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Legend:



This symbol indicates useful information or instructions for the functions of the TerraTec Home Cinema.



This symbol indicates functions that are included with the TerraTec Home Cinema, but not with the TerraTec Home Cinema Basic. You can enable these functions with a serial number, which you can purchase at our Webshop on our website.

Introducing: The TerraTec Home Cinema

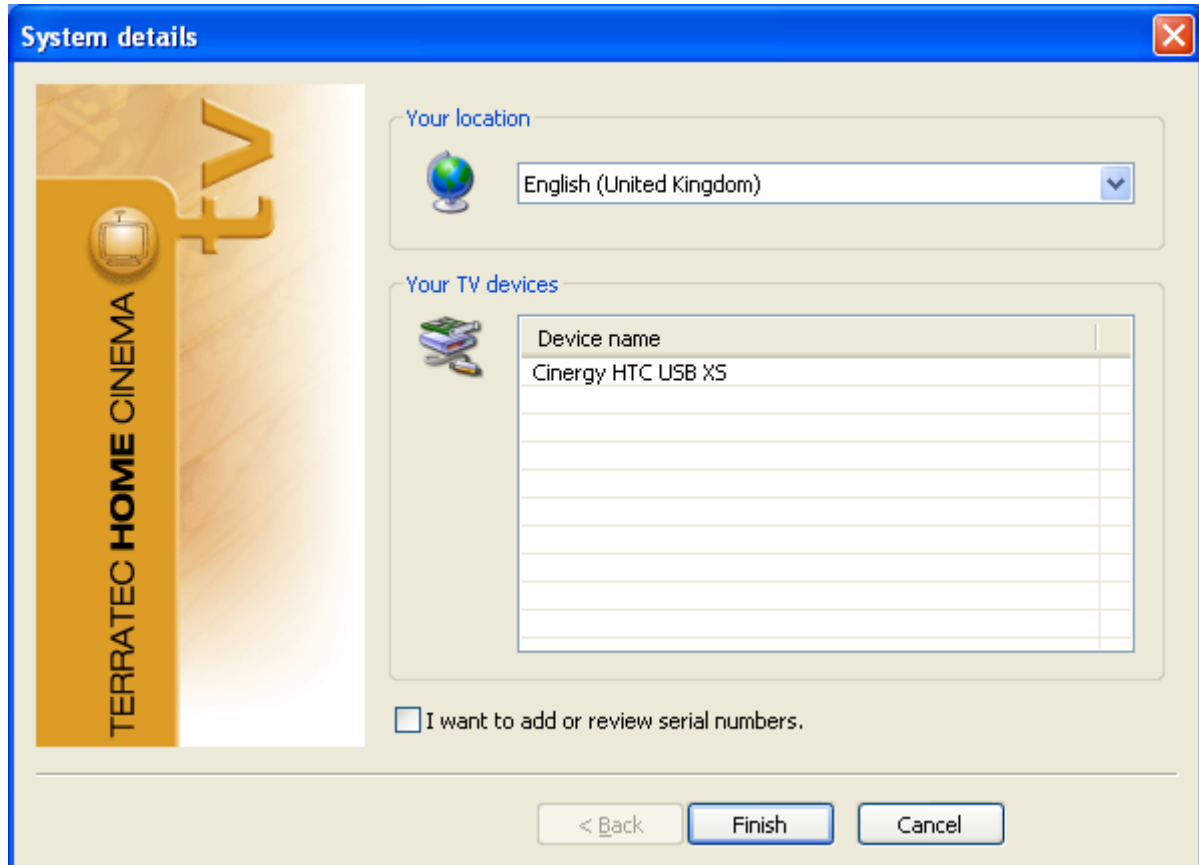


The TerraTec Home Cinema is your analogue and digital TV control centre. The full range of functions and features of your new TV hardware—station selection, timeshifting, recording and teletext—are united in the TerraTec Home Cinema.

Installation



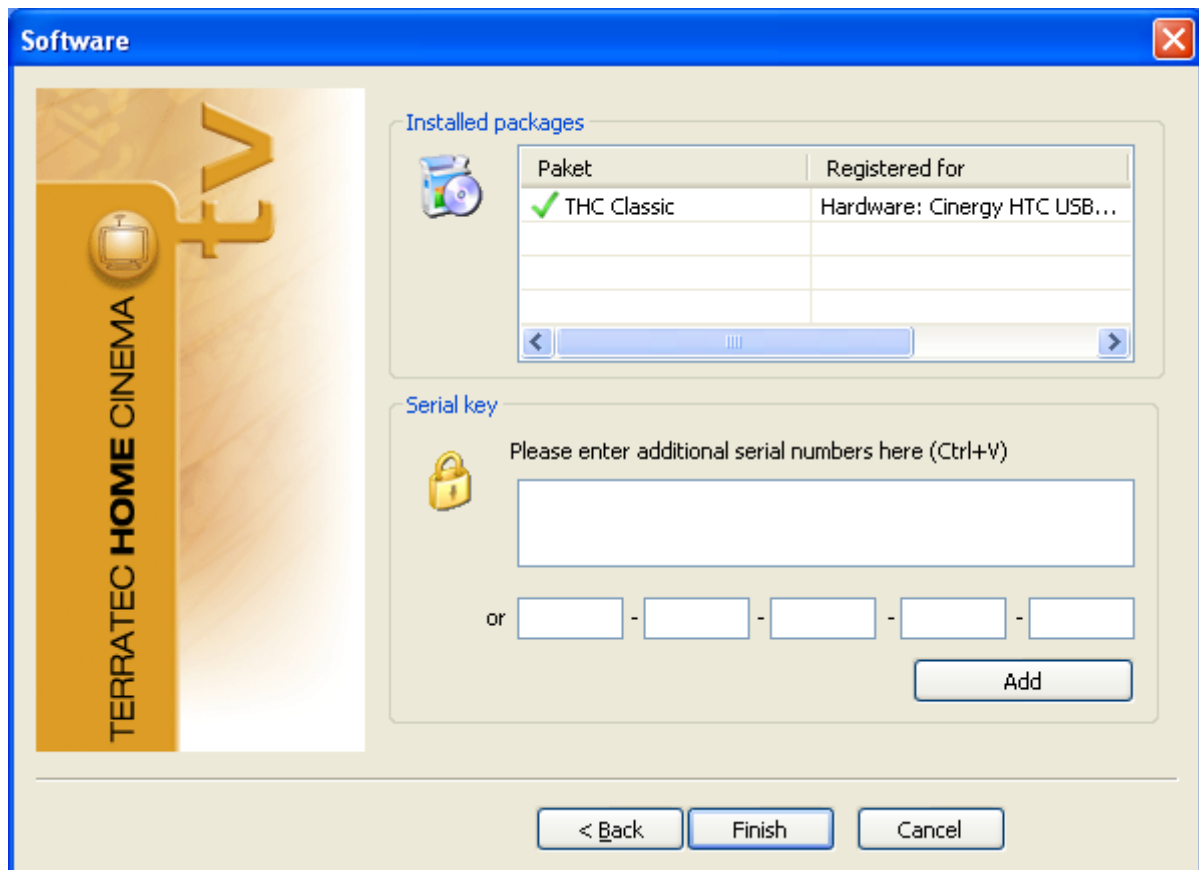
Before installing the TerraTec Home Cinema software, first connect your TV tuner to the USB port or plug your TV card into an available PCI slot on your computer and install the drivers.



You can select your location as soon as you launch the installation of the TerraTec Home Cinema software. The installation wizard shows you what devices are already installed. Then, click "Finish" to start the installation process.

I want to add or review serial numbers.

If you are using the Basic version, and wish to use the advanced features of the TerraTec Home Cinema software, you will have to enter or confirm a serial number. To do so, tick the option for "I want to add or review serial numbers".



In the next step, enter your serial number and then click "Add". Here, in the list of installed packages, the data for your package are displayed. When finished, click "Finish".



You can expand the range of features of the TerraTec Home Cinema Basic with upgrades that can be purchased at the TerraTec Webshop.

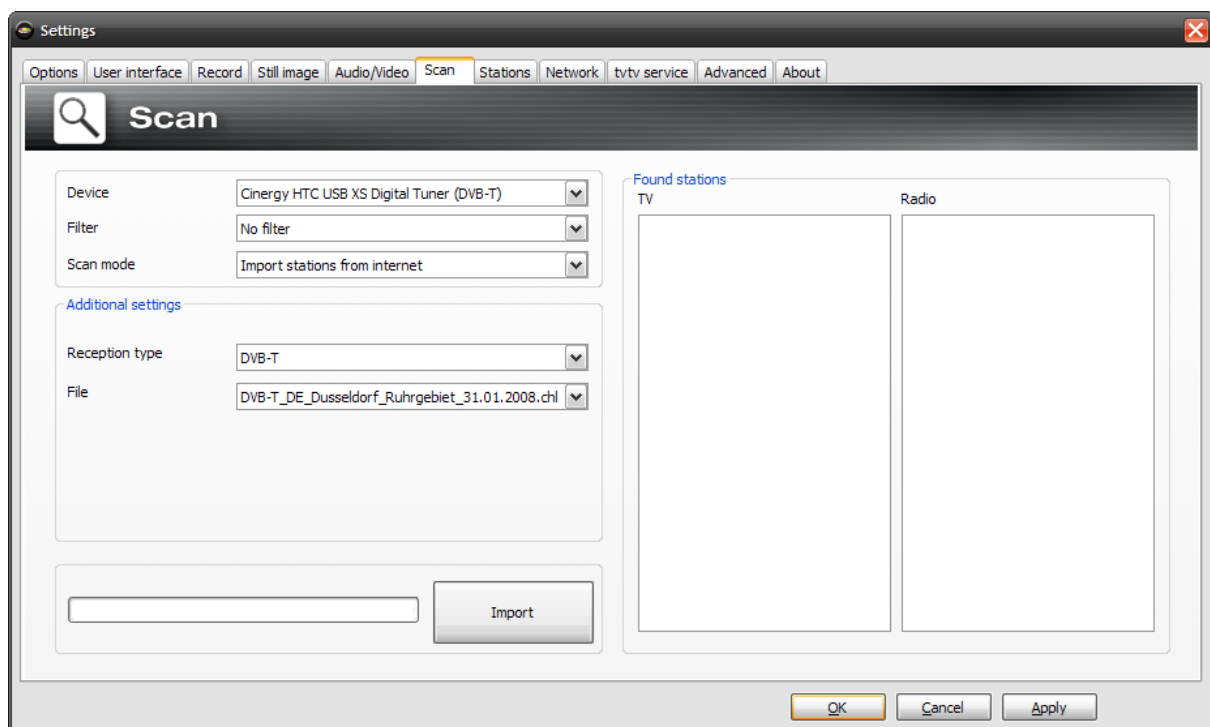
Launching the software for the first time

The TerraTec Home Cinema configuration menu will open automatically when launching the software for the first time. The basic settings, which are described in detail below, can be configured here.

First, you should carry out the following steps:

1. Start the channel scan!
2. Create a Favourites list!
3. Define the storage location for recordings!

1. Start the channel scan!



Device – Select the device for which to perform a station scan. This is only necessary once for each standard (e.g. DVB-T). If you have installed multiple devices that use the same standard, the found stations will be available for all of those devices, of course.

Filter – Restrict the scan to free, encrypted, or all available stations (no filter).

Scan mode – Depending on the TV standard, a variety of options are available here. For more information, please see the Scan sections for the relevant TV standard.

Click "Scan" to start the scan.

DVB-T scan

Scan mode: Scan by region

Additional settings

Region: United Kingdom

Scan intensity: Normal

Region – Select your reception region from the list. If you cannot find it, simply select "All".

Scan intensity – Some countries, such as France, broadcast stations slightly off of the standardised frequencies. This option lets you customise the scan in cases in which it does not find all stations while in "Normal" mode.

Scan mode: Scan by frequency band or single frequency

Additional settings

Frequency (kHz): From 59750 to 818000 Step size 8000

Bandwidth: 8 MHz

Scan intensity: Normal

Scan one frequency band

Additional settings

Frequency (kHz): 59750

Bandwidth: 8 MHz

Scan intensity: Normal

Scan single frequency

Frequency (kHz) – Specialists will appreciate the ability to select an individual frequency or frequency band and its step size for scanning.

Bandwidth – DVB-T can be broadcast at varying bandwidths. 7 or 8 MHz are common in Europe, while 6 MHz is used in Taiwan, for example.

Scan intensity – see "Scan mode: Scan by region"

DVB-S scan

Scan mode: Scan by satellite

Additional settings

Satellite: Astra 1E/1F/1G/1H/1KR/2C 19.2°E

DiSEqC 1.0: Option A / Position A

Satellite – Select the satellite to which you have set your dish.

DiSEqC 1.0 – DiSEqC is used to control satellite systems that receive data (TV) from more than one satellite. Configure this setting to match those on your satellite system. DiSEqC 1.0 allows you to receive up to four different satellites.

Example:

Your satellite system is pointed towards Astra and Eutelsat. In this case, configure the DiSEqC options as follows:

Option A / Position A during the scan on Astra

Option B / Position B during the scan on Eutelsat



Since, unfortunately, no standardised settings exist for satellite systems, often the only option is trial and error if no information about the satellite system is available. For the same reason, we hope you understand that our support team may not always have the answers regarding your settings.

Scan mode: Scan by frequency band or single frequency

Additional settings

Frequency (kHz): From 0 to 818000, Step size 8000

Symbol rate (KS): 27500

Polarisation: Linear horizontal

DiSEqC 1.0: Option A / Position A

DVB-S DVB-S2

Scan one frequency band

Additional settings

Frequency (kHz): 0

Symbol rate (KS): 27500

Polarisation: Linear horizontal

DiSEqC 1.0: Option A / Position A

DVB-S DVB-S2

Scan single frequency

Frequency (kHz) – Specialists will appreciate the ability to select an individual frequency or frequency band and its step size for scanning.

Symbol rate (KS) – The symbol rate is the specified data transmission speed. It must be specified when scanning a frequency band or individual frequency.

Polarisation – A frequency can be polarised horizontally or vertically. Select the correct polarisation here.

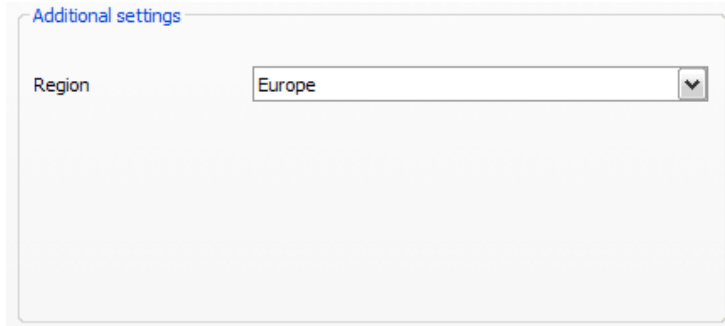
FEC – (forward error correction) This option specifies the error protection of the signal.

Information on satellite programs and their parameters can be found at a number of sources, including:

<http://www.lyngsat.com>

DVB-C scan

Scan mode: Scan by region

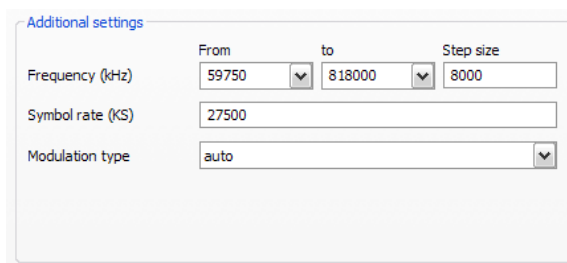


Additional settings

Region: Europe

Region – Select your reception region from the list. If you cannot find it, simply select "All".

