

**TARGUS**  
Essential Accessories for Mobile Computing

NOTEWORTHY®

# DVD-ROM



## **Warning!**

All rights reserved. The products named in this manual are only used for identification purposes and may be trademarks or registered trademarks of the respective companies. This device was designed for home or office use.

**Warning!** This device is equipment according to EN55022 class A. This equipment can cause radio disturbances in a residential area. If this is the case, the user has to take appropriate measures and assume all responsibility and costs. It may not be used near or with any life-sustaining systems.

The manufacturer is not liable for any damages that may occur from the use of a TARGUS Noteworthy DVD-ROM system. All rights reserved. We reserve the right to make changes as technology requires.



### **FEDERAL COMMUNICATIONS COMMISSION - DECLARATION OF CONFORMITY**

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, and RS 210 Regulations (Canada). These limits are designed to provide reasonable protection against harmful interference in a residential area. 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 running 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 separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio technician for help.

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## **System Requirements:**

### ***Hardware Requirements***

- 486DX PC or higher
- 8 MB RAM or higher, depending on the operating system
- floppy disk drive and a hard disk
- PCMCIA Card interface (type II or higher)

### ***Operating System Requirements***

- DOS
- Windows 95/98/ME
- Windows 2000
- Windows XP
- Windows NT 4.0 (DVD Movie Playback is not possible under the NT operating system)

### ***Media Formats***

The TARGUS Noteworthy DVD-ROM reads formats according following CD and/or DVD-ROM standards:

- MS-DOS data CD's (High Sierra, Mode 1 & Mode 2 complying with ISO 9660)
- Data – CD's (Joliet)
- CD ROM XA
- Mixed Mode CD's
- Kodak Photo CD's (single and multisession)
- UDF (Universal Disc Format)
- Audio CD's
- DVD-ROM
- DVD-R, CDI, CD-Midi, CD-R, CD-RW

## Contents

The contents of the TARGUS Noteworthy DVD-ROM includes:

- TARGUS Noteworthy DVD-ROM drive
- a manual
- PC Card connection cable
- Drive disk

## Safety measures and operating hints

- The tray of the media can be opened in the following modes:
  - You can use the eject button when the notebook is powered on and the drive is connected.
  - If the drive is disconnected or the notebook is powered off, you can use the emergency eject button to eject a disk.
- The TARGUS Noteworthy DVD can be operated in either upright or horizontal state. It should not be moved during operation.
- Storage drives should not be used in extreme temperatures conditions. The environment specifications while operating are 50-113°F (10-45°C).
- After transporting the device, especially in low temperatures, allow the TARGUS Noteworthy DVD unit to reach room temperature before operating.
- The TARGUS Noteworthy DVD should not be used in dusty or humid surroundings.
- There may be a delay while the drive is spinning up before you can play an audio DVD or read a data DVD.

### Safety:

- **Never attempt to disassemble, adjust or repair the DVD-ROM drive as exposure to laser light or other safety hazards may result.**
- **This is a Class 1 Laser Product. This product complies with all applicable safety standards, DHHS Rules 21 CFR Chapter 1, Subchapter J. The laser beam generated is totally enclosed during all modes of normal operation, and no hazardous laser light is emitted from the drive.**

## CHAPTER 1: Hardware installation

1. Turn off the computer and all attached components.
2. Connect the cable to the drive.
4. Plug the PC Card Cable into any PC Card slot of your computer.
6. Turn on your computer again.
7. You can now begin installing the software.



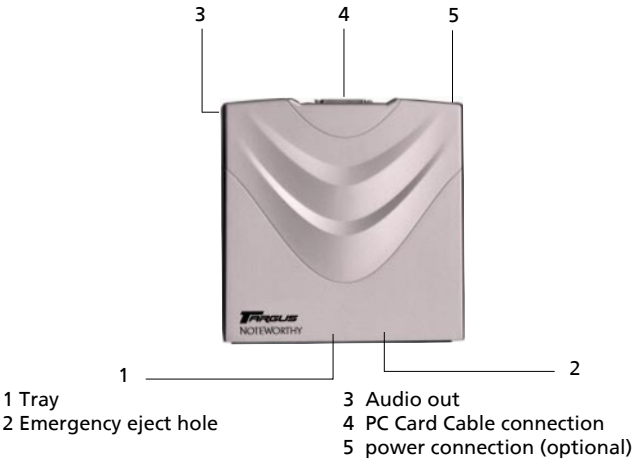
### ***"Plug&Play" with the PC Card Cable for Windows 95 / 98 / ME / 2000 / XP***

The TARGUS PC Card Cable is Plug & Play compatible. This means that in Windows 95, 98, ME, 2000 and XP, the card can be inserted while the computer is powered on.

