

# CINERGY hybrid **T** USB XS

Hardware and driver installation

English manual

Version: 8/29/06

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CE Declaration

We:

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

hereby declare that the product:

ReceiverSystem TerraTec Cinergy Hybrid T USB XS,

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



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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 Hybrid T USB XS, 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 in your pocket.***

With the Cinergy Hybrid T USB XS, you can receive all free digital terrestrial TV broadcasts (DVB-T) on your desktop or laptop PC using the included antenna. The Cinergy Hybrid T USB XS connects directly to a USB 2.0 port and also draws its power from the port. A separate power adapter or batteries are not required.

### ***Totally digital.***

The Cinergy Hybrid T USB XS receives its signals from an antenna as always. But digital TV has so much more to offer: DVD picture quality, loss-free recording in MPEG-2 format and timeshifting—with which you can simply pause live programs and restart them later where you left off—take you to the TV of the future. Enhance your TV experience with additional tasty features: the electronic program guide delivers up-to-date program information for the coming days and lets you plan your recordings with a single click. All received teletext pages are stored in memory for lightning-fast navigation with your mouse.

### ***Including analog connection.***

Your Cinergy can not only receive digital TV, but analog signals as well. In other words, using the good old cable TV at home is no problem. Naturally, the Cinergy Hybrid T USB XS can also accommodate SAT receivers, VCRs, DVD players and camcorders via the composite or S video connectors. A Line-In minijack is available for the audio signal.

### ***Totally convenient.***

Control the onscreen menu of the Cinergy Hybrid T USB XS, Terratec HomeCinema software, and a wide range of other multimedia applications from the comfort of your sofa using the included remote control.

We hope you enjoy your Cinergy Hybrid T USB XS and would like to suggest that you browse this hopefully entertaining manual when you get the chance. In addition to the important information about its technology, we have outlined a number of typical applications wherever appropriate. We're convinced that even experienced users will profit from this guide.

Thanks for your attention—enjoy!

...your TerraTec Team

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## ***Key features.***

- Digital or analog TV on desktop and laptop PCs
- Timer-controlled recording and timeshifting
- EPG support/program information
- Teletext
- Power supply via USB
- USB 2.0 high-speed interface, 480 Mbps
- Infrared remote control
- Digital video recorder with full MPEG2 support
- Analog video inputs, S-video and composite
- Stereo audio input
- 2 years warranty

## ***System requirements.***

- Intel Pentium 4 / AMD Athlon XP / Centrino-certified laptop / 2GHz CPU or higher
- 512 MB RAM
- 1 free USB 2.0 interface
- Audio hardware with DirectX support
- CD-R/DVD-R drive to create video CDs/DVDs
- AGP graphics card with DirectDraw drivers and video overlay support
- Terrestrial digital reception (DVB-T)
- Windows XP with ServicePack 2

## ***Scope of delivery.***

- TerraTec Cinergy Hybrid T USB XS
- USB 2.0 extension cable (0.3 m)
- Antenna adapter cable
- Video/audio/IR remote input multi-connector cable
- Rod antenna with magnetic base
- Infrared remote control including batteries
- Installation & software CD-ROM
- Online manual (on CD-ROM)
- Service request form
- Registration documents

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## *The hardware at a glance.*

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



1. USB 2.0 connector
2. TV Antenna In
3. Antenna adapter cable
4. Multi-connector cable input
5. Video/audio/IR remote input multi-connector cable
6. DVB-T antenna
7. USB extension

### ***USB 2.0 connector***

Simply plug the Cinergy Hybrid T USB XS into a USB 2.0 port on your laptop or desktop PC. Naturally, you can also connect it using the included USB extension.

### ***TV antenna input***

Connect the antenna output of the included magnetic-base rod antenna or another DVB-T-compatible antenna system to this input. If you would like to receive DVB-T or analog TV via your roof antenna or use your analog TV cable, please use the included antenna adapter cable (3).

### ***Video/audio/IR remote input multi-connector cable***

The multi-connector cable is required for composite or S video connections to video sources such as VCRs, DVD players, SAT receivers or camcorders. The receiver for the remote control is also attached to the multi-connector cable. So, no multi-connector cable, no remote. The

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integrated infrared receiver is used for communication with the remote control. For further information on the remote control and its software, please refer to the documentation (autostarter → documentation → software).

## ***Setting up the hardware and installing drivers.***

The following sections describe how to connect your Cinergy Hybrid T USB XS 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. Simply plug the Cinergy Hybrid T USB XS into a USB 2.0 socket on your laptop or desktop PC. Naturally, you can also connect it using the included USB extension.
2. Please continue with the driver installation.

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

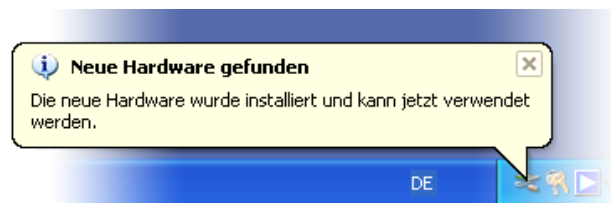
Once you have connected the Cinergy Hybrid T USB XS to a USB 2.0 port on your PC, a message bubble over the system tray will tell you that Windows has found new hardware—the Cinergy Hybrid T USB XS. The Windows setup wizard will now appear.

Insert the TerraTec Cinergy Hybrid T USB XS installation & software CD-ROM in your CD-ROM drive, select “Install the software automatically [Recommended]” and click “Next”.

Once the setup wizard has found the drivers on the installation & software CD-ROM, Windows will 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 Hybrid T USB XS has been installed successfully.



*The installation was completed successfully.*

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

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## ***Connecting the magnetic-base rod antenna***

Connect the antenna plug of the included magnetic-base rod antenna to the antenna input (2) of the Cinergy Hybrid T USB XS.

**Antenna location.** Avoid setting the antenna up near sources of electromagnetic radiation. These include computers, TVs, microwave ovens and similar devices. Avoid the proximity of steel or reinforcing rods. Set the antenna up close to a window, positioning it as high as possible.

Unfortunately, it is not yet possible to receive digital TV signals everywhere using the small rod antenna. It is frequently advisable to use a roof antenna or active outdoor antenna for good reception outside of urban areas. The rod antenna is not suitable for analog reception.

## ***Remote control – inserting the batteries.***

Improper battery use can destroy the remote control unit. Please observe the following instructions:

- Never mix old and new batteries.
- Insert the batteries as indicated by the polarity markings in the battery compartment.

Please observe your local laws and environmental regulations when disposing of used batteries.

## ***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”.

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**Note:** *The current version of the FAQ is available at <http://supporten.terratec.net/>.*

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## ***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 480 mA (USB bus powered)
- Housing color: white/orange



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- Dimensions: 80 x 30 x 15 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 control***

- 47 buttons
- Battery power (2 AAA cells)

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## ***Appendix C – Service at TerraTec.***

“Rien ne va plus—Nothing's working” can happen to 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.