**TechniSat**®

# DVB-PC TV Stars

## User's Guide Part 1
## Installation

## User's Guide Part 2
## Setup4PC/Server4PC

## User's Guide Part 3
## DVBViewer

**This manual covers the following products:**

TechniSat SkyStar 2 PCI / USB
IP reception

Version 4.4.1

**TechniSat DVB-PC TV Stars - Users Guide Part 2: Setup4PC/Server4PC**
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# Chapter 1: Introduction

## *Defining the TechniSat DVB-PC TV Stars*

### Defining SkyStar 2 PCI/USB

SkyStar 2 PCI is a small board that is plugged into a PCI slot of your computer. The SkyStar USB is the USB version that is connected to a USB1.1 port of your computer. It gives you unlimited access to Internet services and any "Free To Air" broadcast digital satellite television channel (DVB-S).

### Using IP services with a DVB-PC TV Star Device

The TechniSat DVB-PC TV Stars products will request all information by ground-based Internet. In response the requested data will be delivered using satellite, broadband cable or terrestrial systems at high speed.

## *Using printed help*

The DVB-PC TV Stars product range includes the 4 parts of the Users Guide (Part 1: "Installation" / Part 2: "Setup4PC/Server4PC" / Part 3: "DVBViewer TE" / Part 4: "Troubleshooting").

## *User's guide conventions*

For clarity, the User's Guide employs the following conventions:
1. Navigation paths are represented as follows:
> ***"Start" => "Programs" => "TechniSat DVB" => "Setup4PC"***
> The path shown in this example launches Setup4PC

2. Pay attention to the following:

 This icon designates a note, which is an important information to the description above.

 This icon designates a warning, which is an important information to the description above.

3. The DVB-PC TV Stars TV application "DVBViewer TechniSat Edition" is designated in the following as "DVBViewer TE"

## *User Task Summary*

Steps to perform basic user tasks are summarized below.

### Step one: Configuring Setup4PC and Server4PC for data reception

Follow the steps to learn about the functionality of Setup4PC and Server4PC for your device (SkyStar 2, SkyStar USB)

# Chapter 2: Describing the functionalities

## *Overview*

This chapter explains the functionalities of Setup4PC/Server4PC in combination with your DVB-PC TV device and which settings you have to make to setup for data reception.

Server4PC is necessary for data reception only. If you want to know, how to configure software for TV reception and don't want to know how to setup your card for data reception, continue with the third part of this manual.

If you operate a number of TechniSat DVB-PC TV Stars devices, there will appear one Server4PC icon for each device installed to the system. The data service handling of all devices is independent from each other.

The MAC address of each device assigned to a Server4PC icon is shown within Setup4PC device selection and as hover tool tip text of Server4PC. Each TechniSat DVB-PC TV stars will have one IP address assigned to.

For data reception services, like "Internet via DVB-T" you also need provider or service specific software, which receives the data from the DVB device. This software is not shipped within the DVB-PC TV Stars package. For further information contact your Internet service provider.

For most Internet services you need a return channel, which can be a PSTN, ISDN, GSM/GPRS/UMTS or network connection to the Internet. Ask your Internet service provider for further information about the return channel, which is required for the service.

Data reception is not possible if you are using Server4PC and the TV application DVBViewer at the same time. If you want to receive data, you have to close the active DVB TV application.

## *SkyStar2 PCI/USB*

### Open Setup4PC

You reach Setup4PC by right clicking onto the Server4PC Icon  and select the Setup4PC option:



*Figure 2.1: Server4PC Context Menu*

 Possible states of Server4PC (SkyStar 2 TV PCI / SkyStar USB)

 Transponder tuned. The Server4PC is ready to receive data from the satellite using the settings of the selected data profile or TV/radio using the running TV application.

 No channel tuned. This might be possible, if no transponder is tuned by a TV application, no data profile is selected or no data profile is available.

 No TechniSat DVB TV Stars device available. In this case you should check, if the driver for the PCI card or USB box is installed correctly and if the device is working properly.

