

Read This First



TLA715, TLA721, & TLA7UP Option 16 & 17 Controller Driver Installation

061-4252-00

This document applies to TLA application
software version 4.1.

Warning

The servicing instructions are for use by qualified personnel only. To avoid personal injury, do not perform any servicing unless you are qualified to do so. Refer to all safety summaries prior to performing service.

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Instructions

Some of the TLA715, TLA721, and TLA7UP Option 16 and 17 controllers require new drivers to work with the TLA700 CD for TLA version 4.1.

While booting the logic analyzer after rebuilding the hard disk, after replacing the mainframe controller, or after installing TLA7UP Option 16 or 17, the logic analyzer appears to hang on the Windows 2000 startup screen. To address this problem, you need to load the drivers from the floppy disks that accompany these instructions.

Symptoms Addressed by these Instructions

A change in the stepping of the Intel 815 chip set resulted in a change to the hardware version ID internal to the ICs. The new hardware revision ID causes the Windows 2000 operating system not to boot properly. The video output switches from the Primary Video connector to the Secondary Video connector giving the appearance of a hung system.

Equipment Required

You will need the following items to install the drivers:

- External display monitor
- TLA7UP Options 16 and 17 Driver Installation floppy disks (the disks accompany these instructions)
- These instructions

NOTE. You can download these instructions and the drivers from the Tektronix website at www.tektronix.com/LA.

Driver Installation

Complete the following steps to load the drivers:

1. If you have not already done so, power down the logic analyzer.
2. Connect an external display monitor to the **Secondary Video** output on the logic analyzer.

3. Power on the logic analyzer.

The external monitor will not show anything for a few moments (at least 30 seconds) until video output switches to the external monitor. Depending on whether the mainframe contains any modules, different messages will display indicating a last system error or various PCI-to-VXI Bridge errors.

4. Click OK for any messages that may display.

An Insert Disk dialog box appears prompting you to insert a new disk for the PCI-VXI Bridge.

5. Insert the floppy disk labeled TLA7UP Option 16 & 17 Driver Upgrade, Silicon Motion & PCI-VXI Drivers and then click OK.

6. Click Browse in the Files Needed dialog box and locate the PCI-VXI Bridge folder on the floppy disk.

7. Open the folder and click Open to open the vbd.sys file; this file should already be selected in the dialog box.

8. Click OK to copy the files from A:\PCI-VXI Bridge.

A new Found New Hardware Wizard appears that looks for the Silicon Motion Lynx3DM driver (this is the primary display system in the logic analyzer).

9. Click Next >.

10. Select “Display a list of the known drivers for this device so that I can choose a specific driver” and then click Next >.

11. Click Browse and open the Lynx3DM Video folder on the floppy disk.

12. Click Open to open the SMISSETUP.INF file.

13. Click OK to copy the files.

14. Click Next > in each of the next two windows.

15. Ignore the Digital Signature Not Found dialog box and Click Yes to continue.

16. Click Finish to install the driver.

17. When the next New Hardware Found wizard prompts you for drivers for a PCI device, click Cancel.

18. Shut down the logic analyzer.

19. After the logic analyzer shuts down, remove the floppy disk.

20. Connect the external monitor to the **Primary Video** connector of the logic analyzer.
21. Power on the logic analyzer.
22. Cancel the New Hardware Found wizard that displays during the boot process.
23. Acknowledge any prompts that appear and then exit the TLA application.
24. Use Windows Explorer to create a temporary folder on the desktop.
25. Insert the floppy disk labeled TLA7UP Option 16 & 17 Driver Upgrade, 815chipset Driver into the floppy disk drive.
26. Copy the 815chipset.exe file from the floppy disk to the temporary folder that you just created in step 24.
27. From the temporary folder, double-click the 815chipset.exe file.
28. Click Unzip to unzip the files to the current folder. Then click Ok and close the dialog box.
29. Double-click on the setup.exe file to load the last set of needed drivers.
30. Click Next > and then view the software license agreement.
31. Click OK to accept the software license agreement.
32. View the ReadMe file and then click Next >.
33. When prompted to restart the computer, select No.
34. Click Finish to finish the installation.
35. From the Start menu, select Settings → Control Panel.
36. In the Control Panel, select the System Properties dialog box.
37. Select the Hardware tab and then click Device Manager.
38. In the Device Manager, verify that none of the listed functions show yellow exclamation points indicating problems with some of the mainframe controller's hardware functions.

NOTE. *If any problems appear, try reinstalling the drivers.*

39. If no problems are found close the Device Manager and the System Properties dialog box.

40. Remove the floppy disk and restart the logic analyzer (disconnect the external monitor if you do not need it for your applications).
41. Verify that the logic analyzer boots without any problems.

This completes the installation procedure.

When to Reload the Drivers

You must reload the drivers under the following conditions:

- When rebuilding the hard disk image from the EasyRestore CD
- When repairing a mainframe by installing a new TLA715 or TLA721 controller and using the existing hard disk drive and/or TLA version 4.1 of the EasyRestore CD
- Upgrading mainframes from a TLA714 to TLA715 or TLA720 to a TLA721 using TLA7UP Option 16 or 17