

Quick Install Guide – TCR500-PCI

1. Verify your package contents



- TCR500-PCI Time Code Reader PCI card
- TCR Installation & Software CD

CD Contents:

Masterclock, Inc. provides the following on the Installation & Software CD, which ships with the TCR card.

- User Manual, Installation Guide, Troubleshooting Guide
- Card drivers for the following operating systems: Windows 2000/XP/NT/ME/98/95

TCRInstaller Application

[Typical Installation –required in order to synchronize time in PC/Workstation/Server to time code input signal]

- Time Code Viewer – A time code display/diagnostic utility.
- TCRSync Configuration Utility
- TCRSync Monitor
- TCRSync-Professional – An advanced time synchronization software package providing time zone offset capabilities, automatic daylight savings time handling, unobtrusive background operation functionality, and many other high-end features.

[Custom Installation Option for programmers/developers]

- An “ SDK” (software development kit – libs,source code, sample MSVC++ and MSVisual Basic code, & documentation) for developers.

2. Verify that you have administrator privilege on the machine you are installing to [Windows 2000/XP/NT].

3. Install the hardware



WARNING! The TCR500-PCI is a static sensitive device, which can be damaged by ESD. Observe the proper precautions for handling static sensitive devices. Damage sustained to the TCR500-PCI due to ESD or mishandling is not covered under warranty.

- Shut down the computer and remove power.
- Select the jumper setting [J1] to match your time code source.
 - ✓ OFF [No Jumper] - SMPTE
 - ✓ ON [Jumper] - IRIG-B1
- Insert the TCR500-PCI into an available PCI bus slot.
- Apply power and Reboot the computer.
- Proceed to the next section for installing the TCR500- PCI drivers for Windows.

NOTE: Install the TCR500-PCI card into the PCI slot before installing any drivers. The TCR500-PCI is fully plug and play compatible. Windows OS's [With the exception of NT]) will detect this card on the next system boot, automatically configure the appropriate I/O port and interrupt settings, then prompt for the driver.

4. Install the drivers



Windows 2000/XP

- Insert the TCR Installer CD into your CD drive.
- *Browse* to the CD drive where your driver CD is inserted, then to the “drivers\TCR500\Win2000” folder.
- Windows 2000/XP will autoloading the drivers; it is not necessary to restart your system.
- The driver installation process is complete.



Windows NT (3.51/4.0 SP6)

- Insert the TCR Installer CD into your CD drive.
- Using File Manager or the Windows Explorer, browse to the root directory of the CD drive.
- Run the TCRInstaller.exe application.
- Follow the on-screen instructions and prompts provided by the install program.
- Follow any prompts to restart your computer.
- The driver installation process is complete.
- Note that the driver installation will place a configuration applet into the Windows NT control panel. This applet can be used to change driver configuration parameters later, if necessary, without re-installing the driver.



Windows ME

- When the *Add New Hardware Wizard* appears, insert the TCR Installation & Software CD into your CD drive.



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- Select the option *Automatically Search for a better driver (Recommended)*, then select *Next*.
- Windows Me will scan your CD drive, and will also spend several minutes scanning the Windows system folder. Please allow this process to complete uninterrupted. When scanning is completed, Windows will copy the driver from the diskette onto the computer. Select *Finish* to complete the process.
- Follow any prompts to restart your computer.
- The driver installation process is complete.



Windows 98/98SE

- When the *Add New Hardware Wizard* appears, insert the TCR Installation & Software CD into your CD drive.
- Select *Next*, choose the option *Search for the best driver for your device (Recommended)*, then select the *Next* button again.
- Check the *Specify a location* option, then select the *Browse* button.
- Browse to the CD drive where your TCR Installation & Software CD is inserted, then to the “drivers\TCR500\Win9x” folder. Select *OK*, then select *Next*.
- Windows will indicate that it has found an appropriate driver for your TCR500-PCI card. Select *Next*.
- If at this point Windows indicates that it cannot find the file ‘vtcrd.vxd’, select the *Browse* button and browse to the “drivers\TCR500\Win9x” folder. Select *OK*, then *OK* a second time. Select *Finish*.
- Follow any prompts to restart your computer.
- The driver installation process is complete.



Windows 95

- When the *Update Device Driver Wizard* appears, insert the TCR Installation & Software CD into the CD drive.
- Select *Next*, then select the *Other Locations* button and browse to the CD drive, then to the “drivers\TCR500\Win9x” folder
- Windows will indicate that it has found an updated driver for your TCR. If at this point Windows indicates that it cannot find the file ‘vtcrd.vxd’, select *Browse* and browse to the CD drive where your driver CD is inserted, then to the “drivers\TCR500\Win9x” folder.
- Follow any prompts to restart your computer.
- The driver installation process is complete.

5. Install the software



Windows [2000/XP/NT/ME/98SE/98/95]

- Run “TCRInstaller.exe” from the CD [root directory] to install the TCR500-PCI software tools/sync programs.
- NOTE: The TCRInstaller application may autostart when you insert the CD.
- Select your desired type of installation. (Typical/Custom)

6. Set the configuration

- Connect your time code source, and configure your time code source input using the TCR Sync Configuration utility.
- Reboot your computer at this time.
- Refer to the User’s Manual for additional information regarding configuring and using software tools.