

CINERGY HT USB XE

Hardware and driver installation

English manual

Version: 8/22/2006

CE / FCC Declaration

We

TerraTec Electronic GmbH · Herrenpfad 38 · D-41334 Nettetal

hereby declare that the product:

Cinergy HT USB XE

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

EN 55022 Class B

EN 55024

The product is designed for the following operating conditions and deployment environments: residential, retail, commercial and small-business.

This declaration is based on:

Test report(s) of the ADT-Corp testing laboratory

A handwritten signature in black ink, appearing to be 'H. [unclear]', is written over the text 'Test report(s) of the ADT-Corp testing laboratory'.

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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 USB XE, 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

The Cinergy HT USB XE receives digital and analog TV and is no larger than a USB thumb drive! Simply plug the ultracompact TV tuner into a USB 2.0 port of your notebook or desktop PC—you are now ready to receive all of the analog TV channels in your service area, as well as digital terrestrial TV via DVB-T. The Cinergy HT USB XE supports both analog and digital (DVB-T) standards in a single flexible, future-proof device.

No matter where you go, take your TV tuner with you. At home, connect it to your rooftop antenna or cable. On the road, connect it to your notebook and use the included compact DVB-T antenna. You never have to go without the accustomed TV viewing comfort, because the suitable remote control is enclosed as well.

TerraTec Home Cinema – a software for all TV cards

Everything from a single source: The TerraTec Home Cinema is the powerful and efficient solution from TerraTec for television on the computer. Turn your computer into a powerful video recorder with manual or controlled recordings (even via Internet) and enjoy the many functions, such as multi-tuner support, convenient management of stations and favorites, electronic program guide, time-shifted television, automatic wake-up from standby or idle state, subtitle display (teletext and DVB), and integrated editing software. All standards are supported – digital (DVB-T, DVB-S and DVB-C) and analog (antenna or cable). Specifically: All TV cards from TerraTec can be controlled with a single software – while all current cards as well as standards can be freely combined!

Freely combine several TV cards

Of particular importance is the multi-tuner support (several TV cards in one PC): Whether it is an external or internal card with several tuners or several internal or external cards with one tuner each – all connected solutions are automatically recognized and simultaneous recording and viewing are immediately available. In the process, TerraTec Home Cinema excels with extremely fast switching times.

Freely adjustable lists of favorites

The innovative list of favorites allows you to always have the most important thing in your sight with DVB-S – even with several hundred stations. When you want to switch, you no longer have to tediously scroll through the entire list, but can jump directly to the desired program. Sort your favorite stations by genres or locations. As a frequent traveler, you always have the same DVB-T selection of the respective region available and do not have to search extensively. No matter the broadcast in which you are interested – the aspect ratio is automatically and correctly adjusted. But you can also control the desired adjustment by hand. If it is already available in your region, you can also listen to DVB radio with the TerraTec Home Cinema!

Programming recordings with tvtv via the Internet (60 days trial version)

A major step into the future of mobile television is the programming of recordings via the Internet. With the integrated tvtv.de service, the Internet page **www.tvtv.de** allows for browsing the current television program for your personal favorites – and with a single click of the mouse, you can specify a recording. The computer at home does not even have to be switched on – even in the energy-saving standby mode or in the idle state, the system boots up on time for the broadcast and records the desired episode of your favorite show, the current football game, or an interesting documentary! Afterwards, the computer can also shut itself down again. With a WAP-capable cell phone, this can even be done while you are on the road...

Free to choose with respect to recordings

And that is only the beginning with respect to recordings. The integrated electronic program guide allows for easily programming recordings at home, just like saving a currently running broadcast directly on the hard disk with a single push of a button. In case of programmed recordings, the recording can even be viewed while the broadcast is still running. Forget about long waiting times like those for your old video recorder – now you can still guess who is the perpetrator during the crime show while the killer is already behind bars...

