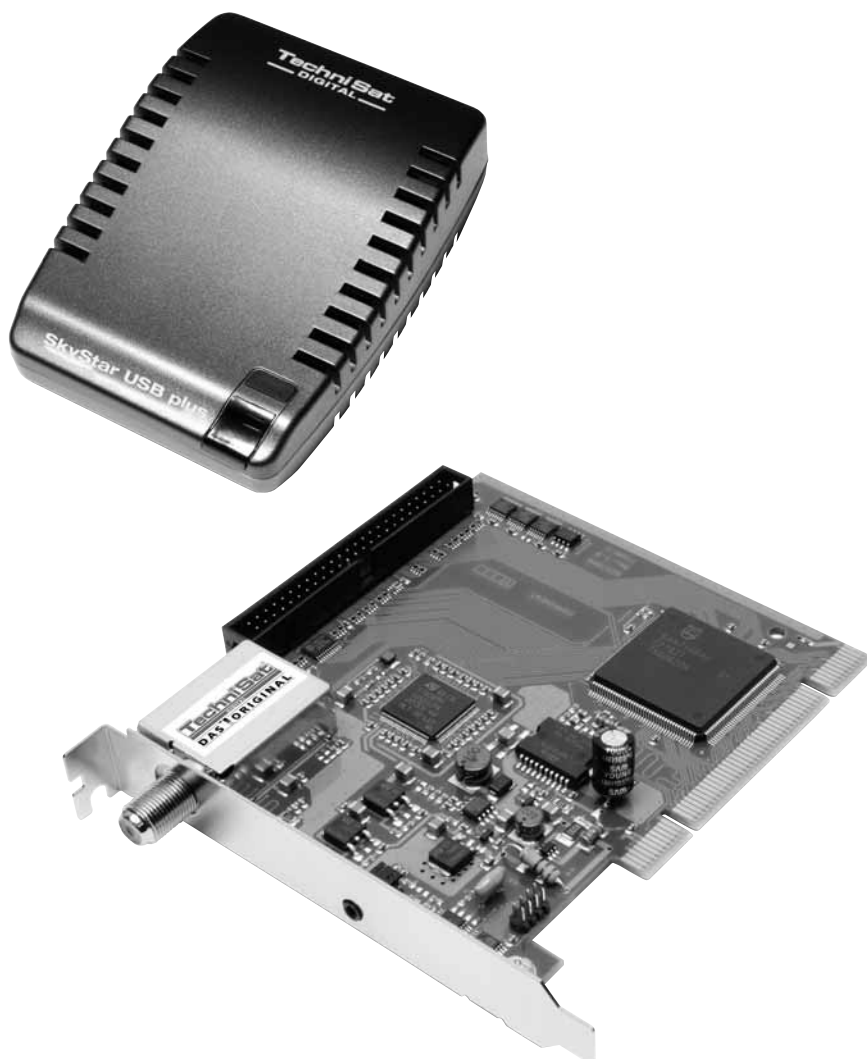


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# TechniSat<sup>®</sup>

## DIGITAL



## Manual

**TechniSat TV Center**

## 1 Table of contents

1	Table of contents	2
2	Introduction	3
2.1	Features	3
2.2	Requirements	3
	For HDTV:	3
3	Software and driver installation	3
3.1	Device driver	3
3.2	Application Software	4
4	The TechniSat TV Center software	4
4.1	First steps	4
4.2	Control elements	4
4.3	TV-window	5
4.4	Info-window	5
4.5	Channel list	5
4.6	Control bar (horizontal)	6
4.6.1	Exit program	6
4.6.2	Record control	6
4.6.3	Volume control	6
4.6.4	Picture in picture (PIP)	7
4.6.5	Window control	7
4.7	Control bar (vertical)	7
4.7.1	Display	7
4.7.2	Settings	8
4.7.3	Channel selection	8
4.7.4	List management	8
5	Channel search	9
5.1	Digital channel search	9
6	TV / Radio operation	9
6.1	Fast channel change (Swap)	9
6.2	Audio-Format	10
6.3	Sleep-Timer	10
7	Teletext	10
8	Programme information service	11
8.1	Extended Programme information service	11
8.2	Program magazine	11
9	Recording function	12
9.1	Record	12
9.2	Time controlled recording	12
9.3	Timeshift	14
9.4	Playback	15
10	Picture-in-Picture (PIP)	16
11	Settings	16
11.1	Region or satellite settings	17
11.1.1	Products for DVB-S reception	17
	DiSEqC/LNB/Satellite settings	17
11.2	Layout	17
11.3	Recording	18
11.4	Programme information service	18
11.5	DDraw	18
11.6	Audio	19
11.7	Keyboard	19

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## 2 Introduction

Dear customer, thank you for choosing the TechniSat TV Center software. This user guide will help you use the extensive and fascinating functions of this software.

