CINERGY HT PCMCIA

Hardware and driver installation

English manual

Version: 12.06.2006

CE Declaration

We:

TerraTec Electronic GmbH, Herrenpfad 38, D-41334 Nettetal, Germany

hereby declare that the product:

TerraTec Cinergy HT PCMCIA

to which this declaration refers is in compliance with the following standards or standardizing documents:

1. EN 55022 Class B

2. EN 55024.

The following are the stipulated operating and environmental conditions for said compliance:

residential, business and commercial environments and small-company environments.

This declaration is based on:

Test report(s) of the EMC testing laboratory

Contents

Welcome!

We're pleased that you have chosen a TerraTec ReceiverSystem and would like to congratulate you on this decision. With the TerraTec Cinergy HT PCMCIA, you've purchased a sophisticated product representing the state of the art of PC/TV technology. We're convinced that our product will prove extremely useful to you and provide you with a great deal of entertainment, both at home and on the road. Before we go into detail, here's a foretaste of what you can expect:

Digital TV to go.

Television and radio – more mobile and versatile than ever before. The Cinergy HT PCMCIA brings entertainment and information to the notebook, wherever you are and whatever you are doing! The TV card with integrated radio function (DVB-T only) receives both the digital terrestrial television of the future (DVB-T) and conventional analog television (cable, house antenna or satellite receiver) in highest stereo quality. This keeps you "in the picture" at all times. Thanks to the DVB-T radio receiver, the Cinergy HT PCMCIA is equally well prepared for future developments.

No hardware knowledge is necessary for commissioning. Just plug the Cinergy HT PCMCIA express into an available ExpressCard slot of your notebook, connect either the provided DVB-T antenna, the regular TV cable or satellite receiver to the analog inputs and install the provided software. Once the automatic channel scan is finished, you receive all available channels. Thus the Cinergy HT PCMCIA is ideal for watching analog or digital or TV in your home office or workplace, and simultaneously serves as a mobile DVB-T receiver, for example while on vacation or sitting out on your friends' patio. Everything is possible!

Wherever you use the versatile PCMCIA tuner, you never have to go without the accustomed TV viewing comfort. The electronic program guide helps you accurately navigate through the large number of stations and activate your recording timer. As usual, teletext provides in-depth information on current programs. If you need to interrupt a show, you can do so without any problems. The solution is called time shifting, which saves the part you miss on the hard disk. That means you can simply resume viewing later at the desired point.

The perfect solution for all series fans or movie collectors is the built-in digital video recorder. Program a recording or simply press the record button while the program is underway—the program is saved to your hard drive in DVD quality (MPEG 2). Now you can quickly edit out the commercials from your recording and burn the final product to CD or DVD—all in one convenient working interface. It's just as easy to connect a video recorder or DVD player to the analog video inputs (composite, S-video) of the Cinergy PCMCIA express. This allows you to, for example, digitize your old family videos or create a legal backup copy of your newly purchased DVD movie.

But the ArcSoft TotalMedia 2 software included in the package has even more capabilities: as you would expect of a full-fledged media center, you can listen to music, play videos and DVDs, or browse through your picture collection and create a slide show.

Thanks for your attention—enjoy!

...your TerraTec Team

Key features.

- Digital or analog TV on your notebook using PCMCIA

- Stereo sound for digital and analog TV

- Timer-controlled recording and time shifting

- EPG support/program information

- Teletext

- Power supply via PCMCIA slot

- Digital video recorder with complete MPEG2 support

- Analog video inputs via: S-video, composite

- Stereo audio input (1/8" minijack)

- 2 years warranty

System requirements.

- Intel Pentium 4 / AMD Athlon XP 2GHz CPU or higher or Centrino-certified laptop

- Windows XP with ServicePack 2

- 512 MB RAM

- 1 available PCMCIA slot

- 300MB free hard drive space

- CD/DVD drive for driver installation

- Audio hardware with DirectX support

- Graphics card with DirectDraw drivers and video overlay support

- CD-R/DVD-R drive to create video CDs/DVDs

- Analog or digital (DVB-T) TV reception via cable or roof antenna

Scope of delivery.

- TerraTec Cinergy HT PCMCIA

- Antenna with articulated base

- Installation & software CD-ROM

- Manual (on CD-ROM)

- Service request form

- Registration documents

- Quick Setup Guide

The hardware at a glance.

