

## DVB-PC TV Stars PCI / USB FAQ for Driver/Software 4.4.1

Release 03/2007 (BETA)

### **Contents**

This README.TXT file provides information on the following topics:

- Support information
- Requirements
- Important information
- Troubleshooting

### **Support information**

For the latest information on products and support, please visit our homepage: <http://www.technisat.com/>. Owner of a box that is bundled to a service like Europeonline, Netsystems, OpenSky or T-DSL via satellite should contact the service provider's support directly. Please review documentation of the service provider to get detailed contact information.

Before asking TechniSat for technical assistance, read the manuals and the FAQ of DVB-PC TV first please.

Visit <http://www.technisat.com> for current driver releases. There is no need to install prior software versions than 4.4.1 on your computer and there do exist compatibility problems with new DVB-PC TV Stars devices in combination with old/prior versions. TechniSat no longer supports prior driver versions.

TechniSat only provides product and customer support for the software, which was part of the hard-/software package or downloaded from our websites. If problems occur during the usage of 3<sup>rd</sup> party software, please check, if a similar problem occurs during operation using the TechniSat software. If the problem doesn't occur during operation in combination with TechniSat software, please get in contact with the developer of the 3<sup>rd</sup> party software.

If the DVB-PC TV Stars device is altered or damaged using tools downloaded from the Internet, warranty is void and no support or replacement will be given. If your card is locked, please read this FAQ, a solution for this problem is given later in this document.

### **System requirements**

- IBM compatible PC with Pentium III 700 MHz or higher
- At least 256 MB RAM
- At least 30 MB free hard disk space
- SoundBlaster compatible audio card
- 3D graphic card recommended (with hardware overlay support, up to date drivers)
- Supported operating systems:
  - Windows 2000 Professional/Server (Service Pack 4 required)
  - Windows XP Home/Professional (Service Pack 2 required)
  - Windows XP Professional x64 Edition
  - Windows Server 2003
  - Windows Vista x86/x64

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- Additional requirements:  
Internet Explorer 6 or higher  
DirectX 9 or higher  
MediaPlayer 9 or higher  
at least 10GB or more hard disc space necessary for PVR functionality

### **Additional system requirements for PCI devices**

- one available PCI slot (do not use the one directly under AGP graphic card, if possible)

### **Additional system requirements for USB devices**

- one available USB1.1 port (must be connected directly to PC, not by using a USB hub)

### **Recommended system requirements for MPEG-2 HDTV reception**

- TechniSat SkyStar 2 TV PCI / AirStar 2 TV PCI / CableStar 2 TV PCI
- IBM compatible PC with Intel Pentium 4 or AMD Athlon XP CPU with 2400 MHz or higher
- State of the art AGP or PCI-Express graphic card recommended (with MPEG2 hardware acceleration, hardware overlay support and up to date drivers)
- Recommended operating systems:  
Windows 2000 Professional (Service Pack 4 required)  
Windows XP Home/Professional (Service Pack 2 required)  
Windows XP Professional x64 Edition  
Windows Vista x86/x64

### **Recommended system requirements for MPEG-4/h.264 HDTV reception (optional)**

- TechniSat SkyStar 2 TV PCI / AirStar 2 TV PCI / CableStar 2 TV PCI
- IBM compatible PC with Intel Pentium 4 DualCore 830 or AMD Athlon X2 CPU with 2 x 3000 MHz or higher
- At least 1024 MB RAM
- State of the art PCI-Express graphic card with 256 MB RAM or higher, with MPEG-4 hardware acceleration, hardware overlay support and up to date drivers)
- Recommended operating systems:  
Windows XP Home/Professional (Service Pack 2 required)  
Windows XP Professional x64 Edition  
Windows Vista x86/x64

