# Operation Guide WX1000 DAQWORX Installation & Operation Guide

vigilantplant<sup>®</sup>



IM WX1000-01E 8th Edition

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### Foreword

Thank you for purchasing DAQWORX. This guide covers the following topics.

- Installing and uninstalling DAQWORX.
- Examples of how to use DAQLOGGER to easily acquire data from Yokogawa Green series temperature controllers, the WT1600, and the MX100.

To ensure correct use, please read this manual thoroughly before beginning operation. After reading the manual, keep it in a convenient location for quick reference in the event a question arises. See the user's manuals for the individual DAQWORX software components for the functions and operating procedures of those products. After reading this manual, keep it in a convenient location for quick reference in the event a question arises.

### Note

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### Revisions

- 1st Edition 2003 July
- 2nd Edition 2003 December
- 3rd Edition 2004 September
- 4th Edition 2005 February
- 5th Edition 2006 March
- 6th Edition 2006 July
- 7th Edition 2007 June
- 8th Edition 2008 March

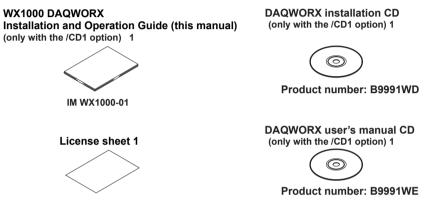
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Unpack the box and check the contents before operating the instrument. If some items are missing or otherwise inconsistent with the contents description, please contact your dealer or nearest Yokogawa representative.

### **Package Contents**

The DAQWORX installation CD and user's manual CD are only included if the /CD option was specified at the time of purchase.



### Storing the CDs

Please store your original CDs carefully. Install the products on your hard disk, and run the products from your hard disk during actual use.

# **CD Handling Guidelines**

Make sure to take the following precautions.

### CAUTION

- · Do not store the product near large amounts of refuse or dust.
- Do not touch the surface of the CD with no printed characters.
   Dirt or sweat from fingertips can damage the CD. Do not write anything on the CD.
- Pencil lead or residue from erasers can damage the CD.
- Do not bend or scratch the CD.
  - Doing so can cause it to become unreadable.
- Never place anything on top of the CD.
   Doing so can cause deformities that can render the CD useless.
- Do not drop the CD from high locations as doing so can cause damage or deformities.
- Do not place the CD in direct sunlight or near heat sources.
- Never allow solvents such as alcohol, benzene, or Freon to come into contact with the CD.
- Take care when placing the CD into the CD-ROM drive.
- While the CD is being accessed, do not remove the CD from the CD-ROM drive, cut the power to the PC, or reset the computer.
- Store the CD in its original jewel case.
   Do not leave the CD in the CD-ROM drive after use. It can become deformed or damaged unless it is kept in its case.

# **Overview of DAQWORX Installation**

The DAQWORX installer lets you do the following:

- Install the software
- · Add or delete software
- · Modify or repair a previous software installation
- Install software upgrades

It is recommended that you uninstall any previously installed DAQWORX components before reinstalling. During installation, only the applications that you specify are installed in the DAQWORX folder.

The DAQWORX folder can be installed in any location, but changing the structure of the DAQWORX subdirectories may cause problems when adding, upgrading, or deleting components.

When using Windows Vista, the software will not function normally if installed in a subfolder of the Program Files folder. Also, when using Windows XP or Windows 2000, please do not upgrade to Windows Vista if the DAQWORX software is installed in a subfolder of the Program Files folder.

Your license numbers are recorded on the license sheet. Refer the numbers you purchased when adding or changing software. Please keep your license numbers in a safe place.

### Note-

Following message is shown when installer used in previous installation doesn't support OS language.

"The language between OS and installer is different. If you continue installation, language used in software is not changed. If you want to adapt these language, please uninstall software and install this software again."

In order to adapt language of software to OS, please uninstall any previously installed DAQWORX components and install again, otherwise language of software is not changed.

# Installing the Software

One or more license numbers is required during installation. Please have your license numbers ready before beginning. Your license numbers are recorded on the license sheet.

1. Place the DAQWORX installation CD in the CD-ROM drive.

The installer starts. However it will not start if your CD-ROM'S Autoplay function is turned OFF. In that case, double-click the CD-ROM icon under My Computer, then double-click the Setup.exe program.

| DAQWORX Setup |                                                                                              | × |
|---------------|----------------------------------------------------------------------------------------------|---|
|               | Welcome to the InstallShield Wizard for<br>DAQWORX                                           |   |
|               | The InstallShield® Wizard will install DAQWORX on your<br>computer. To continue, click Next. |   |
|               | < Back Next > Cancel                                                                         |   |

2. Click Next.

The License Agreement dialog box is displayed.

| QWORX Setup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>icense Agreement</b><br>Please read the following license agreement ca                                                                                                                                                                                                                                                                                                                                                                                                                             | arefully.                                                                                                                                                                                                                                                                                                                                 |  |
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| C I accept the terms of the license agreemen                                                                                                                                                                                                                                                                                                                                                                                                                                                          | t                                                                                                                                                                                                                                                                                                                                         |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                           |  |
| I do not accept the terms of the license agr                                                                                                                                                                                                                                                                                                                                                                                                                                                          | reement                                                                                                                                                                                                                                                                                                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | reement                                                                                                                                                                                                                                                                                                                                   |  |

- After reading the entire contents of the license agreement, click I accept the terms of the license agreement or I do not accept the terms of the license agreement.
- If You Click "I do not accept the terms of the license agreement"
  - 4. Click Cancel to end the installation. You may not install the software.

### If You Click "I accept the terms of the license agreement"

4. Click Next.

The user information dialog box is displayed.

| DAQWORX Setup                                                          | ×      |
|------------------------------------------------------------------------|--------|
| Customer Information<br>Please enter your information.                 | X      |
| Please enter your name and the name of the company for which you work. |        |
| User Name:                                                             |        |
| I                                                                      |        |
| Company Name:                                                          |        |
|                                                                        |        |
|                                                                        |        |
|                                                                        |        |
| InstallShield                                                          |        |
| < Back Next>                                                           | Cancel |

5. Enter the user name and company name.

#### Note

The user name and company name entered here can be confirmed along with the version information when choosing **Help > About** in any DAQWORX software application.

6. Click Next.

The Choose Destination Location window is displayed.

| DAQWORX 9       | ietup                                                        |        |        | ×      |
|-----------------|--------------------------------------------------------------|--------|--------|--------|
|                 | Pestination Location<br>Ider where setup will install files. |        |        | X      |
|                 | Install DAQWORX to:<br>C:\DAQWORX                            |        |        | Change |
| InstallShield - |                                                              | < Back | Next > | Cancel |

- 7. Confirm that you accept the default installation destination. To change the installation destination, click Browse and select a new destination using the browser. When using Windows Vista, please do not install the software in a subfolder of the Program Files folder. If installed within the Program Files folder, the software will not function normally.
- 8. Click Next.

The Base software installation screen is displayed.

| DAQWORX Setup                                                                                   | ×      |
|-------------------------------------------------------------------------------------------------|--------|
| "Base software" installation.<br>Please input the license number of "Base software" to install. | No.    |
| DAQLOGGER                                                                                       | · -    |
|                                                                                                 | · [    |
| DataBrowser                                                                                     |        |
| InstallShieldExecuteKBackNext                                                                   | Cancel |

- 9. Enter the license numbers for the applications you wish to install.
- 10. Click Next.

The Add software installation screen is displayed.

| DAQWORX Setup                                                                                 | ×      |
|-----------------------------------------------------------------------------------------------|--------|
| "Add software" installation.<br>Please input the license number of "Add software" to install. |        |
| AddDbserver                                                                                   | · [    |
| AddTrigger DAQLOGGER Client                                                                   | · []   |
| DAQ32Plus Client AddObserver Runtime                                                          | · []   |
| InstallShield                                                                                 | Cancel |

**11.** Enter the license numbers for the applications you wish to install. If you are not installing any Add software, leave the boxes blank and continue on to the next step.

### 12. Click Next.

The license number entry screen for Gate software is displayed.

| DAQWORX Setup                                                                        | ×        |
|--------------------------------------------------------------------------------------|----------|
| "Gate software" installation.<br>Please input the license number of "Gate software". | 24       |
| Gate Gate Gate Gate Gate Gate Gate Gate                                              |          |
|                                                                                      |          |
|                                                                                      |          |
|                                                                                      |          |
|                                                                                      |          |
|                                                                                      |          |
| InstallShield                                                                        |          |
| < Back Next                                                                          | > Cancel |

- **13.** Enter license numbers for only the number of applications you wish to use. If you are not installing any Gate software, leave the boxes blank and continue on to the next step.
- 14. Click Next.

The Gate software selection screen is displayed. If no license numbers were entered in step 13, this screen is not displayed.

| DAQWORX Setup                                                                  | ×                            |
|--------------------------------------------------------------------------------|------------------------------|
| "Gate software" installation.<br>Please choose the "Gate software" to install. |                              |
| Gate<br>GateOPC                                                                | GateMODBUS                   |
| Gate GateWT                                                                    | Gate                         |
| Gate<br>GateEye                                                                | GateMX/MW                    |
| InstallShield                                                                  |                              |
| Instanomeru -                                                                  | <back next=""> Cancel</back> |
| DAQWORX Setup                                                                  | ×                            |
| "Gate software" installation.<br>Please choose the "Gate software" to install. |                              |
| Gate GateCONTROL                                                               | Gate mR                      |

15. Select the check boxes of the Gate software applications you wish to install.

### 16. Click Next.

The installation confirmation screen appears.

| DAQWORX Setup                                                                                                                    |               | ×        |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|----------|
| Installation start.                                                                                                              |               | No.      |
| The following software will be installed.The but<br>you need change is clicked.When the present<br>"Next" button is clicked.     |               |          |
| Current Settings:                                                                                                                |               |          |
| The following software Will be installed.<br>"Base software" installation.:<br>DAQLOGGER<br>DAQ32Plus<br>MXLOGGER<br>DAQEXPLORER |               | <u> </u> |
| "Add software" installation.:<br>Add0bserver<br>AddMulti                                                                         |               | <b>-</b> |
| T                                                                                                                                |               | Þ        |
| InstallShield                                                                                                                    |               |          |
|                                                                                                                                  | < Back Next > | Cancel   |

### 17. Click Next.

The installation begins.

When installation is complete, the Finish dialog box appears.

| DAQWORX Setup |                                                                                                                                   |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------|
|               | InstallShield Wizard Complete<br>The InstallShield Wizard has successfully installed<br>DAQWORX. Click Finish to exit the wizard. |
|               | < Back Finish Cancel                                                                                                              |

### 18. Click Finish.

The dialog box closes.

# Upgrading the Software

To upgrade the software, you must have a separate license number for the upgrade version as well as the license number for the older version.

1. Carry out steps 1 to 7 in "Installing the Software" (page 11–13).

If an earlier version of DAQWORX is installed, the windows below is displayed.

If an earlier version of the software is not installed, continue on to step 3.

| DAQWORX Setup                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| "Base software" installation.<br>Please input the license number of "E | Base software'' to install.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                    |
| DAQLOGGER<br>1000 - 0000 - 00000                                       | ✓ Delete     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓     ✓                     |                                    |
| MXLOGGER<br>1000000<br>1111 • 11111 • 11111                            | Delete     DAQ     DAQ | DAQEXPLORER<br>1444 - 4444 - 44444 |
| DataBrowser                                                            | Delete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                    |
| InstallShield                                                          | Execute                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <back next=""></back>              |

2. Click Next.

Any free upgrades that are available will be automatically installed.

3. Enter the upgrade license number.

| DAQWORX Setup                                                                                   | ×          |
|-------------------------------------------------------------------------------------------------|------------|
| "Base software" installation.<br>Please input the license number of "Base software" to install. |            |
| DAQLOGGER                                                                                       | · [ · [    |
| MXLOGGER<br>LOGGER<br>· · · · · · · · · · · · · · · · · · ·                                     | · ·        |
| DataBrowser                                                                                     |            |
| InstallShield Execute CBack Ne                                                                  | xt> Cancel |

### 4. Click Next.

### When a License Number for a Previous Version Exists

The license number entry screen for Add software is displayed. Go to step 5.

### When a License Number for a Previous Version Does Not Exist

A screen such as the one below is displayed.

| DAQWORX Setup                                                                                       | ×                 |
|-----------------------------------------------------------------------------------------------------|-------------------|
| "Base software" installation.<br>Please input the old license number of "Base software" to install. |                   |
| DAQLOGGER<br>LOGGEH<br>                                                                             | ·                 |
|                                                                                                     |                   |
| Data DataBrowser                                                                                    |                   |
| InstallShield                                                                                       |                   |
| <u>Execute</u> < <u>B</u> ack <u>N</u> ex                                                           | t> <u>C</u> ancel |

5. Enter the old license number.

If the old license number is a 3-numeric block combination, enter the old license number in the box leaving the second block blank.

6. Click Next.

The Add software installation screen is displayed.

| DAQWORX Setup                                                                                 | ×      |
|-----------------------------------------------------------------------------------------------|--------|
| "Add software" installation.<br>Please input the license number of "Add software" to install. |        |
| AddDbserver                                                                                   | -      |
| AddTrigger                                                                                    | •      |
| DAQ32Plus Client                                                                              | •      |
| InstallShield                                                                                 | Cancel |

7. Enter the upgrade license number.

### 8. Click Next.

### When a License Number for a Previous Version Exists

The installation screen for Gate software is displayed.

Go to step 10.

### When a License Number for a Previous Version Does Not Exist

A screen such as the one below is displayed.

| DAQWORX Setup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ×                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| "Add software" installation.<br>Please input the old license number of "Add software" to install.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No.               |
| AddDbserver                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ·                 |
| AddTrigger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |
| DAQ32Plus Client  Clie |                   |
| Execute Sack New                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <⊳ <u>C</u> ancel |

9. Enter the old license number.

If the old license number is a 3-numeric block combination, enter the old license number in the box leaving the second block blank.

10. Click Next.

The installation screen for Gate software is displayed.

| DAQWORX Setup                                                                        | ×      |
|--------------------------------------------------------------------------------------|--------|
| "Gate software" installation.<br>Please input the license number of "Gate software". |        |
| Gate Gate Gate Gate Gate Gate Gate Gate                                              |        |
|                                                                                      |        |
|                                                                                      |        |
|                                                                                      |        |
|                                                                                      |        |
|                                                                                      |        |
| InstallShield                                                                        | ·      |
| < Back Next                                                                          | Cancel |

11. Perform steps 16 through 18 under "Installing the Software" on pages 15.

# Modifying, Repairing, or Deleting Software

To modify, repair, or delete software, enter maintenance mode

by performing the following procedure.

- Rerun the DAQWORX installation CD.
- Select Change or Delete under Add/Remove Programs.
  - **1.** The program enters maintenance mode.

The Welcome dialog box opens.

| DAQWORX Setu                    | p X                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Welcome</b><br>Modify, repai | r, or remove the program.                                                                                          |
|                                 | the DAQWORX Setup Maintenance program. This program lets you modify the<br>lation. Click one of the options below. |
| Modify                          | Select new program components to add or select currently installed<br>components to remove.                        |
| C Repair                        | Reinstall all program components installed by the previous setup.                                                  |
| C Remove                        | Remove all installed components.                                                                                   |
| movano mora                     | < Back Next > Cancel                                                                                               |

- 2. Select Modify, Repair, or Delete.
  - Modify: Select when adding software that was not purchased originally, deleting individual software applications that you no longer need, or performing a free/fee-based upgrade.
  - Repair: Select to use a program on the CD to overwrite executable files CD that may have become corrupt or deleted from the hard disk accidentally after installation.
  - Delete: Select to uninstall DAQWORX.