### 2.1 Features

- Display, record and playback of TV and radio programs
- TimeShift TV recording capability
- Easy to use graphical user interface
- Current program information (programme information service now/next)
- Extended programme information service
- Individual program guide
- Easy to use timed recording features
- Automatic and manual channel search
- Teletext support with search and print capability
- Support for 4:3, 4:3 Letterbox, 16:9 and 2.21:1 video format (PAL only)
- MPEG-2 digital, HDTV and fully DVB compatible (ISO/IEC 13818-2, -3)

### 2.2 Requirements

- CPU Pentium III with 1 Ghz or better
- 256 Mbyte RAM
- 64 Mbyte free harddrive space
- PCI sound card
- PCI/AGP graphics card with at least 64Mbyte RAM (DirectX 9 support)
- 1 free USB 2.0-Port or PCI slot (depending on your TV equipment)
- CD-Rom drive for software installation

#### For HDTV:

CPU: 3,4 GHz Pentium 4 / 2,2GHz AMD 3500+ or better  
Dual Core Pentium 4 D820 / Dual Core AMD X2 3800+

Graphics card ATI X1800 / X1900 or NVidia 6600GT / 7600GT

This indications are for HDTV (1080i / MPEG4 (AVC/H.264)). This function is only usable with DVBS2 hardware (e.g.: SkyStar HD).

## 3 Software and driver intallation

### 3.1 Device driver

1. If you have purchased a PCI card (**e.g.: SkyStar HD**), turn off the computer and install it into a free PCI slot. If you purchased a USB receiver (**e.g.: SkyStar USB plus**) instead, you can leave the computer powered up. Simply connect the device with the supplied USB-cable to the computer.
2. Turn on your pc and log in with your username and password. Please note that you need administrator rights to perform the installation procedure.
3. The operating system automatically detects the new device and prompts you to install a suitable device driver. Insert the supplied cd-rom in your drive. The suitable driver information as well as the device drivers are located in the root directory of the Installation-CD.
4. After installing the device driver, you may have to restart the pc.

## 3.2 Application Software

1. Open Explorer and start the installation procedure by double-clicking the „Setup.exe“ file in the cd-rom's root directory.
2. The software installation begins and you are prompted to choose a language for the installation. Choose a language and click “Next”.
3. Wait until the installation is complete, then exit the setup program by clicking “Finish”.

You can now start the TechniSat TV Center using its start menu entry.

### Start dialog

The TechniSat TV Center enables to use two appliances of the same family (f.e. 2x DVB-S) coincidentally. You will be asked to choose the appliances when you first start the TV Software. Please choose both appliances in arbitrary sequence and confirm with „OK“.

You will come to the next dialog about the arrow symbol. There you will be asked about a certain hardware combination to erect a own link on your desktop. If you start the TechniSat TV Center with this link the saved hardware will be used and the start dialog will not be shown again.

## 4 The TechniSat TV Center software

### 4.1 First steps

The settings symbol can be found on the left side of the program window.





Open the “Record” tab and select a directory for storing recorded programs. Be sure that the drive you choose has enough free space to store your recordings, as a record may be aborted if it runs out of free disc space. The default storage location is the directory “C:\Documents & Settings\”. Videos use the subdirectory “My Videos”, radio recordings use “My Music”.

### 4.2 Control elements

In this chapter you can find an overview over the various TechniSat TV Center functions and learn about how to operate them.

#### Note:

The TechniSat TV Center uses a combined operating concept. Most of the important functions can be accessed with the mouse as well as with keyboard hotkeys. A list of hotkeys is included in the quick reference guide.