Scan mode: Scan by frequency band or single frequency



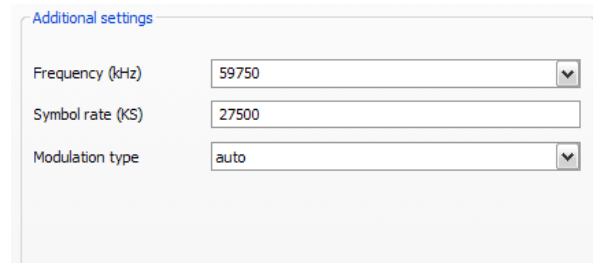
Additional settings

Frequency (kHz): From 59750 to 818000 Step size 8000

Symbol rate (KS): 27500

Modulation type: auto

Scan one frequency band



Additional settings

Frequency (kHz): 59750

Symbol rate (KS): 27500

Modulation type: auto

Scan single frequency

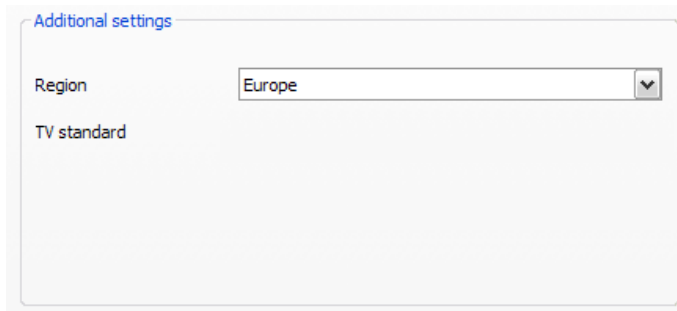
Frequency (kHz) – Specialists will appreciate the ability to select an individual frequency or frequency band and its step size for scanning.

Symbol rate (KS) – The symbol rate is the specified data transmission speed. It must be specified when scanning a frequency band or individual frequency.

Modulation type – The modulation type is a further option for data transmission and can be specified for certain programs.

Analogue scan

Scan mode: Scan by region



The screenshot shows a dialog box titled "Additional settings". It contains two fields: "Region" with a dropdown menu set to "Europe", and "TV standard" which is currently empty.

Region – Select your reception region from the list. If you cannot find it, simply select "All".

Scan mode: Scan by frequency band or single frequency



The screenshot shows a dialog box titled "Additional settings". It contains three fields: "Frequency (kHz)" with sub-fields for "From" (0), "to" (818000), and "Step size" (8000); and "TV standard" set to "United Kingdom (United Kingdom) - PAL I".

Scan one frequency band



The screenshot shows a dialog box titled "Additional settings". It contains two fields: "Frequency (kHz)" with a dropdown menu set to "59750", and "TV standard" set to "United Kingdom (United Kingdom) - PAL I".

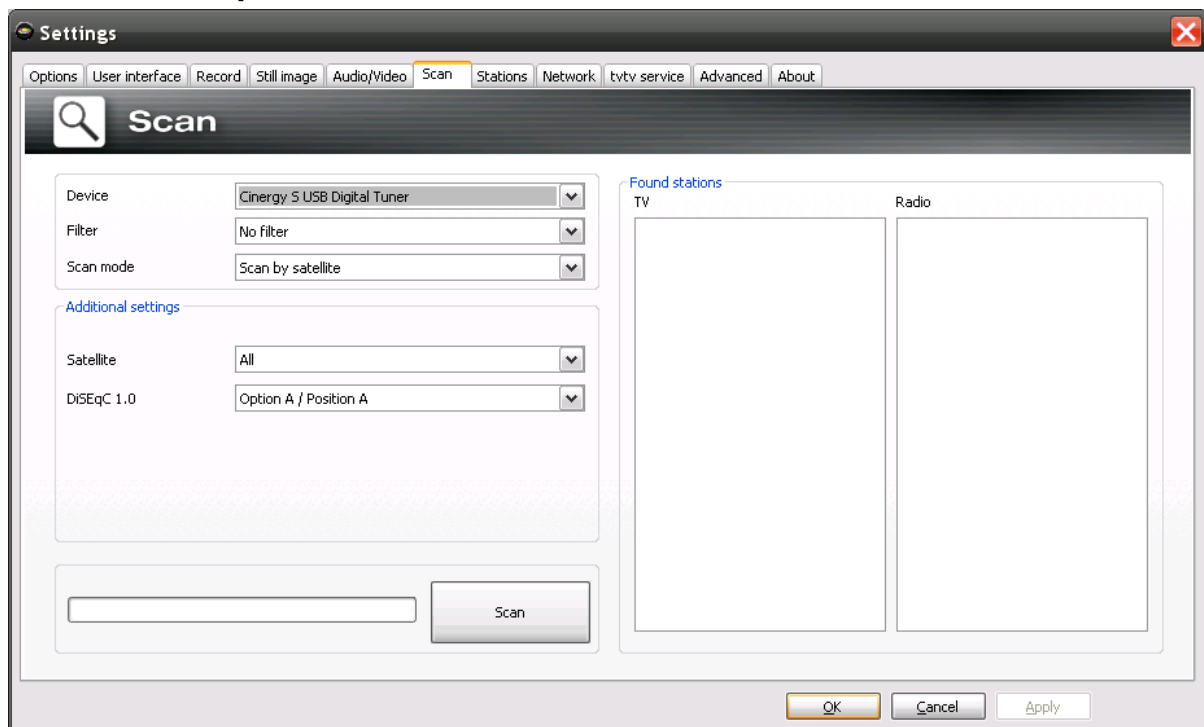
Scan single frequency

Frequency (kHz) – Specialists will appreciate the ability to select an individual frequency or frequency band and its step size for scanning.



If your TV solution has analogue inputs, then they are treated like channels. The names for the analogue inputs are automatically assigned and depend on the type of connection -> S-Video / composite.

Station list import



Furthermore, you have two options for importing existing station lists. To access these, click the following in the selection menu for the scan mode:

Import stations from file

This allows you to import a station list from a previous channel scan.

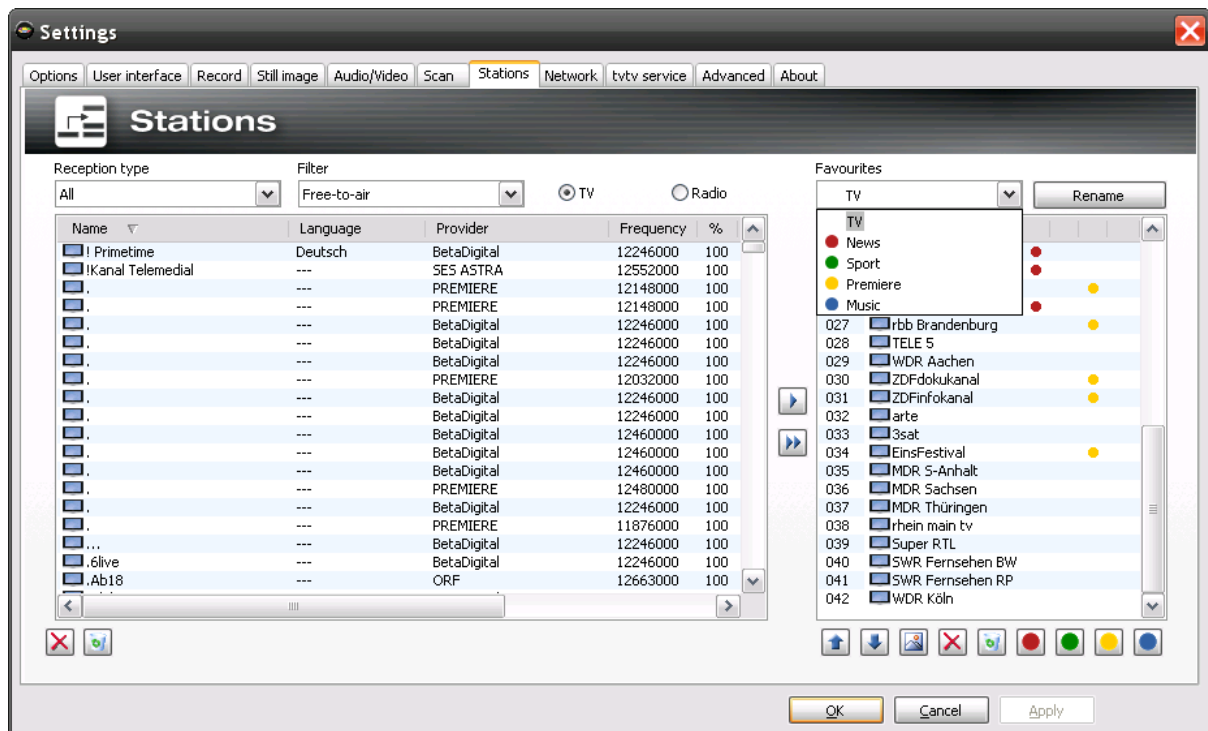
Import stations from Internet

Here, first select your transmission standard, then the file that you want to import. The lists are named according to the region or satellite.





An Internet import is particularly recommended for the DVB-S transmission standard, because the satellite scan can take up to an hour. With an import, the stations are pre-sorted and can be added to your station database with just a click. This method has you up and running fast.



2. Create a Favourites list!



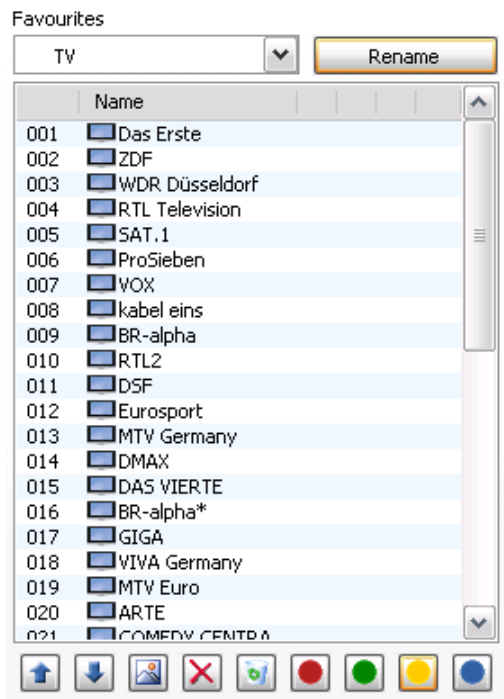
The left side of the station management tab contains a list of all of the stations found during one or more scans. The list can be filtered according to reception types, filters (whether the stations are free or encrypted) or whether they are TV or radio broadcasts.



Use the  button to add selected stations to the Favourites list, or click the  button to add all stations at once.





You will only be able to select stations that are in a Favourites list. Analogue video inputs are indicated by the symbols  for composite and  for S-Video, and can be added to the favourites list just like "regular" channels.

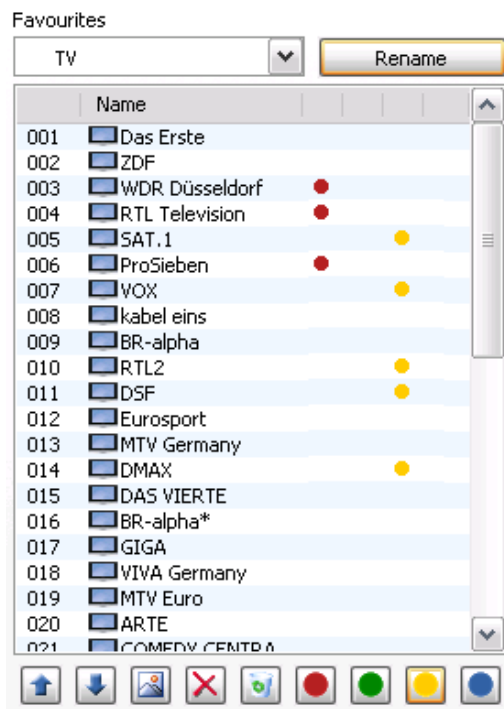
Setting up Favourites lists



To sort stations based on your interests, select them and drag them up or down the list using the  and  buttons.


Use the  and  buttons to remove one or more stations from the Favourites list.


Special Favourites lists (only with TerraTec Home Cinema)



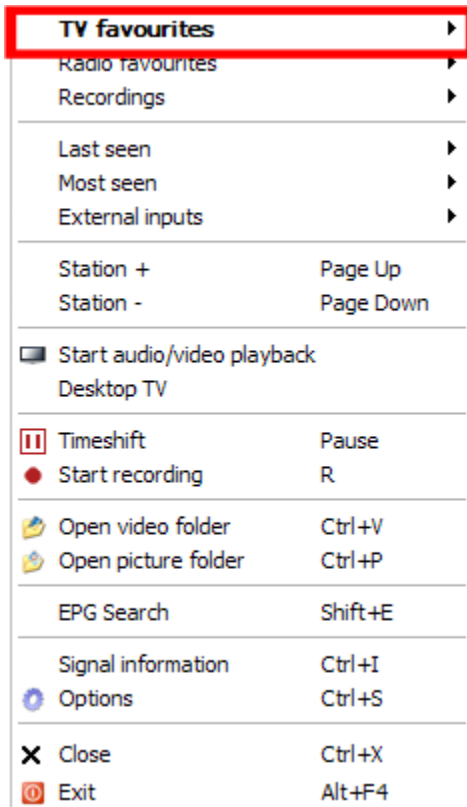
In addition to the standard Favourites lists for radio and TV, you can also create your own special Favourites lists.

These Favourites lists can perform a variety of functions, for example sorting stations according to DVB-T coverage areas, transmission standards (e.g. analogue/DVB-T/DVB-S) or genres such as sports, movies or news.

To add a station to a special Favourites list, select the station and then click one of the coloured buttons . Individual stations may be added to more than one list.

Click  to name the special Favourites list.

Where do I find the Favourites lists?



You can access your Favourites lists by "right-clicking" the TV picture and then opening "TV favourites".

How can switch stations?

There are several ways to navigate and jump through the station list.

To switch to the next station in the list, press the ▲ key on your keyboard. To return to the previous station, press the ▼ key. To confirm, simply press the Enter key.

Or:

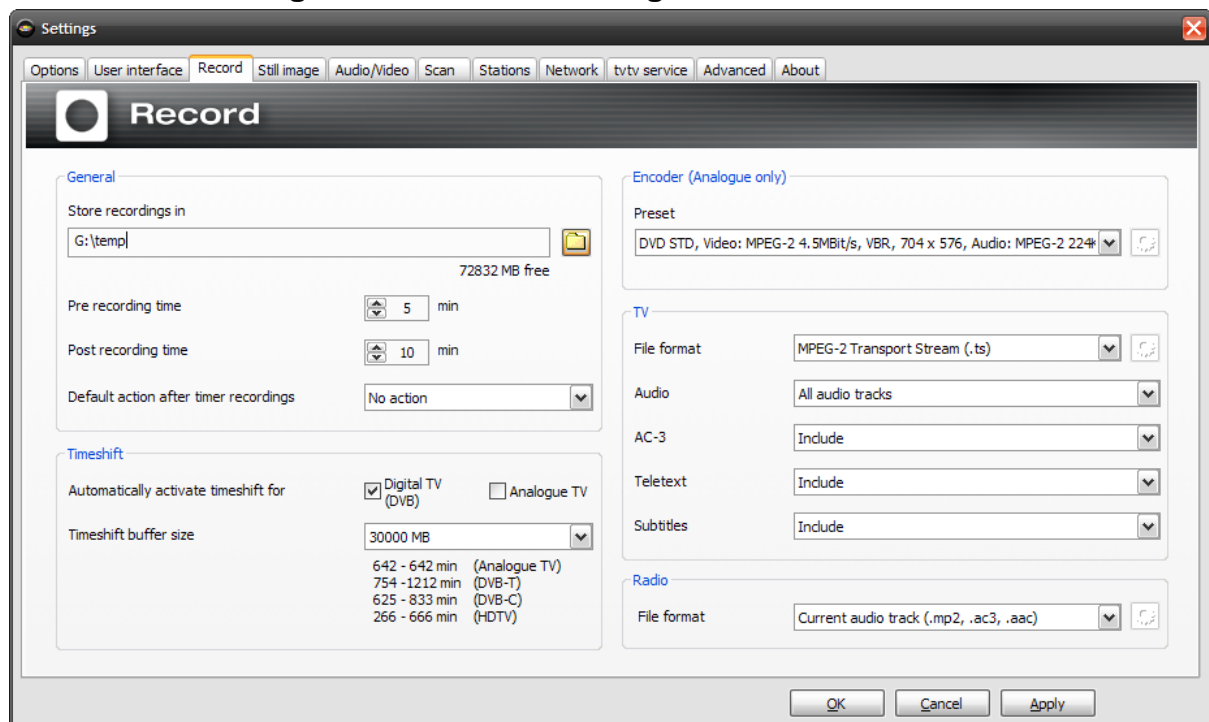
Right-click within the TV window and select "Station +" from the context menu to go to the next station, or "Station -" to return to the previous.

