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Dear TekTMS customer:

This letter is to inform you of a possible problem with the TekTMS install program.

An error has been discovered in the install program used with TekTMS. The error causes the installation to fail. The install program will look for drive 'D:' during installation of some parts of TekTMS. If it does not find drive 'D:', it will terminate.

The following must be true for the error to occur:

S3FT110 (Runtime Code Generator) is selected for installation

OR

The TekTMS familiarization disks

AND

The system has a single hard disk drive with only one partition (only has a drive C:)

A work around is to create a logical drive 'D:' using the "SUBST" command, as follows:

```
cd \  
to move to the root directory of the 'C:' drive.
```

```
mkdir drived  
to create a directory named "drived" at the root of 'C:'.
```

```
subst d: c:\drived  
to create a logical drive name 'D:' which maps to the directory "drived".
```

Now install TekTMS or the TekTMS familiarization disks.

After the installation of TekTMS or the TekTMS familiarization disks the directory "drived" can be deleted.

```
rmdir drived  
to remove the temporary directory
```

If you follow the procedure listed above, TekTMS will install correctly.



Dear VX4530, VX4535, VX5530 and VX5535 owner,

Enclosed with this letter is a software update to your VXI controllers. This update includes the new version of TekTMS software and support software to run it on your controller. Here is what is included with this update:

Your current VXI controller software	Software included with this update	Additional software you may want to get
TekTMS 1.1	TekTMS 2.0 includes Interactive Procedure Generator (IPG), Run Time Generator (RTG), and GPIB & VXI instrument libraries	
TekVics 1.3	TekVics 3.0 (shell for alias)	
National Instruments GPIB drivers for DOS	National Instruments GPIB drivers revision C.12 for DOS and Windows	
Microsoft Windows 2.11		Microsoft Windows 3.0 ¹ . This is required to run TekTMS and EPConnect software
Microsoft Basic 5.1		Microsoft Basic 7.1 ¹
Microsoft C compiler 5.1		Microsoft C compiler 6.0 ¹ . This is required for TekTMS RTG.
DOS 3.3		DOS 5.0 ²

Notes:

¹ These packages can be updated through Microsoft Corp. at 1-800-426-9400.

² DOS can be upgraded directly from Microsoft. It is also available from your local computer supply store at a lower cost.

If you have any questions or comments, contact your local Tektronix Systems Application Engineer or call 1-800-TEK-4VXI.

Thank you for choosing Tektronix,

John McHugh
Marketing Manager, VXI controllers

Installing the VXI Embedded Controller Software Update Kit

The information in this document gives recommendations for installing the VXI Embedded Controller Software Update Kit on a VX4530, VX4535, VX5530, or VX5535 VXI Embedded Controller. This software update must be completed before TekTMS Version 2.0 will operate correctly on the VXI Controller.

Included in the update are 8 disks:

TekTMS Disks 1 through 4
TEKVICS Version 3.0 Disk1
EPCONNECT Version 3.04 Disks 1 and 2
NI-488 Rev C.12 Disk 1

This software will require approximately 7 megabytes of disk space. If you are replacing the existing versions of this software, the new software requires approximately 1.5 megabytes more disk space than the older versions.

Required Software for TekTMS Version 2.0

For TekTMS to operate correctly on the VXIbus Embedded Controllers and communicate with VXI and GPIB instruments, you must have the following software installed.

EPCONNECT Version 3.04

Allows communications with VXIbus instruments with TekTMS running under Windows 3.0 in Enhanced mode.

NI-488 Rev C.12

Allows communications with GPIB instruments with TekTMS running under Windows 3.0 in Enhanced mode.

If you are using TekTMS/RTG you will also need:

Microsoft C 6.0

Recommended Directory Layout

The software should be installed in the listed directories

D:\TEKTMS TekTMS .exe files
D:\TEKISD TekTMS instrument description files
D:\TEKVICS TekVICS Version 3.0
C:\EPCONNEC RadiSys VXIbus interface software
C:\GPIB-PC DOS GPIB interface software
C:\GPIB-PCW Windows GPIB interface software

In addition, the following support software should be installed in the listed directories.

D:\MSC	Microsoft C 6.0
C:\BASIC	Microsoft Basic 7.1
C:\WINDOWS	Microsoft Windows 3.0
C:\DOS	DOS system files
C:\BIN	DOS tools and utilities

This directory structure assumes 2 equal disk partitions of 20 megabytes each.