The TechniSat TV Center interface consists of three windows surrounded by a horizontal and a vertical button bar. The list window as well as the info window can be hidden at the push of a button. This is done using the  and  symbols.

#### Note:

You may change each of the windows' sizes by dragging their horizontal or vertical borders with the mouse cursor. The window size is stored upon exiting the application. If you reduce the window's size too much, not all of its content will be displayed anymore. This also concerns symbols on the button bars.

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### 4.3 TV-window

This window shows the channel's current TV program. It is also used to playback previously recorded videos.  
In radio mode the window remains empty.

### 4.4 Info-window

Here you can find information about the program. In addition to channel name, video and audio format and current time, the title of the current and following broadcast are also displayed along with a short description. The broadcast information is only available on some channels (pink). You can also find the status of Dolby Digital and H.264 here.

When watching a previously recorded broadcast the info window instead shows the record's title, which is composed of the channel name and the record date and the current time. A progress bar and a digital display represent the running time and total running time, as well as the current playback position inside the record.

### 4.5 Channel list

Using this window you switch between different channels, select recorded files for playback or access your camcorder that you connected to the TT-budget card. In addition you can change each channel's name and add your favourite channels to a favourites list.

The channel list contains separate entries for analog and digital channels, external devices and multimedia files. A (+) sign next to an entry indicates another level of hidden entries. Clicking the (+) sign with the left mouse button expands the view to show those entries.

As an alternative to using the mouse, you can also use the cursor keys on your keyboard to navigate the channel list. Pressing the +/- keys displays and hides additional entries.

In order to switch to a channel, simply left-click its entry in the channel list or select it with the cursor keys and hit enter. The entry is then displayed in red.

Right-clicking an entry opens a context menu with the following options:

#### 1. Favourite

Adds the channel to the favourites list. Learn more about favourites in chapter 6.4.2 Favourites.

#### 2. Rename

Changes the name for the selected entry.

#### 3. Language

Selects between the available audio streams of a program. This feature can be used to choose a different audio language for broadcasts which provide multiple language support.

You can remove individual entries by selecting one with the cursor keys and pressing the delete key on your keyboard. Please note that there is no confirmation dialogue – the entry is deleted instantly.

Additional information about every entry is available by holding the Ctrl key and right-clicking an entry in the channel list.

**Note:**

Leaving the mouse cursor on top of a button for a short time will display a tooltip explaining the associated function.

**Note:**

Your channel list is stored in the directory \Documents & Settings\  
< Username>\ApplicationData\TechniSat\TechniSat TV Center\ in the file  
TreeList-x.bda. Should you want to create a backup of the channel list you  
can simply copy this file and restore it to this location if need be.


#### 4.6 Control bar (horizontal)

This control bar contains buttons for recording control, volume settings, window size and position as well as exiting the TechniSat TV Center. The individual buttons are grouped by their functionality:




**Note:**

If one or more buttons aren't displayed, there probably isn't enough space left on the control bar. Use the mouse to resize the application window or use the maximise button.



##### 4.6.1 Exit program

-  **Close**  
Stores the current window settings and exits the TechniSat TV Center.

##### 4.6.2 Record control

-  **Record (space)**  
Starts recording the currently selected channel.
-  **Play**  
Starts playback of a previously recorded program. Stops the fast forward / rewind mode and continues with playback.
-  **Fast forward/Rewind**  
Advance forward/backward within a recording with three different speed settings. Click repeatedly to change speed.
-  **Pause (p)**  
Interrupts playback. Clicking pause again resumes at the same place.
-  **Stop**  
Stops playback.
-  **Timeshift**  
Starts recording in timeshift mode. A new video window is created showing recording progress. Clicking timeshift again terminates timeshift recording and returns to TV mode.

##### 4.6.3 Volume control



-   **Mute**  
Disables audio volume. Clicking mute again reenables audio at the previous level.

-   **Decrease/Increase volume (Numpad ÷ , \*)**





**Note:**

Setting the volume directly is possible by clicking and holding the mouse button. Clicking repeatedly sets the volume in several small steps.

#### 4.6.4 Picture in picture (PIP)

-  Transfers the current TV image to a new window.
-  Exits the picture mode and closes all video windows.