## **1. Installation**

### **1.1 Hardware**

- Question: Are there any known compatibility issues in combination with main boards, which are based on the nVidia nForce 4 chipset?
- Answer: Currently it is known, that our PCI cards are not compatible to most mainboards, which are based on the nVidia nForce4 chipset.
- Question: I want to use two DVB-PC TV Stars PCI cards or USB boxes in one computer system at the same time, is this possible?
- Answer: It is possible to use multiple PCI cards and USB boxes within one system simultaneously (based on the used application) since release 4.4.0.  
Currently there is one limitation: it is possible to operate one USB box for each USB host controller only.  
If you use a multiple number of PCI cards, you have to calculate with a current of 4A on the 5V rail for each of the used TechniSat DVB-PC TV Stars PCI card.
- Question: My DVB-PC TV device is shown with a yellow exclamation mark in the device manager of Windows and will not work. Is it possible to activate/reactivate my DVB-PC TV device?
- Answer: Deactivate all installed network devices in device manager and shutdown your system. Locate the jumper nearby the TechniSat Flexcop chip and if there is a jumper, set it from open to close. After this start the system again and activate all devices, you deactivated before.
- Problem: Sound Blaster incompatibility
- Solution: Change the IRQ settings to solve the IRQ conflict with the DVB-PC device assigned IRQ or try to update the driver for the sound device.
- Question: I have a motherboard with VIA chipset on it. Does it cause any problems?
- Answer: Make sure you installed the latest software patch from the VIA web site to enable full performance of your motherboard chipset. Otherwise the bad PCI performance can cause data loss / malfunction during operation of the DVB-PC device.
- Question: I have a SMP (simultaneous multi processing), HT (hyper-threading), or DualCore computer system. Does it cause any problems?
- Answer: SMP and HT systems are supported since driver version 4.2.11. If you are using older drivers than 4.2.11 your system will crash. Download the latest drivers from <http://www.technisat.com/> and install the latest drivers and applications.

### **1.2 Drivers**

- Question: I want to install the latest software release on my Windows NT4, Windows 98SE or Windows Me system. Is it still possible?
- Answer: No, Windows NT4, Windows 98SE and Windows Me are no longer supported by our driver and software components.

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- Question: When I installed the driver 4.2.11, my CPU usage is 8-25%, until I tuned a transponder using Server4PC or DVBViewer TE.
- Answer: Download the latest driver release 4.4.1 from <http://www.technisat.com/> and install this release using the upgrading hints from the FAQ or User's Guide Part 4.
- Problem: I want to start the installation by double-click setup.exe but an error message pops up
- Solutions: The driver not loaded message occurs when the current DVB-PC device driver is installed. The DVB-PC device driver is unable to operate and the "Error Code 10" is shown in the device manager.  
*This device is either not present, not working properly, or does not have all the drivers installed. (Code 10)*  
*Try upgrading the device drivers for this device.*  
Regarding the information from the Microsoft Knowledge Base Article 310123, you have to update the driver for this component.  
After you did this, another device is failing with Error Code 10.  
This problem is caused by old driver versions, which do not support the functions of modern computer systems (e.g. ACPI).  
You have to update the drivers for your mainboard, network interface card, soundcard and graphics adapter to the current version to solve the problem, possibly you also have to update your system BIOS. If all described procedures do not work, you have to reinstall Windows without using ACPI. More information about deactivating ACPI in windows installer see Microsoft Knowledge Base Article 299340.
- Please clean the PCI interface (golden fingers) using an eraser. Then try again.
- Problem: DVB Receiver and any network interface card, IP address conflict.
- Solution: You should assign a static IP address of 192.168.238.238/255.255.255.0 to the DVB device.
- Question: I like to install the new software for SkyStar2; what should I pay attention to?
- Answer: Remove the TechniSat software at „Control Panel" => "Add/Remove Programs". Delete the TechniSat software folders "C:\Program Files\DVBViewerTE" and "C:\Program Files\TechniSat DVB" then and uninstall the driver "B2C2 Broadband Receiver" or "TechniSat DVB-PC TV Star" at "Device Manager" and restart your computer. After finishing this procedure, you should install the new software.
- Problem: I installed the hardware and the drivers successful, but the card is not getting any tuner lock. The satellite reception equipment is configured correctly and I can receive channels using a common digital set top box.
- Solution: Install the card into another PCI slot in your system and install the drivers again, after the "New Hardware Found Wizard" started up. There is a chance that the card will work properly after this procedure.
- Please clean the PCI interface (golden fingers) using an eraser. Then try again.