Or:

Using the left mouse button, click the "arrow up" button in the control window to go to the next station, or the "arrow down" button to return to the previous, and then confirm with OK.



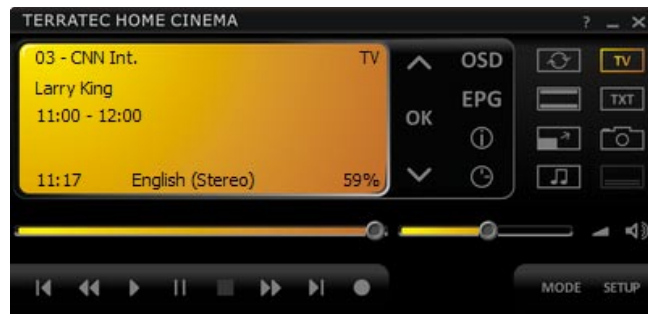
3. Define the storage location for recordings!



In the Settings of the TerraTec Home Cinema, you have the option of changing the default storage location for your recordings. To do so, click the button with the small file symbol next to the "Store recordings in" field. Now you can browse to the directory of your choosing and select it by clicking the "OK" button.

Design and controls

The software essentially consists of the TV window and the user interface.



TV window

User interface

The user interface contains:

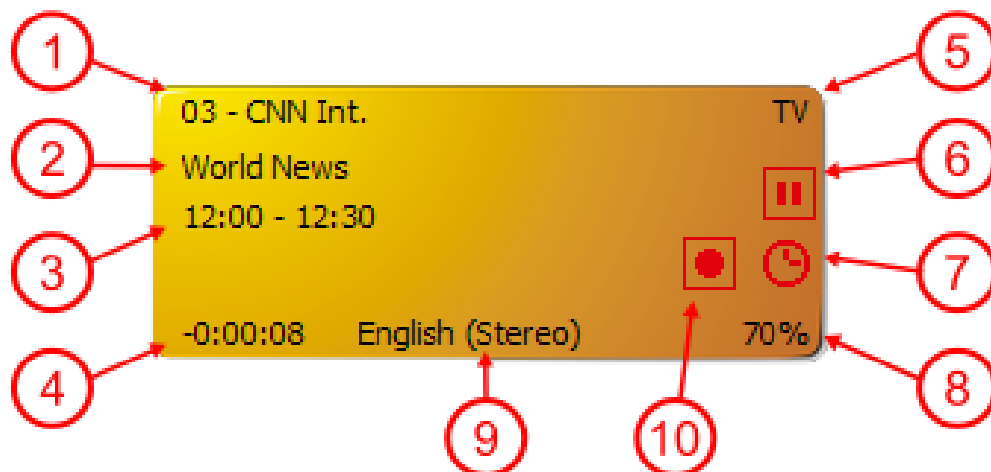
- **Display** – a context-sensitive display for additional information
- **Mode button** (TV, radio, playback of recordings)
- **Navigation buttons** (station selection, menu navigation)
- **Teletext button** (open/close teletext, transparent teletext)
- **Subtitles**
- **Display functions** (open/close TV window, full screen)
- **Recording navigation functions** (playback, record, pause, etc.)
- **Audio functions** (audio channel / format, volume, mute)
- **Still image function**
- **On-screen display functions (OSD)**
- **Show EPG**
- **Settings (basic configuration)**
- **Timer button**

TerraTec Home Cinema functions can be accessed in a number of ways. The following options are always available:

- **The buttons of the user interface**
- **Infrared remote (if available)**
- **On-screen display (OSD)**
- **Context menus – right mouse button in the TV window**
- **Keyboard commands or key combinations**

Display

The user interface display is context-dependent and shows the following:



- | | |
|----------------------------------------|-----------------------------------|
| ① Station number and name | ② The current program |
| ③ Start and end time of program | ④ The current time/recording time |
| ⑤ Current mode (TV, radio, recordings) | ⑥ Timeshift active |
| ⑦ Timer programmed | ⑧ Volume |
| ⑨ The current audio track | ⑩ Recording in progress |

Mode



(TV, radio and recording mode)

Switches between the following three modes:

TV mode

In TV mode, you can watch and/or record TV programs. TV mode is only available if you have at least one TV station stored in your TV favourites list.

For more information, see [Stations](#).

Radio mode

In radio mode, you can listen to and/or record radio station programs. Radio mode is only available if you have at least one radio station stored in your radio favourites list.

For instructions on adding radio stations to a favourites list, refer to the chapter on [Setting up favourites lists](#).



DVB-T radio is not available everywhere.

Recording mode

In this mode, you can play back TV or radio programs that have been recorded and stored in the configured recording folder. The display will be empty if there are no recordings in the folder. Note that the TerraTec Home Cinema is not a replacement for a general media player, as it can only play back recordings that have been created using this application.

Navigation functions



(TV and radio mode)

Use the navigation buttons to select your station. Press **OK** to display a list of TV and radio favourites in the TV window. You can also select stations directly without navigating through the intermediate stations.

Navigation in OSD

Use the arrow buttons to navigate through the various OSD menus (main OSD menu, EPG, timer, recording, etc.). The menus are shown on the TV window. Press OK to select a menu item.

The scroll wheel of the mouse can also be used to navigate list fields such as the EPG and EPG details.

Teletext



(TV mode only)

Press the button once to display the teletext page of the current station in the TV window. Pressing the button again will display the page transparently over the current TV program. Pressing it once more ends the teletext display and returns you to normal TV display.

For more information, see [Teletext](#).

Subtitle



(TV mode only)

Clicking this button immediately adds subtitles (as long as the station offers them).

Display functions



(all modes)

The TV button closes the TV window. Click the button again to reopen the window.



The program will continue to be decoded if the TV window is closed. To completely switch off decoding, if you need to conserve system resources for example, disable the decoder using "Stop audio/video playback" in the context menu.



(all modes)

Full Screen – Use the "Full Screen" button to change to full-screen mode and hide the user interface. Click the TV picture and the user interface will reappear, ready for your input. Press the button again to restore the window.



(all modes)

Change Format – Use the "Change Format" button to force video format changes. Many stations broadcast programs with the familiar black bars above and below the picture. Naturally, these bars are extremely annoying on wide-screen displays, as a large part of the screen simply remains black. In some cases, the black bars are transmitted as part of the program signal. These are conventional 4:3 broadcasts, even though the important part of the picture is in wide-screen format. The software recognises genuine 16:9 broadcasts and adapts the picture automatically. While the software cannot automatically recognise wide-screen movies being broadcast in 4:3 format, you can nevertheless force it to display the correct format.



(all modes)

Screenshot – Use the screenshot button to save a still image of the current TV picture. The images are saved to the configured recording folder.

For detailed information, see [Still images](#).

Navigation functions



(all modes)

Use the recording navigation buttons to control the timeshifting, recording and playback functions of the Software. Timeshifting, recording and playback are covered in separate chapters, so this is only an overview of the individual buttons:



Transport functions that are in italics are enabled during manual [timeshifting](#).

	Timeshifting	Record	Playback
	No function <i>Starts playback</i>	No function <i>Starts playback of the recording</i>	Starts playback
	No function <i>Stops timeshifting</i>	Stops recording	Stops playback
	Pauses playback <i>Starts timeshifting</i>	No function	Pauses playback
	No function	Starts recording	No function
	Jumps to the start or end of the timeshift	Jumps to the previous/next marker position	Jumps to the previous/next marker position
	Fast-forwarding/rewinding, press more than once to increase the speed	Fast-forwarding/rewinding, press more than once to increase the speed	Fast-forwarding/rewinding, press more than once to increase the speed
	Positions playback within timeshifting. The start of the timeshift is at the left, real time at the right.	Positions the playback within recording. The start of the recording is at the left, real time at the right.	Positions playback within regular playback ☺. The start is at the left, the end at the right.

To use the navigation within a current recording, press the play button once first.

Audio functions



Use the audio functions to select the audio channel and audio format, adjust the volume or mute audio output. Some stations broadcast in several languages and/or audio formats. Depending on the recording settings, the selected audio channel will also be used for recording.

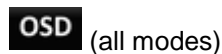
The  icon is displayed in the TV window while the audio is muted.

For further information, see [Recording](#).



You can also adjust the volume with the scroll wheel of your mouse. Click the middle button to activate the mute—clicking again will cancel the mute.


OSD functions



The on-screen display (the main menu) can be called up in any mode.

For more information, see [The on-screen display](#).


Show EPG

 Displays the electronic program guide, which provides an overview of the programming schedule of the current station. Note that EPG data are broadcast via digital television only. If you have a TV receiver that supports analogue TV, you can also receive EPG data via the tvtv service. For further information, see [tvtv service](#).



One of the most important functions is without a doubt programming via the EPG. For detailed information, see [Timer-controlled recording—EPG-programmed](#).

Settings

 opens the settings window. Here you can configure the software's general settings, start the station scan and manage stations in the Favourites list.

For more details, refer to the chapter on [The settings](#).

The on-screen display

OSD opens the main menu.



TV - Switches to TV mode and shows the most recently selected TV station.

Radio - Switches to radio mode and plays the most recently selected radio station.

Recordings - This area allows you to manage your recordings, and lets you play back or delete your recordings.

Online media - This is where the online media services of "myNoxon" and ZDFmediathek are located.

The colour-coded buttons



This displays scheduled recordings. Here you can schedule new recordings manually, delete or edit existing scheduled recordings, and quit the OSD.



Selecting the green button allows you to enable the sleep timer. The sleep timer automatically shuts down the computer at a specified time, which is particularly valuable when watching late-night TV.




Here you can access the settings for a connected CI module.



Use this to quit TerraTec Home Cinema or shut down the computer.

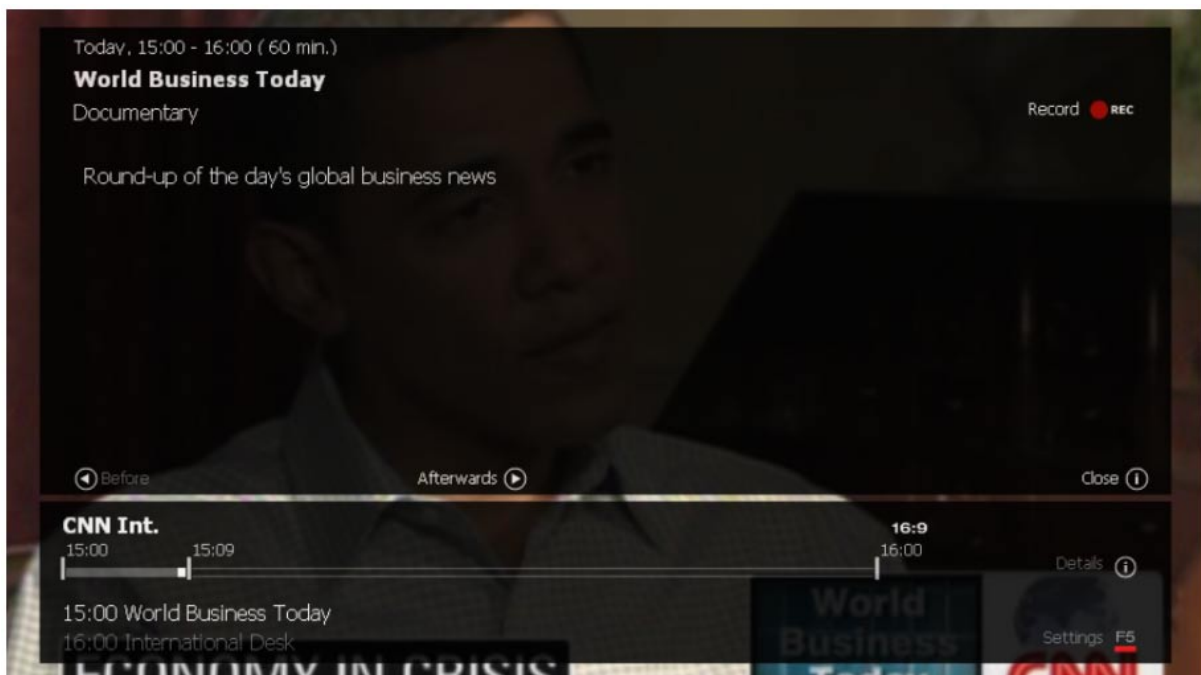
The info bar




To show the info bar, you can press either the "i" key on your keyboard or the  button on the user interface. The info bar provides you with a lot of interesting information.

The selected station is displayed in the upper left. Below this is a timeline with the key data of the current program displayed at its end. A marker shows the current position within the program. The start times of the current and subsequent programs are displayed below the timeline.


In the right-hand area of the info bar, you are shown the currently selected picture format (16:9 in this case). You can press F5 to access the settings.



To access EPG information for the current program, press the "i" key on your keyboard or the  button again. This provides you—similar to a TV magazine—a short description and other key information about the program.

Use the arrow keys or the "Before" and "Afterwards" to navigate through the schedule for this station. If you want to program a program, simply press the "R" key or the "Record" button in the upper-right corner of the image.

To display the electronic program guide information for another station, press the up arrow or down arrow button to jump to the previous/next station in your list.

Use the  button or the "i" key to close the info bar again.

In the settings for the info bar, you can change the audio track, video track, subtitle track, aspect ratio and picture-in-picture (PiP).

Audio track

Some stations broadcast their TV programs in two or more languages (Arte in Germany, for example, broadcasts in German and French). Use this feature to select the language you want.

Video track

If there are more than one video track, you can use this to select the one you want to watch.

Subtitles

If subtitles are available for the current program, use this menu to select the one you want to see.

Aspect ratio

Here you can change the aspect ratio.

PiP (picture-in-picture)

Use this option to enable the [picture-in-picture feature](#), which is described in more detail in the next chapter.

Picture-in-Picture (PiP)



The picture-in-picture function allows you to follow the action on two different stations simultaneously. With it, you can keep an eye on the elections, for example, while watching sports on another channel.



There are various ways you can enable or disable the picture-in-picture function:

[Using the information bar in the OSD.](#)

[Using the TV context menu.](#)

Using the **CTRL + ALT + P** key combination.

You can toggle between screens using the **Z** key or by double-clicking the small TV picture.

Use the **CTRL + (1 – 9)** keys to move the position of the small TV picture.



Using the picture-in-picture feature usually requires two tuners; in any event, two are recommended.

One of the features of digital television is that multiple channels are transmitted over one and the same frequency. This feature allows the picture-in-picture function to use these channels.


While the picture-in-picture function is active, only the stations that can be watched simultaneously are available for selection in the station list.

EPG—the electronic program guide

EPG displays the electronic program guide, which provides an overview of the programming schedule of the current station. Note that EPG data are broadcast via digital television only. If you have a TV receiver that supports analogue TV, you can also receive EPG data via the tvtv service. For further information, see [tvtv service](#).

EPG offers several different viewing options:

View	Description
EPG - Channel	The program overview of the current channel.
EPG - Current	The current and upcoming programs in the selected Favourites list.
EPG - Favourites	The program overview of all channels in the selected Favourites list.

If you are in an EPG view, select  to switch between the options listed above.

In addition to the EPG views shown above which are common to digital home entertainment devices, TerraTec Home Cinema also offers an EPG search function—a powerful tool to help you find your way through the data jungle. To access the EPG search, use the TV/Radio context menu or press **SHIFT + E**.

For a detailed description of the EPG search function, please see [EPG Search](#).



One of the most important functions is without a doubt programming via the EPG. For detailed information, see [Timer-controlled recording—EPG-programmed](#).