#### 4.6.5 Window control

-  **Fullscreen (f)**  
Hides the control elements and shows the current program in fullscreen. Double-clicking or pressing the f key exits fullscreen mode.
-  **Always on top**  
Prevents other windows from overlapping or hiding the TechniSat TV Center.
-  **Minimize**  
Reduce the TechniSat TV Center to an icon in the windows task bar.
-  **Maximize /Restore**  
Maximising uses the entire screen to display the TechniSat TV Center. Clicking the button again restores the window back to its previous size.



### 4.7 Control bar (vertical)



This control bar contains buttons for configuring the TechniSat TV Center, as well as managing media files and the favourites list.

#### 4.7.1 Display

-   **Docking-Mode (d)**  
While docking is active the control bar is anchored to the TV window. By disabling docking mode both the TV window and the control bar can be freely positioned on the screen.

Right-clicking the TV window opens the following context menu:







- **Dock window:**  
Activates docking mode. Control bar and TV window will be anchored again.
- **Controls:**  
Shows or hides the control bar.
- **Window on top:**  
Prevents other windows from overlapping.
- **Show/Hide all PIP:**  
Shows or hides all active PIP windows.
-  **Info-window (i)**  
Shows or hides the info window.
-  **Channel list (l)**  
Shows or hides the channel list.

-  **Programme information service**  
Shows or hides the programme information service window for the current channel.
-  **Program magazine**  
Shows or hides the program magazine.

**Note:**

If you have hidden the info window or the channel list it is not possible to move them into other positions. Open the info window or the channel list again to move them into the wanted size.


#### 4.7.2 Settings

-  **Teletext**  
Opens the teletext window for the current channel. Please note that not every channel broadcasts teletext information.
-  **Sleep-Timer**  
Starts the 30 minute Sleep-Timer. Each click on the button increases the timer duration by another 30minutes.
-  **Settings**  
Opens the settings window where reception properties, TV image size, OSD language and many more options can be configured..
-  **Record-Timer**  
Opens the window for time controlled recording. Here you can select date, time and channel for a recording or organise daily / weekly recordings.
-  **Channel search**  
Starts the channel search.
-  **Open media file**  
Opens any media file. Only file formats supported by Windows Media Player are available for playback.




#### 4.7.3 Channel selection

- **+ - +/- (numpad + , -)**  
Advances to the previous/next entry in the channel list.

#### 4.7.4 List management

-  **Favorites**  
Switches the channel list from regular view to favourite view and back. The favourites list contains every channel you previously marked as a favourite.

- **List view**

-  Radio channel
-  TV channels
-  Encrypted channels

These three symbols each represent a distinct type of channel which is displayed in the channel list. By clicking on a symbol, the corresponding entries are removed from the channel list.

For example if you deactivate the key symbol, only unencrypted radio and TV channels are displayed in the channel list.




**Note:**

If your channel list doesn't contain any entries, you may have deactivated all three symbols thereby removing all channels from the list. It is also possible that you have activated the favourite list but you do not have marked channels as favourites.

## 5 Channel search

The channel search enters every available TV and radio channel into a channel list, which becomes available after the search is completed.

In order to start the channel search, simply click on the search button  (see **“Settings”**).

### 5.1 Channel search

We recommend using the “All frequencies” setting for the digital channel search. Only uncheck this setting you are searching for a specific channel of which you already know the frequency, inversion, bandwidth modulation parameters.

The digital search also allows you to automatically delete your current channel list. Check the “Delete obsolete services” setting in order to do so.

Start the channel search by clicking on “Channel search”.

**Note:**

Choose the modulation setup DVB-S2 only for search on DVB-S2 transponders.

While the search is active, a status bar keeps you informed about the search progress. In addition, the number of channels found as well as the signal level and quality are also shown.

After the search is completed, you can close the window by clicking “Exit”.

**Note:**

If you exit the channel search precociously all founded channels will be registered in the channel list automatically.

## 6 TV / Radio operation

The software's main function is the reception of TV and radio channels at your PC – therefore the TT-Media Center concentrates on making this function as easily accessible as possible!

Use your mouse cursor to select an entry from the channel list and without any further action you have already switched to that channel. The current channel is highlighted in red colour.