## 1.3 Software

- Problem: The installation of the software stops and says that Windows XP Service Pack 2 is required.
- Solution: Please install the Windows XP Service Pack 2 to your computer. You can download the Service Pack at <http://www.microsoft.com> or via the automatic update function of Windows XP.
- Problem: The installation of the software stops and says MediaPlayer and DirectX recommended.
- Solution: Please download from Microsoft website the latest version of MediaPlayer and DirectX and install it. Another requirement is the latest version of Internet Explorer 6.  
Afterwards you should be able to run the installation process.
- Problem: Starting setup.exe results in a missing “\_setup.dll” error message
- Solution: It seems you have downloaded the software and extracted the zip file without the enclosed path-information. Check configuration of the archive tool used to unzip the downloaded file and reconfigure it.  
Unzip and try installation again.

## 2. Operating

### 2.1 General

- Problem: My signal indicator drops from 0 % up to 50 % within a few seconds.
- Solution: Check the valid function of your receiving equipment (dish & cable). If this is OK please check if your system is installed in ACPI mode. If yes, try to use the DVB card in another PCI slot on your motherboard. You also might try to update your system drivers. If this does not solve the problem, you have to disable ACPI. This makes a new installation of the operating system necessary. More information about disabling ACPI during windows installation see Microsoft Knowledge Base Article 299340.

### 2.2 Server4PC / Data reception

- Problem: After Windows start up Server4PC indicates “No signal” and I can hear glitches and cracking noise within the sound output of my soundcard.
- Solution: Server4PC will indicate a tuner lock (green icon) only, if the application has tuned a transponder successfully. If no transponder can be received using the current settings, the indicator will be red. If you select a data profile, which is located on one of the satellites, you are able to receive, the signal indicator will change to green and the cracking noise will vanish.
- Question: I want to receive a service but do not know the satellite and data settings?
- Solution: Most known services across Europe are already preconfigured in the software. Just go to system tray, click right and select from the menu the data service you want to receive. That is it. In case the settings have changed you have to contact the customer support of your Internet service provider to get further help and information.

## 2.3 DVBViewer / Audio/Video Reception

- Problem:** After I switched the current channel to another, the picture seems somehow strange. The aspect ratio is not correct and the position of the video within the display area is not correct.
- Solution:** We use a fast channel switching method, which is not compatible to some MPEG-2 decoder solutions. Please disable the option "Fast channel switch" at "Settings" => "Options" => "Enhanced". The picture should appear normal now.
- Problem:** During operation I receive the error message "Cannot locate b2c2 mpeg2 filter audio/video ctrl. interface, error: 91000101".
- Solution:** This problem is caused by some faults within the release 4.3.0. The problem is fixed since release 4.4.0. Please remove all installed components and update the driver and software components.
- Problem:** There are shown items in the EPG window, but the EPG info does not show anything, except the current TV station and the system time.
- Solution:** The shown EPG information depends on the system time and date. Check if the system date and time are configured correctly. After the system time is corrected, the EPG should show the correct information.
- Question:** Can I receive the SFI data without connection to the satellite Astra 19.2°E?
- Can I receive the SFI data with my AirStar 2 TV PCI, AirStar USB or CableStar 2 PCI?
- Answer:** No, the SFI information is broadcasted via Astra 19.2°E only. The SFI data cannot be received with your AirStar 2 TV PCI, AirStar USB or CableStar 2 PCI.
- Problem:** The SFI download takes a long time to complete.
- Answer:** The SFI are transmitted with a very low bandwidth on the satellite. The download process might take up to 45 minutes.
- Question:** Can I download the SFI information via Internet?
- Answer:** No, the SFI information are available via satellite (Astra 19.2°E) only.
- Problem:** When I start the DVBViewer TE, sometimes it takes a long time, until the DVBViewer TE shows any channel.
- Solution:** The used MPEG-2 codec takes a while until it is ready to be used. Normally the decoder is ready in a couple of seconds, but sometimes it needs up to 40 seconds to display.
- Problem:** When I choose a HDTV channel in DVBViewer TE, no picture is shown, the video stops and resumes again and again, or large coloured fields are shown in display area.
- Solution:** Check, if your PC matches the system requirements for HDTV reception. If yes, update the chipset and graphics card drivers to the latest version available.  
If you are using an onboard graphics adapter, this device might not be able to show HDTV content, upgrade your graphics board to an AGP/PCIe card with MPEG2 hardware acceleration and hardware overlay support.