The hardware and connections of the Cinergy HT PCMCIA.
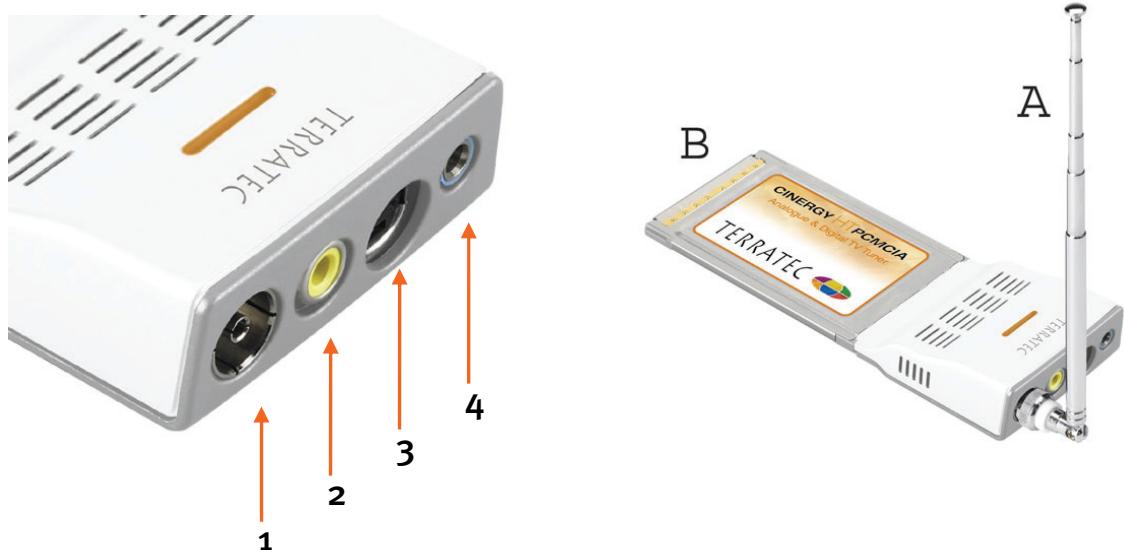
1. Antenna input

2. Composite input

3. S-video input

4. Stereo audio input

A: Antenna with articulated base

B: PCMCIA TV card

PCMCIA connection

Insert the card (B) carefully and straight into the notebook's PCMCIA slot as far as it will go.

Antenna input

Connect the TV antenna output of the provided articulated-base antenna (A) to this input (1) to receive DVB-T. Connect the antenna directly to the card. If you want to receive DVB-T or analog TV via your roof antenna or use your analog cable connection, also plug the antenna directly into the card (1).

Video/audio inputs

Use the video inputs for S-video (3) or composite when digitizing analog video sources. (4) To record sound as well, connect the audio sources to the stereo audio input. (4)

Setting up the hardware and installing drivers.

The following sections describe how to connect your Cinergy HT PCMCIA to your computer and install the drivers.

The PCMCIA interface.

The PCMCIA standard provides notebook computer owners with a compact and fast system for hardware control via the USB controller. The advantages of PCMCIA are its versatility and wide variety of application options. Follow these steps for installation:

1. Boot your computer and wait until the operating system has loaded completely. Insert the Cinergy Hybrid HT PCMCIA into the PCMCIA slot of your notebook.

2. Please continue with the driver installation.

Installing the drivers in Windows XP (Service Pack 2 or higher)

Once you have inserted the Cinergy HT express in the PCMCIA slot of your computer, Windows will display a message bubble in the taskbar to indicate that Windows has found new hardware—the Cinergy HT PCMCIA. The Windows setup wizard will now appear.

Insert the TerraTec Cinergy HT PCMCIA installation & software CD-ROM into your CD-ROM drive. When the dialog asks if you want to establish a connection to Windows Update, select "No, not this time". If you are not prompted to establish a connection, this would indicate that you do not have Service Pack 2 installed on your system. Check your system settings or contact your retailer.

In the next step, select "Install the software automatically (recommended)" and click "Next" to install the drivers.

Once the setup wizard has found the drivers on the installation & software CD-ROM, Windows might display a message indicating that the drivers have not passed the Windows logo test. It is safe to ignore this information and continue the installation by clicking "Continue anyway".