3. Click Next.

The Base software dialog box opens.

#### Note-

The license numbers of the installed applications are displayed.

| AQWORX Setup                                                        |                      |                                                      |                        |
|---------------------------------------------------------------------|----------------------|------------------------------------------------------|------------------------|
| "Base software" installation.<br>Please input the license number of | "Base software" to i | nstall.                                              | 22                     |
| DAQLOGGER                                                           | Delete               | DAQ32Plus<br>32Plus<br>222 · 2222 · 2                | Delete                 |
| MXLOGGER<br>10000000<br>1111 • 11111 • 1111                         | Delete               | DAQEXPLORER<br>444 - 4444 -                          | ✓ Delete 44444 - 44444 |
| Data DataBrowser                                                    | Delete               |                                                      |                        |
| stallShield                                                         | Exec                 | ute <back next<="" td=""><td>&gt; Cancel</td></back> | > Cancel               |

**4.** Enter the license numbers of applications to be added or upgraded, and select the check boxes of any applications that you wish to delete.

Delete: Uninstall applications that have been previously installed.

5. Click Next.

When Entering Upgrade License Numbers

· When a License Number for a Previous Version Exists

The license number entry dialog box for Add software is displayed. Go to step 8.

When a License Number for a Previous Version Does Not Exist
 A screen such as the one below is displayed

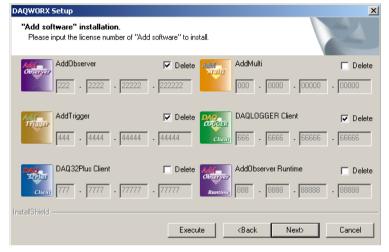
| 13010011 | 50011 05 | uic | one | 001010 | 10 | uispiayea. |  |
|----------|----------|-----|-----|--------|----|------------|--|
|          | atun     |     |     |        |    |            |  |

| DAQWORX Secup                                                                   |                                      |
|---------------------------------------------------------------------------------|--------------------------------------|
| "Base software" installation.<br>Please input the old license number of "Base s | oftware" to install.                 |
|                                                                                 | DAQ32Plus                            |
|                                                                                 |                                      |
| DataBrowser                                                                     |                                      |
| InstallShield                                                                   |                                      |
|                                                                                 | Execute <back next=""> Cancel</back> |

\_\_\_\_

- 6. Enter the old license number.
- 7. Click Next.

The license number entry dialog box for Add software is displayed.



### Note

The license numbers of the installed applications are displayed.

**8.** Enter the license numbers of applications to be added or upgraded, and select the check boxes of any applications that you wish to delete.

When Entering Upgrade License Numbers

When a License Number for a Previous Version Exists

The license number entry dialog box for Gate software is displayed. Go to step 11.

### When a License Number for a Previous Version Does Not Exist

A screen such as the one below is displayed.

| DAQWORX Setup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ×      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| "Add software" installation.<br>Please input the old license number of "Add software" to install.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |
| AddDuserver                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ·      |
| AddTrigger  AddTri | ·      |
| DAQ32Plus Client  Clican  AddDbserver Runtime  Clican  .  .  .  .  .  .  .  .  .  .  .  .  .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ·      |
| Instalionielo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cancel |

9. Enter the old license number.

### 10. Click Next.

The license number entry dialog box for Gate software is displayed.

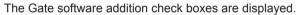
| DAQWORX Setup                                                                        | ×        |
|--------------------------------------------------------------------------------------|----------|
| "Gate software" installation.<br>Please input the license number of "Gate software". |          |
| Gate Gate Gate Gate Gate Gate                                                        |          |
| Delete 999 - 99999 - 999999 - 999999                                                 |          |
| 🗖 Delete                                                                             |          |
| 🗖 Delete                                                                             |          |
| Delete                                                                               |          |
| Delete                                                                               |          |
| InstallShield                                                                        |          |
| < Back Next                                                                          | > Cancel |

**11.** If you have new license numbers to add, enter them in the boxes. If you wish to delete licenses, select the appropriate Delete check boxes.

### Note

The license numbers of the installed applications are displayed and can be edited.

### 12. Click Next.



| DAQWORX Setup                                                                         | ×                            |
|---------------------------------------------------------------------------------------|------------------------------|
| "Gate software" installation.<br>Please choose the "Gate software" to install.        | A                            |
| GateOPC                                                                               | Gate<br>GateMODBUS           |
| Gate<br>GateWT                                                                        | Gate<br>GateDXP              |
| Gate<br>GateEye                                                                       | GateMX/MW                    |
| InstallShield                                                                         |                              |
| แนสของเอโต                                                                            | <back next=""> Cancel</back> |
| DAQWORX Setup                                                                         | X                            |
| <b>"Gate software" installation.</b><br>Please choose the "Gate software" to install. | 124                          |
| Gate                                                                                  | Gate mR                      |

- 13. Select the Gate software applications you wish to add.
- 14. Perform steps 13 through 18 under "Installing the Software" on page 14 and 15.

# Viewing the User's Manual

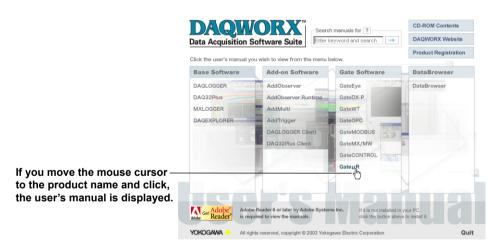
### List of User's Manuals

The DAQWORX user's manual CD contains the following manuals in PDF format. Please read the appropriate manuals for the applications you plan to use.

| Base Software       | Add-on software            | Gate Software    |
|---------------------|----------------------------|------------------|
| DAQLOGGER           | AddObserver                | GateEye          |
| DAQ32Plus           | AddMulti                   | GateWT           |
| MXLOGGER            | AddTrigger                 | GateDX-P         |
| DAQEXPLORER         | DAQLOGGER Client           | GateOPC          |
|                     | DAQ32Plus Client           | GateMODBUS       |
|                     | AddObserver Runtime        | GateMX/MW        |
|                     |                            | GateCONTROL      |
|                     |                            | Gate µR          |
| DataBrowser (file s | earching and waveform comp | arison software) |

### **Opening a User's Manual**

 Insert the DAQWORX User's Manual CD into the CD-ROM drive. If using Windows 2000 or Windows XP, the user's manual selection screen opens. However, if the auto-play feature of the CD-ROM drive is turned OFF, the user's manual selection screen will not open automatically. In this case, double-click the CD-ROM icon under My Computer.



When using Windows Vista, the following screen appears. Click **Run startup.exe.** The user's manual selection screen opens.

| AutoPlay                                            |
|-----------------------------------------------------|
| DVD Drive (H:)<br>DAQWORX                           |
| Always do this for software and games:              |
| Install or run program                              |
| Published by InstallShield Software Corpora         |
| General options                                     |
| Open folder to view files<br>using Windows Explorer |
| Set AutoPlay defaults in Control Panel              |

**2.** Double-click the name of the manual you wish to use. The selected user's manual is displayed.

### Note \_\_\_\_\_

| To display a user's manual, Adobe Acre     | obat Reader 6.0 or later must be installed on your |
|--------------------------------------------|----------------------------------------------------|
| PC. If Acrobat is not installed, click the | Adobe Reader button to install it.                 |

3. Click OK.

The dialog box closes.

# **Overview of DAQWORX**

DAQWORX allows users to assemble a data acquisition system using Yokogawa recorders, data loggers, the temperature controllers, measuring instruments without the need for programming. For adding functionality, DAQWORX offers an integrated data acquisition software system, allowing customers to connect high added-value software to their existing data acquisition systems to easily expand the range of supported applications.

DAQWORX consists of three software component groups plus the DataBrowser software program. Users can construct data acquisitions systems that are ideal for their specific application by combining various software packages from the lineup of each of the components.

### 1. Data Acquisition Component Group: Base Software

The "Base" software components require neither technical expertise nor programming, enabling easy setup of various kinds of data acquisition hardware, a rapid system setup time, and easy settings for analysis of data.

### 2. High Added-Value Component Group: Add-on Software

"Add" components can be added to Base components to construct a high added-value data acquisition system. Add software includes applications for customized and network-based remote monitoring, data acquisition and saving by group, and monitoring of measured data for triggered data acquisition.

### 3. Interface Component Group: Gate Software

"Gate" applications let you easily connect not only to data loggers, but also power measuring instruments, industrial instrumentation, data via OPC servers, and images from network cameras-all without programming.

### 4. DataBrowser Software

DataBrowser performs searches of data files saved by data acquisition units such as DAQSTATION and data acquisition software programs such as DAQLOGGER, DAQEXPLORER, and MXLOGGER, allowing you to display and compare any found waveforms on a single screen.

The next section describes how common components from each group are typically connected.

### **Introduction to Functions**

The following sections provide a brief explanation of how GateMODBUS can be used to acquire data from the UT351 temperature controller on DAQLOGGER, how GateWT can be used to acquire measured data from Yokogawa's WT1600 on DAQLOGGER, how GateMX/MW can be used to acquire measured data from Yokogawa's MX100 Data Acquisition Unit, how measured data from Yokogawa recorders can be acquired on DAQLOGGER, and how AddMulti software can be used to acquire and save data on DAQLOGGER on a group-by-group basis.

### DAQLOGGER

DAQLOGGER acquires measured or calculated data from recorders connected to other recorders or PCs. Also, Gate software\* (GateWT, GateMODBUS, GateMX/ MW etc.) can be connected allowing data acquisition from measuring instruments including digital power meters (such as the WT1600), Modbus devices (such as Yokogawa's UT351/UT551 temperature controllers), and data acquisition units (such as the MX100).

\* The devices that can be connected differ depending on the Gate software installed.

### AddMulti

AddMulti is a software program that allows you to connect data acquisition software such as DAQLOGGER and simultaneously perform acquisitions under different logging conditions. This function is called multilogging. For example, data acquired from the WT1600 Digital Power Meter, data from a Modbus device (the UT351 temperature controller), and data from recorders can be divided into several groups on DAQLOGGER, then each group can be logged and saved to a designated folder at a specified timing. You can also mix data from the WT1600, Modbus device (UT351), and recorders in a single group.

### GateWT

GateWT is a software program that acquires data from WT series instruments and transfers it to DAQLOGGER.

### GateCONTROL

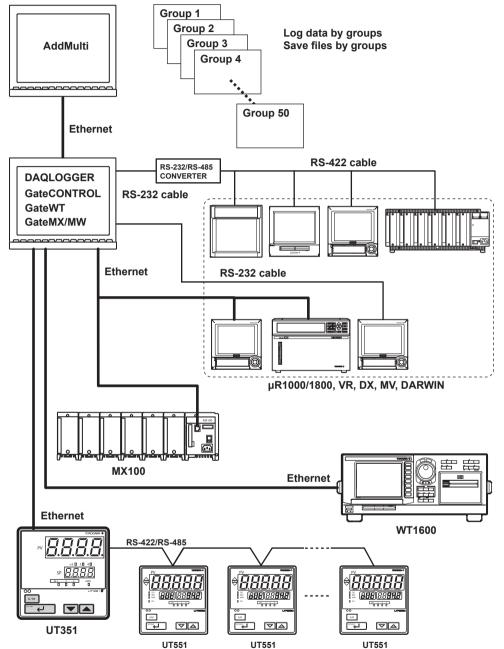
GateCONTROL is a software program that acquires data from temperature controllers and signal converters that support data output via the Modbus/RTU and Modbus/TCP protocols, and transfers the data to DAQLOGGER.

### GateMX/MW

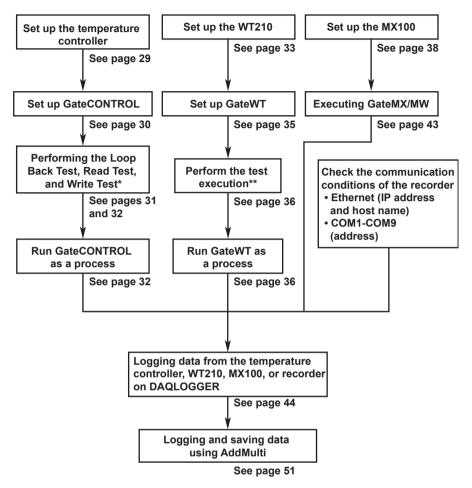
GateMX/MW is a software program that monitors measured data from MX100 data acquisition units and transfers it to DAQLOGGER or remote monitors.

# Flow Chart of Connections and Operation

The following is an example configuration for DAQWORX.



The flow of procedures described in this operation guide is shown below. This flow assumes that all connections have been made.



### \* GateCONTROL Loop Back Test, Read Test, and Write Test

GateCONTROL allows you to perform loop back tests on any temperature controllers connected to it.

If the loop back test results in anything other than OK, it may indicate a problem in the wiring of the communication cable, or a mismatched baud rate, parity, or Modbus address.

Also, by performing a test acquisition you can determine whether the data set for each tag is correct.

### \*\* GateWT Test Execution

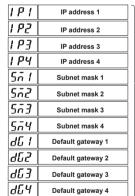
During GateWT's test acquisition, data is read from WT output channels assigned to each tag and displayed as digital values. This allows you to determine whether the communication settings for each tag are correct.

# **Setting Up the Temperature Controller**

VOROGAWA + PV SSESSO ==2 3 3 4 SP SSESSO ==2 3 4 SP SSESSO ==2 3 4 SP SSESSO ==2 3 SP SSESSO ==2 3 SP SSESSO ==2 3 SSESSO SSSESSO SSESSO SSESSO SSES

Connect the Yokogawa's UT351 temperature controller. Enter settings on the UT350E as follows:

- 1. Hold down SET/ENT for three seconds or more to display **a**P.P.R.
- 2. Use ▲ or ▼ to display 5LUP.
- 3. Press SET/ENT once to display Pud.
- 4. Press SET/ENT once to display FUnE.
- 5 Press SET/ENT repeatedly (about twenty times) to display *I P I* .
- **6.** Use  $\mathbf{A}$  or  $\mathbf{\nabla}$  to enter the IP address.
- 7. Press SET/ENT to save the settings.
- Repeat steps 6 and 7 to enter IP addresses 2–4, subnet masks 1–4, and default gateways 1–4.



| Setting the IP  | address, Subnet mask, and Default gateway |
|-----------------|-------------------------------------------|
|                 | 0 to 255 0 to 255 0 to 255 0 to 255       |
| IP address      | IP1 IP2 IP3 IP4                           |
| Subnet mask     | SM1 SM2 SM3 SM4                           |
| Default gateway | DG1 DG2 DG3 DG4                           |

- **9.** Press **SET/ENT** to display  $E S_{-}^{U}$  (Ethernet setting switch).
- **10.** Use ▲ or ▼ to enter 1.

After setting  $E S_{-}^{U}$  to **1**, it automatically reverts to **0**.