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- Problem:** The video stops from time to time and little squares appears  
**Solution:** Please check the quality of the input signal. The minimum satellite signal should be 50- 55 dbμV or the level indicator in Setup4PC or DVBViewer should be minimum 55-65 % for proper TV function. Another possible source of trouble can be your graphic card that must support hardware overlay. Please check the documentation of the graphic card if hardware overlay is supported and make sure latest driver for the graphic device is installed. If you are using an AirStar 2 PCI Card or AirStar USB box you should check the signal quality and BER using Setup4PC. If the problem is caused by a bad signal quality you should correct the position or alignment of the used antenna.
- Problem:** WinLIRC is configured correctly and the remote control is enabled in DVBViewer, but the remote control will not work with Windows XP SP2.  
**Solution:** It is possible, that the Windows Firewall blocks WinLIRC. You can unlock the WinLIRC in "Control Panel" => "Security Center" => "Manage Security Settings for: Windows Firewall", then switch to the "Exceptions" tab. Search the entry "ts\_winlirc" and enable the checkbox. Press "OK" to confirm the setting.
- Problem:** After installation of DirectX9 my DVBViewer doesn't work anymore.  
**Solution:** DirectX9 installation overwrites some needed files and settings. This requires reinstalling the user software again. A new driver installation is not needed. Go to start/settings/control panel/software and remove the "TechniSat DVB" package. After reboot take your installation CD or downloaded and extracted files. Go to subdirectory INSTALL. Click the SETUP.EXE and follow the instructions given during software installation. Reboot afterwards.
- Question:** I have successfully installed the software logged in as administrator using Windows 2000/XP/XP x64/2003. When I log in as a user with restricted rights, the following error message appears: "The Microsoft Jet database engine cannot open the file 'C:\Program Files\DVBViewer\epg.mdb'. It is already opened exclusively by another user or you need permission to view it's data."  
**Answer:** It is recommended that you are logged in as administrator or the user has administrator rights on the computer. If you have experience in changing permissions of folders and files, you should add "Full Control" permissions for "Everyone" to this file.
- Problem:** I have some trouble with recorded programs, which contain AC3 audio tracks.  
**Solution:** Sometimes AC3 sound causes trouble while played with DVBViewer or other applications. In channel list, there is a checkbox "AC3" for every channel. Verify, if this checkbox is selected for the channels with AC3 sound.
- Question:** I want to enter an IP address into the field "Multicast IP Address" of the IP-Settings option of DVBViewer TE, but after I entered the address the field remains red. What is the problem?  
**Solution:** The multicast IP-address range is specified in RFC1112. This document specifies the range 224.0.0.0 through 239.255.255.255 for the purpose of IP multicast. Other addresses are not allowed, so the

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DVBViewer TE is programmed to deny IP addresses which are not reserved for IP multicast.