TV and radio channels are both handled in the same way.

### 6.1 Fast channel change (Swap)

In order to change back and forth quickly between two channels, the easiest way probably is to use the toggle function on the control bar.

You can also use the cursor keys on your keyboard to navigate the channel list and then use the enter key to change the channel.


If you just want to browse through the channels, using the buttons on the control bar to advance a single channel forward or backward can be useful. You can also use the + / - keys on your keyboard numpad.


## 6.2 Audio-Format

Some channels broadcast their program using the AC3 format in addition to the regular stereo audio. The additional surround sound information is transmitted in separate audio streams which can improve sound quality drastically. You can recognise if a program is also available in the AC3 format by the double d-symbol **“DD”** which is displayed in the info window right next to the current time.


In order to switch from stereo sound to AC3 or back, you can simply click on the **“DD”** symbol. When stereo sound is active, the symbol is displayed in white. When AC3 sound is active, the symbol is orange instead.

## 6.3 Sleep-Timer

The sleep-timer functions like a 30 minute countdown. Click the symbol  to activate the sleep-timer. Each additional click adds 30 minutes to the timer's duration up to a maximum length of 360 minutes.

You can observe the timer counting down in the info window. Upon reaching zero it will automatically shut down your PC. Push the  button with the right mouse key to stop the timer.

## 7 Teletext

The teletext information that many channels offer in addition to their programs can be displayed in parallel to the current TV program. Clicking the teletext button  on the control bar opens the teletext window which is controlled by the buttons on its right side.

### Page control:

- **Hold**  
Prevent the current page from changing whenever an update is received.
- **???**  
Access hidden text.
- **100**  
Open teletext page 100 (start page).
- **Forward**  
Move forward through the list of already viewed pages. (history)
- **Back**  
Move backward through the list of already viewed pages. (history)
- **<< 100 >>**  
Enter a specific page number or advance one page backward / forward.
- **<< 0 >>**  
Select a subpage, advance through subpages.
- **Close**  
Closes the DVB teletext window.

**Note:**

Clicking a 3-digit number in the teletext window will access the corresponding page.

**Operation:**

- **Copy**

Copy the current page to the clipboard.

- **Save**

Save the current page as an HTML document.

- **All**

Save all pages as HTML documents.

## 8 Programme information service

The programme information service gives you an overview of the current program on each of your channels. It also includes a preview for the following days. The programme information service is available in two variants:

### 8.1 Extended programme information service

Here you can find information about the channel currently tuned in. You can create additional columns for further channels.

Use the number symbols to control the number of columns. Every click adds another column for a new channel.

The TV symbol changes between TV and radio channels.

The list allows you to choose from the channels you have already watched after turning on your PC. If a channel is not included, there is no programme information service information available on it at this moment.

### 8.2 Program magazine

Includes all channels in a single window. The individual programs are sorted by channel names and week days. Channels that are to appear in the program magazine have to be added in the programme information service settings dialogue.

- **Browse**

You can browse through the magazine's columns by using the << and >> symbols.

- **Refresh program information**

Use this to refresh the program magazine if there hasn't been an update for a longer period of time.

You can also use the "programme information service Updater" to make the programme information service refresh its content automatically.

- **Now on TV**

Provides a list of programs currently running.

- **Settings**

Adjust the program magazine's settings. The following functions are available in both programme information service variants:

- **Choose timeframe**

Select a time from the drop down menu. The program magazine will only display broadcasts that begin after this time.

- **Print**

Output the currently visible part of the programme information service on your printer.

- **Switch to timeview**

All TV shows shown from a determined time.


- **Setup**


Here you can change the programme information service setup.

## 9 Recording function


The TechniSat TV Center has a recording function which can be used to record analog and digital TV and radio programs.

### 9.1 Record

Select a channel from the channel list and click the **record**  button on the control bar.

The channel is recorded in the current video resolution and stored in the predefined directory. You can change these settings by clicking the symbol  on the control bar.

The record title is determined by adding the current date to the channel name. On digital channels which provide detailed program information, the actual event title is used instead of the channel name.

Push the **record**  button again to stop the recording.