11. Hold down SET/ENT for three seconds or more for numerical display.

# Setting Up GateCONTROL

### Setting Up GateCONTROL

1. Enter the communication method and address settings as follows:

Communication method : Ether Host name : IP add Modbus address : Unkno

IP address set on the temperature controller Unknown

| Gate    | Control             |                       |                |        |         |              |                |               | _ 🗆 🗡    |
|---------|---------------------|-----------------------|----------------|--------|---------|--------------|----------------|---------------|----------|
| File Co | mmunication Monitor | View Help             |                |        |         |              |                |               |          |
|         | u i 🗈 🔳 i 🤋         |                       |                |        |         |              |                |               |          |
| Model   | Serial Setting      | Scan Interval Setting | Monitor/Status |        |         |              |                |               |          |
| NI-     | Model               | Controller Mode       | Control        | Dutput | Outline | Taulata      | Comm.          | Address       | Status 🛆 |
| No.     | Model               | Controller Mode       | Loop 1         | Loop 2 | Option  | Tag Info.    | Comm.          | Address       | Status   |
| 01      |                     | Single 🔽              | Normal 🗾       |        |         | Detail Info. | Ether 🝸        | localhost,01  |          |
| 02      | Not Connected       |                       |                |        |         |              | Ether COM1     |               |          |
| 03      | Not Connected       |                       |                |        |         |              | COM2           |               |          |
|         | Not Connected       |                       |                |        |         |              | COM3 -<br>COM4 | ]             |          |
| 05      | Not Connected       |                       |                |        |         |              | COM5           |               |          |
|         |                     |                       |                |        |         |              |                |               |          |
|         |                     | 1                     |                |        | Clic    | k and se     | lect Et        | hernet        |          |
|         |                     | Ļ                     |                |        |         | the me       |                |               |          |
|         |                     | ,                     |                |        | non     | i the me     | nu             |               |          |
|         | Input Ac            | ddress - Model01      |                | ×      |         | (            | Click to       | o display the | ) Input  |
|         |                     |                       |                | _      |         |              |                | s dialog bo   |          |
|         | Ethe                |                       |                |        |         | -            |                | e alareg zer  |          |
|         | IP                  | Address or Host Name  |                |        |         |              |                |               |          |
|         | Ic                  | ocalhost              |                | -      | - Entor | the ID a     | ddroed         | s set on the  |          |
|         |                     |                       |                |        |         |              |                |               |          |
|         | Po                  | nt No. 502            |                |        | temp    | erature      | contro         | lier          |          |
|         |                     |                       |                |        |         |              |                |               |          |
|         | Mode                | bus                   |                |        |         |              |                |               |          |
|         | Mo                  | dbus Address 01       | -              |        |         |              |                |               |          |
|         |                     | ,                     |                |        |         |              |                |               |          |
|         |                     |                       |                | 1      |         |              |                |               |          |
|         |                     | ок                    | Cancel         |        |         |              |                |               |          |
|         |                     |                       |                |        |         |              |                |               |          |

Click to display the Input Address dialog box

Enter the IP address set on the temperature controller

**2.** Enter settings in the Acquisition Settings tab. Enter the scan interval from the UT351, the timeout time, and number of retries.

| 🙀 GateControl              |                       |
|----------------------------|-----------------------|
| File Communication Monitor | View Help             |
| 🔲 🛒 🖬 🗏 🤶                  |                       |
| Model Serial Setting       | Scan Interval Setting |
|                            |                       |
| Scan Interval              | 5000 msec             |
| Access timeout             | 1000 msec             |
| Number of retry            | ▼ times               |

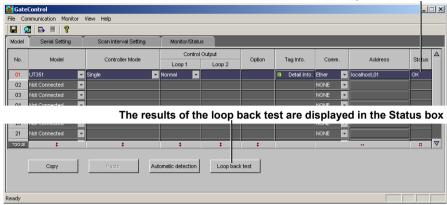
- **3.** Select number 01 in the Model Settings page.
- 4. Click the automatic model determination button.

The UT351's control mode, control output, and option functions are displayed.

### Performing the Loop Back Test

5. Click the Loop Back Test button in the Model Settings page.

The results of the loop back test are displayed in the Status box.



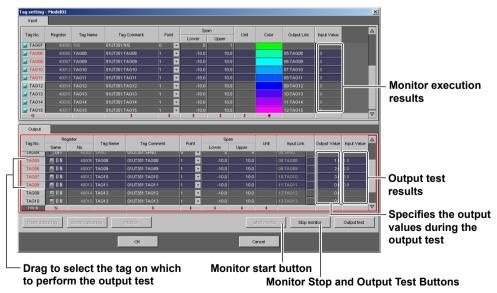
### Performing a Read Test

Click the Detail Settings button in the Model Settings tab page of the model 6. on which you wish to perform the read test.

The Tag Setting dialog box opens.

| 🙀 Gate  | Control             |                       |               |        |        |     |              |       |   |              |        |
|---------|---------------------|-----------------------|---------------|--------|--------|-----|--------------|-------|---|--------------|--------|
| File Co | mmunication Monitor | View Help             |               |        |        |     |              |       |   |              |        |
|         | 2 🖬 🗏 🤋             |                       |               |        |        |     |              |       |   |              |        |
| Model   | Serial Setting      | Scan Interval Setting | Monitor/Statu | IS     |        |     |              |       |   |              |        |
| No.     | Model               | Controller Mode       | Control       | Output | Option | т   | aq Info.     | Comm. |   | Address      | Status |
| NO.     | moder               | Controller Mode       | Loop 1        | Loop 2 | option | · · | ag into.     | Comm. |   | Address      | Status |
| 01      | UT351 🗾             | Single 🗾              | Normal 🗾      |        |        |     | Detail Info. | Ether | • | localhost,01 | ок     |
| 02      | Not Connected 📃 💌   |                       |               |        |        |     |              | NONE  | Ŧ |              |        |
|         |                     |                       |               |        |        |     |              |       |   |              |        |

### Click to display the Tag Settings dialog box



### Loop back test result

7. Click the Start monitor button.

The value of each tag from the instrument is loaded, and displayed in the loaded value column of the input tab sheet.

To quit monitor execution, proceed to step 11.

### Performing a Write Test

- **8.** Specify the Output Values of the tags on which you wish to perform the output test in the output tab page.
- 9. Select the tags on which to perform the output test
- 10. Click the Output Test button during the Read Test.

The output values are written to registers, then the values are acquired from the write registers and the loaded results are displayed in the loaded value column in the output tab page.

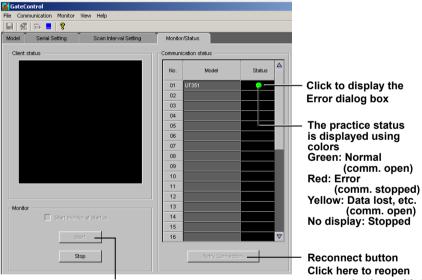
### Stopping the Read Test

**11.** Click the Stop monitor button.

The Monitor Test/Read Test is concluded.

### Launching GateCONTROL

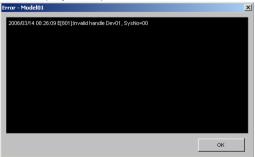
**12.** Click the Start button in the Acquisition/Status tab.



Start button

Reconnect button Click here to reopen communications with the selected instruments

#### Error display example



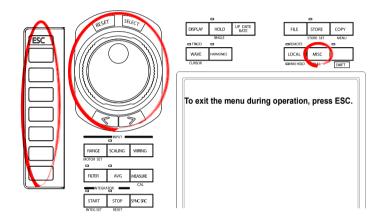
# Setting Up the WT1600

### Setting Up the Ethernet Interface (TCP/IP)

With DHCP, the IP address, subnet mask, default gateway, and DNS are automatically configured.

### Note-

- The IP address, subnet mask, default gateway, and DNS can be automatically specified by using DHCP.
- To use DHCP, the network must have a DHCP server.
- Consult your network administrator to see if DHCP can be used.
- If you use DHCP, a different IP address may be assigned every time the WT1600 is powered up. You must be careful when using the FTP server function of the WT1600.

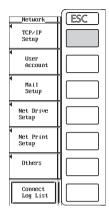


- 1. Press MISC to display the Misc menu.
- 2. Press the Next 1/2 soft key to display the Next 2/2 menu.
- 3. Press the Network soft key to display the Network menu.

| Misc                   | ESC |
|------------------------|-----|
| ◀<br>Information       |     |
| Initialize<br>Settings |     |
| €<br>Communication     |     |
| ¶<br>Date∕Tíme         |     |
| Conf ig                |     |
| Selftest               |     |
| Next 1/2               |     |

| Misc                     | ESC |
|--------------------------|-----|
| Graph Color              |     |
| Text Color               |     |
| SCSI<br>Setting          |     |
| ◀<br>Network             |     |
| ●<br>D∕A Output<br>Items |     |
|                          |     |
| Next<br>2/2              |     |

4. Press the TCP/IP Setup soft key to display the TCP/IP Setup dialog box.



- 5. Turn the jog shuttle to select DHCP.
- 6. Press SELECT to select ON.
- 7. Turn the jog shuttle to select DNS.
- 8. Press SELECT to display the DNS selection box.
- 9. Turn the jog shuttle to select OFF.

| TCP/IP Setup |               |
|--------------|---------------|
| DHCP OFF DN  |               |
| IP Address   | 0.0.0.0       |
| Net Mask     | 255.255.255.0 |
| Gate Way     | 0.0.0.0       |
| DNSOFF       |               |
|              |               |
|              |               |
|              |               |
|              |               |
|              |               |
|              |               |

### Note

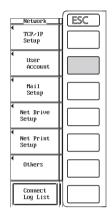
If you changed settings related to the Ethernet network, the WT1600 must be power cycled.

### Setting the User Name and the Password on WT1600

Entering the User Name and Password of the WT1600

Set the user name and password of the WT1600 on GateWT also.

- **1.** The procedure is the same as steps 1 through 3 of "Setting Up the Ethernet Interface (TCP/IP)."
- 2. Press the User Account soft key to display the User Account dialog box.



### Setting the User Name

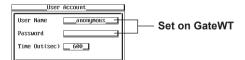
- 3. Turn the jog shuttle to select User Name.
- 4. Press SELECT to display the keyboard.
- 5. Use the keyboard to enter the user name.

When not restricting the access, specify anonymous. If you specify anonymous, you do not have to set the password.

### Setting the Password

(If you set user name to anonymous in step 5, you do not have to set the password.)

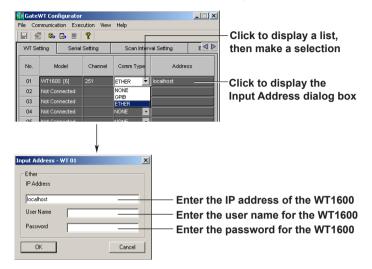
- 6. Turn the jog shuttle to select Password.
- 7. Press SELECT to display the keyboard.
- 8. Use the keyboard to enter the password.



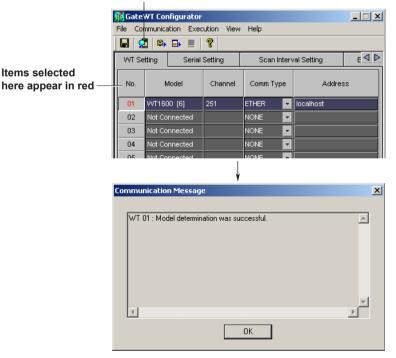
# Setting Up GateWT

 Enter the following settings on the WT Setting tab. Communication type : ETHER

Address : The IP address, user name, and password set on the WT1600.



**2.** Select number 01 (causing the number to turn red) then click the Automatic Model Determination button.



#### Automatic model determination button

3. Enter the following settings on the Scan Interval Setting tab.

Scan interval : 1000 msec Retries : ON Retry interval : 30 sec

| 🞇 Gate  | WT Cor  | nfigur | ator         |      |                |        |      |     |          |         | _ 🗆 🗙 |
|---------|---------|--------|--------------|------|----------------|--------|------|-----|----------|---------|-------|
| File Co | mmunica | ation  | Execute      | View | Help           |        |      |     |          |         |       |
|         | 1 R.    |        | <b>  ?</b>   |      |                |        |      |     |          |         |       |
| VVT Se  | etting  | s      | erial Settin | g    | Scan In        | terval | Sett | ing | Port Set | ting    |       |
| NI-     |         | Mode   | -1           |      |                | >      |      |     | Retry    |         |       |
| No.     |         | Mod    | 81           | SC   | an Interval(ms | ec)    |      | USE | Inte     | erval(s | ec)   |
| 01      | WT210   |        |              |      |                | 1000   |      | ON  | 30       |         |       |
| 02      | Not Cor | nnecte | :d           |      |                | 1000   |      | ON  |          |         | 30    |
| 03      | Not Cor | nnecte | :d           |      |                | 1000   |      | ON  |          |         | 30    |

#### Performing the Test Execution

- **4.** Double-click number 01 on the WT Settings tab to display the Tag Setting dialog box.
- 5. Click the Test Execute button. The test result appears in the Value column.

| 👬 Gate  | WT Cor  | nfigurator |            |          |       |            | _ 🗆 × |
|---------|---------|------------|------------|----------|-------|------------|-------|
| File Co | mmunica | ation Exec | ution View | Help     |       |            |       |
|         | . 8,    | •          | ?          |          |       |            |       |
| WT Se   | tting   | Serial     | Setting    | Scan Ir  | nterv | al Setting | E ◀ Þ |
| No.     | N       | lodel      | Channel    | Comm Typ | e     | Addres     | 15    |
| 01      | VVT160  | 10 [6]     | 251        | ETHER    |       | localhost  |       |
| 02      | Not Co  | nnected    |            | NONE     |       |            |       |
|         |         |            |            |          |       |            | 1     |

Double-click

| Element1 | Element2   | Element3   | Element | 4 Element5 | Element6 | SigmaA | Sigmat      | B SigmaC        | OTHER   | Motor |       |        |
|----------|------------|------------|---------|------------|----------|--------|-------------|-----------------|---------|-------|-------|--------|
| Tag No.  | Out Put Ch | annal Nama | Dec Pos | St         | ban      | Ur     |             | Ten             | Name    |       | Color | Value  |
| Tug No.  | ourrecon   | annonvanio | 000103  | Lower      | Upper    |        |             | rug             | Nume    |       | Color |        |
| TAG01    | E1:URMS    |            | 3       | -10.000    | 10.00    | 00     |             | G01[E1:URMS     | ]       |       |       | 3.167  |
| TAG02    | E1:UMN     |            | 3       | -10.000    | 10.00    | 00     |             | [G02[E1:UMN]    |         |       |       | 2.239  |
| TAGOS    | E1-LIDC    |            | 3 .     | 10.000     | 10.00    | in     |             | 1003(E1-UDC)    |         |       |       | 0 502  |
| 18023    | L1.VVIII   |            | J _     | -10.000    | 10.00    | 0      |             | ozat i i va naj |         |       |       | 1.301  |
| TAG24    | E1:VVHM    |            | 3       | -10.000    | 10.00    | 0      | T           | G24[E1:WHM]     |         |       |       | 3.110  |
| TAG25    | E1:AH      |            | 3 🗖     | -10.000    | 10.00    | 0      | T           | TG25[E1:AH]     |         | :AH]  |       | 2.439  |
| TAG26    | E1:AHP     |            | 3 🗖     | -10.000    | 10.00    | 0      | T           | TG26[E1:AHP]    |         |       |       | 0.355  |
| TAG27    | E1:AHM     |            | 3 🖍     | -10.000    | 10.00    | 0      | TG27[E1:AHM |                 | E1:AHM] |       |       | V.963  |
| 6        |            | ţ.         | 1       | 1          | Ť        | 1      |             |                 | 1       |       | М     |        |
| ок       |            | Cancel     | Test St | art Test   | -        |        |             |                 |         |       |       |        |
| ON       |            | Jancer     | Test St | ant Test   | Stop     |        |             |                 |         |       |       |        |
|          |            |            |         |            |          |        |             |                 |         |       |       |        |
|          |            |            |         | (          | Click to | stop   | ) the       | test e          | xecut   | tion  |       |        |
| 1        |            | 011-1-     | 4 4 -   | rt the tes |          |        |             |                 |         |       |       | n resu |

#### Running as a Process

**6.** After clicking the Test Execute button, click the tag numbers for execution as a process or service to turn them ON (displayed in blue), then click the OK button.

