PCTV 60e
Hardware

GB

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User's Guide

GB   August 2005

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Introduction

Congratulations! You are now the proud owner of a PCTV 60e!

PCTV 60e makes it possible to receive digital terrestrial television in accordance with the DVB-T standard (Digital Video Broadcasting - Terrestrial) and with excellent picture quality on your laptop and desktop PC. The PCTV 60e offers you a unique DVB-T receiver for USB.

The PCTV 60e has optimized reception and functions independently of the power supply. This makes it the ideal mobile solution for digital television reception on your laptop computer.

In addition to Live-TV, PCTV 60e also makes time delay television (Timeshift) available, as well as giving you the ability to record shows on your hard disk and on writable DVDs - without any compromise in sound or image quality.

You also get access to the free information services, videotext and the electronic program guide (EPG), which let you program the shows you want to record simply and easily.

Additional services planned for the future include digital radio, interactive television, and IP data reception. Some of these services are already available in selected areas.

 Depending on the version of your product, package contents may vary.

And now have fun with your PCTV 60e!

 More information about DVB-T can be found on the Internet at www.dvb.org.

Box Contents

PCTV 60e

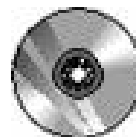Rod antenna
(Figure is an example)

Antenna adapter

USB cable
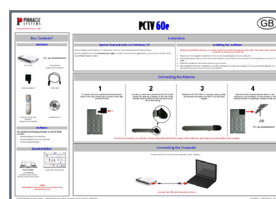
Remote control with batteries
(Figure is an example)

Installation CD

On CD-ROM:
User manual, Hardware instructions
Remote control instructions

Quick Start instructions

Depending on the version of your product, package contents may vary.

System Requirements

In order for the PCTV 60e to function smoothly, your system must meet the following requirements:

Computer Hardware

Processor
Minimum: Pentium III 1.0 GHz
or equivalent AMD Athlon XP processor (SD only)
Recommended: Pentium IV 2.0 GHz, Pentium M 1.3 GHz
or equivalent AMD Athlon 64 processor (SD and HD)

Working memory
Minimum: 256 MB RAM
Recommended: 512 MB RAM

Hard disk
Minimum: IDE hard disk with master mode drivers and 5 GB free disk space
Recommended: U-DMA hard disk with 20 GB free disk space

Graphics controller
Minimum: DirectX 8 compatible graphics card
Recommended: DirectX 9 (or higher) compatible graphics controller

Sound controller
Minimum: DirectX 9 compatible sound controller

USB port
USB (full-speed or high-speed) port

CD-ROM / DVD-ROM drive or recorder
Minimum: CD-ROM or DVD-ROM drive
**Recommended:** CD or DVD recorder

Computer Software

Windows XP (Home Edition, Professional Edition or Media Center Edition 2005) with the latest Service Pack
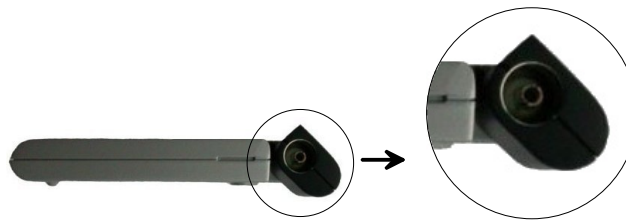
Connecting the Antenna

If your PCTV 60e does not include an antenna or you live in an area that is not suited for receiving signals with indoor antennas, connect the PCTV 60e to another antenna (e.g., your building antenna) using the antenna adapter:

- Insert the antenna adapter into the antenna input socket of the PCTV 60e from the side.
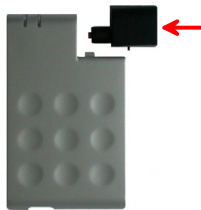
- When doing this, make sure that the plastic knob on the PCTV 60e casing fits into the round groove of the adapter.

- Now turn the adapter until it snaps into the PCTV 60e casing and both line up properly.

- Now attach the antenna adapter either to the antenna on your building, a room antenna or the rod antenna that is optionally included in the box.

OR
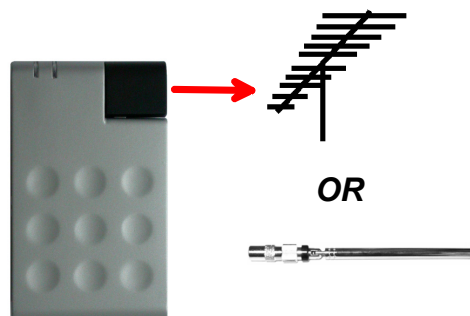
To connect an antenna, you need the corresponding cable. Note that the quality of the cable has a great influence on the quality of the reception.

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Connecting to the Computer

- Connect your PCTV 60e with your computer via the USB port.

Use only the USB cable included in the box.