With respect to the recording, you are free to choose the format. You may record using the widespread and compatible MPEG format or select the recording including video text and subtitles. If it is broadcast, TerraTec Home Cinema will also record in Dolby Digital (AC3).

Integrated advertising editor and simple operation

After the recording, use the integrated editing software Cut! to easily and quickly remove any annoying commercial segments. No need to read any large manuals for this purpose – Cut! was specifically optimized for simple and safe usability.

TerraTec Home Cinema supports all common TV standards found in Europe, is quick and easy to operate, and saves the valuable resources of your system with its task-optimized functions. All of the functions can be easily operated either via remote control, keyboard or mouse. Television on the computer finally shows its strengths without getting lost in numerous settings and conflicts!

Thanks for your attention—enjoy!

...your TerraTec Team

Key features:

- Digital or analog TV on your notebook and PC
- Power supply via USB
- USB 2.0 high-speed interface, 480 Mbps
- Infrared remote (optional)
- Easy to operate (keyboard, mouse, remote control)
- Electronic program guide (EPG)
- Recording of Dolby Digital, video text and subtitles
- Freely configurable function list (e.g. genre, location)
- Editing functions (removing advertisement segments)
- Remote programming via Internet or WAP cell phone (tvtv trial account)
- Time-shifting TV programs
- Support of several tuners (multi-tuner support)
- Automatic wake-up and shutdown (standby / idle state)
- 2 years warranty

System requirements:

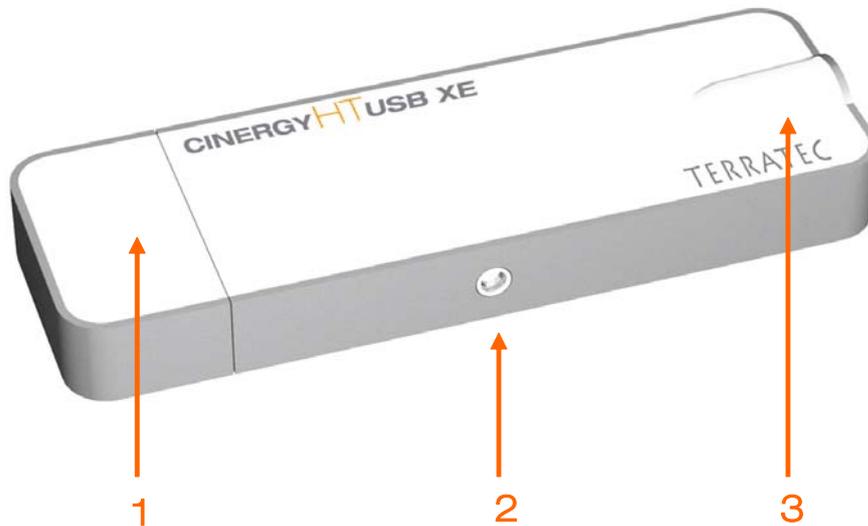
- Intel/AMD/Centrino CPU, 2.0 GHz or higher
- Windows XP with ServicePack 2
- 512 MB RAM
- 300MB free hard drive space
- CD/DVD drive for driver installation
- Audio hardware with DirectX support
- Graphics card with DirectDraw drivers and video overlay support
- Analog or digital (DVB-T) TV reception
- Analog or digital (DVB-T) radio reception

Scope of delivery:

- TerraTec Cinergy HT USB XE
- Rod antenna with magnetic base
- Installation and software CD-ROM
- Online manual (on CD-ROM)
- Service request form
- Registration documents
- Quick Setup Guide

The hardware at a glance

The hardware and connections of the Cinergy Hybrid T USB XE.



1. USB-2.0 connector
2. Input for optional IR remote control receiver
3. TV antenna input

USB 2.0 connector

Just plug the Cinergy HT USB XE into the USB 2.0 port on your notebook or PC. Please do not use a hub, as this can cause signal and power problems.