Click the Process execution button or perform the following operation in the Execution/Status tab.
 Execution Type : select Process
 Click the Start button

|                                | Process execution        |                       | en the process is run,<br>cess appears |
|--------------------------------|--------------------------|-----------------------|----------------------------------------|
|                                | 👫 GateWT Configurator    |                       |                                        |
|                                | File Communication Execu |                       |                                        |
|                                |                          | ?                     |                                        |
|                                | Scan Interval Setting    | Execution/Status      |                                        |
|                                | Execution                | Status ———            |                                        |
|                                | Туре ———                 | Execution Status Stop | >                                      |
| Click to select –              | Process                  | Client Host Name      |                                        |
|                                | C Service                |                       |                                        |
| Click to start —               | Start                    |                       |                                        |
|                                | Stop                     |                       |                                        |
| The practice status            |                          | ->                    |                                        |
| is displayed using             |                          |                       |                                        |
| colors                         |                          |                       |                                        |
| Green: Normal<br>Gray: Stopped | Ready                    |                       |                                        |
| Blinking red: Error            |                          |                       |                                        |

# Setting Up the MX100

We assume that the CF card is installed in the MX100.

#### Connecting the MX100 Standard Software and the MX100

**1.** Click the Search button on the Connection screen of the MX100 Standard Software. An icon indicating the MX100 is displayed.

|              | MX100 Standard                         |               |                                                       |
|--------------|----------------------------------------|---------------|-------------------------------------------------------|
|              | File Edit View Acquisition Action Help |               |                                                       |
|              | D 🛎 🖬   X 🖻 🛍 🔍 💡                      |               |                                                       |
|              | 0 00:00:00                             | Morrison Disp | lay -   Channel   Acquisition   System   Connection 👔 |
|              | Connection                             |               |                                                       |
|              | MX MX                                  |               |                                                       |
|              | IP Address, or Host Name               | Connect       | Disconnect                                            |
|              | MX100s nearby                          |               |                                                       |
| Click here — | Search                                 |               | Edit network setup.                                   |
|              |                                        |               |                                                       |
|              |                                        |               |                                                       |
|              |                                        |               | Please choose an MX from the search results.          |
|              |                                        |               |                                                       |
|              |                                        |               |                                                       |
|              |                                        |               |                                                       |
|              |                                        |               | Connect                                               |
|              | <br>Ready                              | 0 🗟           | 2008/02/15 12:52:16                                   |

**2.** Select the MX100 icon and then click the Connect button in the box containing the Edit Network setup button. The Monitor screen opens.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | splay    Channel   Aaqa                                                                               | silion (System <b>) Connectic</b>                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Connection MX P Address, or Host Name Connect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Disconnect                                                                                            |                                                                      |
| Mx100s neety           Search           Image: Signal and | IP Address :<br>Subnet Mask :<br>Default Gateway :<br>Model:<br>Version :<br>Serial No. :<br>Options: | Edit network setup.<br>MK100-No1<br>MK100<br>NS 301<br>SS<br>Connect |
| dy 0 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                                                                                                     | ⇒ 2008/02/15 12 52 40                                                |

#### **Configuring the System**

**3.** Click System. Then, configure and confirm the system on the System screen.

Unit Setup

Response check: Click the Check button and confirm that the MX100' s 7-segment LED displays --CALL--.

Module Arrangement

Click Receive current configuration on the Actual Configuration tab.

#### Compact Flash information

Status: Check that it is Exists(Usable)

| Edit View  |                      | p            |                           | -                              |
|------------|----------------------|--------------|---------------------------|--------------------------------|
| 0 00:00:00 |                      |              | Monitor Display Channel   | Acquisition System Connecti    |
| yster      |                      |              |                           |                                |
| Unit Setu  | up                   |              | Module Arrangement        |                                |
|            | Model                | MX100        | Current Configuration     | Actual Configuration           |
|            | Version              | R 3.01       | Re                        | configure based on actual cont |
|            | Serial No.           | 0.000        |                           | ,                              |
|            | Option               | /DS          | MX1                       | 10-UNV-H04                     |
|            | Temperature Unit     | C 🗢          | MX1*                      | 10-UNV-M10                     |
|            | A/D Integration Time | AUTO 🔻       |                           | 15-D24-H10                     |
|            | Response Check       | Execute      | ■ MX1:                    | 20-PV/M-M08                    |
|            |                      |              |                           | 12-B35-M04                     |
| Network    | Information          |              | 5 MX1:                    | 25-MKC-M10                     |
|            | Machine Name         | MX10D-No1    | Compact Flash Information | Update                         |
|            | IP Address           | 100000000    | Status                    | Exists(Usable)                 |
|            | Subnet Mask          | 201203-020-0 | MAX Size                  | 488 MByte                      |
|            | Default Gateway      | 0130         | Free Area                 | 484 MByte                      |
|            | Port No.             | 303          | Write Mode                |                                |
|            | MAC Address          | 1208 0101010 | Format                    | Cyclic Mode                    |
|            |                      |              | romat                     | Execute                        |
|            |                      | 0            | - T 3                     | 0008/02/15 12:53:4             |
|            |                      |              |                           |                                |

Check the CF card status Click here to reconfigure the system —

#### Setting the Acquisition Conditions

4. Click Acquisition and enter settings as follows:

Start Condition: On Record

Stop Condition: Continuous

Drag and drop the input module icons to appropriate interval groups. Monitor interval of interval groups : 50 msec, 100 msec, and 200 msec Record interval of interval groups : 1

| Start Conditon M<br>On Record<br>Fixed Time 20 | 11                             | Montor Display Channel Acquisition System Connection |
|------------------------------------------------|--------------------------------|------------------------------------------------------|
| On Record Fixed Time 20                        |                                |                                                      |
| On Record     Fixed Time 20                    |                                |                                                      |
| Fixed Time 20                                  | 05/ 1/ 14 18: 06: 20           | Unused Modules                                       |
| 0                                              |                                |                                                      |
| Math Stop Condition Continuous                 |                                | Interval Group 1                                     |
| Fixed Time 20                                  | 05/ 1/ 14 18: 06: 20<br>01: 00 | Monitor Interval 50 msec V BRec. Interval x 1        |
| O Math                                         |                                | Interval Group 2                                     |
| File<br>Folder C:WA                            | (100 Standard/Data             | 🗂 Monitor Interval 100 msec 🔻 🏮 Rec. Interval 🗴 1    |
| C: Fre<br>File Name data                       | e Area 19.5 GByte              | Interval Group 3                                     |
| File Division                                  | dd Date Add Time               | Monitor Interval 200 msec 💌 👩 Rec. Interval x 1      |
| Comment                                        |                                | Monitor Interval 100 msec 🎁 Rec. Interval x 1        |
| /                                              | 0 🗄                            | 🗖 💶 🧭 🧭 💼 2006/03/13 13:19:02                        |

#### Setting the Channels

**5.** Click Channel. Then, select the check boxes for the channels you wish to record on the Meas. Channel tab.

| _  | 00:00:00   | % 🖻 (   |       | Q ?    |            |   |     | Monito | r Disp | lay | Channel | Acquisition Syst | tem Connectio |
|----|------------|---------|-------|--------|------------|---|-----|--------|--------|-----|---------|------------------|---------------|
| С  | hanne      | əl      |       |        |            |   |     |        |        | E   | I 👔 E   |                  |               |
| Me | as. Channe | M       | ath C | hannel |            |   |     |        |        |     | 11      |                  | 1-1           |
|    | Record     | Monitor |       | Mode   | Range      |   | Sp  | an     |        |     |         | Scale            |               |
|    | Record     | WORILOF |       | mode   | rtange     |   | Min | Max    | Use    | Dec | . Point | Min              | Max           |
| -  | [ 00001 ]  | ✓       | DI    | -      | LEVEL(D10) | - | 0   |        | 1      |     | -       |                  |               |
|    | [ 00002 ]  | ✓       | DI    |        | LEVEL(D10) | - | 0   |        | 1      |     | -       |                  |               |
|    | [ 00003 ]  | 1       | DI    |        | LEVEL(D10) | • | 0   |        | 1      |     | -       |                  |               |
|    | [ 00004 ]  | ✓       | DI    |        | LEVEL(D10) | - | 0   |        | 1      |     | -       |                  |               |
| •  | [ 00005 ]  | -       | DI    |        | LEVEL(D10) | - | 0   |        | 1      |     | -       |                  |               |
|    | [ 00006 ]  | 1       | DI    |        | LEVEL(D10) | • | 0   |        | 1      |     | -       |                  |               |
|    | [ 00007 ]  | -       | DI    |        | LEVEL(D10) | - | 0   |        | 1 🗌    |     | -       |                  |               |
|    | [ 80008 ]  | -       | DI    |        | LEVEL(D10) | - | 0   |        | 1      |     | -       |                  |               |
|    | [ 00009 ]  |         | DI    |        | LEVEL(D10) | - | 0   |        | 1      |     | -       |                  |               |
|    | [ 00010 ]  | -       | DI    |        | LEVEL(D10) | - | 0   |        | 1      |     | -       |                  |               |
| •  | [00011]    | ~       | DI    |        | LEVEL(D10) | - | 0   |        | 1 🔲    |     | *       |                  |               |
|    |            |         |       |        | oxes for   |   |     |        |        |     |         | ow the           |               |

- **6.** For the selected channels, set the mode, range, span, scale, difference input, RRJC, unit, tag number, tag comment, filter, burnout, RJC, alarm, etc.
- **7.** Click the Math Channel tab and set the expression, unit, tag number, tag comment, alarm, timer, etc.

| 0 00:00:0   | 0       |           |               |                 |            |       | Monitor D | isplay | Chann       | el Acquisition S | System Connectio |
|-------------|---------|-----------|---------------|-----------------|------------|-------|-----------|--------|-------------|------------------|------------------|
| Chan        |         |           |               |                 |            |       |           | 6      | H           |                  |                  |
| Meas. Cha   | nnel M  | ath Chann | el            |                 |            |       |           |        |             |                  |                  |
| Record      | Monitor |           | Expre         | ssion           |            |       | Span      | ▲      | $\boxtimes$ | Cons             |                  |
|             |         |           |               |                 | Dec.       | Point | Min       |        |             | Label            | Value            |
| [ 990)      |         | ch(0001   | 0)-ch(00001)  |                 | 4          | -     | -100.0000 |        |             |                  | 0.0000           |
| 🖌 [ 990)    | 02]     | ch(0001   | 0)/ch(00002)  |                 | 4          | -     | -100.0000 |        |             |                  | 0.0000           |
| [ 9900      | 03]     |           |               |                 | 4          | -     | -100.0000 |        |             |                  | 0.0000           |
| [ 9900      | 04]     |           |               |                 | 4          | -     | -100.0000 |        |             |                  | 0.0000           |
| [ 9900      | 05]     |           |               |                 | 4          | -     | -100.0000 |        |             |                  | 0.0000           |
| [ 9900      | 06]     |           |               |                 | 4          | -     | -100.0000 |        |             |                  | 0.0000           |
| [ 9900      | 07 ]    |           |               |                 | 4          | -     | -100.0000 |        |             |                  | 0.0000           |
| [ 9900      | 18]     |           |               |                 | 4          | -     | -100.0000 |        |             |                  | 0.0000           |
| 8           | 8       |           |               | 1               |            | 1     | 4<br>#    | ▼      |             |                  | 0.0000           |
| 4           |         |           |               |                 |            | •     |           | Þ      |             | 4                | 1 0000           |
| $\boxtimes$ | Ac      | tion      | Interval[sec] | On-period [sec] | Off-period | [sec] | Δ         |        |             |                  |                  |
| Timer1      | Level   | -1        | 3600          | 0               |            | 0     |           |        |             |                  |                  |
| Timer2      | Edge    | -1        | 3600          | 0               |            | 0     |           |        |             |                  |                  |
| Timer3      | Off     | 1         |               |                 |            | 0     |           |        |             |                  |                  |
| - ·         | ~ //    |           | 1             |                 |            | ~     | V         |        |             |                  |                  |

#### Disconnecting the MX100 Standard Software from the MX100

**8.** Click Connection. Click the Disconnect button on the Connection screen. The connection will be dropped.

| MX100 Standard                        |                               |              |              |                                  |                              |
|---------------------------------------|-------------------------------|--------------|--------------|----------------------------------|------------------------------|
| File Edit View Acquisition Action     |                               |              |              |                                  |                              |
| 🗅 😅 🖶   X 🖻 🖻 🔍                       | ?                             |              |              |                                  |                              |
| 0 00:00:00                            |                               |              | tonitor Disj |                                  |                              |
| Connection                            | The following MX is connected | 4.           |              |                                  |                              |
| MX                                    |                               |              |              |                                  |                              |
| IP Address, or Host Name              | 994 20040                     |              | Connect      | Disconnect                       |                              |
| MX100s nearby                         |                               |              |              |                                  |                              |
| Search                                |                               |              |              |                                  | Edit network setup.          |
| inara 🚮                               |                               | MX100-No1    | 88           |                                  |                              |
| · · · · · · · · · · · · · · · · · · · |                               | MX100-No1    |              |                                  |                              |
| 1- mil                                | 2 DOM: NO                     | netsolpmkeng |              | Machine Name :                   | MX100-No1                    |
|                                       |                               |              |              | IP Address :                     | -0-0528 600                  |
| <u>5.5</u>                            |                               |              |              | Subnet Mask :<br>Default Gateway | 104.04.04.0                  |
|                                       |                               |              |              | Model:                           | MX100                        |
|                                       |                               |              |              |                                  |                              |
|                                       |                               |              |              | Version :                        | R 3.01                       |
|                                       |                               |              |              | Serial No. :                     | 10030308                     |
|                                       |                               |              |              | Options:                         | /DS                          |
|                                       |                               |              |              | MAC Address :                    | 1000 340400.00               |
|                                       |                               |              |              | User :                           | L netsolpmkeng               |
|                                       |                               |              |              | Software :                       | MX100 Standard               |
|                                       |                               |              |              |                                  | Connect                      |
|                                       |                               |              |              |                                  |                              |
| ady                                   | 0 🗈 🥌                         | =            |              |                                  | <b>3</b> 2008/02/15 12:54:17 |

# **Executing GateMX/MW**

 On the System tab, click the Search button. MX100 information such as the machine name, serial number, and address is displayed under MX100/ MW100 nearby.

