Agilent E5070B/E5071B ENA Series RF Network Analyzers

Connecting Hard Disk of External PC

First Edition

Agilent Technologies

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Agilent Technologies Japan, Ltd.

Component Test PGU-Kobe

1-3-2, Murotani, Nishi-ku, Kobe, Hyogo, 651-2241 Japan

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Sample Program

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Connecting Hard Disk (Shared Folder) of External PC

You can connect a hard disk (a shared folder) of an external PC to the E5070B/E5071B using VBA. Example 1 shows a sample program (VBA program) that demonstrates how to connect a hard disk of an external PC. You can find the source file of this program, named "map_drive.vba", on the sample program disk. This VBA program consists of the following modules:
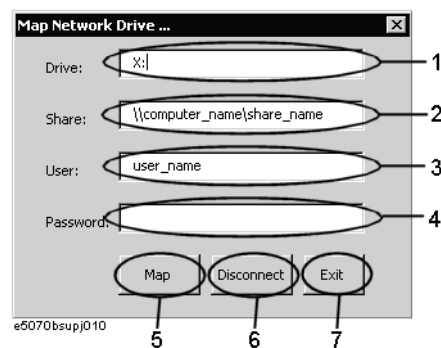
Object name	Module type	Description
frmMapDrive	User form	Connects or disconnects a hard disk.
Module1	Standard module	Displays frmMapDrive.

Using VBA program

Step 1. Load the map_drive.vba and press **[Macro Run]**. The following macro appears.

Figure 1   **Shared folder connection macro**

Step 2. Connecting (Mapping)

Enter the drive letter for the shared folder (1 in Figure 1), the share name of the shared folder (2 in Figure 1), the user name (3 in Figure 1) and the password (4 in Figure 1) in the external PC. And then click the **Map** button (5 in Figure 1).

NOTE   Consult your network administrator and enter the abovesettings in the same way as the Windows 2000® PC. If you enter an incorrect setting, an error occurs and the program is interrupted.

NOTE   If you use the E5070A/E5071A, you must set up the external PC so that the E5070A/E5071A can connect using "E507X" as the user name because the user name is fixed as "E507X". In this case, you don't have to change the user name in the macro (3 in Figure 1) because the user name is ignored.

Disconnecting

Enter the drive letter for the shared folder (1 in Figure 1), and then click the **Disconnect** button (6 in Figure 1).

Step 3. Click the **Exit** button (7 in Figure 1) to exit from the program.

Description of operation in VBA program

The program (object name: frmMapDrive) is described in detail below:

Sub CommandButton1_Click

This procedure is called when the user clicks the **Map** button. This procedure checks if the drive letter is used using the IsDriveNameInUse procedure. And then this procedure connects the shared folder using the MapDrive procedure if the drive letter is not used, or displays a message to show the drive letter is used if the drive letter is used.

Sub CommandButton2_Click

This procedure is called when the user clicks the **Disconnect** button. This procedure disconnects the shared folder using the DisconnectDrive procedure.

Function IsDriveNameInUse

This procedure checks if the txtDrive.Text (the drive letter specified by 1 in Figure 1) is used.

Sub MapDrive

This procedure connects the shared folder as the txtDrive.Text (the drive letter specified by 1 in Figure 1) drive using the parameters: txtShare.Text (the share name specified by 2 in Figure 1), txtUser.Text (the user name specified by 3 in Figure 1), and txtPasswd.Text (the password specified by 4 in Figure 1).

Sub DisconnectDrive

This procedure disconnects the txtDrive.Text (the drive letter specified by 1 in Figure 1) drive.

Sub CommandButton3_Click

This procedure is called when the user clicks the **Exit** button. This procedure ends the program.

Example 1   **Connecting a hard disk of external PC (Object name: frmMapDrive)**

```
Private Sub CommandButton1_Click()
    If Not IsDriveNameInUse Then
         Call MapDrive
    Else
       MsgBox "Drive """ & txtDrive.Text & """ is Already used", vb
Critical
    End If
End Sub

Private Sub CommandButton2_Click()
    Call DisconnectDrive
End Sub

Private Function IsDriveNameInUse() As Boolean
    Set fso = CreateObject("Scripting.FileSystemObject")
    IsDriveNameInUse = fso.DriveExists(txtDrive.Text)
End Function

Private Sub MapDrive()
    Set network = CreateObject("wscript.network")
   Call network.MapNetworkDrive(txtDrive.Text, txtShare.Text, vbFal
se, txtUser. Text, txtPasswd.Text)
End Sub

Private Sub DisconnectDrive()
    Set network = CreateObject("wscript.network")
    network.RemoveNetworkDrive txtDrive.Text
End Sub

Private Sub CommandButton3_Click()
    Unload Me
End Sub
```