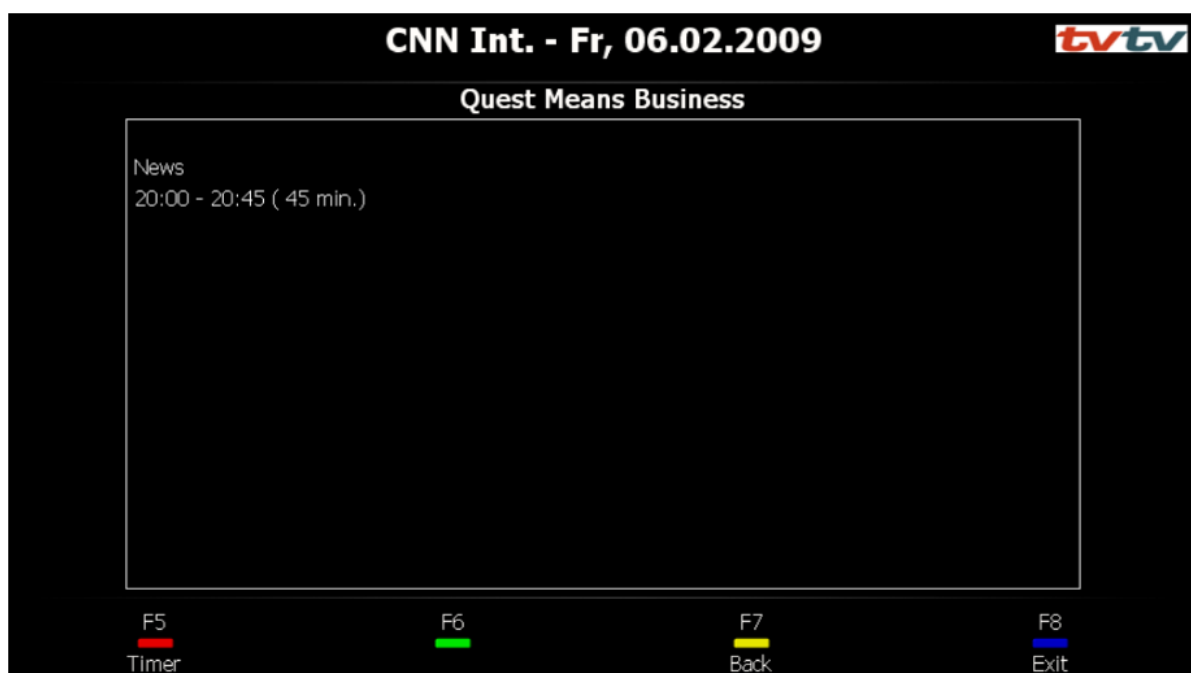
EPG - Channel



The header displays the channel name, day of the week and date; below that, it lists the programs according to time.

You can navigate through the list by days using the cursor keys ◀ and ▶. Using the "PgUp" and "PgDown" buttons, you can go to the EPG for another channel without having to switch.

While program details are not always available[Ⓢ], they frequently contain very useful information when they are present.



EPG - Current



The left column of this view displays all channels in the selected [Favourites list](#), the middle column shows the currently running program, and the right column shows the next program.

EPG - Favourites



The "EPG - Favourites" view shows you a list of programming, sorted by time, of all channels of the selected Favourites list.

Using the ◀ and ▶ cursor keys, you can navigate through the list by hour; you can navigate through it by day using the "PgUp" and "PgDown" buttons.

EPG

Search



The screenshot shows the EPG Search window. At the top, there is a 'Keyword search' field containing 'business'. To the right, there are checkboxes for 'Title' (checked), 'Description', and 'Persons'. Below this is a 'Refine query' section with dropdown menus for 'Format' (All), 'Genre' (All), and 'Stations' (All stations). The main area is a table of search results:

Timer	Start time	Stations	Program
<input type="checkbox"/>	Fri, 2/6/2009, 15:00	CNN Int.	World Business Today
<input type="checkbox"/>	Fri, 2/6/2009, 20:00	CNN Int.	Quest Means Business
<input type="checkbox"/>	Mon, 2/9/2009, 09:30	CNN Int.	World Business Today
<input type="checkbox"/>	Mon, 2/9/2009, 15:00	CNN Int.	World Business Today
<input type="checkbox"/>	Mon, 2/9/2009, 20:00	CNN Int.	Quest Means Business
<input type="checkbox"/>	Tue, 2/10/2009, 01:05	Das Erste	Family Business*
<input type="checkbox"/>	Tue, 2/10/2009, 09:30	CNN Int.	World Business Today
<input type="checkbox"/>	Tue, 2/10/2009, 15:00	CNN Int.	World Business Today
<input type="checkbox"/>	Tue, 2/10/2009, 20:00	CNN Int.	Quest Means Business
<input type="checkbox"/>	Wed, 2/11/2009, 09:30	CNN Int.	World Business Today
<input type="checkbox"/>	Wed, 2/11/2009, 10:30	CNN Int.	CNN Business Traveller

Below the table are buttons for 'Timer selected', 'Remove selected timers', 'Timer all', and 'Remove all timers'. A large preview window shows the details for 'World Business Today', a Documentary, described as 'Round-up of the day's global business news'. At the bottom left, it says '35 results found.'

The EPG search function lets you search the available EPG data for specific keywords.

Keyword search

The keyword search lets you search for individual keywords and narrow your searches by using keyword groups and excluding individual words.

This close-up shows the 'Keyword search' field, which is currently empty. To the right, the 'Search in:' section has 'Title' checked, and 'Description' and 'Persons' are unchecked. There are 'Save' and 'Start query' buttons.

Simple search

In the simple search, enter the words to be found or ignored as you would in an Internet search machine.

Example:

Let's say you want to watch Saturday Night Live, but don't particularly care for Maya Rudolph. Simply tick the **Title** and **Description** checkboxes and enter **Saturday -Maya** or **"Saturday Night Live" - "Maya Rudolph"**. If the search returns too many hits, narrow it down further by adding more words preceded by a dash to exclude them. The search might then look like this:

business -quest "today"



Keyword search

Included words:

Excluded words:

Included phrase:

Search in: Title Description Persons

<< Save Start query

Advanced search

The advanced search view is designed for users that might not be so familiar with Google or other search engines. Switching to the advanced view shows the keywords in their respective categories. The search in the previous example would then look like this:



Keyword search

Included words:

Excluded words:

Included phrase:

Search in: Title Description Persons

<< Save Start query

Title – This setting restricts searches to within titles.

Description – The detailed EPG information is also searched for the keywords.

Persons – Expands the search to include persons such as actors or directors.

<< or >> - Toggles between the simple and advanced views.

Save – Saves the current search string in a list for future use.

Start search – Starts the search and saves the string in a list for future use.

Limit search




These options for limiting the search are only available when using tvtv data for the EPG.

Format – Specifies a format—such as movies, documentaries or news—to which the search will be limited.

Genre – Specifies the genre—such as science fiction, crime or drama—within the selected format.

Station – Restricts the search to TV, radio, or a Favourites list.

Hitlist

Timer	Start time ▲	Stations	Program
<input type="checkbox"/>	Mon, 2/9/2009, 09:30	CNN Int.	World Business Today
<input checked="" type="checkbox"/> 	Mon, 2/9/2009, 15:00	CNN Int.	World Business Today
<input type="checkbox"/>	Mon, 2/9/2009, 20:00	CNN Int.	Quest Means Business
<input type="checkbox"/>	Tue, 2/10/2009, 01:05	Das Erste	Family Business*
<input type="checkbox"/>	Tue, 2/10/2009, 09:30	CNN Int.	World Business Today
<input checked="" type="checkbox"/> 	Tue, 2/10/2009, 15:00	CNN Int.	World Business Today
<input type="checkbox"/>	Tue, 2/10/2009, 20:00	CNN Int.	Quest Means Business
<input type="checkbox"/>	Wed, 2/11/2009, 09:30	CNN Int.	World Business Today
<input type="checkbox"/>	Wed, 2/11/2009, 10:30	CNN Int.	CNN Business Traveller
<input checked="" type="checkbox"/> 	Wed, 2/11/2009, 15:00	CNN Int.	World Business Today
<input type="checkbox"/>	Wed, 2/11/2009, 19:30	CNN Int.	CNN Business Traveller

A preview image is available in the detailed information for programs marked with a *.

Record (selected) – Adds all of the selected hitlist entries to the list of scheduled recordings.

Do not record (selected) – Clears your selections.

Record all – Adds all of the hitlist entries to your list of scheduled recordings.


Record none – Removes all of the hitlist entries from the list of scheduled recordings, if present.

Detailed information

Will Smith: Ali
USA 2001, Preisgekrönter Kino-Klassiker

Zehn Jahre im Leben eines Mythos: 1964 sichert sich der junge afroamerikanische Boxer Cassius Clay erstmals den Boxweltmeistertitel im Schwergewicht. Er wird zur Ikone der Bürgerrechtsbewegung, konvertiert zum Islam und ändert daraufhin seinen Namen in Muhammad Ali. Als er sich weigert in den Krieg nach Vietnam zu ziehen, scheint seine vielversprechende Karriere beendet zu sein. Doch der Champ gibt

Will Smith (Schauspieler)
Jamie Foxx (Schauspieler)
Jon Voight (Schauspieler)



Detailed information on the selected hitlist entry is available here.



Some information in the EPG search function such as images or cast information will only be available when using [tvtv EPG data](#).

Recordings

TerraTec Home Cinema lets you archive TV and radio programs for posterity.

The following recording options are available:

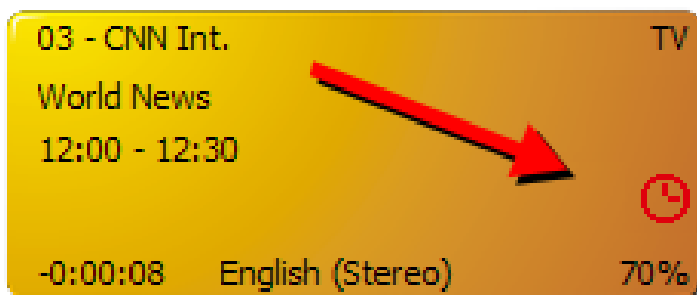
[Direct recording](#)

[Timer-controlled recording: EPG-programmed](#)

[Timer-controlled recording: manually programmed](#)

[Timer-controlled recording: programming via tvtv](#)

If conflicts occur when programming recordings, they are indicated immediately via direct OSD display and by a flashing timer icon on the user interface.




For further information, see Timer conflicts.

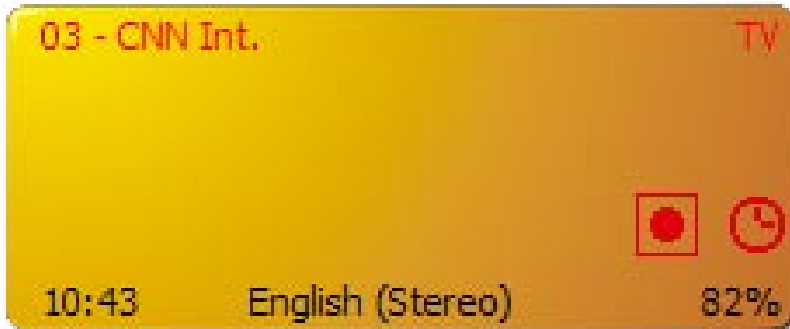


Suppose it's time to hang up the washing, and you quickly started a recording first. Now you've fulfilled your domestic duties and would like to watch the program from the beginning, although it hasn't finished recording. No problem! It's possible to adjust the playback position while a recording is in progress. For an overview of the possibilities, see [Navigation functions](#).

Direct recording

Press the record button  to record the current program of the selected station.


On the user interface display, the channel name appears, and the mode indicator turns red. Instead of the current time, the record time and the recording symbol are displayed.



To stop recording, press the stop button .




A duration of 4 hours is preset for direct recordings.

To limit the direct recording to a specific time period, for example as predetermined by EPG data, simply press the record button  again, select the desired time from the menu that appears, and change the recording length as desired.



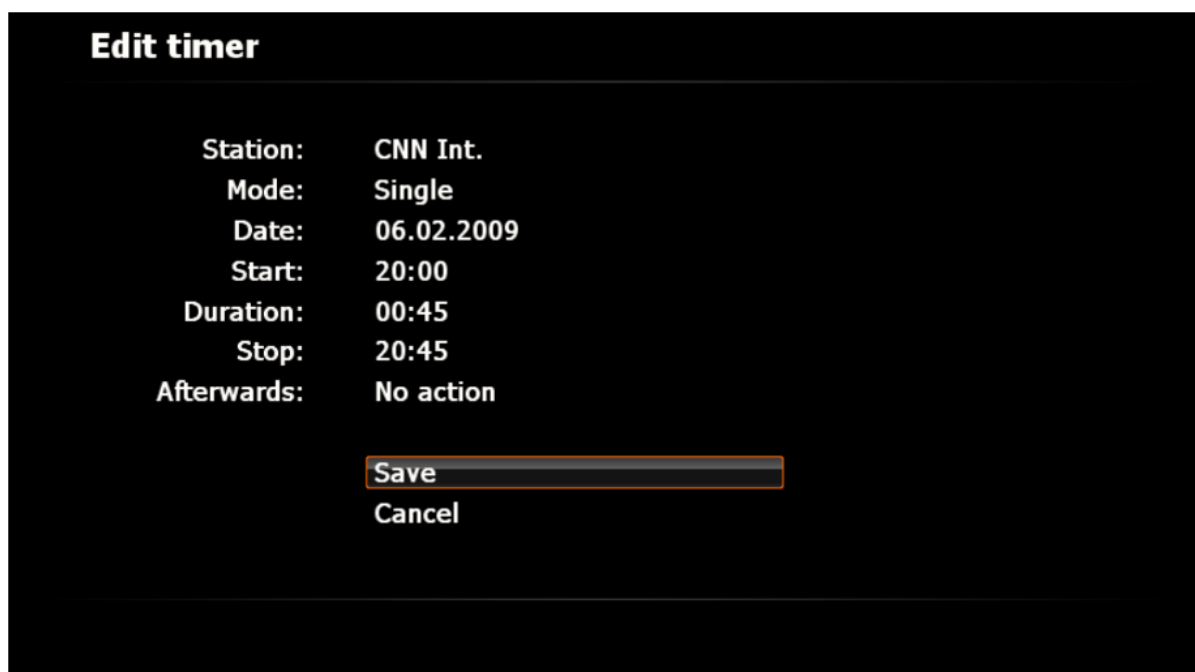
Timer-controlled recording—EPG-programmed

To program a timer-controlled recording from the EPG, click the EPG button 

and select the program in the EPG list:



Click Timer to program the show. The timer menu now opens.



Click timer again to clear the programming.

To scroll through the EPG list one day at a time, use the arrow keys on the keyboard or remote control.