TV antenna input

Connect the TV antenna output of the provided rod antenna with magnetic base to this input to receive DVB-T. If you want to receive DVB-T or analog TV using your roof antenna or use your analog cable connection, please connect it directly to the antenna input.

Setting up the hardware and installing drivers

The following sections describe how to connect your Cinergy HT USB XE to your computer and install the drivers. Connecting the included rod antenna is the final step of the installation.

Connecting to the USB 2.0 port

1. Boot your computer and wait until the operating system has loaded completely. Just plug the Cinergy HT USB XE into the USB 2.0 port on your notebook or PC.
2. Now continue with the driver installation.

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

Once you have connected the Cinergy HT USB XE to a USB 2.0 port on your PC, a message bubble over the system tray will tell you that Windows has found new hardware—the Cinergy HT USB XE. The Windows setup wizard will now appear.

Insert the TerraTec Cinergy HT USB XE installation and 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 USB XE has been installed successfully.



The installation was completed successfully.

To be sure that the installation was performed correctly, open the Device Manager (Start → Control Panel → System → Hardware tab → Device Manager) and expand the “Sound, video and game controllers” entry. If the “Cinergy HT USB XE” exists and is not marked with a yellow exclamation point, then the installation was successful.

Connecting the rod antenna with magnetic base

Connect the plug of the provided rod antenna with magnetic base to the antenna input of the Cinergy HT USB XE.

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 it close to steel or concrete reinforcing rods, as this will have a negative effect on the signal. Position the antenna close to a window. Position the antenna as high as possible. For maximum performance, place the magnetic base of the antenna on metal. Try to find a suitable metal surface when choosing a location.

Unfortunately, it is not always possible to receive digital TV signals with the small rod antenna. Try a different antenna location first. In some cases, moving the antenna only a few centimeters can help. Especially in outlying areas, it will sometimes be better to use the roof antenna or an active booster antenna (outside antenna). **No analog reception is possible with the rod antenna.**

Optional remote control

The Cinergy HT USB XE features a port for a remote control. To order the optional remote control, visit the TerraTec Webshop at <http://shopde.terratec.net>. If you own a remote control, connect the IR receiver to the port on the stick and position the receiver so that it has a line-of-sight connection to the remote control.

Installation of the TerraTec Home Cinema (THC) software

Go to your CD-ROM drive in Windows Explorer. Double-click the drive icon and select your language. Follow the menu to install the TerraTec Home Cinema (THC) application (Autostart English Software TerraTec Home Cinema). Follow the instructions of the installation wizard and complete the installation by clicking "Finish". The configuration wizard for your tvtv account will now open. Follow the onscreen instructions until all parameters have been configured.

Note: your PC must be connected to the Internet while setting up your tvtv account in order to match the login data with the tvtv server.

When launching the TerraTec Home Cinema application for the first time, the station scan window will open automatically. Select your region and type of reception here, as well as the tuner you would like to use for the station scan (digital or analog), and click "Start". Any stations found will be added to a station list, which you can edit later.

Tip: for more information and assistance, see the detailed online help in the TerraTec Home Cinema application. To access it, press F1 while the application is open.

Appendix A – Frequently asked questions (FAQ).

The current version of the frequently asked questions (FAQ) can be found in the Support section of the TerraTec website (<http://www.terratec.net>). Check the website from time to time, not only for updated FAQs, but also current software updates and interesting brief guides for your product. Our support staff always aims to provide the best possible assistance for a variety of applications.

Appendix B – Technical data.

General information

- USB 2.0 HiSpeed (480 Mbps), USB bus powered
- Driver support: Windows XP (SP2)
- Plug n' Play
- Power supply 5V DC (USB bus powered)
- Power consumption 475mA (USB bus powered)
- Housing color: white/gray
- Dimensions: 105 x 33 x 11 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

Infrared remote (optionally available)

- 48 buttons
- Battery power (2 AAA cells)

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.