To remove the card, while the computer is powered on, first stop the PC Card using the PC Card (PCMCIA) icon.

In Windows NT 4.0 the card must be inserted before the computer is powered on.

## CHAPTER 2: Device description



### ***Please note the following important details:***

#### **1. Power supply from the Notebook via PC Card:**

The TARGUS Noteworthy DVD-ROM will only receive power from the notebook's PC Card slot (2). The notebook PC Card slot also needs to be in full compliance with the PC Card specifications and supply a minimum of 5V/1A of power.

An optional AC Adapter is available through TARGUS online sales.

#### **2. Playing Audio-CDs**

You can play audio DVDs on your TARGUS Noteworthy DVD-ROM by using the DVD Player application in Windows. To hear the audio you need to connect either headphones to the Audio OUT jack on the TARGUS Noteworthy DVD-ROM or an audio cable from the DVD-ROM to the Line In of your notebook.

#### **3. Emergency eject**

If you need to remove a disc when there is no power to the drive, you can unlock the tray by inserting a bent-open paper clip, or a similar pointed object, into the emergency eject hole until you feel resistance (a light touch does it). When you remove the paper clip, the tray can be opened manually.

## CHAPTER 3: Driver installation

Depending on your mode of operation for the drive you can install this DVD using standard Windows drivers or install the included TARGUS High Speed drivers for Windows 95/98/ME/2000/XP. We recommend installing the performance drivers for playing DVD Movies and other DVD Video applications. Skip to the Performance Driver Installation section to continue.

### **3.1 Driver installation under Windows 95**

No special software is required to install your TARGUS PC Card Cable. We however recommend using the driver on diskette that we have enclosed. This has been specially developed and is faster than the Standard Windows driver.

#### **TARGUS High Speed driver (recommended)**

*Note: If you are not prompted to install the driver, Windows will install the default driver automatically. Proceed then as described in the section on later installation of the TARGUS High Speed driver.*

To install the driver, insert the TARGUS installation diskette in your PC drive.

1. Plug the TARGUS PC Card Cable into the PCMCIA slot of your PC.
2. The window "Update Device Driver Wizard" opens. The TARGUS PC Card Cable is recognized as "Standard IDE/ESDI Hard Disk Controller".  
Confirm with "Next" to continue the installation.
3. The driver is found in the next window. Confirm with "Finish".
4. The driver is installed from the disk.
5. After restart your TARGUS drive appears under „My Computer“ with a new drive letter.

#### **Uninstalling the TARGUS High Speed driver**

To uninstall the TARGUS High Speed driver, select the file "DriverRemove.exe" on the installation diskette and follow the on-screen instructions.



## **Windows 95 Default Driver**

No special software is required to install your TARGUS PC Card Cable.

1. Plug the TARGUS PC Card Cable into the PCMCIA slot of your PC.
2. The window "Update Device Driver Wizard" opens. The TARGUS PC Card Cable is recognized as "Standard IDE/ESDI Hard Disk Controller". Confirm with "Next" to continue the installation.
3. The driver is found in the next window. To install the Windows default driver, click "Finish".
4. To finish installing the driver, Windows asks you to restart your computer. After restart your TARGUS drive appears under "My Computer" with a new drive letter.

## **Later Installation of the TARGUS High Speed driver**

*Note: If you are not prompted to install the driver, your system has automatically installed the Windows default driver for your TARGUS PC Card Cable.*

To install the TARGUS High Speed driver, proceed as follows:

1. Plug the TARGUS PC Card Cable into the PCMCIA slot of your PC.
2. Open the "Device Manager" by right-clicking on the "My Computer" icon. A menu opens. Select "Properties" and click on the "Device Manager" tab.
3. Click on the "+" next to the entry "Hard disk controllers".
4. Double-click on "Standard IDE/ESDI Hard Disk Controller".
5. Open the "Driver" tab. Then click on "Update Driver".
6. The "Update Device Driver Wizard" opens. The default is selected for searching a better driver than the currently used (Recommended). Confirm with "Next".
7. Windows automatically detects and installs the TARGUS High Speed driver from diskette.
8. After completion of the installation, click on "Finish". The TARGUS High Speed driver is now installed.