Positioning Tips for the Rod Antenna

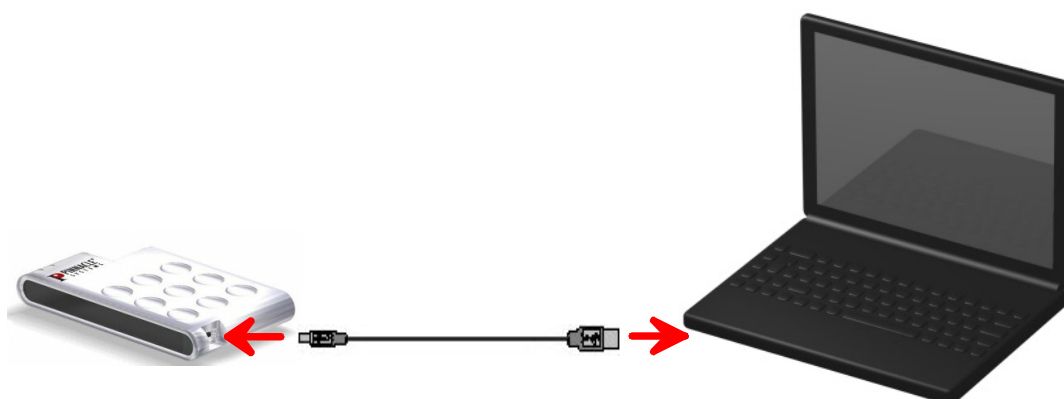If you would like to use the rod antenna (optional) included in your box to get television reception, note following instructions (these instructions do not apply to other antennas):

- If possible, place the PCTV 60e near a window.

- In addition, place the PCTV 60e as high as possible.

- The PCTV 60e should not be placed near a cathode ray tube monitor or a television or similar equipment.

Note that you will possibly not get the best DVB-T reception inside buildings. In this case, place your PCTV 60e as high and as near to a window as possible or attach the adapter (included in the box) to your roof antenne.

Using the Remote Control

If your PCTV 60e box includes a remote control, when you use it, make sure that it is aimed directly at the reception area of the PCTV 60e casing.

LED Display

The LED display on the PCTV 60e indicates the operational status of the device:

- The **yellow** LED indicates that the station is set correctly.

yellow

Station is set

Technical Data

Bus System

USB (full-speed or high-speed)

TV Tuner

Microtune MT2060
The frequency range is 45.75 to 863.25 MHz (VHF and UHF).

DVB-T Demodulator

Zarlink MT352
- 16.64 QAM, QPSK
- 6,7,8 MHz bandwidth
- UHF, VHF

Antenna Input (Optional)

75 Ohm via IEC adapter

Note the following when using the Pinnacle Studio QuickStart: If you want to edit DVB-T shows, first record them to your hard disk using the Pinnacle MediaCenter. After this, you can edit the saved video files with Studio QuickStart.

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Konformitätserklärung nach ISO/IEC Guide 22

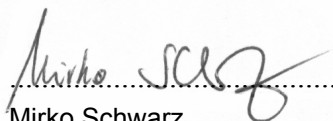*Declaration of conformity in accordance with ISO/IEC Guide 22*

Nr. / No 1.00

Anbieter / *Supplier* : **Pinnacle Systems GmbH**

Anschrift / *Address* : Frankfurter Strasse 3c
38122 Braunschweig, Germany

Produkt / *Product* : **PCTV 60e**

Das oben beschriebene Produkt ist konform mit:
The product described above is in conformity with:

Dokument-Nr. *Document No.*	Titel *Title*
EN 55013 : 2002	Funkstöreigenschaften von Rundfunkempfängern und verwandten Geräten der Unterhaltungselektronik *Limits and methods of measurement of radio disturbance characteristics of broadcast receivers and associated equipment*
EN 55020 : 2003	Störfestigkeit von Rundfunkempfängern und verwandten Geräten der Unterhaltungselektronik *Electromagnetic immunity of broadcast receivers and associated equipment*
EN 61000-4-2 : 2001	Störfestigkeit gegen Entladung statischer Elektrizität *Electrostatic discharge immunity test*
EN 61000-4-3 : 2001	Störfestigkeit gegen hochfrequente elektromagnetische Felder *Radiated, radio-frequency, electromagnetic field immunity test*
EN 61000-4-4 : 2002	Störfestigkeit gegen schnelle transiente elektrische Störgrößen/BURST *Electrical fast transient/burst immunity test*
EN 61000-3-2 : 2001	Grenzwerte für Oberschwingungsströme *Limitations for harmonic currents*
EN 61000-3-3 : 2002	Grenzwerte für Spannungsschwankungen und Flicker *Limitations of voltage fluctuations and flicker*
EN 60950 : 2001	Sicherheit von Einrichtungen der Informationstechnik *Safety of information technology equipment*

Dieser Erklärung liegt zugrunde: Prüfbericht(e) des EMV-Prüflabors
This certification is based on: Test report(s) generated by EMI-test laboratory

Braunschweig, 14. Juli 2005 / *July 14th, 2005*

Mirko Schwarz
Hardware Engineering

Mathias Pfleiderer
Director Material Management
(Rechtsverbindliche Unterschrift / Legally Binding)