|         | oring View Help   |           |       |        |    |         |     |      |   |    |    |   |     |       |       |            |              |     |
|---------|-------------------|-----------|-------|--------|----|---------|-----|------|---|----|----|---|-----|-------|-------|------------|--------------|-----|
| ê 🔒     | > • ?             |           |       |        |    |         |     |      |   |    |    |   |     |       |       |            |              |     |
| System  | Channel Run       |           |       |        |    |         |     |      |   |    |    |   |     |       |       |            |              |     |
| MX100   | / MW100 unit list |           |       |        |    |         |     |      |   |    |    |   |     |       |       |            |              |     |
| No.     | IP Address / Host | Info.     | ChNum |        |    |         | Sy  | stem |   |    |    |   | Har | dware | Mar   | chine Name |              |     |
| 0       |                   | Get Info. | 0     |        |    |         |     | ]    | • | •  |    |   | 1   |       |       |            |              |     |
| 1       |                   | Get Info. | 0     |        | -  |         | -   | ]    |   | -  |    | - |     |       |       |            |              |     |
| 2       |                   | Get Info. | 0     |        | -  |         | -   | ]    |   | -  |    | - | 1   |       |       |            |              |     |
| 3       |                   | Get Info. | 0     |        | -  |         | -   | ]    |   | •  |    | - |     |       |       |            |              |     |
| 4       |                   | Get Info. | 0     |        | -  |         |     | ]    | • | •  |    |   |     |       |       |            |              |     |
| 5       |                   | Get Info. | 0     |        | ٣  |         |     | ]    |   | •  |    |   |     |       |       |            |              |     |
| 6       |                   | Get Info. | 0     |        | -  |         |     | ]    |   | •  |    |   |     |       |       |            |              |     |
| 7       |                   | Get Info. | 0     |        | -  |         | -   | ]    |   | •  |    |   |     |       |       |            |              |     |
| 8       |                   | Get Info. | 0     |        | -  |         | -   | ]    |   | -  |    | - |     |       |       |            |              |     |
| 9       |                   | Get Info. | 0     |        | -  |         | -   | ]    |   | •  |    | - |     |       |       |            |              |     |
| 10      |                   | Get Info. | 0     |        | •  |         | *   | ]    |   | •  |    | • |     |       |       |            |              |     |
|         |                   | -         | 4     | +      |    |         | 1   |      | 4 | _  |    | 4 |     |       |       |            |              | V   |
| MX100   | / MV/100 nearby   |           |       |        |    |         |     |      |   |    |    |   |     |       |       |            | Search       | i I |
|         | Machine Name      | Hardware  | Seria | il No. |    | å,ddres | 55  |      |   | Us | er |   |     |       | Softw | are        |              |     |
| 2ever   | 2                 | MX100     | 003   | 100    |    | 6.00    | 100 |      |   |    |    |   |     |       |       |            | 0            | -   |
| MX100-N | lo1               | MX100     | 1003  | 100    | 10 | 100     | -01 |      |   |    |    |   |     |       |       |            | 1            | Ŧ   |
| leady   |                   |           |       |        |    |         |     |      |   |    |    |   |     |       |       |            | 02/15 12:59. | 40  |

2. Drag the machine name from MX100 nearby onto the IP Address/Host box of No. 0 under MX100 unit list.

| 8 🖬     | <b>&gt; =</b>   ?    |           |       |        |    |         |     |     |   |      |   |          |              |        |
|---------|----------------------|-----------|-------|--------|----|---------|-----|-----|---|------|---|----------|--------------|--------|
| System  | Channel Run          |           |       |        |    |         |     |     |   |      |   |          |              |        |
| MX100   | ) / MAV100 unit list |           |       |        |    |         |     |     |   |      |   |          |              |        |
| No.     | IP Address / Host    | Info.     | ChNum |        |    |         | Sys | tem |   |      |   | Hardware | Machine Name | 4      |
| 0       | MX100-01             | Get Info. | 0     |        | -  |         |     |     |   |      |   |          |              |        |
| 1       | ۰.                   | Get Info. | 0     |        | -  |         | -   |     | - |      | - |          |              |        |
| 2       | A                    | Get Info. | 0     |        | -  |         | -   |     | - |      | - |          |              |        |
| 3       |                      | Get Info. | 0     |        | -  |         | -   |     | - |      | - |          |              |        |
| 4       |                      | Get Info. | 0     |        |    |         |     |     | * |      | - |          |              |        |
| 5       |                      | Get Info. | 0     |        |    |         |     |     | * |      | * |          |              |        |
| 6       |                      | Get Info. | 0     |        |    |         |     |     |   |      |   |          |              |        |
| 7       |                      | Get Info. | 0     |        | -  |         | -   |     | - |      | - |          |              |        |
| 8       |                      | Get Info. | 0     |        | -  |         | -   |     | - |      | - |          |              |        |
| 9       |                      | 0.014     |       |        | -  |         | -   |     | - |      | - |          |              |        |
| 10      | Dra                  | g and     | d dr  | ор     | •  | 1       | •   |     | • |      | • |          |              |        |
| MX100   | )<br>/ MW100 nearby  |           |       |        | _  | •       |     |     | • |      | • |          |              | Search |
| ,       | Machine Name         | Hardware  | Seria | al No. |    | Address |     |     | L | lser |   |          | Software     | -      |
| iner:   |                      | MX100     | 003   | 100    |    | 01.000  |     |     |   |      |   |          |              | -      |
| WX100-N | lo1                  | MX100     | 1008  | 1000   | 10 | 100210  |     |     |   |      |   |          |              | -      |

3. Click the Get Info. button. The machine name is displayed.

#### Click here

| GateM    | IX/MW                 |                        |       |            |        |        |   |          |              | _ 0 |
|----------|-----------------------|------------------------|-------|------------|--------|--------|---|----------|--------------|-----|
| e Moni   | toring View Help      |                        |       |            |        |        |   |          |              |     |
| ê 🖬      | <b>&gt; = ?</b>       |                        |       |            |        |        |   |          |              |     |
| System   | Channel Run           |                        |       |            |        |        |   |          |              |     |
| MX10     | IO / MAV100 unit list |                        |       |            |        |        |   |          |              |     |
|          | IP Address / Host     | in o.                  | ChNum |            | System |        |   | Hardware | Machine Name | 4   |
| No.      |                       |                        |       |            |        |        |   |          |              |     |
| No.<br>0 | 10.0.232.102          | Get Info.              | 0     | <br>· ···  | · ···  | · ···  |   |          |              |     |
|          |                       | Get Info.<br>Get Sifo. |       | <br>•<br>• | · ···  | ▼<br>▼ | • |          |              |     |

**4.** Click the number under Unit No. on the Channel tab to check the channel settings. The channel information corresponding to the unit number is highlighted.

| System           | Channel     | Run      |                   |            |   |
|------------------|-------------|----------|-------------------|------------|---|
| No.              | Channel No. | Tag No.  | Tag Comment       | System No. | 4 |
| 00001            | 00001       | Tag00001 | TagComment 00001  | 2          |   |
| 00002            | 00002       | Tag00002 | TagComment 00002  | 2          |   |
| 00003            | 00003       | Tag00003 | TagComment 00003  | 2          |   |
| 00004            | 00004       | Tag00004 | TagComment 00004  | 2          |   |
| 00005            | 00011       | Tag00011 | TagComment 00011  | 1          |   |
| 00006            | 00012       | Tag00012 | TagComment 00012  | 1          |   |
| 00007            | 00013       | Tag00013 | TagComment 00013  | 1          |   |
| 80000            | 00014       | Tag00014 | TagComment 00014  | 1          |   |
| 00009            | 00015       | Tag00015 | TagComment 00015  | 1          |   |
| 00010            | 00016       | Tag00016 | TagComment 00016  | 1          |   |
| 00011            | 00017       | Tag00017 | TagComment 00017  | 1          |   |
| 00012            | 00018       | Tag00018 | TagComment 00018  | 1          |   |
| 00013            | 00019       | Tag00019 | TagComment 00019  | 1          |   |
| 00014            | 00020       | Tag00020 | TagComment 00020  | 1          |   |
| 00015            | 00021       | Tag00021 | TagComment 00021  | 0          |   |
| 00016<br>Unit No | 00022       | Tex00022 | TereComment 00022 | 0          |   |

**5.** Click the Start Monitoring button or choose Start Monitoring from the Monitoring menu. The communication status is displayed on the Run tab.

Start monitoring button

| e Monitoling                                  | w              |                                                                               |                                           |                   |                                                                                                                 |             |      |      | _ [ | 그, |
|-----------------------------------------------|----------------|-------------------------------------------------------------------------------|-------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------|-------------|------|------|-----|----|
| o riorneo nig                                 | ) View H       | telp                                                                          |                                           |                   |                                                                                                                 |             |      |      |     |    |
| # E   🕨                                       | . 8            |                                                                               |                                           |                   |                                                                                                                 |             |      |      |     |    |
| System Ch                                     | annel          | Run                                                                           |                                           |                   |                                                                                                                 |             |      |      |     | _  |
| Client Host                                   |                |                                                                               |                                           |                   |                                                                                                                 |             |      |      |     | -  |
| Client Host                                   |                |                                                                               |                                           |                   |                                                                                                                 |             |      |      |     |    |
|                                               |                |                                                                               |                                           |                   |                                                                                                                 |             |      |      |     |    |
|                                               |                |                                                                               |                                           |                   |                                                                                                                 |             |      |      |     |    |
|                                               |                |                                                                               |                                           |                   |                                                                                                                 |             |      |      |     |    |
|                                               |                |                                                                               |                                           |                   |                                                                                                                 |             |      |      |     |    |
|                                               |                |                                                                               |                                           |                   |                                                                                                                 |             |      |      |     |    |
| Communica                                     |                |                                                                               |                                           |                   |                                                                                                                 |             |      |      |     |    |
|                                               | ation Status   | ·                                                                             |                                           |                   |                                                                                                                 |             |      |      |     |    |
|                                               | E E            | 6688                                                                          |                                           | share house house | 15                                                                                                              |             |      |      |     |    |
|                                               | ation Status   | 5 6 7 8                                                                       | II II II I<br>II II II II I<br>II II II I | share house house | 15<br>31                                                                                                        |             |      |      |     | _  |
| 0 1 E                                         |                | 5618                                                                          | Interval                                  | share house house | to the second |             | <br> | <br> |     | 4  |
|                                               | 3 4<br>19 20   | 5 6 7 8<br>1 2 2 2                                                            | holized holized holling h                 |                   | Status                                                                                                          |             | <br> | <br> |     | 4  |
| System No.                                    | Unit No.       | Channel Range                                                                 | Interval                                  | Num. of Ch.       | Status                                                                                                          |             |      | <br> |     | 2  |
| System No.                                    | Unit No.       | E         E         E         E           Channel Range         00021 - 00030 | Interval<br>10 msec                       | Num. of Ch.<br>10 | Status                                                                                                          | -           | <br> | <br> |     | 4  |
| System No.<br>0                               | Unit No.<br>00 | Channel Range<br>00021 - 00030<br>00011 - 00020                               | Interval<br>10 msec<br>100 msec           | Num. of Ch.<br>10 | Status                                                                                                          | -           |      | <br> |     | 4  |
| System No.<br>0<br>1<br>2                     | Unit No.<br>00 | Channel Range<br>00021 - 00030<br>00011 - 00020                               | Interval<br>10 msec<br>100 msec           | Num. of Ch.<br>10 | Status                                                                                                          | -<br>-<br>- | <br> |      |     | 4  |
| System No.<br>0<br>1<br>2<br>3                | Unit No.<br>00 | Channel Range<br>00021 - 00030<br>00011 - 00020                               | Interval<br>10 msec<br>100 msec           | Num. of Ch.<br>10 | Status                                                                                                          |             |      | <br> |     | 2  |
| System No.<br>0<br>1<br>2<br>3<br>4           | Unit No.<br>00 | Channel Range<br>00021 - 00030<br>00011 - 00020                               | Interval<br>10 msec<br>100 msec           | Num. of Ch.<br>10 | Status                                                                                                          |             |      | <br> |     | 2  |
| System No.<br>0<br>1<br>2<br>3<br>4<br>5      | Unit No.<br>00 | Channel Range<br>00021 - 00030<br>00011 - 00020                               | Interval<br>10 msec<br>100 msec           | Num. of Ch.<br>10 | Status                                                                                                          | -           | <br> | <br> |     | 2  |
| System No.<br>0<br>1<br>2<br>3<br>4<br>5<br>6 | Unit No.<br>00 | Channel Range<br>00021 - 00030<br>00011 - 00020                               | Interval<br>10 msec<br>100 msec           | Num. of Ch.<br>10 | Status                                                                                                          |             |      |      |     |    |

### Acquiring Data from the Temperature Controller, WT1600, MX100 or Recorder on DAQLOGGER

From DAQLOGGER, you can acquire data from the temperature controller, WT1600, MX100, or recorder via GateCONTROL, GateWT, and GateMX/MW.

1. Start the Configurator.



#### Assigning GateCONTROL

2. Enter the following settings for number 01 on the Recorder Setting tab. Port : Ethernet

Click the Address box.

Click to display the Input Address dialog box Click to display a list, then make a selection

| 2010 | LOGGER Software |     | P           |          |          |           |        |                  |   |     |     |     |
|------|-----------------|-----|-------------|----------|----------|-----------|--------|------------------|---|-----|-----|-----|
|      | DUGGER Software |     | _           |          |          | _         |        |                  |   |     |     |     |
|      | s ?             |     |             |          |          |           |        |                  |   |     |     |     |
| Reco | order Setting   | Ser | ial Setting |          |          |           |        |                  |   |     |     |     |
| No.  | Model           |     | Meas Ch.    | Math Ch. | Ctrl Ch. | Extra Ch. | System | Port             |   | Add | ess |     |
| 01   | Not Connected   |     |             |          |          |           |        | NONE             | • |     |     | i - |
| 02   | Not Connected   |     |             |          |          |           |        | NONE             |   |     |     |     |
| 03   | Not Connected   | -   |             |          |          |           |        | Ethernet<br>COM1 | 5 |     |     |     |
| 04   | Not Connected   | -   |             |          |          |           |        | COM2             |   |     |     | i.  |

 Enter the following settings in the Input Address dialog box. Port number: 50299 (the number set on GateCONTROL) System number: 0

| Input Address - Record | ler 01          | ×    | Input Address - Record | ler 02 | ×      |
|------------------------|-----------------|------|------------------------|--------|--------|
| Ethernet               | Name            |      | Ethernet               | Name   |        |
| localhost              |                 |      | localhost              |        |        |
| Login Name             | admin           |      | Login Name             | admin  |        |
| Password               |                 |      | Password               |        |        |
| Monitor Server         |                 |      | Monitor Server         |        |        |
| Port No.               | 50299 Fix       |      | Port No.               | 50295  | Fix    |
| System No.             | 0 Fix           |      | System No.             | 0      | Fix    |
| ОК                     | Can             | ncel | ОК                     |        | Cancel |
|                        | Click to select | t    |                        |        |        |

#### — Recorder Settings number —

#### Assigning GateWT

4. Repeat steps 2 to 3 to enter the following settings for number 02.

Port : Ethernet

Port number : 50295 (the number set on GateWT)

System number : 0 (GateWT connected to number 01)

#### Assigning GateMX/MW

5. Repeat steps 2 to 3 to enter the following settings for number 03.

Port : Ethernet

Port number : 50297 (the number set on GateMX/MW)

No system number (acquire the data from all the channels of the MX100 connected to GateMX/MW)

| Input Address - Recorder 03         | ×                                                                                |
|-------------------------------------|----------------------------------------------------------------------------------|
| Ethernet<br>IP Address or Host Name | Recorder Settings number                                                         |
| localhost                           |                                                                                  |
| Login Name admin                    |                                                                                  |
| Password                            |                                                                                  |
| Monitor Server                      |                                                                                  |
| Port No. 50297 Fix                  | $\overline{\mathbf{r}}$                                                          |
| System No. 🔽 0 Fix                  | Select the check boxes<br>Not necessary if multiple<br>Gate software programs or |
| OK                                  | multiple systems are not                                                         |

#### **Assigning Recorders**

**6.** Assign the recorders to be connected starting form number 03. Match the port and address settings with those on the recorder.

