PCTV USB Stick
Hardware

pinnacle

GB

PCTV USB Stick Hardware

User ’s Guide

GB January 2006

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Introduction

Congratulations! You are now the proud owner of a PCTV USB Stick!

A PCTV USB Stick allows you to receive digital terrestrial television in accordance with DVB-T (Digital Video Broadcasting - Terrestrial) standards and guarantees excellent picture quality on your PC.

The PCTV USB Stick has optimized reception and functions independently of the power supply. This makes it the perfect mobile solution for receiving digital television on your laptop computer.

In addition to Live TV, a PCTV USB Stick also makes time delay television (Timeshift) available, as well as offering you the option of recording programmes on your hard disk - without any deterioration in sound or image quality.

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

Other services, including digital radio via DVB-T, are also planned for the future and are already available in some regions.

And now, time to have fun with your PCTV USB Stick!

 More information about DVB-T can be found on the Internet at www.dvb.org or at www.freeview.co.uk. For Australia go to www.dba.org.au.

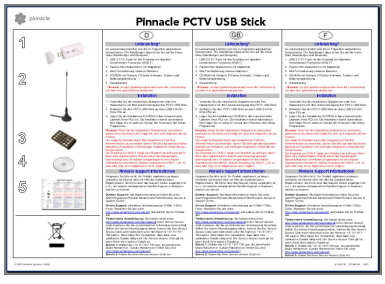
Box contents

PCTV USB Stick

Passive mini rod antenna with magnetic foot
(this illustration is an example only)

Mini remote control including batteries
(this illustration is an example only)

Installation CD



Quick Start instructions

The box contents may vary depending on your product version.

System requirements

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

Processor

Minimum: Pentium III 1.0 GHz
or equivalent AMD Athlon XP processor (SD only)

Recommended: Pentium IV 2.2 GHz, Pentium M 1.3 GHz
or equivalent AMD Athlon 64 processor (SD and HD)

Operating memory

Minimum: 256 MB RAM

Recommended: 512 MB RAM

Hard disk

Minimum: IDE hard disk with master mode drivers and 5 GB of free disk space

Recommended: U-DMA hard disk with 20 GB of 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 2.0 (“hi-speed”) port

CD-ROM / DVD-ROM drive or recorder

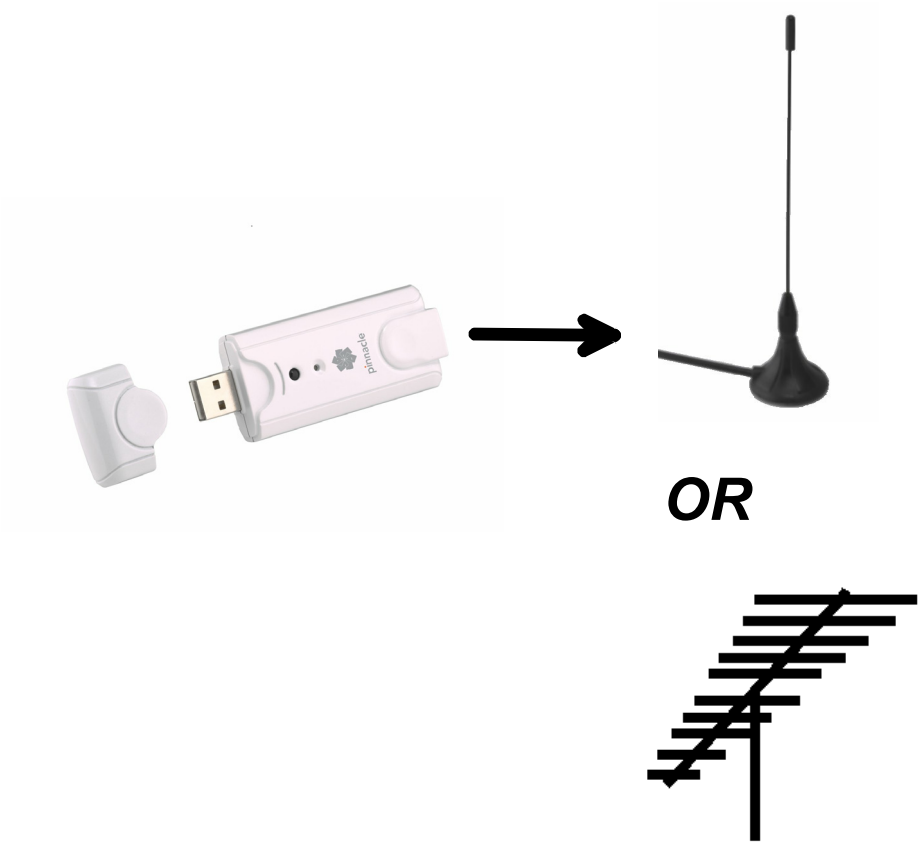
Minimum: CD-ROM or DVD-ROM drive
Recommended: CD or DVD recorder

Operating system

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

Connecting the antenna

Connect the rod antenna provided, or your household antenna, to the antenna input on the PCTV USB Stick **before** connecting the PCTV USB Stick to a computer.