Now, the Setup4PC window appears:
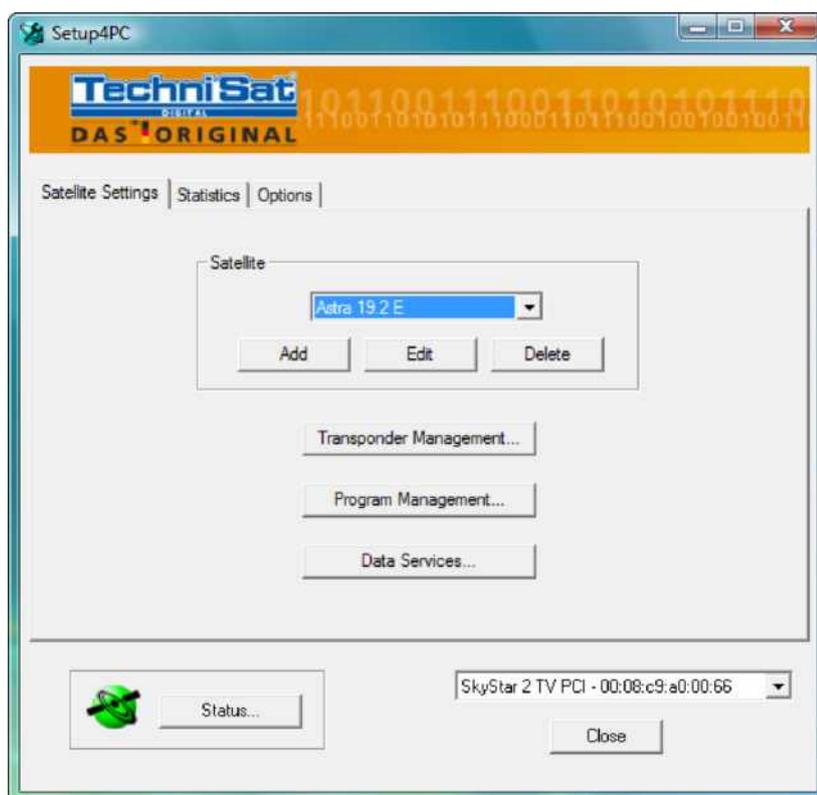


*Figure 2.2: Setup4PC - Satellite Settings*

## Configuring satellite settings

The first options you have to configure are your satellite settings. A number of satellites are already preconfigured, so that you only have to select them. If your satellite is not preconfigured, you have to do the setup.

If you are using a DiSEqC multiswitch, you have to change the DiSEqC settings to your needs.

For a correct satellite configuration you need the LOF1, LOF2 and the switch frequency. If you are using DiSEqC switch components, you also need to know the DiSEqC port the LNB is connected. If no DiSEqC is used, choose "None".
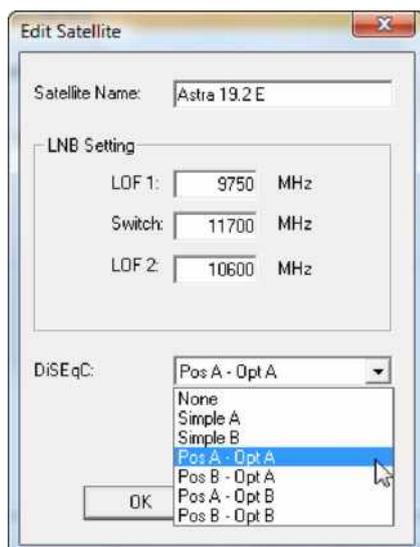
*Figure 2.3: Edit Satellite*

Press "OK" to confirm the settings.

## Managing transponder

Next step is the configuration of the transponder management. You have to use the "Transponder Management" button in Setup4PC "Satellite Settings".
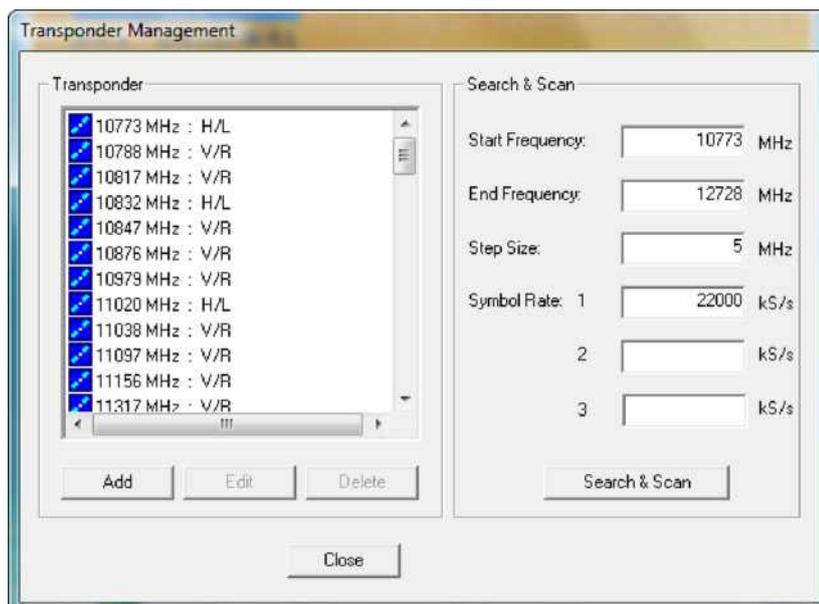


*Figure 2.4: Transponder Management*

If you choose a preconfigured satellite, those settings have already been made. If not, you have to set those options.
There are two ways of adding new transponders: adding the transponder manually and by automatic scan.