**Note:**

Video and audio data from digital channels is saved to your hard drive using the MPEG-2 format. Please make sure that enough free space is available on the target drive, as digital programs can reach data rates of several Mbit/s. A common 4 Mbit/s video stream for example uses about 30 Mbyte per minute, which translates to 1,8 Gbyte per hour.

**Note:**

During a recording it is not possible to change the channel.

### 9.2 Time controlled recording

In addition to the manual recording mode you can use the record timer to pre-program your recording session.

Open the record timer window by clicking the  symbol.

Begin by selecting the record's date and time. You can also select lead or follow-up time as well as the repetition timetable:

- **Once**

Only record on the specified time and date.

- **Daily**

Record at the specified time on every day of the week.

- **Weekly**

Check the day of the week on which to record.

### Filter settings:

The filters can be used to control which channels are available for recording. This works in the same way as the channel list filter control.



Radio and TV



Encrypted channels and favourites

### Station:

Proceed to select a channel from the list. There are also entries for S-Video and composite in order to record from external devices. The “programme information service-Updater” is not a regular channel. It is used to make the programme information service update at a specific time, for example during the night, in order to have updated programme information service information available on the next day.

After selecting a channel, the programme information service window for the specified channel opens and you can click on the programme information service you wish to record.

### File:

If you wish to use a different directory to store the recording, you can select a new location and file name here.

### File option:

You can choose one of two storage methods:

#### 1. Retain

Your previous recordings under the same filename are retained. New recordings receive a suffix of the form “Filename\_001”.

#### 2. Overwrite

New recordings using the same name as a previous one will overwrite that recording. This storage method can be useful for daily news recordings you don't wish to archive.

### Note:

You can choose a different storage method for every time controlled recording. That makes it possible to overwrite the daily news, but to archive the weekly series.

### Following action:

Here you can choose the following action, done after the timer.

You can choose between this following actions:

- **do nothing**

computer and software go on

- **close the application**

TechniSat TV Center will be closed

- **put the PC in Standby**

Application will be closed and the computer turns into Standby

- **shutdown the PC**

Application will be closed and the computer turns off

- **put the PC in Hibernate**

Application will be closed and the computer turns into Hibernate.

### Note:

We suggest to move the PC into Hibernate after the timer. The current consumption is at the lowest and following timers are possible.


### Timer summary:

In order to start the recording at the correct time, the record timer accesses the operating system's scheduler and automatically starts the PC. If your PC is part of a domain, it is necessary to register with the domain server upon starting the PC. Use the account and password fields to enter your logon information in this case.

### Note:

Please make sure that the PC stays connected to the mains supply if you wish to use the time controlled recording function. If you use the power switch on your PC's power supply or on a multiple socket outlet to disconnect the mains supply, the scheduler will not be able to start the PC at the preset record time.

Click the „Add“ button after the record settings are complete to activate the record timer. You can now program additional recordings or close the record timer window.

For a timer – conclusion you have to push the  symbol with the right mouse button.

In this window you can delete entries or change the programmed settings.




## 9.3 Timeshift

The Timeshift function allows you to simultaneously record a program and also playback that recording. The program being recorded is moved to a smaller window while the main window is used for playback.

### This function is especially useful in the following cases:

1. You are recording a program with the record timer because you expected not to be at home in time to watch it yourself. However you return earlier than expected and would like to watch the recording before the program has ended.



### This is how you proceed:

With the recording still in progress you click the **“Timeshift“** button . This creates a new smaller video window in which the recording continues. The main window shows the beginning of the recorded program, which is currently paused. The timeshift button is blinking, indicating that the timeshift feature has been activated. You can now watch the recorded program as described in the chapter “Playback” while the timer finishes recording. The small record window disappears upon pressing **“Play“**  and reappears if you press the **“Pause“**  button.

2. You are interrupted while watching TV. Maybe the phone rings or someone is at the door. Of course you don't want to miss any part of the program, but you also don't want to use the regular record function as it would not let you continue watching until after the program was already finished.

---

**This is how you proceed:**

Click the **“Timeshift”** button . This creates a new smaller video window in which the current program is being recorded. The timeshift button blinks, indicating the active timeshift mode. The main window shows a paused image of the program at the time when you clicked the timeshift button (this is essentially a pause button for the TV program). You can now use the **“Play”** button  to resume watching at this position. The controls work in the same way as described in the chapter “Playback”.

