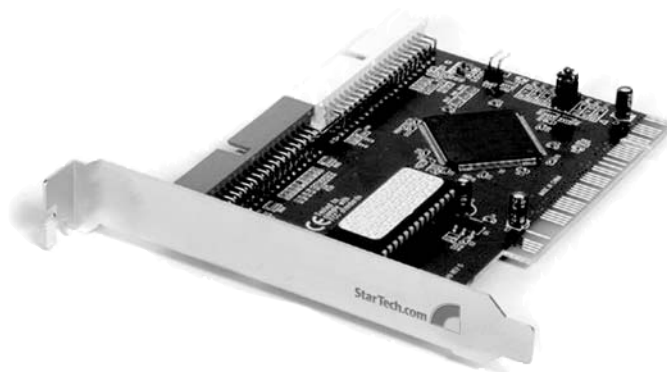


IDE CARD

**2 Channel Ultra ATA/133
PCI RAID Controller Card (0, 1, 0+1)**

Instruction Manual

PCIIDE100R



Actual product may vary from photo

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Thank you for purchasing a StarTech.com two channel Ultra ATA/133 PCI RAID card. Using up to four inexpensive IDE drives, you can provide RAID speed and fault-tolerance to your PC workstation or small server. This Plug and Play compatible RAID controller card allows you to mirror an IDE drive to another for extra security, stripe two or more drives together for higher performance, or mirror a stripe set to another hard drive for added speed and security.

Features

- Capable of increasing the speed of a PC or server by spreading workload over two or more drives through striping (RAID 0)
- Capable of improving fault tolerance by writing the same data to two drives in case of drive failure through mirroring (RAID 1)
- Capable of increasing both speed and fault tolerance through mirroring a striped set over four drives (RAID 0+1)
- Saves money by allowing you to use IDE drives instead of more expensive SCSI
- Provides two independent Ultra ATA channels with 128 Byte buffers that can support a total of four Ultra ATA/133 (or older) drives
- Supports ATAPI devices like CD-ROM, CD-RW, DVD-ROM, or Zip drives
- Supports Ultra and Multi-Word DMA timing modes and CRC protection/verification
- Backed by StarTech.com's lifetime warranty

BIOS Features

- Provides menu-driven interface for configuring RAID volumes
- Automatically detects and configures drive type
- Automatically detects and supports Ultra Mode (ATA/EIDE) transfers
- Supports hard drives with capacities up to 128GB

Before You Begin

To ensure a quick and easy card installation, please read through this section carefully before attempting to install the card.

System Requirements

- An IBM PC or server running Windows 95/98/Me/2000/XP, or NT 4.0
- An open PCI slot

WARNING! PCI cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your PCI card. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also be careful to handle the PCI card by its edges and not the gold connectors.

Contents

This package should contain:

- 1 x PCI Ultra ATA/133 IDE RAID card
- 1 x driver disk
- 1 x 80 conductor Ultra ATA/133 IDE cable

Installation

This section will guide you through the installation of your PCI card and the related software. Please read through the instructions carefully and complete each step in the order listed.

Installing the Card

NOTE: If you are installing new drives at the same time you are installing the PCI RAID controller card, StarTech.com recommends first installing the RAID card and its drivers, then rebooting your computer, then installing the drives as instructed in the drive manufacturer's user guides.

1. Make sure that your system is unplugged and you are grounded.
2. Remove the cover of your system (see your computer's user manual for details, if necessary) and gently turn your computer onto its side.
3. Locate an empty PCI slot (usually white in colour) and remove the metal plate that covers the rear bracket. You may need a Phillips screwdriver to perform this step. **Hang on to the screw!** You will need it to secure the card later.
4. Gently insert the card into the empty slot, making sure it is firmly seated.
5. Secure the card in place using the screw you removed in Step 3.
6. Attach the **blue** connector of the IDE ribbon to either the primary or secondary slot on the card, making sure that the red stripe is on Pin 1. (The connectors are formed so that it is very difficult to attach them in an incorrect manner.)
7. Plug the **black** (master) and **gray** (slave) connectors to the drives as directed by your drive manufacturer.

NOTE: StarTech.com offers a range of IDE cables to suit your needs. Visit our website at <http://www.startech.com> and click on the "Cables & Wiring" tab for more information.

8. If applicable, attach your LED connector to the **J3** jumpers on the card. Since there is only one set of LED jumper pins, the LED will be lit if there is hard drive activity on any of drives connected to either channel.
9. As an option, you can set the **JP7** and **JP6** jumpers to control which IDE drives are enabled. Set the jumper by covering the following jumper pins:

JP7	JP6	Result
1-2	1-2	IDE1 enabled, IDE2 disabled
1-2	2-3	Both enabled
2-3	1-2	Both disabled
2-3	2-3	IDE1 disabled, IDE2 enabled

10. Put the computer case back on.

Installing the Drivers

NOTE: Depending on your OS and the configuration of your system, the instructions below might not be identical to what you see on your screen.

Windows 2000/XP

1. Windows 2000 will automatically detect the new hardware. Click **Yes** to continue.
2. Insert your driver disk into the disk drive. Select “Search for a suitable driver for this device (Recommended)” and click **Next**.
3. Browse to the location of your driver disk. When Windows has found the driver click **Next**.
4. Click **Finish** to complete the installation.
5. Install the RAID software according to the instructions on page 6.

Windows 95/98/Me

1. Windows will automatically detect the new hardware. Click **Next** to continue.
2. Insert your driver disk and select “Specify a location.”
3. Browse to the location of your driver disk and open the CMD649RAID folder. Open the **Win9X** or **WinME** folder and click **Next**.
4. When Windows is finished installing the drivers, click **Finish**.
5. Install the RAID software according to the instructions on page 6.

Installing the RAID Software

1. Make sure that the driver CD is inserted in your CD drive.
2. Double-click on your computer's CD icon.
3. Open the **Medley RAID Software** folder and click on the InstallMedley.exe file to begin the installation.
4. Follow the onscreen prompts to complete the installation.

NOTE: Do not install Medley in the Start Up folder. Choose the default folder instead.

Using the RAID Software

For instructions on how to set up and use your RAID sets, consult the CMD Medley user guide that accompanies the software. The manual is located in the **Medley RAID Software** folder and is in PDF format. To view this user guide, you will need a copy of **Adobe Acrobat Reader**, which can be downloaded free of charge from the Adobe website at www.adobe.com. Follow the instructions provided by Adobe to download and use your version of Acrobat Reader.

Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit www.startech.com/support and access our comprehensive selection of online tools, documentation, and downloads.

Warranty Information

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