### **3.2 Driver installation under Windows 98**

No special software is required to install your TARGUS PC Card Cable. We however recommend using the driver on diskette that we have enclosed. This has been specially developed and is faster than the Standard Windows driver.

#### ***TARGUS High Speed driver (recommended)***

*Note: If you are not prompted to install the driver, Windows will install the default driver automatically. Proceed then as described in the section on later installation of the TARGUS High Speed driver.*

To install the driver, insert the TARGUS installation diskette in your PC drive.

1. Plug the TARGUS PC Card Cable into the PCMCIA slot of your PC.
2. The window "Hardware Installation Wizard" opens. The TARGUS PC Card Cable is recognized as "Standard IDE/ESDI Hard Disk Controller".
3. In the next window the option for finding the best driver for the device has been selected. Confirm with "Next".
4. In the next window select the floppy drive to install the driver. Click on "Next".
5. The driver is loaded from the diskette. Click on "Next" to continue the installation.
6. In the next window click on "Next" to confirm the installation.
7. After completion of the installation, click on "Finish". Your TARGUS drive appears with a new drive letter under "My Computer". The installation is then complete.

## Windows 98 Default Driver

No driver software is required to install the Windows default driver.

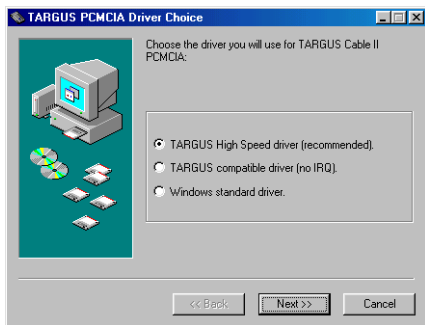
1. Plug the TARGUS PC Card Cable into the PCMCIA slot of your PC.
2. The window "Hardware Installation Wizard" opens. Your TARGUS PC Card Cable is recognized as "Standard IDE/ESDI Hard Disk Controller". Confirm with "Next" to continue the installation.
3. In the next window the option for finding the best driver for the device has been selected. Confirm with "Next".
4. In the next window uncheck all checkboxes and click "Next".
5. In the next window a search is performed for the new driver. Click on "Next" to install the Windows default driver.
6. In the next window, click on "Finish" to conclude the driver installation. Your drive now appears with a new drive letter under "My Computer".

## Later Installation of the TARGUS High Speed driver

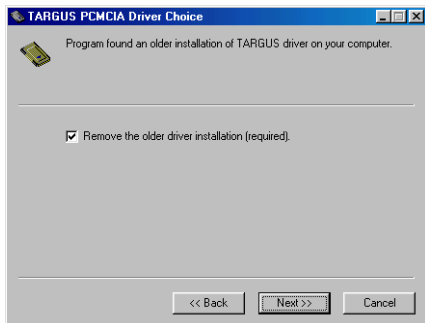
*Note: For further information on the "Driver Choice" options please refer to "Readme.txt" on the installation diskette.*

To install the driver, insert the TARGUS installation diskette in your PC drive.

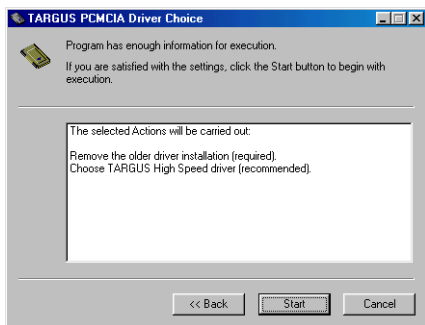
1. Execute the "DriverChoice.exe" program, which is located on the driver disk.
2. Select the TARGUS High Speed driver and click "Next".



- The next window will query whether you wish to remove the old driver. Leave the check box selected and click "Next".



- Now all settings that you have specified are displayed. Click "Start" to install the driver.