The record is stored in the standard video directory under the name “TimeShiftD0” for digital channels, or “TimeShiftA0” for analog channels respectively. The record will be deleted the next time you use the timeshift function. If you have installed multiple TT-budget cards in your PC, the first card uses the designation D0/A0, the second one D1/A1 etc.

**Note:**

It is not possible to change the current channel while in timeshift mode. The digital or analog channels are therefor hidden from the channel list. They become available again after the current recording is complete.

**Note:**


The timeshift function requires more processing power than a regular recording. If your PC is unable to keep up with the recording, this may result in errors in the recorded audio or video. Please check if your PC is capable of using the timeshift function for a fullscreen TV image before using it for your important recordings. We recommend using a processor capable of 2,4 Ghz or above.

**Note:**

Advanced users can find further information about the main video window in the chapter “Picture-in-picture”.

## 9.4 Playback

All recorded programs can be accessed through the “Multimedia” entry in the channel list. The entry **“My Videos”** contains the TV recordings while the radio recordings can be found under “My Music”.

In order to watch a recording simply select the entry from the channel list and click on the **“Play”**  button on the control bar.

The info window shows the title and date of the recording as well as a progress bar indicating the current playback position.

Clicking on the progress bar changes the playback position. You can also use the control bar to control the recording.

Pressing the **“Pause”** button  on the control bar interrupts playback.

The current playback status is shown to the lower right of the progress bar.

**Note:**

You can put video or audio clips in your storage directory that have not been recorded with the TT-Media Center. If they are playable in Windows Media Player, you can also watch them with the TechniSat TV Center.

## 10 Picture-in-Picture (PIP)

The picture-in-picture function allows you to set up and watch four windows with different programs recorded videos at the same time. One of these windows occupies the biggest part of the screen (main window) while the smaller ones are located in the corners.



### Why picture-in-picture?:

- You are recording a program and would like to watch something different in the meantime?
- You are fed up with switching back after a commercial break only to discover that you missed a part of the program and would prefer to keep an eye on both channels?


In each of these cases picture-in-picture can help you.  
Simply do the following:

Click the PIP button to create a new window. The button changes with each created window to show in which corner the next window will be located.

### Operation:

- Left-click a window to swap its content with the main window.
- Right-click a window to hide it.
- Right-click the  button to show all hidden PIP windows.
- Left-click the  button to close all PIP windows and exit PIP mode.

### Attention:

If a timeshift recording is active when you click the  button, it will be aborted and its window closed as well!

### Note:


The PIP function requires a graphics card with DirectX Video Acceleration (DXVA) support. The PIP function requires a lot of processing power. We recommend using a processor operating at 2,4 GHz or higher.

### Note:


If you have more than one appliance supported by TechniSat TV Center you can open a own picture for every program. You can choose the channel in the biggest window.

### Note:

The PIP windows are not visible in fullscreen mode. If you want to access the windows, please deactivate the fullscreen mode temporarily.

Each additional PIP window increases the workload for your processor. If you open too many windows once, your PC may be unable to process the video information in time which results in “frozen” images. You can use the  button to exit picture-in-picture mode if this should happen.

## 11. Settings

This chapter describes all settings that can be accessed through the  button located on the control bar.



The settings are divided into several tabs. You will automatically find the appropriate settings for the product you purchased. For example: you will see the satellite settings tab if you purchased a DVB-S product.

## **11.1 Region or satellite settings**

### **11.1.1 Products for DVB-S reception**

#### **DiSEqC/LNB/Satellite settings**

Use this dialog to change the settings for DiSEqC, LNB and the Satellite you are going to use according to your satellite dish configuration. Click **OK** to apply your change and close the window or click Cancel to discard your changes.

#### **DiSEqC settings**

DiSEqC (Digital Satellite Equipment Control) setup is only needed if you have a connection to satellite dish system allowing you to use satellites on different orbital positions that are accessed through one coax antenna cable via DiSEqC switches.

#### **No DiSEqC**

Choose this option if you are directly connected to a satellite dish with only one orbital position.

#### **Simple DiSEqC**

Choose this options when you are connected to a switch with "Tone Burst" control (also known as "Mini-DiSEqC" or "Simple DiSEqC"). You are able to use two LNBs.