## Add transponders manually:

Click the "Add" button on transponder management and this window appears:
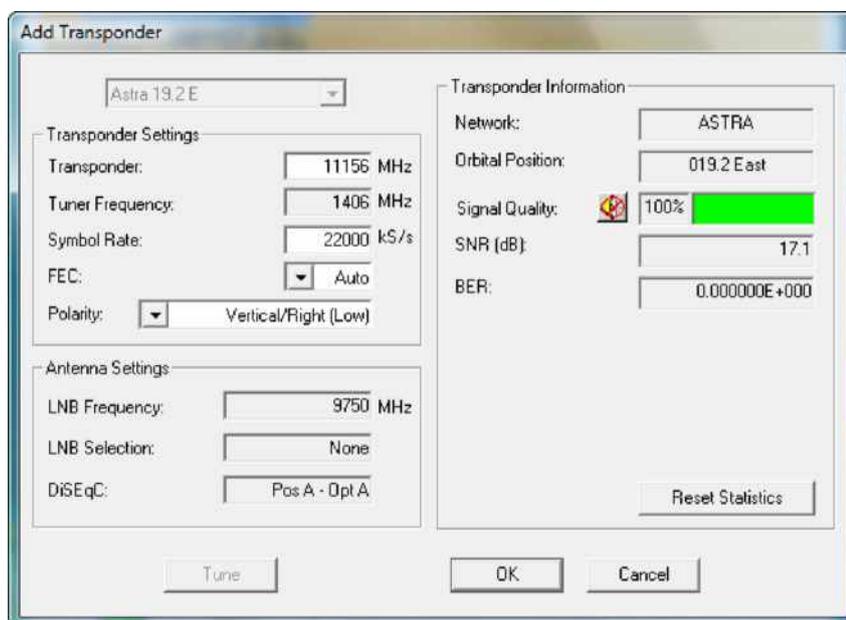


*Figure 2.5: Add Transponder*

Enter the necessary values of the transponder you would like to add and click "OK" to confirm.

## Scan for transponders

In this case you have to enter the start and end frequencies, the step size and up to three symbol rate values, which should be tested. After these values are entered, press "Search & Scan" to start the process.



*Figure 2.6: Scan*

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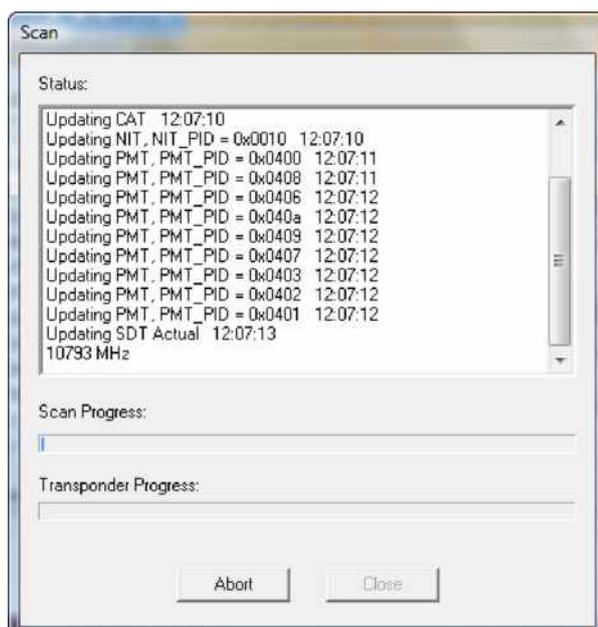
This process can take several minutes to proceed. After the process has finished all found transponders would be listed in the transponder list. Press "OK" to confirm the settings.

## Managing programs

⚠️ The option "Program Management" is not necessary for data reception. If you want to configure transponders for the purpose of watching TV and radio programs, you have to configure those options in the TV/PVR application DVBViewer TE. If you change the settings in Setup4PC, it has no effect to DVBViewer TE or any other applications.