- Remove the disk from the disk drive and reboot the computer.
- After the reboot, a new hardware item is recognised. Insert the disk in the drive again and follow the instructions as described in the section "TARGUS High Speed driver", starting with step 2. Your TARGUS PC Card Cable will be recognised as "FREECOM\_PCCARD\_IDE".

### **Uninstalling the TARGUS High Speed driver**

To uninstall the TARGUS High Speed driver, select the file "DriverRemove.exe" on the installation diskette and follow the on-screen instructions.

### **3.3 Driver installation under Windows ME**

No special software is required to install your TARGUS PC Card Cable. We however recommend using the driver on diskette that we have enclosed. This has been specially developed and is faster than the Windows driver.

#### **TARGUS High Speed driver (recommended)**

*Note: If you are not prompted to install the driver, Windows will install the default driver automatically. Proceed then as described in the section on later installation of the TARGUS High Speed driver.*

To install the driver, insert the TARGUS installation diskette in your PC drive.

1. Plug the TARGUS PC Card Cable into the PCMCIA slot of your PC.
2. The window "Hardware Installation Wizard" opens. The TARGUS PC Card Cable is recognized as "Standard IDE/ESDI Hard Disk Controller".
3. Windows ME automatically detects and installs the TARGUS High Speed driver from diskette.
4. After completion of the installation, click on "Finish". Your TARGUS drive appears with a new drive letter under "My Computer". The installation is then complete.

#### **Windows ME Default Driver**

No driver software is required to install the Windows default driver.

1. Plug the TARGUS PC Card Cable into the PCMCIA slot of your PC.
2. The window "Hardware Installation Wizard" opens. Your TARGUS PC Card Cable is recognized as "Standard IDE/ESDI Hard Disk Controller". The option for finding the best driver has been selected (Recommended). Confirm with "Next".
3. The Windows ME Default Driver is installed automatically.
4. In the next window, click on "Finish" to conclude the driver installation. Your TARGUS drive now appears with a new drive letter under "My Computer".

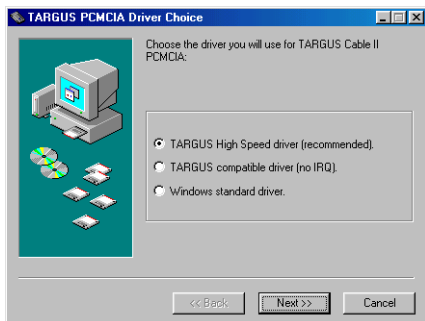
## Later Installation of the TARGUS High Speed driver

*Note: If you are not prompted to install the driver, your system has automatically installed the Windows default driver for your TARGUS PC Card Cable.*

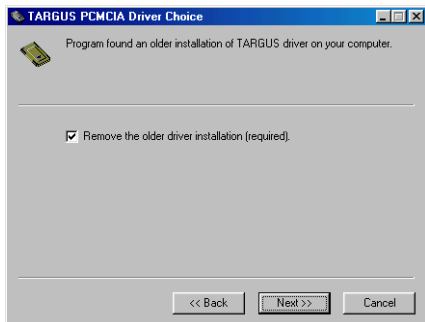
*Note: For further information on the "Driver Choice" options please refer to "Readme.txt" on the installation diskette.*

To install the driver, insert the TARGUS installation diskette in your PC drive.

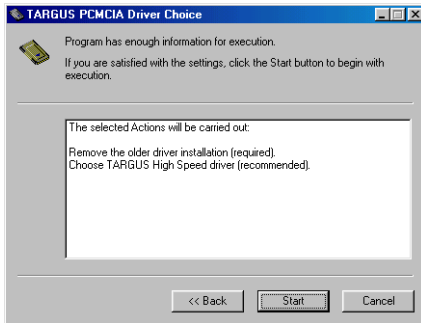
1. Execute the "DriverChoice.exe" program, which is located on the driver disk.
2. Select the TARGUS High Speed driver and click "Next".



3. The next window will query whether you wish to remove the old driver. Leave the check box selected and click "Next".



4. Now all settings that you have specified are displayed. Click "Start" to install the driver.



5. Remove the disk from the disk drive and reboot the computer.
6. After the reboot, a new hardware item is recognised. Insert the disk in the drive again and follow the instructions as described in the section "TARGUS High Speed driver", starting with step 2. Your TARGUS PC Card Cable will be recognised as "FREECOM\_PCCARD\_IDE".