Click "Finish" to complete the installation once the driver files have been copied.

Windows will now display another message bubble to indicate that the Cinergy HT PCMCIA has been installed successfully. Continue installing the software at this point.

The installation was completed successfully.

To be sure, open the Device Manager (Start → Settings → Control Panel → System → Hardware tab → Device Manager) and expand the "Sound, video and game controllers" entry (click the **+** sign). If the "Cinergy HT PCMCIA" is not marked with a yellow exclamation point, then the installation was successful.

Connecting the antenna

Connect the antenna or antenna cable to the antenna input of the TV card (at the far left).

Antenna location. Avoid positioning the antenna close to electrical consumers that emit electromagnetic radiation. This includes, in particular, computers, televisions, microwave ovens and the like. Avoid positioning the antenna close to steel or rebar. Position the antenna close to a window. Position the antenna as high as possible.

Unfortunately, it is not always possible to receive digital TV signals with the small articulated-base antenna. Especially in outlying areas, it will sometimes be better to use the roof antenna or an active outside antenna. No analog reception is possible with the articulated-base antenna.

Installing the ArcSoft TotalMedia2 application

Go to your CD-ROM drive in Windows Explorer. Double-click the drive icon and select your language. Follow the menu to install ArcSoft TotalMedia 2 (Autostart → English → TotalMedia2). Follow the instructions of the installation wizard and complete the installation by clicking "Finish".

Note: the Cinergy HT PCMCIA express must be installed and connected to the PC during the installation.

After starting the software, you can start an automatic channel scan by clicking "Settings" in the "TV" submenu. First, go to "Video Settings" and select the tuner you intend to use (DVB-T or analog). Click "Save". To do so, go to the "Scan/Edit Channel List" and click "Start" to start the channel scan. When all channels have been found, click "Save" to save the channel list. You can now (after returning to the main menu) select "TV" to enjoy television at your computer. For help with the powerful program TotalMedia 2, press "F1" while the application is running.

Capturing analog video sources

To capture an analog video source, go to the "Video" main menu. Select the menu item "Capture". Brief instructions appear that you can skip by clicking "Next". The main capture menu appears next. You can define the length of the capture and its file name. However, you need to configure the input source before recording. All the important details for a capture are listed under the "Capture Settings" menu item. Click the "Auto Detect Video Signal" button to have the signal detected automatically or configure the settings manually. Click "Save" to return to the Capture menu, where you can now start your recording.

Appendix A – Frequently asked questions (FAQ).

The FAQ can be accessed via the autostart menu of the included CD-ROM. If the autostart menu does not open automatically when you insert the software & installation CD, go to the CD-ROM drive and launch the `autorun.exe` file. Select the menu item "FAQ".

Note: the current FAQ version is available at:

`http://supporten.terratec.net/`

Appendix B – Technical data.

General information

- PCMCIA card bus standard

- Driver support: Windows XP (SP2)

- Plug n' Play

- Power supply 5.0V DC (PCMCIA bus powered)

- Maximum power consumption: 1A DC

- Housing color: white/metal

- Dimensions: 140 x 53 x 19 mm

- 2 years warranty

Tuner

- VHF Band III K5-K12 (174 MHz - 230 MHz)

- UHF Band IV / V K21-K69 (470 MHz - 862 MHz)

- Input impedance: 75 ohms

- COFDM demodulation (QAM16/QAM64)

- PLL synthesizer technology

Appendix C – Service at TerraTec.

"Nothing seems to work!" — This can happen even on the best systems. If this happens to you, the TerraTec team is happy to offer its service and support.

Hotline, Internet.

In case of a serious problem—where you can neither solve the problem on your own nor with the guided help found in this manual, nor with the help of your dealer—please contact us directly.

If you have access to the Internet, please check our service and support at **http://supporten.terratec.net/** first. There you'll find the answers to frequently asked questions (FAQ) and a form for e-mail support requests.

If you can't access our website, please check the service request form that came with the product for country-specific helpline numbers with which you can contact our support team.

Regardless of whether you contact us by e-mail or phone, you must have the following information at hand:

- your registration number,

- this documentation.

In addition, it would be helpful to our technicians if the device is within reach during the phone call so that you can carry out our support tips directly. Please do not forget to write down the name of the respective support technician if you contact our Support Team. You will need this name if a defect is present and your device needs to be mailed to us.