#### **DiSEqC Version 1.0**

Select this option if you are connected to a switch box or multi-switch with DiSEqC control. You can select between four options. The specific settings can be found from the documentation of the DiSEqC switch box or DiSEqC multi-switch, respectively.

#### **LNB/Satellite position**

Depending on your DiSEqC system you have up to four LNBs with different orbital positions and options.

They are set with the according check box. Afterwards choose the satellite from the list. Additional settings are available by clicking [...] (Reception test).

#### **Reception test**

Click on [...] for a reception test and where necessary a setup for the selected satellite.

You can set the frequency, symbol rate and polarization. Your changes will be applied after clicking OK or discarded by clicking Cancel. You can also change the LNB setup.

## **11.2 Layout**

- **Always save channel list**

Automatically save the channel list when exiting TechniSat TV Center.

- **Show device selection dialog**

You are prompted to select the devices for digital reception on every start of the TechniSat TV Center.

- **Write logfile**

Create a logfile with troubleshooting information.

- **Continuous playback**

Continues playback with the next available media file upon reaching the end of a recording. This feature is useful for recordings that span over multiple files.

- **Language**

Allows you to choose from several languages to display the TechniSat TV Center in. The default setting is german.

- **Text size**

Allows you to change the text size in every text field in the TechniSat TV Center. Change this setting if you have difficulties reading the text.

- **On screen display (only seeable in fullscreen)**

Adjusts the time the "on screen display" will be shown.(Off / 3s / 6s / 10s). If you have PC performance problems we suggest to turn off the screen display. Your alterations will be activated at the next program start.

### 11.3 Recording

- **TV picture and sound**

Enables to deactivate picture and sound for timer recordings. This could be rational for timer recordings in H.264 if your PC-performance is not that good.

- **Video folder**

Sets the directory where video recordings created with the recording function (see chapter 9) are stored .

- **Audio folder**

Sets the directory for audio recordings.

### 11.4 Programme information service

- **Channel list**

These filters control which channels are available for the programme information service. They operate in the same way as the channel list filters.



Radio and TV channels



Encrypted channels and favourites

- **Program magazine entries**

Here you can create your individual program magazine. Use the arrow buttons to add or remove channels from the list.

**Note:**

Only channels in this list will be displayed in the programme information servicen in der Programmzeitschrift nicht angezeigt.

### 11.5 DDraw

DirectDraw filter chain conduction

- **VideoMixingRenderer**

- **VideoMixingRenderer 9**

Change this setting if you experience problems with the TV display.

This setting can effect image quality depending on your graphics card.

Deinterlace Modus for MPEG2 Videos

- **Auto / BOB / Weave**

Changes the process for displaying fields in MPEG2 video data. Choose the setting that results in the best subjective image quality or leave it set to auto.

- **H.264 Decoder**

Please note „Use DXVA“ only when your graphics card supports DirectX Video Acceleration and when you have installed the driver. Otherwise problems can occur.

**Note:**

The H.264 Decoder is not available for all products.

**Note:**

After starting the H.264 Dekoders a dialog appears. This dialog is made by the producer and maybe it is not available in all speeches.

## 11.6 Audio

- **Use control mixer line „Volume“**

Controls the TV volume about the Windows volume regulation. Choose this setting if the TechniSat TV Center volume regulation does not work complete.

- **Use AC-3 soundtrack / recording AC-3 soundtrack**

Possibly a available soundtrack will be sent resp stored if this setting is choosen.

- **Configurate AC3-Ton**

Further settings for the AC3-decoder.

## 11.7 Keyboard

This tab allows you to assign hotkeys for any TechniSat TV Center function. The process is the same as for the remote control:

1. Select a key from the list.
2. Select a command.
3. (optional) Assign a name for the hotkey.
4. Click“Accept“.

The lower left window shows all commands that have already been assigned.

**Note:**

If at any point you would like to restore the default settings for your keyboard, simply click on the “Restore default“ button.

## 11.8 Info

This screen shows all important product informations. You will find software version, tuner, MAC-address, Subdevice-ID, DirectX-version and graphic adapter.

**Note:**

MAC-address and software version are important for support.