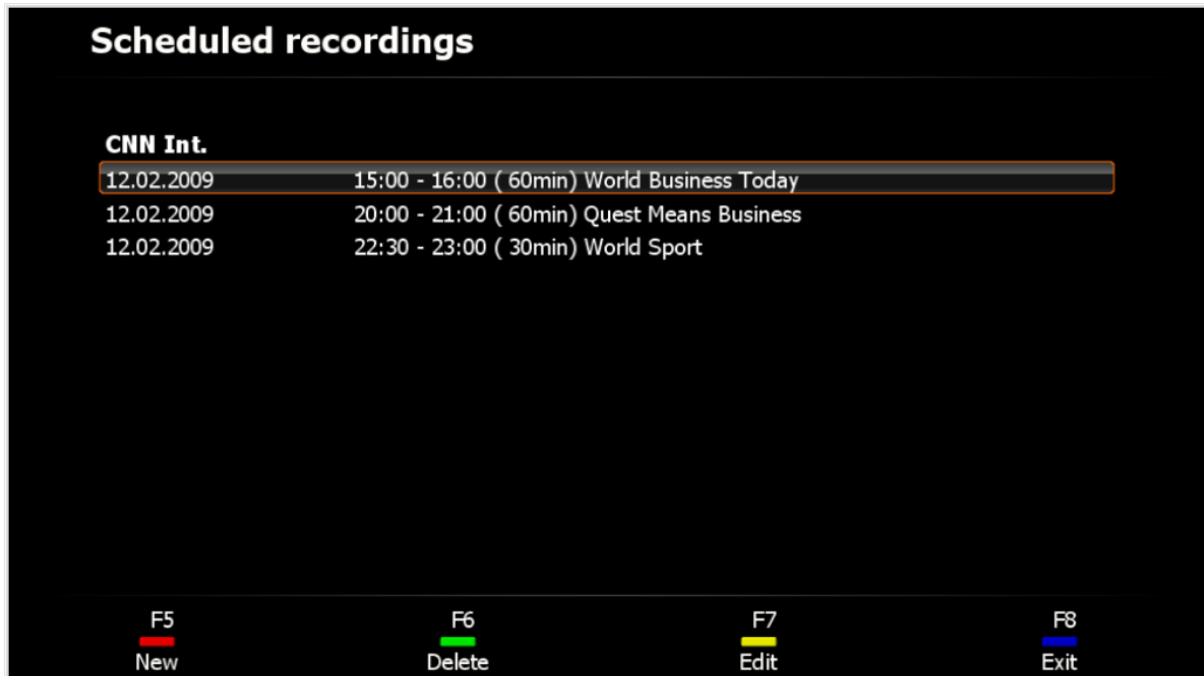
To adjust the programming manually, edit the entry on the Scheduled recordings OSD page.

You can also set up your PC to perform a specific action any time a recording is complete.

For further information, see [Settings - Recording](#).

Timer-controlled recording—manually programmed

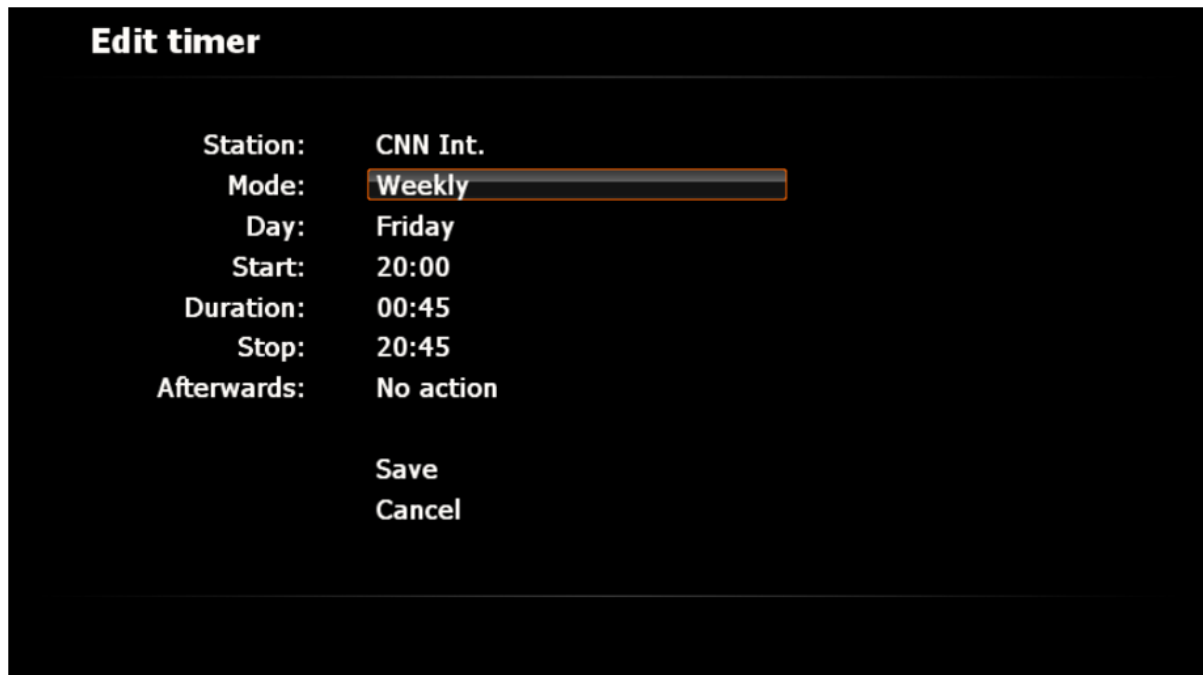
To program a recording manually, open the Scheduled recordings OSD page.



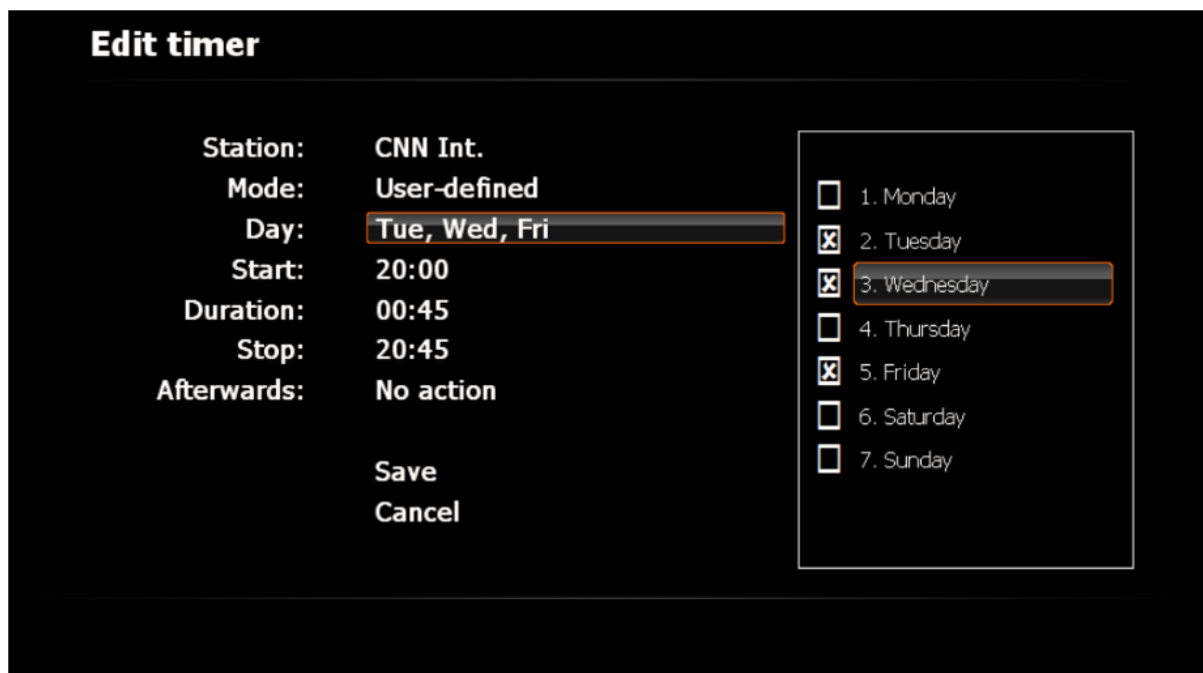
...then click New.



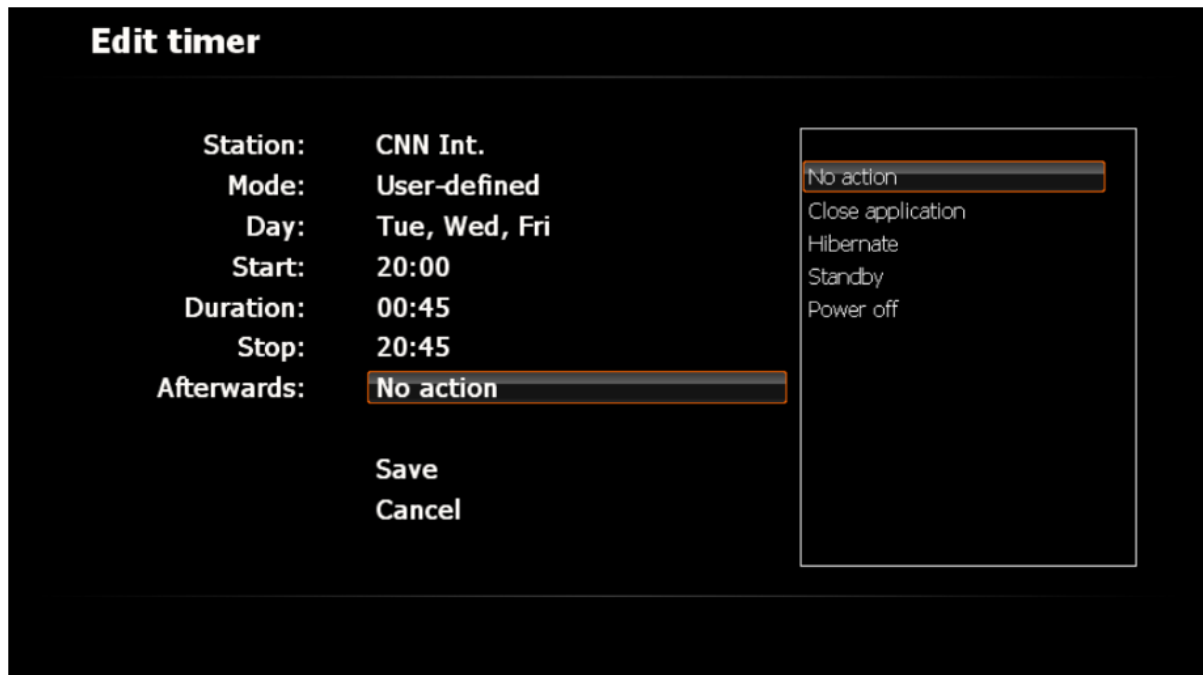
Select the desired station and click OK on the user interface or press the Enter key on your keyboard.



Select the desired recording mode. Selecting the user-defined option lets you select the days on which the recordings should take place (the keys 1-7 may be used instead of the mouse) and confirm your selection by pressing OK on the user interface, or by pressing Enter on your keyboard.



Enter the start and end times, and select an action to be performed after the recording is complete.



No action	Nothing happens after the recording completes.
Close application	The application exits after the recording completes.
Hibernate	The PC goes into hibernation mode after the recording completes.
Standby	The PC goes into standby mode after the recording completes.
Power off	The PC shuts down after the recording completes.



Please note that the "Power off" option will power down your PC, and that scheduled recordings can then no longer be performed. If you have planned further recordings, we recommend selecting the options "Hibernate" or "Standby". A warning message will be displayed before any action (other than the "No action" option) is executed. For more information on this topic, see [Power options—standby, hibernate](#).

Timer-controlled recording—programming via tvtv

Timer-controlled recording via tvtv requires a valid tvtv account.

Go to the tvtv website for your country and enter your login information:

Germany	http://www.tvtv.de	Netherlands	http://www.tvtv.nl
France	http://www.tvtv.fr	Austria	http://www.tvtv.at
United Kingdom	http://www.tvtv.co.uk	Switzerland	http://www.tvtv.ch
Italy	http://www.tvtv.it	Spain	http://www.tvtv.es



Note that your username must be at least 5 characters in length so that you can use the service in the TerraTec Home Cinema software.



Once you are logged in, simply program away.

For detailed information on tvtv settings in TerraTec Home Cinema, see [tvtv service](#).

Timer conflicts

When planning recordings with the TerraTec Home Cinema, you may find that scheduled programs overlap, preventing the recording of the complete programs.

This can occur when programming two shows on different stations but with the same start time, or when the pre/post recording times of the shows overlap.

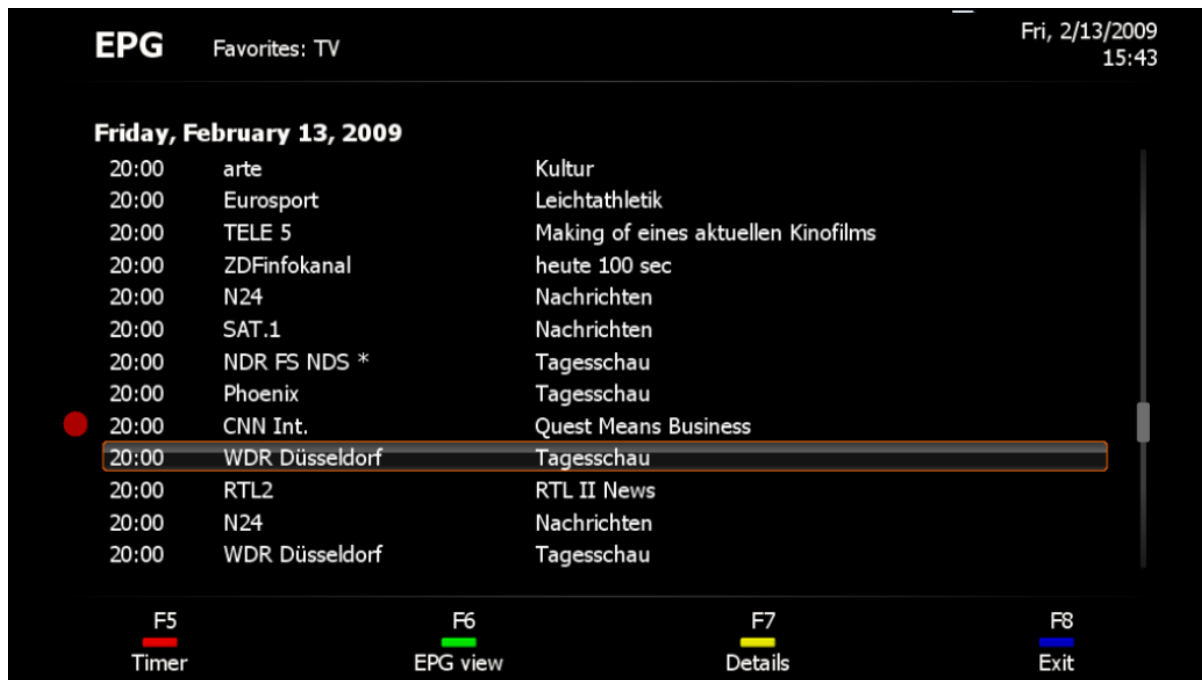


TerraTec Home Cinema provides simultaneous support for multiple TV cards. Purchasing an additional TerraTec TV tuner is therefore a proven method of preventing timer conflicts.