### ***Uninstalling the TARGUS High Speed driver***

To uninstall the TARGUS High Speed driver, select the file "DriverRemove.exe" on the installation diskette and follow the on-screen instructions.

### ***Assigning the drive letter under Windows 95/98/ME***

After successfully completing the installation of the TARGUS Noteworthy drive, a new drive letter is assigned automatically (the first available letter after the internal hard drives). This can shift the drive letter of an internal CD-ROM drive (for example, 'D' to 'E'). If this leads to problems, it is possible to change the drive letter assignment as follows:

1. Click on "Start" - "Settings" - "Control Panel".
2. Click on "System".
3. Select "Device Manager" and click on "CD-ROM" or "Drive".
4. Click on the DVD Drive listed (such as QSI DVD), then on "Properties" - "Settings". (The currently assigned drive letter as well as the reserved drive letters will then be displayed.)

5. Under "Reserved Drive Letter" enter a drive letter, for example "F" for the TARGUS Noteworthy device as the "First drive letter" and "F" again as the "Last drive letter".
6. Confirm your selection with "OK". When you restart your computer, the TARGUS Noteworthy drive will be assigned the letter "F" in "My Computer".

### 3.4 Driver installation under Windows 2000 / XP

No special software is required to install your TARGUS PC Card Cable. We however recommend using the driver on diskette that we have enclosed. This has been specially developed and is faster than the Windows driver.

#### **TARGUS High Speed driver (recommended)**

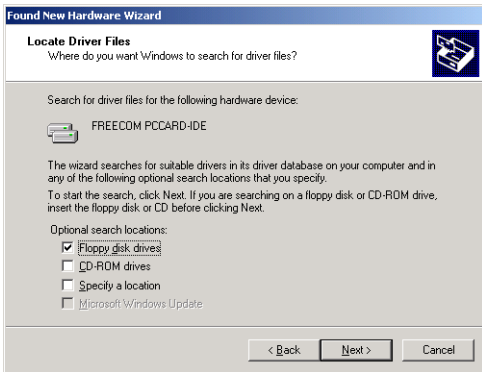
*Note: If you are not prompted to install the driver, Windows will install the default driver automatically. Proceed then as described on page 14 in the section on later installations of the TARGUS High Speed driver.*

1. To install the driver, insert the TARGUS installation diskette in your PC drive.
2. Plug the TARGUS PC Card Cable into the PCMCIA slot of your PC.
3. The window "Hardware Installation Wizard" opens. The TARGUS PC Card Cable is recognized as "PCMCIA IDE / ATAPI Controller".  
(only Windows 2000: Confirm with "Next".)
4. In the next window, the default option for finding a suitable driver for the device is selected. Confirm with "Next".





- (only Windows 2000) Select the floppy drive to install the driver. Click on "Next".



- (only Windows 2000) The driver is loaded from the diskette. Click on "Next" to install the driver.
- If a message appears that no digital signature from Microsoft Windows has been found, confirm with "Yes".
- Confirm completion of the software installation in the window that opens by clicking on "Finish". Your TARGUS Noteworthy drive now appears with a new drive letter under "My Computer". The installation is then complete.

### **Windows 2000 / Windows XP Default Driver**

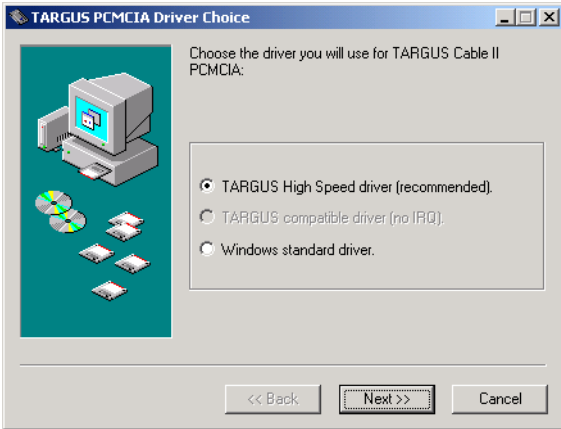
No driver software is required to install the Windows default driver.