- Problem: After I started the multicast transfer, my network slows down.  
Solution: Please ensure that you are using a 100MBit/s Ethernet Hub, a 10/100MBit Ethernet switch or a direct cable connection between the streaming server and client.
- Problem: The multicast does not work properly in my wireless 802.11b/g WLAN  
Solution: Sending high data rate IP multicast streams over a wireless LAN might overload the used WLAN. Use a cable connection for IP multicast streaming.
- Problem: The multicast stream worked fine for a couple of minutes, and then the transfer stopped and the whole network is not accessible.  
or  
The multicast option does not work after I changed the IP address of my LAN interface without reboot.  
Solution: Reboot your machine and try again.
- Problem: My DVBViewer TE is not streaming into my local area network and traffic is shown at the "TechniSat DVB-PC TV Star" interface. What's wrong?  
Solution: Reboot your machine. If the multicast is not sent to the LAN interface, check your LAN connection and if your network components are connected properly and all devices are operable.
- Problem: I have a TechniSat DVB PCI card or USB box operated with the latest software release and the multicast streaming doesn't work properly. Data are sent to the network, but the VLC is not able to receive the content.  
Solution: Use Netmeter to check, if there is traffic streamed into your network. If traffic is indicated within your local network on the streaming server, you should do the same on the client PC. The indicated traffic should be similar to the traffic indicated on the server. If the streaming is working, but the stream cannot be received with VLC, you should remove all channels from the channel list and scan for channels and try again.
- Problem: After the start of DVBViewer TE, the error message "division through zero" appears and the DVBViewer TE is not operable.  
or  
The picture shown by DVBViewer TE is freezing and sound glitches appear after the installation of a DVD-player software.  
Solution: It might be possible, that the problems are caused by different MPEG-2 codecs, which are installed on the machines.
- Sonic MyDVD:  
To solve the problem, you have to remove the audio filter of Sonic MyDVD. This procedure will be done under the usage of the command line application RegSVR32.exe. Locate the file Impgad.ax and remember the path. Press "Start" => "Run" and enter the following command: regsvr32.exe /u "<PATH>\Impgad.ax"  
After the procedure is completed, you have to restart you system.



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- Problem: I use multiple TechniSat DVB-PC TV Stars within my computer, but I can open one DVBViewer TE only.
- Solution: Since release 4.4.1 the TV application DVBViewer TE support multiple cards/USB boxes simultaneously. Please read the users guide of DVBViewer TE 4.4.1 for further information.
- Problem: After a channel scan I can see some channels with the suffix “h.264”. If I select one of those channels nothing happens.
- Solution: Those channels are using MPEG-4/h.264 instead of MPEG-2. Please install a MPEG-4/h.264 decoder to the system to watch those channels.

### 3. Other

- Problem: If I switch to another user using the “Fast User Switching” function of Windows XP
- Server4PC will not appear
  - the audio playback of DVBViewer TE will stop
- Solution: If you switch to another user, the application requested is still running and cannot be started for a second time. You should log off the system and log on with the other user. Then you will get Server4PC and you are able to start DVBViewer TE without any problems
- Question: I have installed other software (e.g. alternative TV software, unlock or EEPROM tools) and my DVB-PC device is unable to operate (no TV or IP reception, but tuning works). Is it possible to fix the DVB-PC device?
- Answer: You should try installing a clean Windows 2000/XP with the current Service Pack, MediaPlayer9 and DirectX9. Then install the software release 4.4.0 or higher to your system. After this procedure the DVB-PC device should work again. If you altered the firmware of your DVB-PC device by using a tool, you may have damaged the firmware and this procedure won't work. Please note, that after the usage of a tool to modify the firmware of the DVB-PC device, the warranty is void and TechniSat will give no support or replacement.
- Question: I want to develop my own application for TechniSat DVB-PC devices. What do I need?
- Solution: Check the TechniSat website <http://www.technisat.com>. There you'll find a Windows SDK for our DVB-PC device products. No support for the SDK will be available.
- Question: Are there drivers for Linux available?
- Answer: TechniSat doesn't provide drivers, software and customer support for Linux operating systems. There are open source projects existing, which are developing drivers for many DVB cards. <http://www.linuxtv.org> is one of those projects.
- Question: Do you provide BDA drivers for Windows XP Mediacenter Edition?
- Answer: Since release 4.4.1 we also provide BDA drivers for our TechniSat DVB-PC TV Stars PCI cards and USB2.0 boxes. Please read the FAQ of the BDA driver package for further information about those drivers.