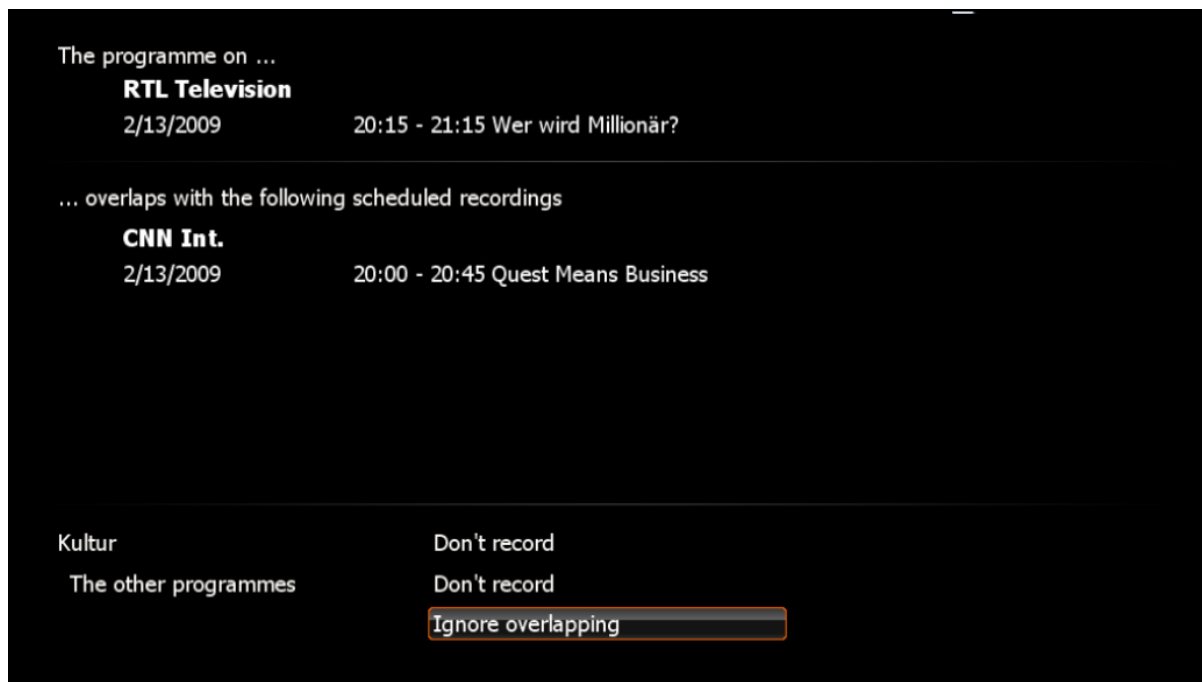
Overlapping recordings

If you program two overlapping shows on different stations,





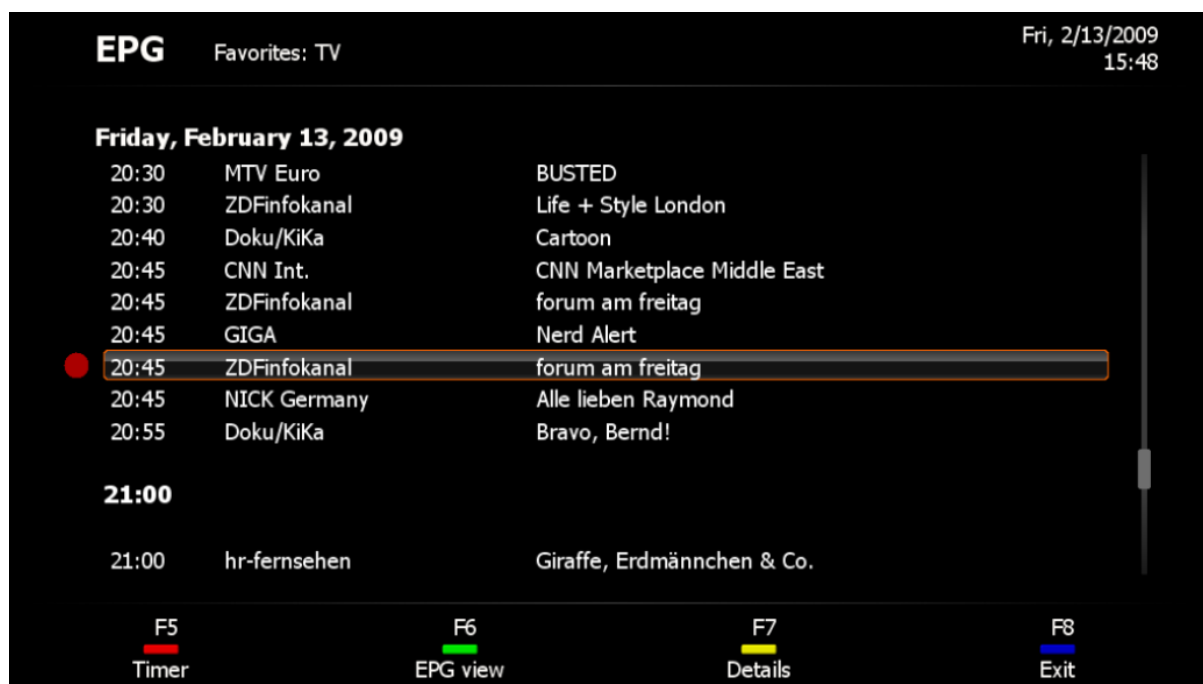
a prompt opens automatically, which displays one or more existing timer conflicts between scheduled recordings



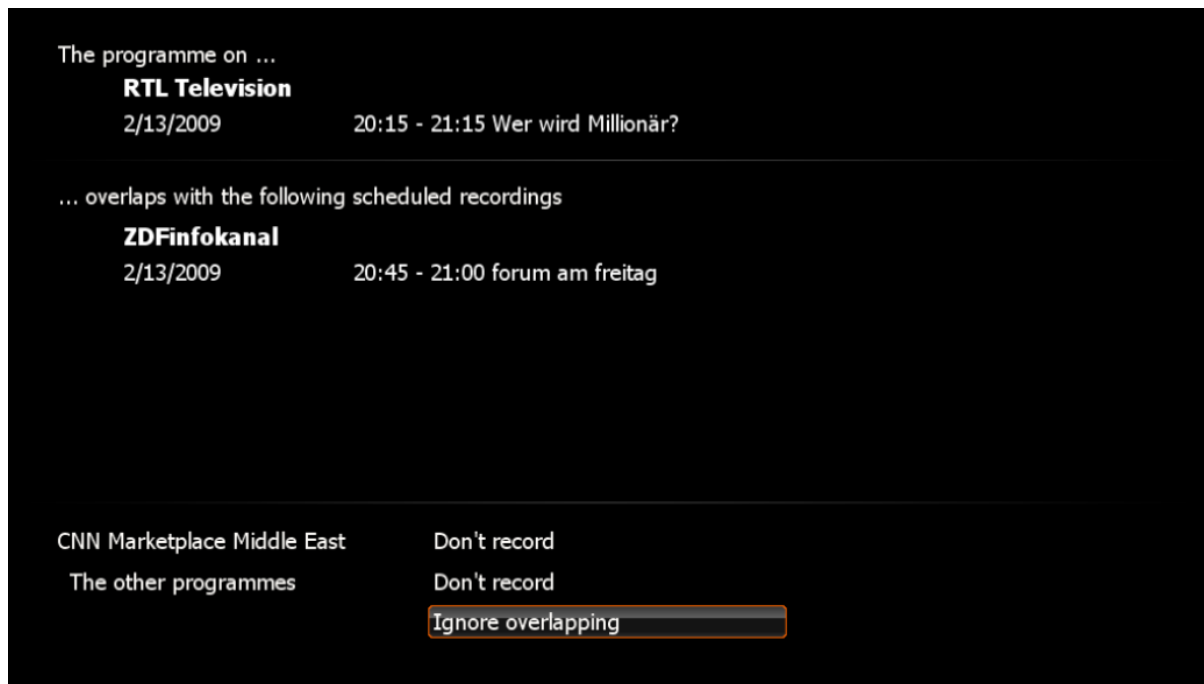
and provides the data for your scheduled recordings. Use the selection keys to keep one of the recordings, or to ignore the overlap and resolve the problem at a later time.

Overlap of recordings due to pre/post recording times

If you program two shows on different stations with overlapping pre/post recording times,



the "Edit timer" OSD page opens automatically



and provides the data for your scheduled recordings. You can use the "Don't record" buttons to remove a timer you no longer want, or "Ignore overlapping" to resolve the conflict at a later time.

To prevent future overlaps between the pre/post recording times, you can adjust these times in the [Recording preferences](#) in the TerraTec Home Cinema application...





...or you can use an additional TerraTec TV tuner card to avoid the problem in future.

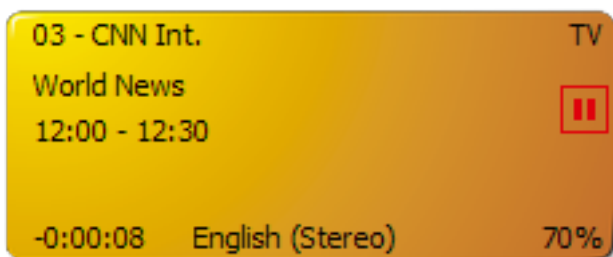
Timeshifting

Timeshifting is a truly remarkable function. It lets you interrupt programs whenever you like and continue watching them later from where you left off. The program is cached on the hard drive in the mean time.

Timeshifting starts as soon as the TV program begins. If you have disabled constant timeshifting for performance reasons, you can, of course, always enable it again manually. Manual timeshifting is described below:

To pause a program, simply click the pause button  of the user interface and the TV picture will be frozen. Click the playback button  to continue watching at the point you left off.

The timeshift symbol appears on the control panel whenever timeshifting is active.



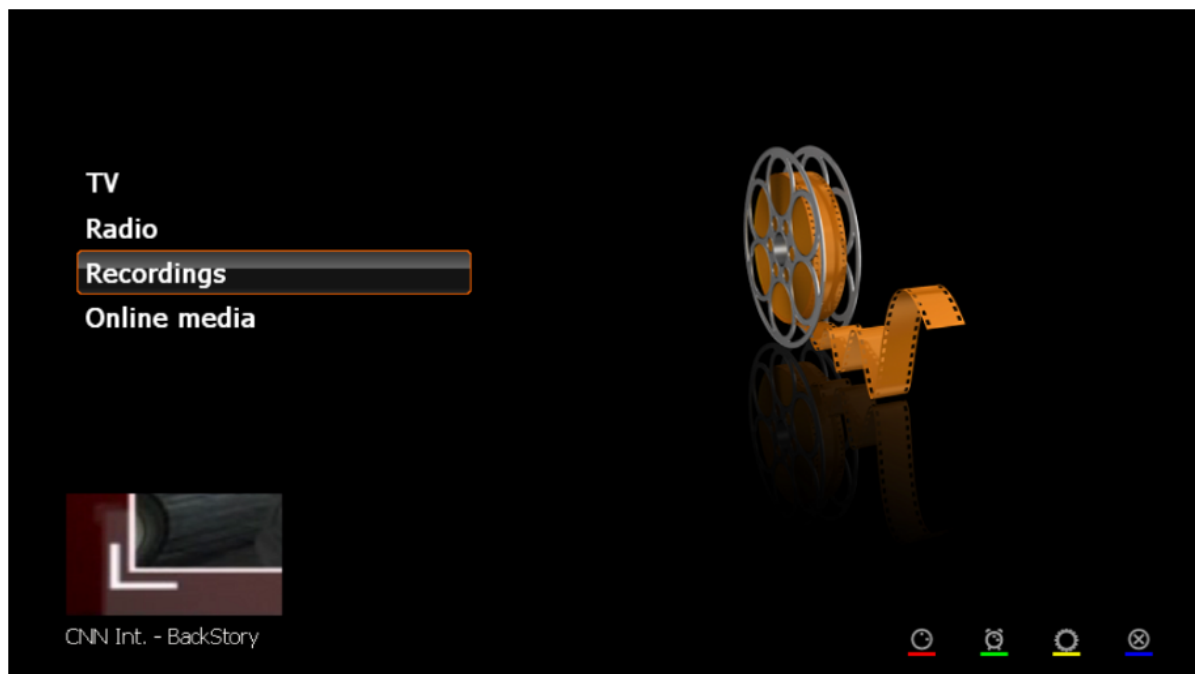
It is also possible to [navigate](#) within the timeshift recording while it is active.

For timeshifting settings, see [Recording](#).

Playback

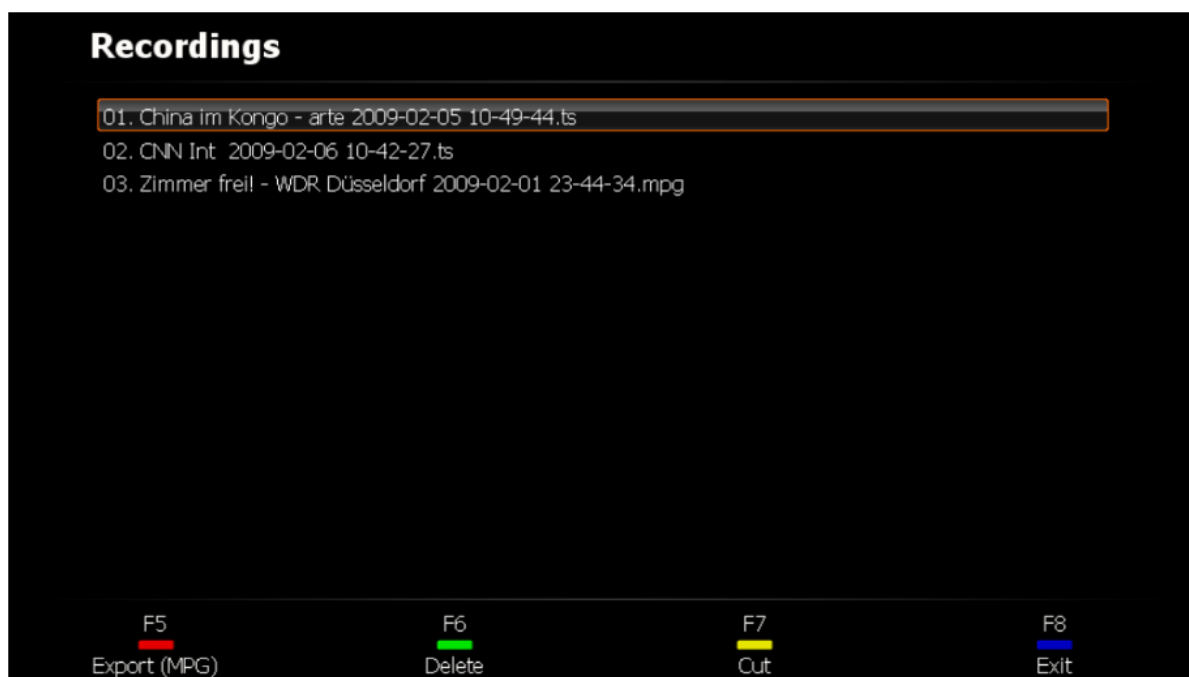
Naturally, you can also watch your recorded TV programs in TerraTec Home Cinema.

The easiest way to get to the **Recordings** mode is via the on-screen display.



Select the menu item **Recordings**.

The following page contains a list of the recorded programs in the Record folder you defined.



Start playback with **OK**.

You can also delete recordings (caution—you will not be prompted whether you really want to delete them!) or edit them using [Cut!](#).

The "Export" option appears at the bottom of the window



whenever you select an MPEG-TS recording. The recording will be converted into MPEG-PS format when you export it.

For more information on navigating within recordings, see [Navigation functions](#).

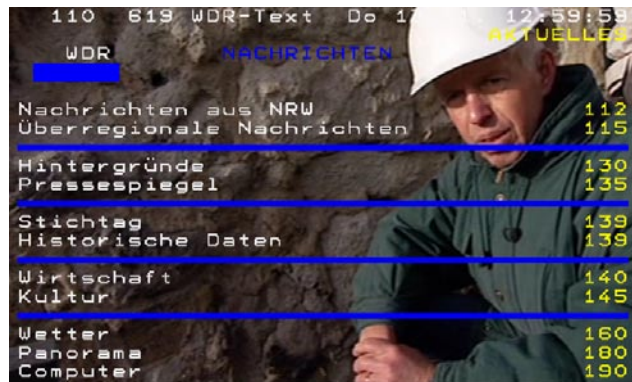
Teletext

Modern media technology like the Internet made a widespread service offered by TV broadcasting establishments somewhat forgotten in recent years: teletext.

TXT Press the Teletext button once to display the teletext page of the current station in the TV window. Pressing the button again will display the page transparently over the current TV program. Pressing it once more ends the teletext display and returns you to normal TV display.



Normal



Transparent

The remote control, mouse and keyboard can be used to navigate teletext pages. When using the numerical keypad, please ensure that the NumLock is active.

Entering the page number directly

To enter a page number directly, use the keypad of the remote control or keyboard. The page will be opened immediately after the last digit has been entered.

Using the mouse to select pages



Teletext pages can also be opened by clicking on their numbers, as you would click a link in a web browser.

a) Page memory and subpage display

In addition to the normal teletext navigation, the teletext also indicates whether additional pages with the same page number are present in the page memory. The availability of additional pages is indicated by arrows before or after the selected page number. Select the subpages with the left ◀ and right ▶ arrow buttons.



b) Page references – navigating with colour fields

Teletext itself offers simple navigation options with a method known as FLOF or TOP teletext. Colour fields or coloured text is often visible at the bottom of a teletext page. These markings are comparable to links on websites, leading directly to the relevant links. You may also find the same colours on your remote control buttons.