Use a suitable cable to connect a household antenna. Please note that the quality of the cable has a significant effect on reception.

Positioning tips for the rod antenna

Should you choose to use the rod antenna (optional) contained in the box to receive a television signal, please read the following instructions (these instructions do not apply to other antennas):

- If possible, place the antenna near a window.
- In addition, position the antenna as high as possible.
- The antenna should not be placed near a cathode ray tube monitor or television or similar equipment.

 To avoid possible damage caused by the magnetic field around the antenna's feet, ensure that the latter is placed at a sufficient distance from the hard drive and other components that are sensitive to magnetic forces. DVB-T reception is dependant on location and may be impaired by steel-reinforced walls as well as tall neighbouring buildings. In this type of environment an external/roof antenna is required. It is not generally possible to receive DVB-T on the move, e.g. in a car or train.

Connecting to a computer

Once you have connected the antenna to the PCTV USB Stick, plug it into a free USB 2.0 port on your PC.

Using the remote control

Should you wish to operate the PCTV USB Stick using the remote control, which is supplied as an optional extra, please ensure that the remote control is aimed as directly as possible at the PCTV USB Stick housing.

Technical data

Bus system

USB 2.0 (“hi-speed”)

Power consumption

480mA (5V)

TV tuner

Frequency range 42 - 860 MHz (VHF and UHF).

DVB-T demodulator

16.64 QAM, QPSK
6, 7, 8 MHz bandwidth

Antenna input

75 Ohm IEC

Dimensions

84.25 x 31.70 x 15.45 mm

Weight

Approximately 27 g

Operating temperature

0°C - 50°C at 5% - 95% relative humidity

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 USB Stick**

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

Dokument-Nr. *Document No.*	Titel *Title*
EN 55013 : 2001	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 : 2002 + A1:2003	Störfestigkeit von Rundfunkempfängern und verwandten Geräten der Unterhaltungselektronik *Electromagnetic immunity of broadcast receivers and associated equipment*
EN 55022 : 1998 + A1:2000 + A2:2003 Class B	Grenzwerte und Messverfahren für Funkentstörungen von Einrichtungen der Informationstechnik *Limits and methods of measurement of radio interference characteristics of information technology equipment*
EN 55024 : 1998 + A1:2001 + A2:2003	Störfestigkeitseigenschaften für Einrichtungen der Informationstechnik - Grenzwerte und Prüfverfahren *Immunity characteristics for information technology equipment - limits and methods of measurement*
EN 61000-4-2 : 1995 + A2:2001	Störfestigkeit gegen Entladung statischer Elektrizität *Electrostatic discharge immunity test*
EN 61000-4-3 : 2002	Störfestigkeit gegen hochfrequente elektromagnetische Felder *Radiated, radio-frequency, electromagnetic field immunity test*
EN 61000-4-4 : 1995 + A2:2001	Störfestigkeit gegen schnelle transiente elektrische Störgrößen/BURST *Electrical fast transient/burst immunity test*
EN 61000-4-5 : 1995 + A1:2000	Störfestigkeit gegen Stoßspannungen/SURGE *Surge immunity test*
EN 61000-4-6 : 1996 + A1:2000	Störfestigkeit gegen leitungsgeführte Störgrößen, induziert durch hochfrequente Felder *Immunity to conducted disturbances, induced by radio-frequency fields*
EN 61000-4-8 : 1993 + A1:2000	Störfestigkeit gegen Magnetfelder mit energietechnischen Frequenzen *Power frequency magnetic field immunity test*
EN 61000-3-2 : 2000	Grenzwerte für Oberschwingungsströme *Limitations for harmonic currents*
EN 61000-3-3 : 1995 + A1:2001	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, 09. Januar 2006 / *January 9th, 2006*

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(Rechtsverbindliche Unterschrift */ Legally Binding*)