- Plug the TARGUS PC Card Cable into the PCMCIA slot of your PC.
- Windows recognizes your TARGUS PC Card Cable as "PCMCIA IDE/ATAPI Controller" and installs the necessary driver without prompting.
- After completion of the installation your TARGUS Noteworthy drive appears with a new drive letter under "My Computer". The installation is then complete.

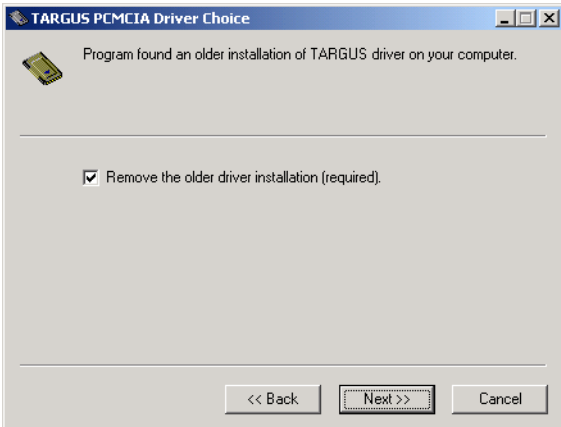
## Later Installation of the TARGUS High Speed driver

To install the driver, insert the TARGUS installation diskette in your PC drive.

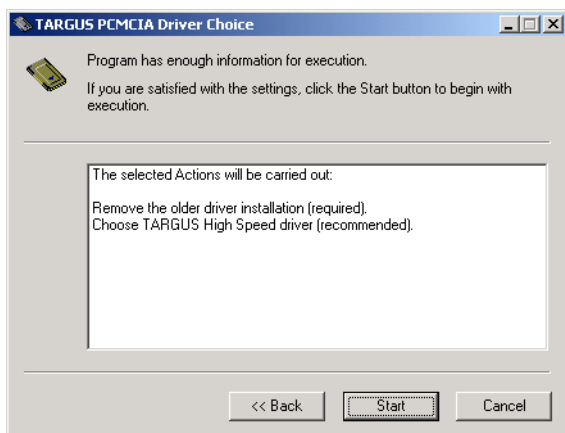
1. Execute the "DriverChoice.exe" program, which is located on the driver disk.
2. Select the TARGUS High Speed driver and click "Next".



3. The next window will query whether you wish to remove the old driver. Leave the check box selected and click "Next".



- Now all settings that you have specified are displayed. Click "Start" to install the driver.



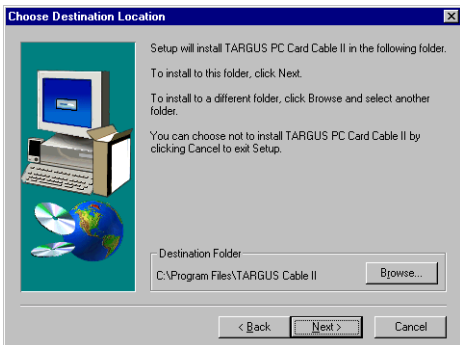
- Remove the disk from the disk drive and reboot the computer.
- After the reboot, a new hardware item is recognised. Insert the disk in the drive again and follow the instructions as described in the section "TARGUS High Speed driver", starting with step 2. Your TARGUS PC Card Cable will be recognised as "FRECOM\_PCCARD\_IDE".

### ***Uninstalling the TARGUS High Speed driver***

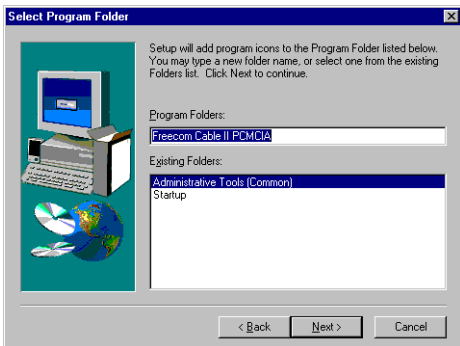
To uninstall the TARGUS High Speed driver, select the file "DriverRemove.exe" on the installation diskette and follow the on-screen instructions.