Example 1



Example 2

c) Teletext in a dedicated window

Teletext can also be displayed in its own window.



This can be controlled using the context menu or the **CTRL+T** key combination.

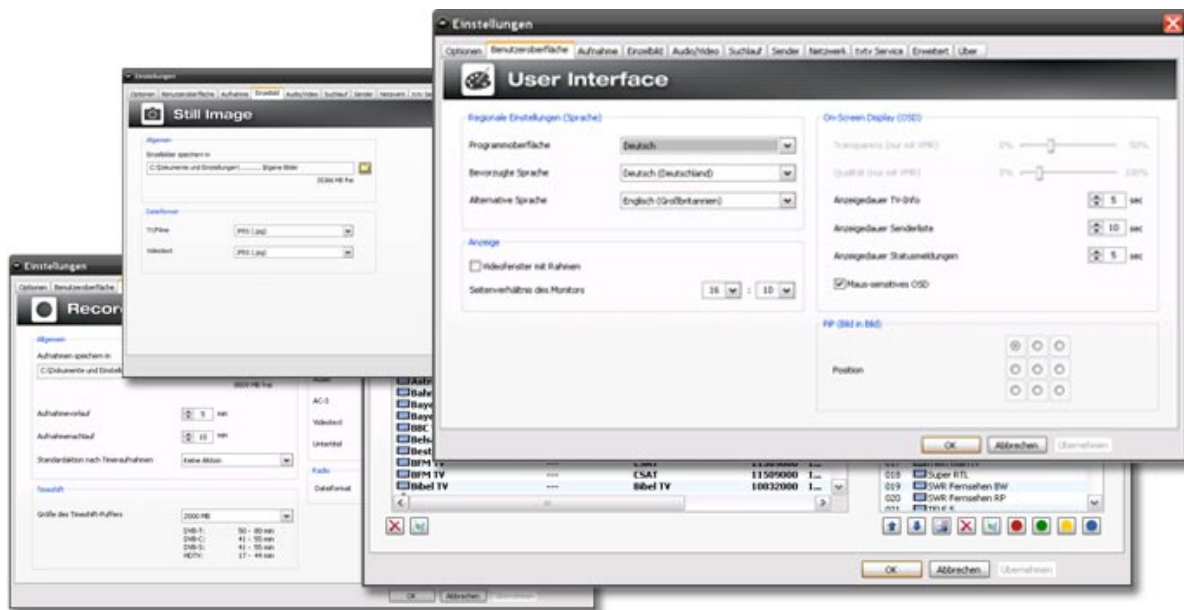


For those who are especially interested in Videotext, here is a little tip:

You can also select interesting lines of text by pressing the mouse button. Use the CTRL+C key combination to copy the highlighted text to the clipboard; then, use the CTRL+V key to copy it to another location, such as a new text document.

The settings

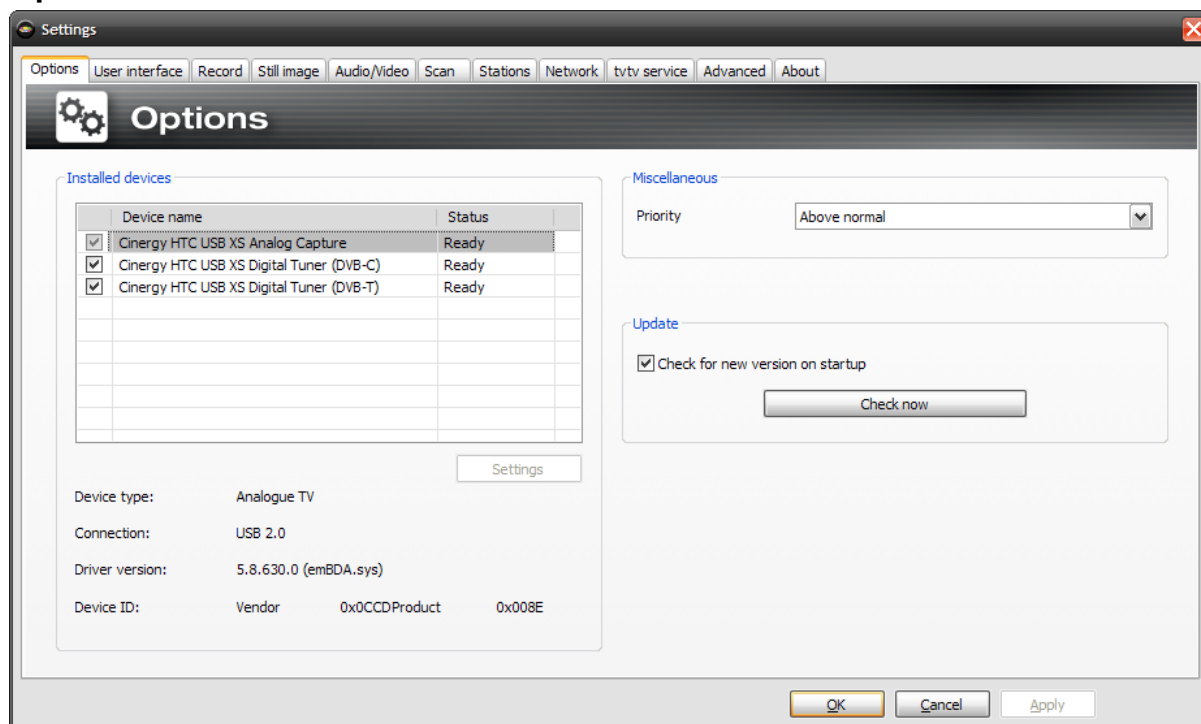
SETUP calls up the settings window.



The advanced configuration options of the TerraTec Home Cinema can be found here:

- | | |
|-----------------------|-------------------------------------------------------------------------------------------------------|
| Options | Select the TerraTec TV card you would like to use here. |
| User interface | Select the language of the user interface and control the appearance of the OSD here. |
| Record | Configure the settings for your recordings here. |
| Still image | Define how and where to save your still images here. |
| Audio/Video | You can change the audio and video settings here. |
| Scan | Start the scan here. |
| Stations | Use this tab to arrange the stations in the order you prefer, create Favourites lists, and much more. |
| Network | You can configure the network streaming options of the TerraTec Home Cinema here. |
| tv tv service | Configure the settings for the online EPG, tv tv, here. |
| Advanced | This tab gives advanced users the ability to change additional preferences. |
| About | This provides useful information about the software and the devices used. |

Options



Installed devices

A broad range of TerraTec TV products are supported. Select your devices here. If you do not want to use a device, simply untick its list entry.

Miscellaneous

Priority - Set here the priority Windows should give the application. By setting a lower value here, Windows will give more CPU resources to other applications. This may lead to choppy video playback, however.

Update

Check for new version on startup – If you enable this option, TerraTec Home Cinema checks for a new version each time it is started. If a new version is available, you can download and install it using the dialogue that appears.

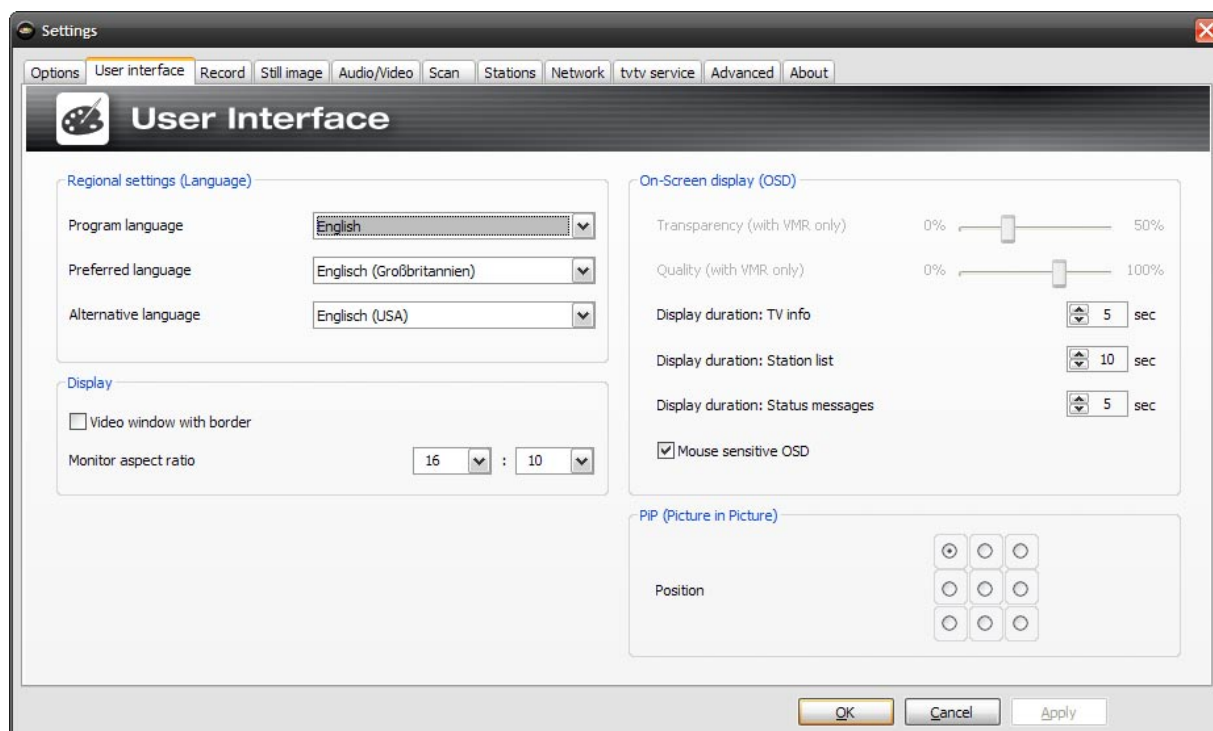
Check now – This button starts a manual check for updates.



Beta versions usually contain bug fixes, which correct faults in the application. However, please install a beta version only if you experience serious issues with TerraTec Home Cinema or if TerraTec Support recommends this version to you. You can enable this function on the "Advanced" tab.

Beta versions frequently have not yet been tested exhaustively; as a result, we cannot always provide support for these versions.

User interface



Regional settings

Program language – Select the language for the program's user interface here.

Preferred language – Select the default language for TV playback and subtitles here.

Alternative language – Select a second choice for TV playback and subtitles for cases in which the preferred language is not available.

Display

Video window with border – A border will be drawn around the TV window when this option is enabled.

Monitor aspect ratio – Enter the aspect ratio of your monitor to optimise the display for the TV picture.



Please note that most TFT displays have an aspect ratio of 5:4, while wide-screen TFTs have aspect ratios of 16:10 or 14:9. For more information, see the documentation of your display.

On-Screen display (OSD)

Transparency (with VMR-7 or VMR-9 only) – If you have activated the VMR-7 or VMR-9 options in your audio/video configuration, use this slider to adjust the transparency of the OSD.

Quality – Adjust the display quality of the OSD here. If you experience consistently choppy video, your system may be too slow to render digital TV correctly. If this is the case, set the quality of the OSD to a lower value.

Display duration: TV info – Here, you can define how long the information is to be displayed at the bottom of the screen.

Display duration: status messages – Define how long the status messages are to be displayed at the top of the screen.

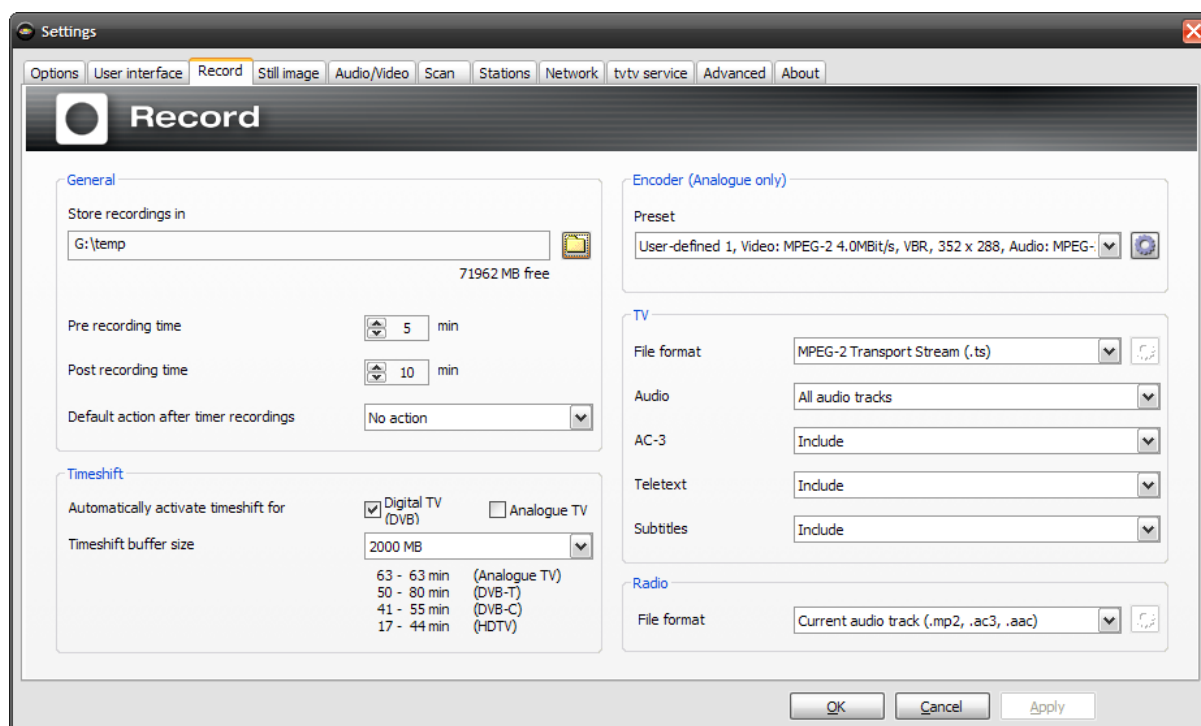
Display duration: status list – Define how long the station list is to be displayed on the right of the screen.

Mouse sensitive OSD – With this option, the OSD can be displayed automatically if you move the mouse pointer to the bottom edge (Information) or the right edge (Station list) of the TV window.

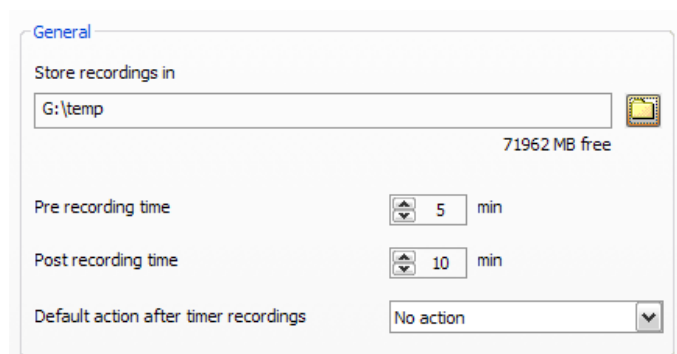
PiP (Picture in Picture)

Position – Here, you can define the position where the second TV picture is to appear. You can also define the position using the context menu or the key combination (**CTRL + 1 - 9**).

Record



General



Store recordings in – The files created by the various recording functions are stored in the Record folder.

Pre/post recording time – Set the time by which recordings start before and stop after the programmed times. The programmed times are based on the system time of your computer. You may therefore be in for an unpleasant surprise if your system time is not reasonably close to the actual time. This option lets you create additional recording time before and after the actual times to help avoid this problem.