#### **Automatic Model Determination**

7. On the recorder settings tab, drag to select the number of software applications and recorders to be connected, starting from number 01.

#### Automatic model determination button

| ile C | onmunication View H | elp           |          |          |           |        |          |   |           |
|-------|---------------------|---------------|----------|----------|-----------|--------|----------|---|-----------|
|       | 2 ?                 |               |          |          |           |        |          |   |           |
| Rec   | order Setting S     | erial Setting |          |          |           |        |          |   |           |
| No.   | Model               | Meas Ch.      | Math Ch. | Ctrl Ch. | Extra Ch. | System | Port     |   | Address   |
| 01    | Not Connected       |               |          |          |           |        | Ethernet | ٣ | localhost |
| 02    | Not Connected       |               |          |          |           |        | Ethernet |   | localhost |
| 03    | Not Connected       |               |          |          |           |        | Ethernet |   | localhost |
| 04    | Not Connected       |               |          |          |           |        | Ethernet |   | localhost |
| -05   | Not Connected       |               |          |          |           |        | Ethernet | v | localhost |

Drag to select only those to be connected

8. Click the Automatic model Determination button.

The Communication Message dialog box is displayed. Confirm that the models were determined successfully.

|          | Model determination was successful.                                         | <u> </u> |
|----------|-----------------------------------------------------------------------------|----------|
|          | Model determination was successful.                                         |          |
|          | l Model determination was successful.<br>Model determination was successful |          |
|          | Model determination was successful.                                         |          |
|          | Model determination was successful                                          |          |
|          | Model determination was successful.                                         |          |
|          | Model determination was successful.                                         | _        |
| al.      |                                                                             |          |
| <u>.</u> |                                                                             |          |
|          | ОК                                                                          |          |

#### Save button

| le Co | ommunication View I | Help       |          |          |          |           |            |          |   |           |
|-------|---------------------|------------|----------|----------|----------|-----------|------------|----------|---|-----------|
|       | 2 ?                 |            |          |          |          |           |            |          |   |           |
| Reco  | order Setting       | Serial     | Setting  |          |          |           |            |          |   |           |
| No.   | Model               |            | Meas Ch. | Math Ch. | Ctrl Ch. | Extra Ch. | System     | Port     |   | Address   |
| 01    | Øate                | • 0        |          |          |          |           | GateMODBUS | Ethernet |   | localhost |
| 02    | Gate                | <b>-</b> 0 |          |          |          |           | GateVVT    | Ethernet | - | localhost |
| 03    | Gate                | <b>-</b> 0 |          |          |          |           | GateMX/M/V | Ethernet |   | localhost |
| 04    | 0×100               | <b>v</b> 4 |          | 8 🗸      |          |           |            | Ethernet |   | localhost |



9. Click the Save button, then close the configurator.

#### **Entering Tag Settings**

10. Start the tag setting software.

| 🚍 Project1[Supervisor] - DAQLOGGER Manager                                   |        |
|------------------------------------------------------------------------------|--------|
| File Logger Launch Other Help                                                | -Click |
| SCAN RECORD D MONTOR VEVER FLEET DE MEE DE MEE V. SERV ERD SCAN SETING 👷 ENV |        |
| B00000E                                                                      |        |

11. Drag to select tag numbers.

**12.** Click the Auto Assign button.

|                       | 🛷 DAQLOG    |        | -                 |                 |           |
|-----------------------|-------------|--------|-------------------|-----------------|-----------|
|                       | File Edit C | Commun | ication View Help |                 |           |
|                       | 🛛 🖬 🖻 🖨     | )   🐴  | 🖻 🖷   🎪   🖓 🐐 🔸 🕨 | M ?             |           |
|                       | Tag No.     | Use    | Tag Name          | Recorder Number | Channel 🔺 |
|                       | TAG0001     | 🛾 O N  | DAQLOG-TAG-0001   | NONE 🗾          |           |
|                       | TAG0002     | 🛾 O N  | DAQLOG-TAG-0002   | NONE 🗾          |           |
|                       | TAG0003     | 🛾 O N  | DAQLOG-TAG-0003   | NONE 🗾          |           |
|                       | TAG0004     | 🛾 O N  | DAQLOG-TAG-0004   | NONE 🗾          |           |
|                       | TAG0005     | 🛾 O N  | DAQLOG-TAG-0005   | NONE 🗾          |           |
|                       | TAG0006     | 🛾 O N  | DAQLOG-TAG-0006   | NONE 🗾          |           |
|                       | TAG0007     | 🛾 O N  | DAQLOG-TAG-0007   | NONE 🗾          |           |
|                       | TAG0008     | 🛾 O N  | DAQLOG-TAG-0008   | NONE 🗾          |           |
| Drag to select only — | TAG0009     | 🛾 O N  | DAQLOG-TAG-0009   | NONE 🗾          |           |
| those to be connected | TAG0010     | 🛾 O N  | DAQLOG-TAG-0010   | NONE 🗾          |           |
|                       | TAG0011     | 🛾 O N  | DAQLOG-TAG-0011   | NONE 🗾          |           |
|                       | TAG0012     | 🛾 O N  | DAQLOG-TAG-0012   | NONE 🗾          |           |
|                       | TAG0013     | 🛾 O N  | DAQLOG-TAG-0013   | NONE 🗾          |           |
|                       | TAG0014     | 🛯 O N  | DAQLOG-TAG-0014   | NONE 🗾          |           |
|                       | TAG0015     | 🛯 O N  | DAQLOG-TAG-0015   | NONE 🗾          |           |
|                       | TAG0016     | 🛾 O N  | DAQLOG-TAG-0016   | NONE 🗾          |           |
|                       | TAG0017     | OFF    | DAQLOG-TAG-0017   | NONE 🗾          |           |
|                       | TAG0018     | OFF    | DAQLOG-TAG-0018   | NONE 🗾          |           |
|                       |             | 8      | **                | ••              | Δ.        |
|                       | Ready       |        |                   |                 |           |

#### Automatic model determination button

#### Save button

| ØDAQLO    | IGGER Ta     | ng Editor         |                 | _D×       |                 |
|-----------|--------------|-------------------|-----------------|-----------|-----------------|
| File Edit |              | ication View Help |                 |           |                 |
|           | l 🕹   😫      | Pa 🛍 🏂 🖓 ↔ →      | M 8             |           |                 |
| Tag No.   | Use          | Tag Name          | Recorder Number | Channel 🔺 |                 |
| TAG0001   | 🗾 O N        | TAG-R03-04        | 01: Gate        | 0001      |                 |
| TAG0002   | 🗾 O N        | TAG 103-02        | 01:Gate 🗾 💌     | 0002      |                 |
| TAG0003   | 🗾 O N        | 7AG-R03-03        | 01: Gate 🗾 💌    | 00%       |                 |
| TAG0004   | 🛛 0 X        | TAG-R03-04        | 01:Gate 🗾 💌     | 0004      |                 |
| TAG0005   | M 1/1 N      | TAG-R04-01        | 01:Gate 🗾 💌     | 0005      |                 |
| TAG0006   | 📝 O N        | TAG-R04-02        | 01:Gate 🗾 💌     | 0006      |                 |
| TAG0007   | <u>/ O N</u> | TAG-R04-03        | 01:Gate 🗾 💌     | 0007      |                 |
| TAG0008   | 🔼 O N        | TAG-R04-04        | 01: Gate 🗾 💌    | 0008      |                 |
| TAG0009   | 🔼 O N        | TAG-R04-05        | 01: Gate 🗾 💌    | 0009      | —The model name |
| TAG0010   | 🚺 O N        | TAG-R04-06        | 01: Gate 🗾 💌    | 0010      | is displayed    |
| TAG0011   | 🔽 O N        | TAG-R04-07        | 01: Gate 🗾 💌    | 0011      |                 |
| TAG0012   | <u>N 0 X</u> | TAG-R04-08        | 01: Gate 🗾 💌    | 0012      |                 |
| TAG0013   | NU           | TAG-R05-01        | 01: Gate 🗾 💌    | 0013      |                 |
| TAG0014   | 🛛 ÙN         | TAG-R05-02        | 01: Gate 🗾 💌    | 0014      |                 |
| TAG0015   |              | TAG-R05-03        | 01: Gate 🗾 💌    | 001%      |                 |
| TAG0016   | 🗾 O N        | TAB-R05-04        | 01: Gate 🗾 💌    | 2016      |                 |
| TAG0017   | 🗾 O N        | TAG-R05-95        | 01: Gate 🗾 🗾    | 0017      |                 |
| TAG0018   | 🗾 O N        | TAG-R05-06        | 01: Gate        | 0018      |                 |
| <b></b>   | 0            | **                | ++              |           |                 |
| Ready     |              |                   |                 |           |                 |

**13.** Click the Save button, then close the tag setting software.

**Setting Logging Conditions** 

- 14. Choose Logger > Configuration from the menu bar in the manager window.
  - Project I [Supervisor] DAQLOGGER Manager

     File
     Logger
     Launch
     Other
     Help

     Scan Start
     Scan Start
     Image: Scan S
- **15.** Set data logging conditions from GateCONTROL, GateWT, and GateMX/ MW, then click OK.

| -Scanning/Reco    |                     |                      |               |
|-------------------|---------------------|----------------------|---------------|
| Scan Interval :   | 5 sec Recordir      | ng Rate : 1 5 sec    |               |
|                   | 🔽 Zero Start ADJ    | 🔲 Zero Start ADJ     |               |
| - Recording Start | /End                |                      |               |
| Start : On R      | ecord               |                      |               |
| End None          |                     |                      |               |
| End: None         | ·                   |                      |               |
|                   |                     |                      |               |
| - File            |                     |                      |               |
| Folder : C:\E     | AQWORX\DAQLOGGER    | \Project1            | Select folder |
| 🔽 Extra file na   | me DataFile         |                      | Add Date      |
|                   |                     |                      |               |
|                   | )ff 🔻               |                      |               |
| File division :   |                     |                      |               |
|                   | sired Disconnection | Math                 |               |
|                   | sired Disconnection | Math<br>sec Action : | None          |

— Data logging conditions

Save settings then close the dialog box

#### Start Data Logging

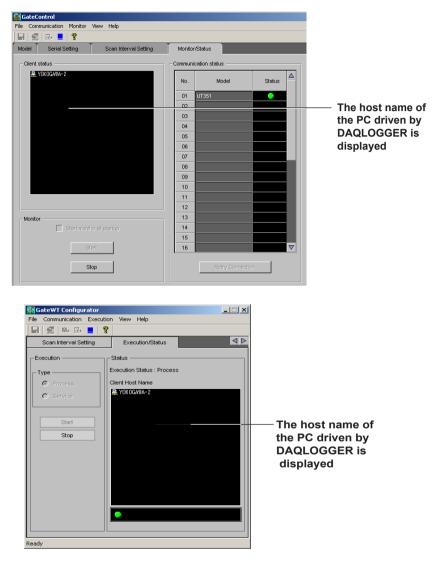
16. Click the SCAN button.

Click



Data is logged from GateCONTROL, GateWT, GateMX/MW, and recorders.

The host name of the PC on which DAQLOGGER is being installed is displayed in GateCONTROL's Monitor/Status tab or GateWT's Execution/ Status tab.



The host name of the PC that has DAQLOGGER installed is displayed on the Run tab of GateMX/MW.

| Eg GateMX/MW                                                                                                                                                                                             |                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| File Monitoring View Help                                                                                                                                                                                |                                                         |
| 📽 🖬   🕨 📕 🖇                                                                                                                                                                                              |                                                         |
| System Channel Run                                                                                                                                                                                       |                                                         |
| Client Host                                                                                                                                                                                              |                                                         |
| netsolpmkeng —                                                                                                                                                                                           | — Displays the host name of<br>the PC running DAQLOGGER |
| Communication Status     Difference in the second status | — System number whose<br>communication is in            |
| System No. Unit No. Channel Range Interval Num. of Ch. Status                                                                                                                                            | ••••••••••••                                            |
| 0 00 00021 - 00030 10 msec 10 🥥                                                                                                                                                                          | progress is displayed in green                          |
| 1 00 00011 - 00020 100 msec 10 🥥                                                                                                                                                                         |                                                         |
| 2 00 00001 - 00044 500 msec 8 🥥                                                                                                                                                                          |                                                         |
| 3                                                                                                                                                                                                        |                                                         |
| 4                                                                                                                                                                                                        | — MX100 channels and monitor                            |
| 6                                                                                                                                                                                                        | intervals specified on the                              |
|                                                                                                                                                                                                          | MX100 Standard Software                                 |
|                                                                                                                                                                                                          | inverse standard boltware                               |
| Ready                                                                                                                                                                                                    |                                                         |

#### Starting the Monitor Server

17. Click the monitor server icon.

| Click                                                                  |   |
|------------------------------------------------------------------------|---|
| Project1[Supervisor] - DAQLOGGER Manager                               | < |
| File Logger Launch Other Help                                          |   |
| SCAN RECORD DI MONTOR VIEVER RECT DOE TRA CSERV CROUP SETTING TAG TINY |   |
| BCOGODE "                                                              |   |
|                                                                        | _ |
| DAQLOGGER Monitor                                                      |   |
| Monitor Server Help                                                    |   |
| Client Host Name                                                       |   |
|                                                                        |   |