## Managing data services

The last configuration step, you have to perform is the configuration of the data service. To configure those options click "Data Services" in "Setup4PC Satellite Settings".
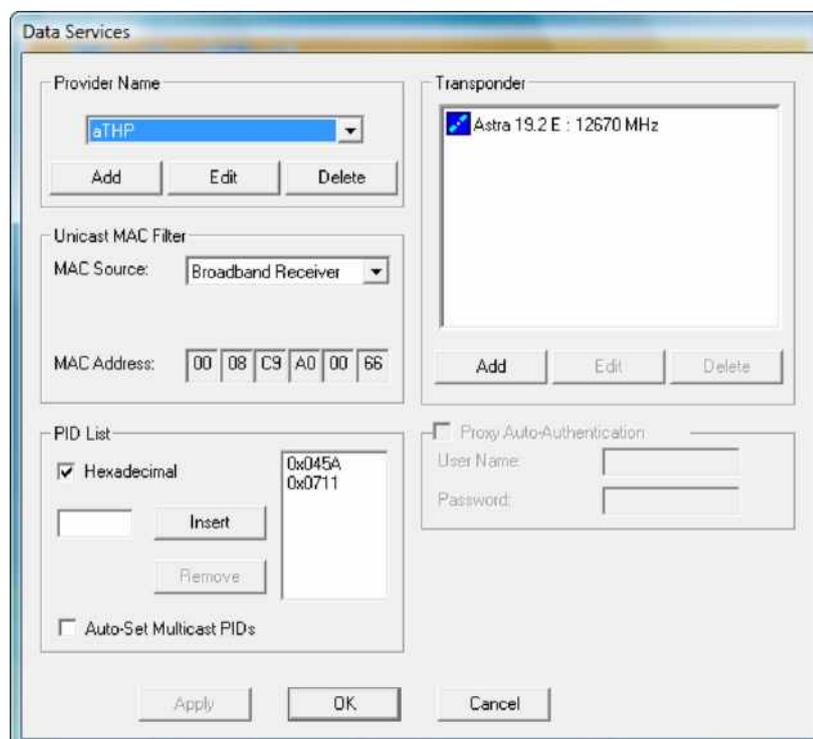


***Figure 2.7: Data Services***

In this tab you have to enter a service name using the "Add" button. After this you have to assign the transponder the service is hosted on. The last step is to enter the service PID's. Please pay attention to the numbering format of the PID values. They can be provided in decimal numbering (0-9) or in hexadecimal numbering (0-F). You can switch between both numbering systems by enabling/disabling the checkbox "Hexadecimal". The PID values will be transferred into the other format when changing this option.

You will get the data service information from your service provider.

## Other options of Setup4PC/Server4PC

<u>**Transponder Status:**</u>
On this tab the current used transponder settings and signal quality information are shown. Use this tab for checking the functionality of your satellite equipment.
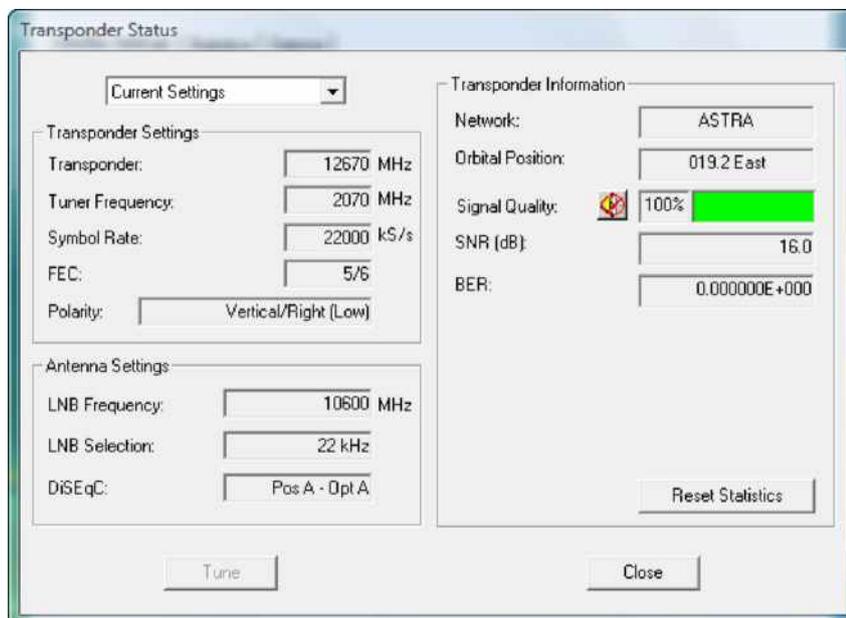