Installation Procedure

1. Create a directory EPCONNEC on the C: drive using the following commands:

```
c:  
cd \  
mkdir econnec
```

2. Use the xcopy command to copy the contents of EPCONNECT Version 3.04 Disk 1 into the EPCONNEC directory. Place the disk labeled EPCONNECT Version 3.04 Disk 1 into the floppy disk drive and use the following command:

```
xcopy a:*. * /s
```

3. Use the xcopy command to copy the contents of EPCONNECT Version 3.04 Disk 2 into the EPCONNEC directory. Place the disk labeled EPCONNECT Version 3.04 Disk 1 into the floppy disk drive and use the following command:

```
xcopy a:*. * /s
```

4. Use the install program provided on the NI-488 Rev C.12 disk to install the NI 488 Rev C.12 GPIB interface software. Use the install program to install the DOS and then the Windows versions of the interface drivers. You will run the install program twice, first select install DOS and then select install Windows. Place the disk labeled NI-488 Rev C.12 into the floppy disk drive and use the following commands:

```
a:  
install  
install
```

5. Use the install batch file provided on the TekVICS V3.0 disk to install the new TekVICS directory on drive D:. If you have a TekVICS directory already on the D: drive, delete the contents of the directory and remove the directory from drive D:.

```
a:  
install
```

6. Modify your autoexec.bat file to contain the following information.

```
@echo off
pause
prompt $p$g
path=C:\epconnec;D:\tektms;D:\MSC\bin;D:\MSC\binb;C:\;C:\DOS
;C:\BIN;C:\WINDOWS;
set INCLUDE=D:\MSC\include
set LIB=D:\MSC\lib
set EPCONNECT=C:\epconnec
set TERM=nansi-color-key
set TMP=D:\TMP
set TEMP=D:\TMP
C:\epconnec\cbridge
C:\epconnec\vxibrdg
D:\tekvics\atfbdge
C:\epconnec\surm
```

This is an example only. The directories may be different on your controller. The important information is contained in the ordering of the PATH statement and the order in which the various bridges are loaded. The 'C' 6.0 directories must be reference before the DOS and BIN directories. The CBRIDGE should come before the VXIBRDG. The ATFBDGE should be loaded only if the controller is a VX5530 or VX5530.

7. Modify your config.sys file to contain the following information.

```
break    = on
buffers  = 20
device   = C:\epconnec\BIMGR.SYS
device   = C:\epconnec\WINMEM.SYS /S=1
device   = C:\Windows\HIMEM.SYS
device   = C:\Windows\SMARTDRV.SYS 256
device   = C:\gpib-pc\GPIB.COM
device   = D:\tekvics\ATF.SYS 2
files    = 20
shell    = C:\COMMAND.COM /E:512 /P
stacks   = 0,0
```

This is an example only. The directories may be different on your controller. The important information is contained in the ordering of the devices. The BIMGR.SYS must be loaded before the WINMEM.SYS driver. The WINMEM.SYS expects to fill in tables created by the BIMGR.SYS driver. Load the ATF.SYS driver only if the controller is a VX5530 or VX5535.

8. Read the README files on the EPCONNec and NI-488 disks to finish the installation for Windows 3.0. You must modify the file SYSTEM.INI in the windows directory to work have Windows 3.0 correctly with the VXI interface and the GPIB interface. In the [386Enh] section of SYSTEM.INI include

```
EMMExclude=E000-EFFF
```

This sets aside the 64K section of memory used to gain access from DOS to VME address space from being used by Windows 3.0.

Replace the device statement

```
device=*vdmad
```

with the device statement

```
device=c:\gpiB-pcw\vdmad.386
```

This sets up a different DMA driver for use by both Windows 3.0 and the NI-488 driver.

9. Modify the GPIB.INI file in the windows directory to use the PC2 mode for the GPIB interface. The address is set to 0x2B8 and it uses DMA channel 1. IRQ can be configured to NONE or you may continue to use interrupt 5. You may use either a text editor, such as Notepad, or the Wibconf program supplied with Windows GPIB interface software in the GPIB-PCW directory to make these changes.

10. Install TekTMS Version 2.0. The install program for this product is a Windows application. You must run the install from Windows. The simplest way to do this is to place the TekTMS/IPG Disk 1 in drive A: and type:

```
WIN A:INSTALL
```

You will be prompted for which products to install and where to install them. If you install TekTMS/RTG, the Run Time Generator, you should have already installed Microsoft C 6.0. Refer to the TekTMS installation procedure in the TekTMS/IPG, Interactive Program Generator, users manual for information about which C libraries are required by TekTMS/RTG.