# Logging and Saving Data Using AddMulti

**1.** Click the Configuration button.

| Click                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                        |                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 👶 Project 1 - Add Multi Lau                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | incher                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                        |                                                                                                                                                                       |
| File Logger View Help                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                        |                                                                                                                                                                       |
| 🛛 🛃 🖻 🚽 🉀 💷 🖲                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 🔍 💡                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                        |                                                                                                                                                                       |
| Ġroı                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | up 01                                                                                                                                                                                                                                                                                                                                                                 | Gr                                                                                                                                     | oup 02                                                                                                                                                                |
| P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Config.                                                                                                                                                                                                                                                                                                                                                               | $\triangleright$                                                                                                                       | Config.                                                                                                                                                               |
| Start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Stop                                                                                                                                                                                                                                                                                                                                                                  | Start                                                                                                                                  | Stop                                                                                                                                                                  |
| Grou                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | up 03                                                                                                                                                                                                                                                                                                                                                                 | Gr                                                                                                                                     | oup 04                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Config.                                                                                                                                                                                                                                                                                                                                                               | 2                                                                                                                                      | Config.                                                                                                                                                               |
| Start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Stop                                                                                                                                                                                                                                                                                                                                                                  | Start                                                                                                                                  | Stop                                                                                                                                                                  |
| P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                       | STOP                                                                                                                                   | 1969/12/31 16:00:00.000                                                                                                                                               |
| W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | om DAQLOGGER is                                                                                                                                                                                                                                                                                                                                                       | et Host Info butte<br>displayed, and t                                                                                                 | on, information obtained<br>he button changes to th                                                                                                                   |
| Ge<br>W<br>fro                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | hen you click the G<br>om DAQLOGGER is<br>acording Config but                                                                                                                                                                                                                                                                                                         | et Host Info butte<br>displayed, and t<br><sup>ton</sup> Click to                                                                      | on, information obtained                                                                                                                                              |
| Ge<br>W<br>fro<br>Re<br>Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | hen you click the G<br>om DAQLOGGER is<br>ecording Config but<br>Click                                                                                                                                                                                                                                                                                                | et Host Info butto<br>displayed, and t<br>ton Click to<br>Enter 0 from D                                                               | on, information obtained<br>the button changes to the<br>obtain information<br>AQLOGGER                                                                               |
| Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | hen you click the G<br>om DAQLOGGER is<br>ecording Config but<br>Click                                                                                                                                                                                                                                                                                                | et Host Info butte<br>displayed, and t<br>ton Click to<br>Enter 0 from D                                                               | on, information obtained<br>the button changes to the<br>o obtain information<br>AQLOGGER                                                                             |
| Configuration<br>Server Host: DOC_DELL_EJ<br>01 02 03 04 05 06 07 08 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | hen you click the G<br>om DAQLOGGER is<br>ecording Config but<br>Click                                                                                                                                                                                                                                                                                                | et Host Info butte<br>displayed, and t<br>ton Click to<br>Enter 0 from D                                                               | on, information obtained<br>the button changes to the<br>o obtain information<br>AQLOGGER                                                                             |
| Configuration<br>Server Host: DOC_DELL_EJ<br>Of 02 03 04 05 06 07 08 0<br>Group Name: Group 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | hen you click the G<br>om DAQLOGGER is<br>ecording Config but<br>Click<br>Port No: 50200 System No<br>9 10 11 12 13 14 15 16 17                                                                                                                                                                                                                                       | et Host Info butte<br>displayed, and t<br>ton Click to<br>Enter 0 from D                                                               | on, information obtained<br>the button changes to the<br>o obtain information<br>AQLOGGER                                                                             |
| Ge         W           frc         W           frc         Re           v         V           frc         Re           v         V           frc         Re           v         V           frc         Re           of 102 03 04 05 06 07 08 0         Group 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | hen you click the G<br>om DAQLOGGER is<br>ecording Config but<br>Click                                                                                                                                                                                                                                                                                                | et Host Info butte<br>displayed, and t<br>ton Click to<br>Enter 0 from D                                                               | on, information obtained<br>the button changes to the<br>o obtain information<br>AQLOGGER                                                                             |
| Configuration<br>Server Host: DOC_DELL_EJ<br>01 02 03 04 05 06 07 08 0<br>Group Name: Group 01<br>No. Channel<br>VX01 CH0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Pot No : 50200 IP System No<br>9 10 11 12 13 14 15 16 17<br>Recording Rate 1 1.000 sec<br>Start Condition<br>On Record -                                                                                                                                                                     | et Host Info butto<br>displayed, and t<br>ton Click to<br>Enter 0<br>from Da<br>18 19 20 21 22 23 24                                   | on, information obtained<br>the button changes to the<br>o obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 26 27 28 29 30 31 32 33 34 4<br>tion     |
| Ge<br>W<br>frc<br>Re<br>Configuration<br>Server Host : DOC_DELL_EJ.<br>Of 02 03 04 05 06 07 08 0<br>Group Name : Group 01<br>No. Channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Port No.: 50080 @ System N<br>9 10 11 12 13 14 15 16 17<br>Recording Rate: 1 1.000 sec<br>Start Condition                                                                                                                                                                                    | et Host Info butto<br>displayed, and t<br>ton Click to<br>Enter 0 from Da<br>18 19 20 21 22 23 24                                      | on, information obtained<br>the button changes to the<br>o obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 26 27 28 29 90 31 32 33 94 4<br>tion     |
| Configuration           Server Host:         DOC_DELL_EJ           01         02         03         04         05         06         07         08           Group Name:         Group 01         01         02         03         04         05         06         07         08         07         09         02         03         04         05         06         07         08         02         03         04         05         06         07         08         02         03         04         05         06         07         08         02         03         04         05         06         07         08         02         02         03         04         05         05         07         08         02         04         03         04         05         06         07         08         02         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         04         0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Pot No : 50200 IP System No<br>9 10 11 12 13 14 15 16 17<br>Recording Rate 1 1.000 sec<br>Start Condition<br>On Record -                                                                                                                                                                     | et Host Info butto<br>displayed, and t<br>ton Click to<br>Enter 0<br>from Da<br>18 19 20 21 22 23 24                                   | on, information obtained<br>the button changes to the<br>o obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 26 27 28 29 30 31 32 33 34 4<br>tion     |
| Ge           W           frc           Configuration           Server Host:         DOC_DELL_EJ.           01         02         03         04         05         06         07         08           Group Name:         Group 01         Image: Group 02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | hen you click the G<br>om DAQLOGGER is<br>ecording Config but<br>Click<br>Port No.: 90200 System N<br>9 10 11 12 13 14 15 16 17<br>Recording Rate: 1 1.000 sec<br>Start Condition<br>On Record .<br>Izero Start ADJ                                                                                                                                                   | et Host Info butto<br>displayed, and t<br>ton Click to<br>Enter 0<br>from Da<br>18 19 20 21 22 23 24                                   | on, information obtained<br>the button changes to the<br>o obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 26 27 28 29 30 31 32 33 34 4<br>tion     |
| Configuration           Server Host:         DOC_DELL_EJ           01         02         03         04         05         06         07         08           Croup Name:         Group 01         01         04         05         06         07         08         07         09         07         09         07         09         07         09         07         09         07         09         07         09         07         09         07         09         07         09         07         09         07         09         07         09         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         08         07         0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Port No : 50200 @ System N<br>10 11 12 13 14 15 18 17<br>Recording Rate : 1 1000 sec<br>Start Condition<br>On Record :<br>Zero Start ADJ<br>File Settings                                                                                                                                    | et Host Info butto<br>displayed, and t<br>ton Click to<br>Enter 0 from Da<br>10 19 20 21 22 23 24<br>End Condi                         | on, information obtained<br>the button changes to the<br>o obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 26 27 28 29 30 31 32 33 34 4<br>tion     |
| Configuration         Get           Server Host:         DOC_DELL_EJ.           01         D2         03           02         03         04         05         06         07         08         0           Group Name:         Group 01         Group 01         Group 01         Group 01         Group 01         Group 01         Group 02         Group 02         Group 03         Group 03         Group 04         G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Port No : 50000 II System N<br>9 10 11 12 13 14 15 16 17<br>Recording Rate : 1 1.000 sec<br>Start Condition<br>I Zero Start ADJ<br>File Settings<br>Folder : C:DAQWORXAddebutter                                                                                                             | et Host Info butto<br>displayed, and t<br>ton Click to<br>Enter 0 from Da<br>10 19 20 21 22 23 24<br>End Condi                         | on, information obtained<br>the button changes to the<br>obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 28 27 28 29 30 31 32 33 34 4<br>bon<br>er: |
| Configuration         Free           Server Host:         DOC_DELL_EJ           01         02         03         04         05         06         07         08         0           Group Name:         Group 01         Image: Group 01         Ima                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Port No : 50200 II System N<br>9 10 11 12 13 14 15 18 17<br>Recording Rate 1 1 000 sec<br>Start Condition<br>IR Record II 1 000 sec<br>Start Condition<br>File Settings<br>Folder : C:DAQWORXAddMultiPri<br>II Extra file name 01                                                            | et Host Info butto<br>displayed, and t<br>ton Click to<br>Enter 0 from Da<br>10 19 20 21 22 23 24<br>End Condi                         | on, information obtained<br>the button changes to the<br>obtain information<br>AQLOGGER<br>25 26 27 20 29 30 31 32 33 94 4<br>ton<br>ter: 5 0 000004.000              |
| Ge           W           frc           Server Hod:         DOC_DELL_EJ.           01         02         03         04         05         06         07         08         0           Croup Name:         Group 01         Croup Name:         Group 01         04         05         06         07         08         0           VM01         Cr00001         VM02         Cr00001         04         06         07         05         07         04         07         04         00001         04         05         06         07         05         04         05         05         05         05         05         05         05         05         05         05         05         05         05         04         05         04         05         04         05         05         05         05         05         07         05         04         05         05         05         05         05         05         05         05         05         05         05         05         05         05         05         05         05         05         05         05         05         05         05         05 <td>hen you click the G<br/>om DAQLOGGER is<br/>cording Config but<br/>Click<br/>Port No : 50200 System N<br/>9 10 11 12 13 14 15 16 17<br/>Recording Rate : 1 1.000 sec<br/>Start Condion<br/>On Record : 1 1.000 sec<br/>Start Condion<br/>File Settings<br/>Foker : C:DAQWORXAddMultiP<br/>File Settings<br/>Foker : C:DAQWORXAddMultiP</td> <td>et Host Info butto<br/>displayed, and t<br/>ton Click to<br/>Enter 0 from Da<br/>10 19 20 21 22 23 24<br/>End Condi</td> <td>on, information obtained<br/>the button changes to the<br/>obtain information<br/>AQLOGGER<br/>Cet Host Info. Host Info.<br/>25 28 27 28 29 30 31 32 33 34 4<br/>bon<br/>er:</td>                                                                                                                                                | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Port No : 50200 System N<br>9 10 11 12 13 14 15 16 17<br>Recording Rate : 1 1.000 sec<br>Start Condion<br>On Record : 1 1.000 sec<br>Start Condion<br>File Settings<br>Foker : C:DAQWORXAddMultiP<br>File Settings<br>Foker : C:DAQWORXAddMultiP                                             | et Host Info butto<br>displayed, and t<br>ton Click to<br>Enter 0 from Da<br>10 19 20 21 22 23 24<br>End Condi                         | on, information obtained<br>the button changes to the<br>obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 28 27 28 29 30 31 32 33 34 4<br>bon<br>er: |
| Configuration         Free           Server Host:         DOC_DELL_EJ.           01         02         03         04         05         06         07         08         0           Group Name:         Group 01         Channel         V01         CH0003         VV02         CH0003         VV04         CH0004         VV05         CH0006         VV06         CH0006         VV07         CH0007         VV08         CH0006         VV07         VV08         CH0006         VV07         VV08         CH0006         VV11         None>         VV11         None>         VV11         None>         VV11         None>         VV11         None>         VV12         None>         VV13         None>         VV13         None>         VV13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Port No : 50200 III System N<br>9 10 11 12 13 14 15 16 17<br>Recording Rate : 1 1.000 sec<br>Start Condition<br>On Resourd =<br>I zero Start ADJ<br>File Settings<br>Folder : C1DAGWORXAddMultiP<br>File Settings<br>Folder : C1DAGWORXAddMultiP<br>File division : OFF =<br>File conversion | et Host Info butte<br>displayed, and t<br>ton Click to<br>Enter 0 from DA<br>18 19 20 21 22 23 24<br>End Cond<br>Deta com<br>Deta runt | on, information obtained<br>the button changes to the<br>obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 28 27 28 29 30 31 32 33 34 4<br>bon<br>er: |
| Configuration         Free           Server Host:         DOC_DELL_BJ.           01         02         03         04         05         06         07         08         0           Croup Name:         Group 01         Channel         No.         No.         Channel         No.         No.         Channel         No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Port No : 50200 III System N<br>9 10 11 12 13 14 15 16 17<br>Recording Rate : 1 1.000 sec<br>Start Condition<br>On Record =<br>Zero Start ADJ<br>File Settings<br>Folder : C1DAGWORXAddMultiP<br>File division : OFF •<br>File conversion<br>Tet Lotus                                       | et Host Info butto<br>displayed, and t<br>ton Click to<br>Enter 0 from Da<br>10 19 20 21 22 23 24<br>End Condi                         | on, information obtained<br>the button changes to the<br>obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 28 27 28 29 30 31 32 33 34 4<br>bon<br>er: |
| Configuration         Get W           Server Host:         DOC_DELL_EJ.           01         02         03         04         05         06         07         08         0           CompName:         Group Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Port No : 50200 III System N<br>9 10 11 12 13 14 15 16 17<br>Recording Rate 1 1.000 sec<br>Start Condition<br>On Record =<br>Zero Start ADJ<br>File Settings<br>Folder : CDAGWORXAadakultiff<br>File division CFF •<br>File conversion<br>Text Lotus<br>Miscellaneous                        | et Host Info butte<br>displayed, and t<br>ton Click to<br>Enter 0 from DA<br>18 19 20 21 22 23 24<br>End Cond<br>Deta com<br>Deta runt | on, information obtained<br>the button changes to the<br>obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 28 27 28 29 30 31 32 33 34 4<br>bon<br>er: |
| Configuration         Server Host:         DOC_DELL_EJ           01         02         03         04         05         06         07         08           Croup Name:         Group 01         No.         Channel         No.         No.         Channel         No.         No.         Channel         No.         No. </td <td>hen you click the G<br/>om DAQLOGGER is<br/>cording Config but<br/>Click<br/>Port No : 50200 III System N<br/>9 10 11 12 13 14 15 16 17<br/>Recording Rate : 1 1.000 sec<br/>Start Condition<br/>On Record =<br/>Zero Start ADJ<br/>File Settings<br/>Folder : C1DAGWORXAddMultiP<br/>File division : OFF •<br/>File conversion<br/>Tet Lotus</td> <td>et Host Info butte<br/>displayed, and t<br/>ton Click to<br/>Enter 0 from DA<br/>18 19 20 21 22 23 24<br/>End Cond<br/>Deta com<br/>Deta runt</td> <td>on, information obtained<br/>the button changes to the<br/>obtain information<br/>AQLOGGER<br/>Cet Host Info. Host Info.<br/>25 28 27 28 29 30 31 32 33 34 4<br/>bon<br/>er:</td> | hen you click the G<br>om DAQLOGGER is<br>cording Config but<br>Click<br>Port No : 50200 III System N<br>9 10 11 12 13 14 15 16 17<br>Recording Rate : 1 1.000 sec<br>Start Condition<br>On Record =<br>Zero Start ADJ<br>File Settings<br>Folder : C1DAGWORXAddMultiP<br>File division : OFF •<br>File conversion<br>Tet Lotus                                       | et Host Info butte<br>displayed, and t<br>ton Click to<br>Enter 0 from DA<br>18 19 20 21 22 23 24<br>End Cond<br>Deta com<br>Deta runt | on, information obtained<br>the button changes to the<br>obtain information<br>AQLOGGER<br>Cet Host Info. Host Info.<br>25 28 27 28 29 30 31 32 33 34 4<br>bon<br>er: |

**2.** Click the port number selection button, then select No. 2 (DAQLOGGER's port number).

|         | Port | No.         | ×                 |
|---------|------|-------------|-------------------|
|         | No.  | Server type | Port no.(default) |
|         | 1    | DAQ32PLUS   | 50278             |
| Click — | -2   | DAQLOGGER   | 50280             |
|         | 3    | MXLOGGER    | 50284             |

- 3. Enter a system number of 0.
- 4. Click Get Host Info.
  - Information is obtained from DAQLOGGER.
- **5.** Click the Host Info button to check the settings of the connected DAQLOGGERs.