*Figure 2.8: Transponder Status*

<u>**Statistics:**</u>
To debug data reception, use the tab statistics. Here all assigned MAC addresses, active PID's and the data rates are shown.
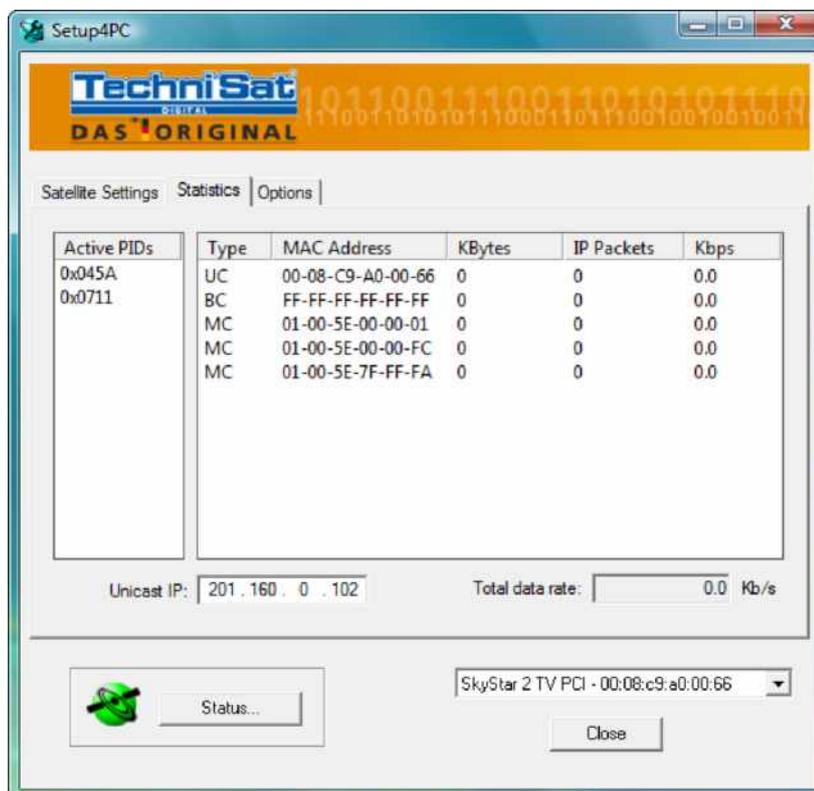


*Figure 2.9: Setup4PC – Statistics*

### Options:

Within the options tab you will find the controls for the automatic tuning mechanism based on the INT (IP/MAC notification table) mechanism. Please read the separate documentation for the automatic tuning, if you want to use this mechanism.
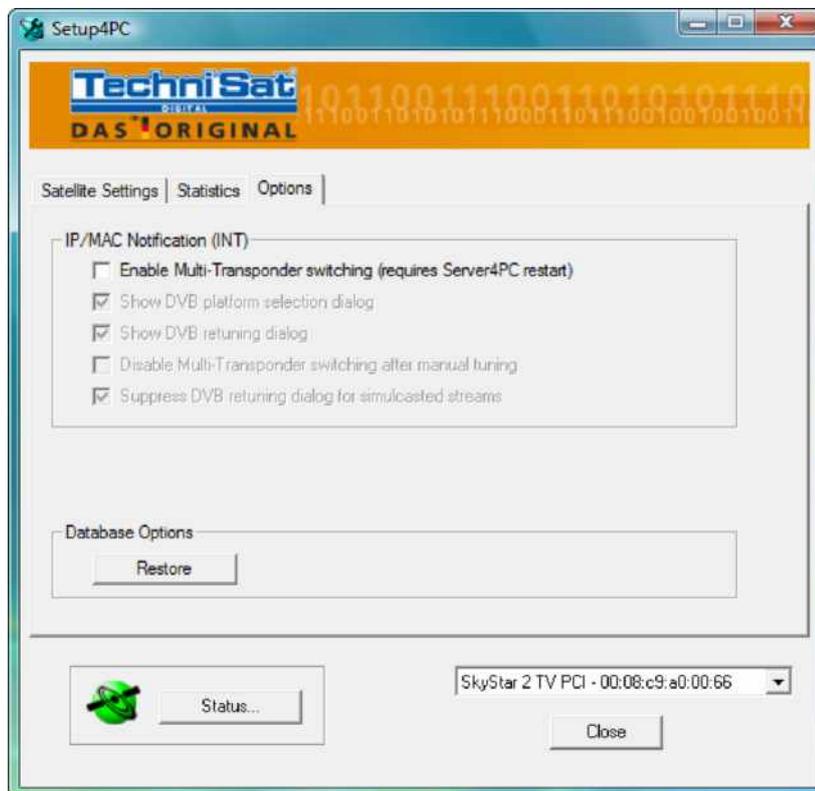


*Figure 2.10: Setup4PC - Options*