## 3.5 Driver installation under Windows NT 4.0

1. Insert the "TARGUS installation diskette" for Windows NT 4.0 operating system into your standard floppy drive.
2. Click "Start", "Run" and type "a:\setup.exe" (Example for disk).
3. When you have accepted the agreement, a new window will appear. The set-up programme suggests "C:\Program files\TARGUS Cable II" as the standard default directory. (If you wish to copy the files into another directory, click "Browse" and enter the path name.) Confirm the chosen folder with "Continue".



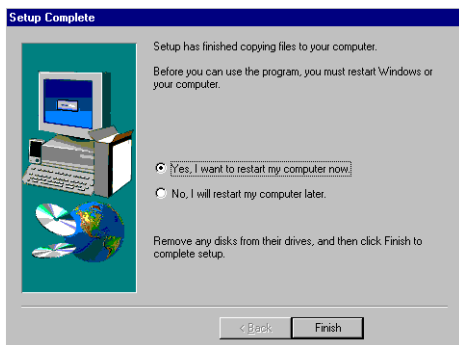
4. The set-up programme then suggests the entry "Cable II PCMCIA" as standard in the start menu of the programme folder. (You also have the possibility to create your own folder.) Confirm the chosen entry with "Continue" and the files will then be installed onto your computer.



5. The set-up wizard will inform you of the installation process. Follow the on-screen instructions.

After you restart your computer, your TARGUS Noteworthy drive will appear with a new drive letter under "My Computer".

*Note: Don't forget to remove the TARGUS installation disk before restarting your computer.*



The installation is now complete.

### **3.6 Driver installation under DOS / Windows 3.x**

The installation under DOS/Windows 3.x is menu-driven to make it as easy as possible to integrate the TARGUS Noteworthy device into your system. You can select the various menu items with the cursor keys and confirm your selection with [ENTER].

#### **Installation sequence:**

1. Exit Windows or other software such as the Norton Commander.
2. Insert the driver disk into your disk drive and change to this drive by entering either A: [ENTER] (Example for disk). Start the installation from the DOS prompt by entering: FCINST [ENTER].
3. Select the language in which the installation is to be performed.
4. Select the type of connection used and the device.

5. You can now decide if you want to the installation to proceed automatically whereby the installation program specifies the path and modifies your computer's startup files (Please refer to point 10 of these instructions). However, if you want to modify the settings, select "user-defined." Please observe the further instructions in these instructions.
6. Read the following information screen and confirm with the Enter key.
7. If you wish to select a different path, you can specify in which directory the TARGUS software is to be installed. Please enter the complete path name including the drive letter! If the directory does not yet exist, it will be created.
8. The files will now be copied to the directory you specified.
9. After the files have been copied, you will have the opportunity to modify the startup files of your computer (CONFIG.SYS, AUTOEXEC.BAT). You can also display these modifications or cancel the installation.
10. The installation updates your startup files and saves the original versions under the name CONFIG.FC and AUTOEXEC.FC.
11. After the startup files have been modified, you can leave the installation program. In order for the changes to take effect, you must restart your computer.
12. If you want to undo the installation, start the program "UNINST.EXE" in the installation directory.

*Note: After restarting your computer, additional boot messages are displayed which are generated by the device drivers for the device you just installed.*

At first, the enabler for the example PCMCIA (FCPOINT.EXE) in the CONFIG.SYS file is loaded and displays a message similar to the following (depending on your specific device):

```
-----
PC Card driver for external ATAPI-IDE Drives
Rev:2110

Found PCCARD: FREECOM PCCARD-IDE RV#052 V5.0

Initialization using C:\FC\FCPOINT.INI completed!
-----
```

If a different driver message is displayed, this does not indicate that an error has occurred. Please refer to the chapter "Troubleshooting" only if the text contains the word "*ERROR*" or "*WARNING*". The driver is then loaded and displays the following—depending on the device (for example FCATAPI.SYS):

```
ATAPI-CD: ATAPI IDE CD-ROM Device Driver Rev. 2130 DOS
ATAPI-CD: Copyright (C) Freecom Technologies 1995-2001
ATAPI-CD: Drive: Toshiba CD-ROM XM-6202B 1110
ATAPI-CD: CD-ROM drive installation successfully completed
```

The driver assigns the device the first available letter following your last hard disk. For example, if you only have one hard drive C:, the device will be assigned the drive letter D:.

The driver MSCDEX.EXE will also be called up for devices with a CD ROM drive. It is responsible for assigning the drive letter to the CD-ROM.