When you click, the acquisition setting screen switches, and the button changes to the Recording Config button Connected server types are displayed

| Configur  | ation                                                       |                  |                    |         |                  |         |        |           |                | ×                      |
|-----------|-------------------------------------------------------------|------------------|--------------------|---------|------------------|---------|--------|-----------|----------------|------------------------|
| Server H  | erver Host : DOC_DELL_EJ. Port No. : 50280 🗔 System No. : 0 |                  |                    |         |                  |         |        |           | Get Host Info. | Record Config.         |
| Server ty | pe: None                                                    | > Number of Ch.: | 1600 Scan Interval | : 1.000 | ) sec 🛛 Start ti | ne: 196 | 9/12/3 | 1 16:00:0 | 00.000 Z       | ero Start ADJ : Usable |
| No.       | Channel No                                                  | Tag No.          | Tag Comment        | Min     | Max              | Unit    |        | A         | larm           | 4                      |
| INU.      | ChainerNo                                                   | Tag No.          | rag comment        | 1WIII 1 | Wax              | Unit    | Level  | Туре      | Value          |                        |
| 0001      | CH0001                                                      | TAG0001          | TAGCOMMENT0001     | -10.000 | 10.000           |         | L1 1   | OFF       | 0.000          |                        |
| 0002      | CH0002                                                      | TAG0002          | TAGCOMMENT0002     | -10.000 | 10.000           |         | L1 1   |           |                |                        |
| 0003      | CH0003                                                      |                  | TAGCOMMENT0003     |         | 10.000           |         | L1 1   |           |                |                        |
| 0004      | CH0004                                                      | TAG0004          | TAGCOMMENT0004     |         | 10.000           |         | L1 1   |           |                |                        |
| 0005      | CH0005                                                      | TAG0005          | TAGCOMMENT0005     | -10.000 | 10.000           |         | L1 1   |           |                |                        |
| 0006      | CH0006                                                      |                  | TAGCOMMENT0006     |         | 10.000           |         | L1 1   |           |                |                        |
| 0007      | CH0007                                                      |                  | TAGCOMMENT0007     |         | 10.000           |         | L1 1   |           |                |                        |
| 0008      | CH0008                                                      | TAGOOOS          | TAGCOMMENTOOOS     | 10.000  | 10.000           |         | 14.4   | OFF       | 0.000          |                        |

**6.** Click the Recording Config button on the 01 tab to set the acquisition conditions.

| Configuration              |                       |                        |                   | <u>&gt;</u>               |  |  |  |  |
|----------------------------|-----------------------|------------------------|-------------------|---------------------------|--|--|--|--|
| Server Host : local host   | Port No. : 50280      | System No.: 0          |                   | Get Host Info. Host Info. |  |  |  |  |
| 01 02 03 04 05 06 0        | 7 08 09 10 11 12 13 1 | 4 15 16 17 18 19 20 21 | 22 23 24 25 26 27 | 28 29 30 31 32 33 34 🛛    |  |  |  |  |
| roup Name : Group 01       |                       |                        |                   |                           |  |  |  |  |
| No. Channel                | Recording Rate :      | 1 1.000 sec            |                   |                           |  |  |  |  |
| NU. Channel                | - Start Condition     |                        | End Condition     |                           |  |  |  |  |
| VV01 CH0001                | On Record 💌           |                        | Data count        |                           |  |  |  |  |
| VV02 CH0002                | Zero Start ADJ        |                        | Data number :     | 5 0 00:00:04.000          |  |  |  |  |
| VV03 CH0003<br>VV04 CH0004 |                       |                        |                   |                           |  |  |  |  |
| 1A05 CH0005                |                       |                        |                   |                           |  |  |  |  |
| Click                      |                       |                        |                   |                           |  |  |  |  |
| Click to                   | solact                | Ļ                      |                   |                           |  |  |  |  |
|                            | 361661                |                        |                   |                           |  |  |  |  |
| hannel No                  |                       |                        |                   | ×                         |  |  |  |  |
| TAG0001                    | TAG0002               | TAG0003                | TAG0004           |                           |  |  |  |  |
| TAG0005                    | TAG0006               | TAG0007                | TAG0008           |                           |  |  |  |  |
| TAG0009                    | TAG0010               | TAG0011                | TAG0012           |                           |  |  |  |  |
| TAG0013                    | TAG0014               | TAG0015                | TAG0016           |                           |  |  |  |  |
| TAG0017                    | TAG0018               | TAG0019                | TAG0020           |                           |  |  |  |  |
| TA 00004                   | TAG0022               | TAG0023                | TAG0024           | 1                         |  |  |  |  |
| TAG0021                    |                       |                        |                   |                           |  |  |  |  |

Acquisition channel :

use the increment button to set W01-W10 to TAG0001-TAG0010.

Group name :

Evaluation test 1

|              | Configura    | tion                      |                                                                               | ×                       |
|--------------|--------------|---------------------------|-------------------------------------------------------------------------------|-------------------------|
|              | Server Ho:   | st: DOC_DELL_EJ.          | Port No.: 50280 System No.: 0 Get Host In                                     | fo. Host Info. 🕅        |
|              | 01 02 0      | 3 04 05 06 07 08          | 3 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 3            | 10 31 32 33 34 \land  Þ |
| Change the — | Group Nan    | <del>ie : G</del> roup 01 |                                                                               |                         |
| group name   | No.          | Channel                   | Recording Rate : 5.000 sec                                                    |                         |
| •            | NO.          | Channel                   | - Start ConditionEnd Condition                                                |                         |
| г            |              | TAG0001                   | On Record 💌 Data count 💌                                                      |                         |
|              | VV02         | TAG0002                   | Zero Start ADJ Data number : 5 01                                             | 00:00:20.000            |
|              | VV03         | TAG0003                   |                                                                               |                         |
|              | VV04<br>VV05 | TAG0004<br>TAG0005        |                                                                               |                         |
| Drag to —    | VV05         | TAG0005                   |                                                                               |                         |
| select       | VV07         | TAG0007                   | - File Settings                                                               |                         |
| L            |              | XAC0008                   | Folder: C:\DAQWORX\AddMulti\Project1\Group 01\                                | Browse                  |
|              | VV09         | «None»                    | Extra file name G01                                                           | Add date                |
|              | VV10         | <none></none>             |                                                                               |                         |
|              | VV11         | <none></none>             | File division : OFF                                                           |                         |
|              | VV12         | «None»                    | -File conversion                                                              |                         |
|              | VV13<br>VV14 | <none></none>             | Text Lotus Excel                                                              |                         |
|              | VV15         | <none></none>             | Miscellaneous                                                                 |                         |
|              | VV16         | «None»                    |                                                                               |                         |
|              | 0            | • • · ·                   | Cours                                                                         |                         |
|              | ОК           | Cancel Apply              | Updates display settings to Data Monitor. Receive Group Settings Copy Setting | <b>ry</b> Paste         |
|              |              |                           |                                                                               |                         |

Increment button

Acquisition channel numbers are filled from the first cell in the selection to the last, each channel being assigned a number +1 higher than the last.

7. Set groups 02, 03, and 04 in the same manner.

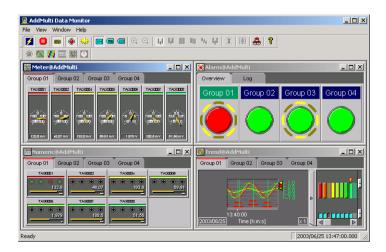
Click OK to save the settings.

- 8. Click the SCAN button. Data is acquired from DAQLOGGER.
- **9.** Start the monitor software. The specified group data is displayed in the monitor.

Click to start the scan

| *    | Project1 - AddMulti Launcher |  |
|------|------------------------------|--|
| File | Logger View Help             |  |
|      | 2   PP =>   ↔   ==           |  |

Click to display the monitor



10. Select several groups and start data acquisition on all of them.

Click the desired groups  $\triangleright$ , then click the Record Start button.

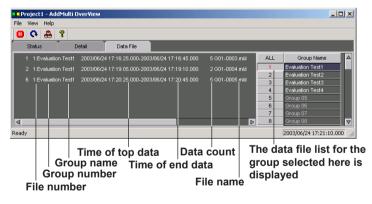
To stop, click the Record Stop button.

To start or stop data acquisition on only one group, click the Start or Stop button for that group.

#### Record Start button

|             | Recon                 | Overview bu |       | lick to display the                         | Config dialog box                                                      |
|-------------|-----------------------|-------------|-------|---------------------------------------------|------------------------------------------------------------------------|
| File Logger |                       |             |       |                                             | -                                                                      |
|             | +r∣&∣≖ ₪<br>Evaluatio | on Test1    | Eval  | uation Test2                                |                                                                        |
| - P         | (                     | Config.     | - P   | Config.                                     | <ul> <li>The recording status is<br/>displayed using colors</li> </ul> |
| 5           | Start                 | Stop        | Start | Stop                                        | Green: Recording<br>Yellow: Scanning                                   |
| E           | Evaluatio             | on Test3    | Eval  | luation Test4                               | Red: Error                                                             |
|             | (                     | Config.     | P     | Config.                                     | Clicking once changes                                                  |
|             | Start                 | Stop        | Start | Stop                                        | the displayed color to<br>blue, clicking once                          |
| Ready       |                       |             | S     | TOP 1969/12/3 16:00:00.000 //               | again changes it to gray                                               |
|             |                       |             |       | r stop data acquisi<br>Start or Stop buttor | tion for individual groups,<br>n for the group                         |
|             |                       |             |       | •                                           | rols all groups displayed in blue                                      |

Click the Overview button to display the acquisition status by group.



| Project1 - AddM<br>File View Help | lulti Over¥i | ew        |               | >                            |
|-----------------------------------|--------------|-----------|---------------|------------------------------|
| 0 🚱 🐣 🖇                           | •            |           |               |                              |
| Status                            | Detail       | Data File |               |                              |
| Group                             |              | Condition | Interval[sec] | Start Time                   |
| 01:Evaluation Test1               | /            | Recording | 5.000         | 2003/06/24 17:32:55          |
| 02:Evaluation Test2               |              | Scanning  | 5.000         | 2003/06/24 17:40:42.000[Sche |
| 03:Evaluation Test3               | <u> </u>     | Recording | 5.000         | 2003/06/24 17:32:55          |
| 04:Evaluation Test4               |              | Stop      | 5.000         | Waiting for Con              |
| 05:Group 05                       |              | $\sim$    |               |                              |
| 06:Group 06                       |              |           |               |                              |
| 07:Group 07                       |              |           |               |                              |
| 08:Group 08                       |              |           |               |                              |
| 09:Group 09                       |              |           |               |                              |
| 10:Group 10                       |              |           |               |                              |
| 4                                 |              |           |               | Þ                            |
| teady                             |              |           |               | 2003/06/24 17:34:05.000      |

The recording status is displayed using colors Status displayed in red when an error occurs

|                  | dMulti OverView  |                            |
|------------------|------------------|----------------------------|
| File View Help   |                  |                            |
| 0 📀 🏯            | ?                |                            |
| Status           | Detail Data File |                            |
| Evaluation Test1 |                  | Evaluation Test2           |
|                  | Recording        | Scanning                   |
|                  |                  |                            |
| Evaluation Test3 |                  | Evaluation Test4           |
|                  | Recording        | Stop                       |
|                  |                  |                            |
| teady.           |                  | 2003/06/24 17:33:55.000 // |

IM WX1000-01E

Data is stored by group in the specified folder.

| Default destination fo                                | der Click a folder                           |                     |
|-------------------------------------------------------|----------------------------------------------|---------------------|
| Croject1                                              |                                              | _ 🗆 ×               |
| File Edit View Favorites                              | Tools Help                                   | 19<br>19            |
| ] 🗢 Back 🔹 🔿 👻 🔂 🥘 Se                                 | arch 🖫 Folders 🎯 History   📽 🧏 🗙 ᡢ   🏢 🕇     |                     |
| Address 🔄 Project1                                    |                                              | <b>.</b> ∂⊙         |
|                                                       | Group 01 Group 02 Group 03 Group 0           | ) E                 |
| Project1                                              |                                              |                     |
| Select an item to view its description.               | EventLog20 EventLog20 FileLog20              | 03 MSrvrLog20       |
| See also:<br><u>My Documents</u><br>My Network Places |                                              |                     |
| My Computer                                           | MSrvrLog20 MSrvrLog20 Project1.lpl Project1. | ovw Project1.prj    |
| 🖶 Group 01                                            | Ļ                                            |                     |
| File Edit View Favorites                              | Tools Help                                   |                     |
| 1                                                     | arch 🔒 Folders 🎯 History 🛛 📽 💢 🖄 🗐 🕶         |                     |
| Address Group 01                                      |                                              | ▼ ∂G0               |
| Group 01                                              |                                              |                     |
| Select an item to view its description.               | G01-0005.mld G01-0007.mld                    |                     |
| See also:<br>My Documents                             |                                              |                     |
|                                                       | Se                                           | equence number      |
|                                                       | File name specified in the Config            | guration dialog box |

When scanning is started on AddMulti, the DQLOGGER monitor server screen displays the host name of the PCs on which AddMulti is installed.

#### DAQLOGGER monitor server screen



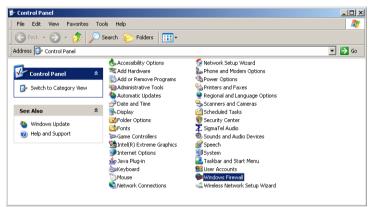
## **Removing the Firewall**

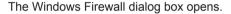
The following is an example of how to add the DAQ32Plus Launcher as a firewall exception.

1. From the Start menu, choose Control Panel.

The control panel window appears.

2. Double-click Windows Firewall.







If the Off option button is selected, click Cancel to close the dialog box.
 If the On option button is selected, clear the Don't allow exceptions check box and click the Exceptions tab.

| 👺 Windows Firewall                                                                                                                                                                                                 | x |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|--|--|--|
| General Exceptions Advanced                                                                                                                                                                                        |   |  |  |  |  |
| Windows Firewall is blocking incoming network connections, except for the<br>programs and services selected below, Adding exceptions allows some programs<br>to work better but might increase your security risk. |   |  |  |  |  |
| Programs and Services:                                                                                                                                                                                             |   |  |  |  |  |
| Name                                                                                                                                                                                                               |   |  |  |  |  |
| DAQEXPLORER Monitor Server                                                                                                                                                                                         |   |  |  |  |  |
| File and Printer Sharing                                                                                                                                                                                           |   |  |  |  |  |
| ☑ Gate mR<br>☑ GateControl                                                                                                                                                                                         |   |  |  |  |  |
| MLMonitorSrvr                                                                                                                                                                                                      |   |  |  |  |  |
| Remote Assistance                                                                                                                                                                                                  |   |  |  |  |  |
| Remote Desktop                                                                                                                                                                                                     |   |  |  |  |  |
| UPnP Framework                                                                                                                                                                                                     |   |  |  |  |  |
|                                                                                                                                                                                                                    |   |  |  |  |  |
|                                                                                                                                                                                                                    |   |  |  |  |  |
|                                                                                                                                                                                                                    |   |  |  |  |  |
| Add Program Add Port Edit Delete                                                                                                                                                                                   |   |  |  |  |  |
| _                                                                                                                                                                                                                  |   |  |  |  |  |
| Display a notification when Windows Firewall blocks a program                                                                                                                                                      |   |  |  |  |  |
| What are the risks of allowing exceptions?                                                                                                                                                                         |   |  |  |  |  |
| what are the tisks of allowing exceptions?                                                                                                                                                                         |   |  |  |  |  |
| OK Cancel                                                                                                                                                                                                          | 1 |  |  |  |  |
|                                                                                                                                                                                                                    | _ |  |  |  |  |

4. Click Add Program.

The Add a Program dialog box opens.



5. Select Launcher for DAQ32Plus and click OK.

| 📴 Windows Firewall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | x |
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| General Exceptions Advanced                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |
| Windows Firewall is blocking coming network connections, except for the<br>programs and services selected below. Adding exceptions allows some programs<br>to work better but might increase your security risk.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |
| Programs and Services:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |
| DAQEXPLORER Monitor Server                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | L |
| File and Printer Sharing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | L |
| ☑ Gate mR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | L |
| GateControl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | L |
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| UPnP Framework                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | L |
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| Add Program Add Port Edit Delete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |
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| What are the risks of allowing exceptions?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |
| OK Cancel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |

**6.** Click the Exceptions tab, check that Launcher for DAQ32Plus has been added, select the Launcher for DAQ32Plus check box, and click OK.