## **CHAPTER 4: Daily use of the TARGUS Noteworthy DVD-ROM**

To insert or eject a media, press the eject button, which is only active when the system is ready-to-operate.

When inserting a DVD-ROM disc place printed side face up. The disc will need to be snapped down over the spindles.

Please do not touch the underside of the media as any kind of dirt might result in read errors or even uselessness.



## CHAPTER 5: Reference Section

### General problems

If you have problems getting your TARGUS Noteworthy DVD-ROM drive to function properly please check the following:

- Does your system meet the hardware requirements.
- Check to see if the PC Card Cable is attached to the drive correctly and inserted all the way in the PC Card slot
- Is the drive getting power? Check to see if media tray can be opened by pressing the eject button after the notebook is powered on.

If there is no sound, check if

- The headphones/speakers are correctly connected
- The cable is damaged
- The volume is up
- The audio software is installed

### ***Playing a DVD-ROM Movie title***

To play a DVD-ROM movie you need a DVD-ROM decoder either installed in the notebook or a player application setup under Windows 95/98/ME/2000. Windows NT 4.0 does not support DVD-ROM Movie playback.

## Technical Support

In the unlikely event that you encounter a problem with your Targus accessory, please contact our technical support team at:

**Email:** [TechSupport@targus.com](mailto:TechSupport@targus.com)

**Internet:** [www.targus.com/support](http://www.targus.com/support)

Our knowledgeable staff is also available to answer your questions Monday through Friday, 8 a.m. (08:00) to 6 p.m. (18:00) C.E.T. through on of following numbers:

<b>Belgium</b>	<b>+32(0)02-717-2451</b>
<b>Denmark</b>	<b>+45(0)35-25-8751</b>
<b>France</b>	<b>+33(0)1-64-53-9151</b>
<b>Germany</b>	<b>+49(0)21-16-579-1151</b>
<b>Italy</b>	<b>+39(0)24-827-1151</b>
<b>Netherlands</b>	<b>+31(0)53-484-9470</b>
<b>North American</b>	<b>888-970-7678</b>
<b>Spain</b>	<b>+34(0)91-745-6221</b>
<b>Sweden</b>	<b>+46(0)8-751-4058</b>
<b>Switzerland</b>	<b>+41(0)1-212-0007</b>
<b>UK</b>	<b>+44(0)20-7744-0330</b>
<b>Eastern Europe &amp; Others</b>	<b>+31(0)53-484-9479</b>

Check our web site [www.targus.com](http://www.targus.com) for Frequently Asked Questions and Driver updates.

Please have the following information on hand when you call:

- The version of your installation disk
- The version of your operating system and the software that has the problem
- An exact description of the error and any error messages and when they occur
- The name and model of your computer and any internal hardware
- Can you reproduce the problem at any time?
- Have you had this problem before? If it is a new problem, have you recently changed your system configuration?

## Specifications of the TARGUS Noteworthy DVD-ROM

**Average Access Time:** 180 ms

**max. Read speed\*:** DVD-Mode: 10,800 kB/s (8x DVD speed)\*\*\*  
 CD-Mode: 3,600 kB/s(24x CD speed)

**Formats:** DVD-ROM  
 DVD-Video  
 Data CD  
 Audio CD  
 Enhanced CD  
 CD Plus  
 CD Extra  
 i-trax CD  
 CD-ROM XA  
 Photo CD

**Data Buffer:** 512 kB

**Dimensions:**

Length: 6.81" (17,3 cm)  
 Width: 5.35" (13,6 cm)  
 Height: 0.78" (2 cm)

**Weight:** 0.9 pounds (450 g)

**Connection to the**

**computer:** PC Card Cable via PC Card slot (Type II)

### Storage Capacity:

DVD-ROM type description	DVD-5	DVD-9	DVD-10	DVD-18
Capacity according to the manufacturer	4.7 GB	8,5 GB	9.4 GB	17 GB
Actual capacity	4.38 GB	7.96 GB	8.75 GB	15.92 GB
Written sides	1	1	2	2
Layers** per side	1	2	1	2

\* The maximum read speeds are only reached if data on the outer edge of the CD are read in constant succession.

\*\* information-carrying layer

\*\*\* depending on the interface cable