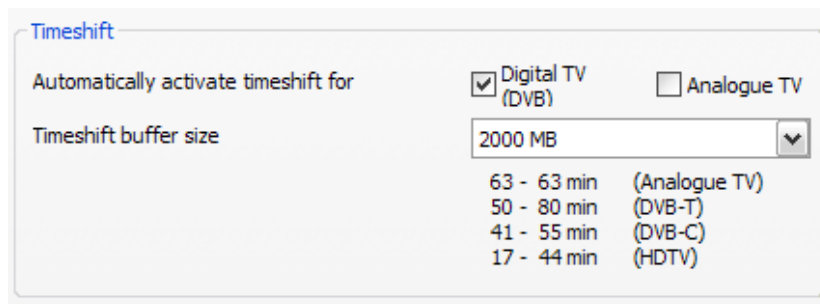
Default action after timer recordings – Select one of the following actions to be performed after a timer recording:

No action	After recording has finished, TerraTec Home Cinema continues normally.
Close application	Exits the application after the recording.
Standby	Puts the computer in standby mode.
Hibernate	Hibernates the computer.
Power off	Powers off the computer.



Please note that the "Power off" option will power down your PC, and that scheduled recordings can then no longer be performed. If you have planned further recordings, we recommend selecting the options Hibernate or Standby. A warning message will be displayed before any action (other than the "No action" option) is executed.

Timeshift



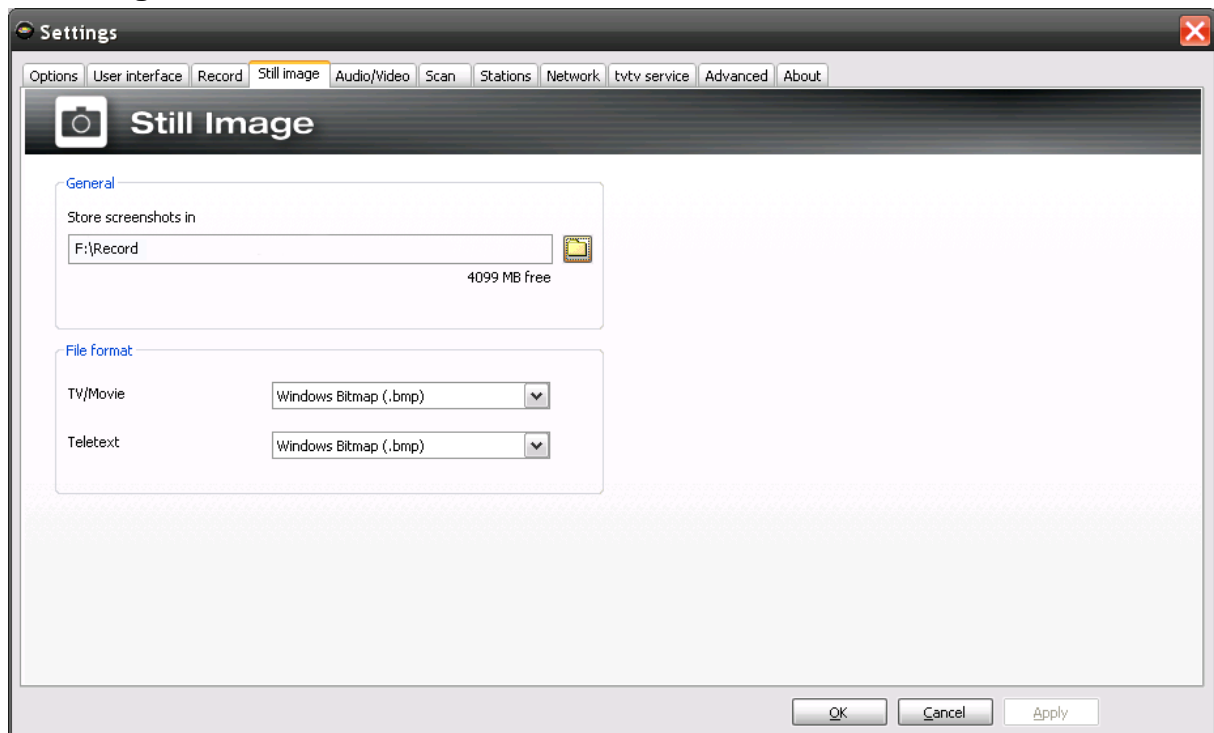
Timeshift buffer size – The maximum amount of hard drive space that may be used for timeshifting. Please note that timeshift files are always recorded in TS format for technical reasons.

Automatically activate timeshift for DVB – This function is enabled by default. This allows you to skip back during a TV program and watch the previous portion again.



The ranges of minutes, depending on the transmission standard currently used, that can be buffered are listed below the specified buffer size.

Still image



Still-image settings

Naturally, TV software is designed for viewing moving pictures, but you may nevertheless have reason to save a still image from time to time. You may wish to take a screenshot and use it as a background image for DVD authoring, for example. Teletext can also be saved this way.

General

Store screenshots in – The files created by the screenshot functions are stored in the folder.

File format

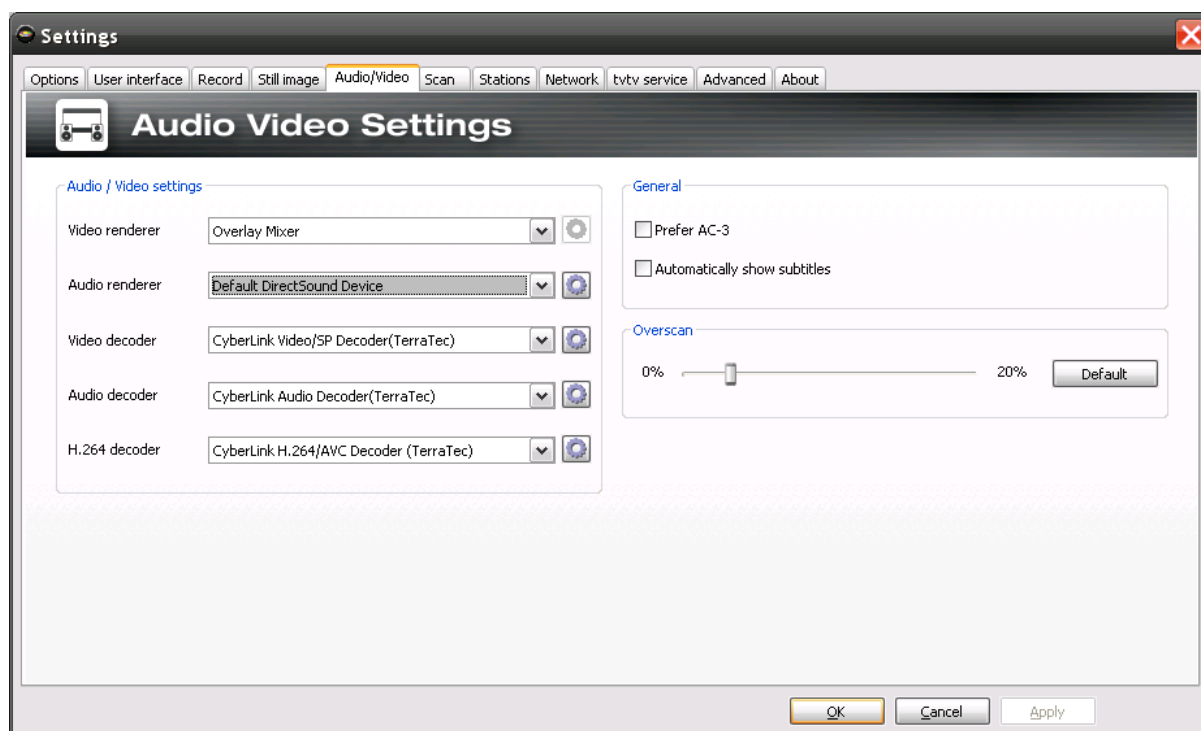
TV / Movies – Choose between saving your images as Windows bitmaps (.bmp) or the space-saving but lossy JPEG (.jpg) format.

Teletext – In addition to the "Windows Bitmap (.bmp)" and "JPEG (.jpg)" options, you may also save teletext as a text file (.txt), making it suitable for use in any text editor.



The settings made here apply globally for the entire software and are not stored individually for each station.

Audio/Video



Audio/Video settings

Audio/Video settings

Video Renderer– Windows offers a number of options for conjuring a TV picture onto your monitor. The so-called Overlay Mixer, in which the picture is written directly to the memory of the graphics card, is generally suitable for this task. The graphics card drivers must play along for this to work correctly, however. An alternative is the VMR-7 or VMR-9 (video mixing renderer) provided by recent DirectX versions. If you experience difficulties with the TV picture, we recommend activating the "Video Mixing Render 7" or "Video Mixing Render 9" option.



Under Windows XP, we recommend using the "Overlay Mixer" wherever possible. Under Windows Vista, we suggest the "Video Mixing Render 9" option. Not all decoders support VMR-7 or VMR-9 mode. At times, a number of attempts may be necessary to find the best combination for audio/video playback.

Audio renderer – Select the default device or a special audio driver for your audio playback here.

The following options let you select specific decoders for the various audio and video standards. If the gear button behind the option is active, additional configuration options are available for that decoder.

Video decoder – Here, you should select the CyberLink Video/SP Decoder (TerraTec).

Audio decoder – The default setting for the audio decoder should be the CyberLink Audio Decoder (TerraTec).

H.264 decoder – To be able to watch HDTV, you need an H.264 decoder, which is installed automatically when you install the TerraTec Home Cinema. If more than codec are available (for example from a codec pack), please select the CyberLink H.264/AVC Decoder (TerraTec).



Please note that the ability to receive HDTV depends on the station. Many stations still do not broadcast their programs in high-definition TV format.

General

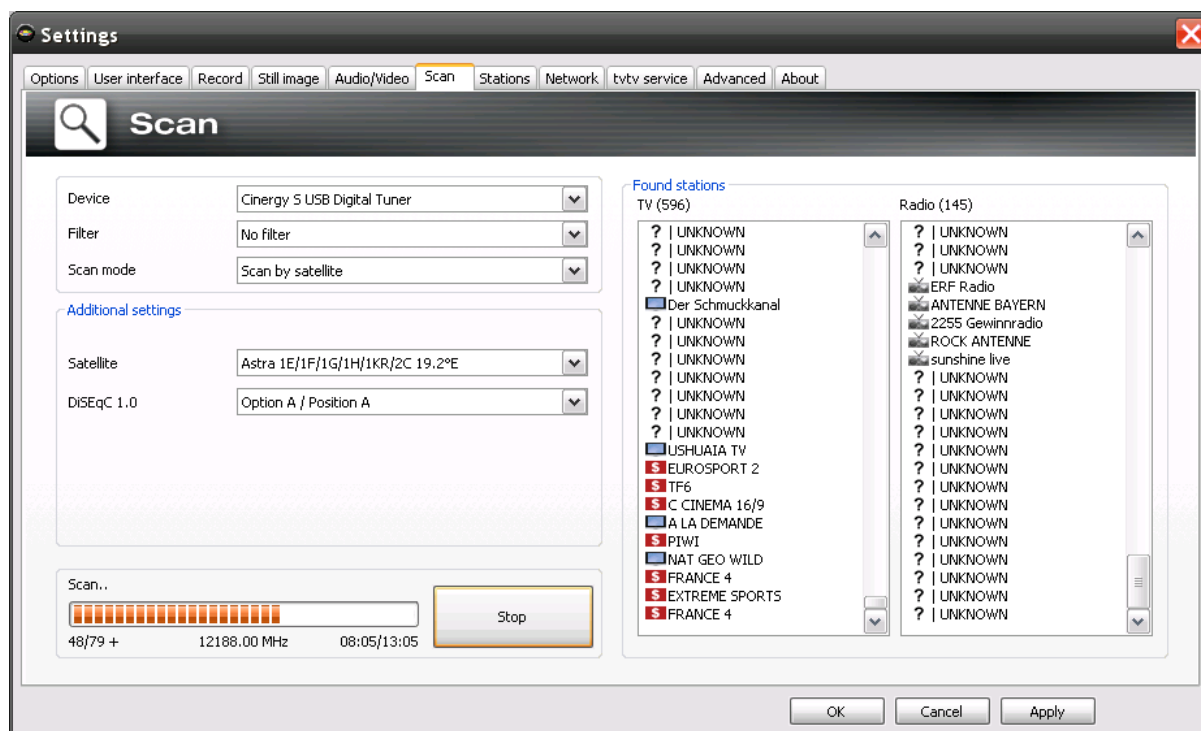
Prefer AC-3 – Automatically selects the current program's AC-3 audio track for playback, if available.

Automatically show subtitles – Subtitles, if available, will be displayed automatically if this option is enabled. If multiple sets of subtitles are available, the subtitles in the language selected in the regional settings under Options will be displayed automatically.

Overscan

Unattractive black areas can appear along the edges of the TV image. These do not appear on regular TV sets, which use what is known as overscan. This zooms in on the picture slightly, cutting off the edges. This option allows you to reproduce this effect in TerraTec Home Cinema and adjust the ratio.

Scan



The station scan

Device – Select the device for which to perform a station scan. This is only necessary once for each standard (e.g. DVB-T). If you have installed multiple devices that use the same standard, the found stations will be available for all of those devices, of course.

Filter – Restrict the scan to free, encrypted, or all available stations (no filter).

Scan mode – Depending on the TV standard, a variety of options are available here. For more information, please see the scan section for the relevant TV standard.

Click "Scan" to start the scan.

DVB-T scan

Scan mode: Scan by region



Region – Select your reception region from the list. If you cannot find it, simply select "All".

Scan intensity – Some countries, such as France, broadcast stations slightly off of the standardised frequencies. This option lets you customise the scan in cases in which it does not find all stations while in "Normal" mode.

Scan mode: Scan by frequency band or single frequency

Additional settings

Frequency (kHz)	From	to	Step size
	59750	818000	8000
Bandwidth	8 MHz		
Scan intensity	Normal		

Scan one frequency band

Additional settings

Frequency (kHz)	59750
Bandwidth	8 MHz
Scan intensity	Normal

Scan single frequency

Frequency (kHz) – Specialists will appreciate the ability to select an individual frequency or frequency band and its step size for scanning.

Bandwidth – DVB-T can be broadcast at varying bandwidths. 7 or 8 MHz are common in Europe, while 6 MHz is used in Taiwan, for example.

Scan intensity – See "Scan mode: Scan by region"

DVB-S scan

Scan mode: Scan by satellite

Additional settings

Satellite	Astra 1E/1F/1G/1H/1KR/2C 19.2°E
DiSEqC 1.0	Option A / Position A

Satellite – Select the satellite to which you have set your dish.

DiSEqC 1.0 – DiSEqC is used to control satellite systems that receive data (TV) from more than one satellite. Configure this setting to match those on your satellite system. If in doubt, consult your radio and TV technician. DiSEqC 1.0 allows you to receive up to four different satellites.

Example:

Your satellite system is pointed towards Astra and Eutelsat. In this case, configure the DiSEqC options as follows:

Option A / Position A during the scan on Astra

Option B / Position B during the scan on Eutelsat



Since, unfortunately, no standardised settings exist for satellite systems, often the only option is trial and error if no information about the satellite system is available. For the same reason, we hope you understand that our support team may not always have the answers regarding your settings.

If in doubt, consult your radio and TV technician.

Scan mode: Scan by frequency band or single frequency

Additional settings

Frequency (kHz)	From	to	Step size
	0	818000	8000
Symbol rate (KS)	27500		
Polarisation	Linear horizontal		
DiSEqC 1.0	Option A / Position A		
	<input checked="" type="radio"/> DVB-S <input type="radio"/> DVB-S2		

Scan one frequency band

Additional settings

Frequency (kHz)	0
Symbol rate (KS)	27500
Polarisation	Linear horizontal
DiSEqC 1.0	Option A / Position A
	<input checked="" type="radio"/> DVB-S <input type="radio"/> DVB-S2

Scan single frequency

Frequency (kHz) – Specialists will appreciate the ability to select an individual frequency or frequency band and its step size for scanning.

Symbol rate (KS) – The symbol rate is the specified data transmission speed. It must be specified when scanning a frequency band or individual frequency.

Polarisation – A frequency can be polarised horizontally or vertically. Select the correct polarisation here.

FEC – (forward error correction) This option specifies the error protection of the signal.

Information on satellite programs and their parameters can be found at a number of sources, including:

<http://www.lyngsat.com>

DVB-C scan

Scan mode: Scan by region

Additional settings

Region	Europe
--------	--------

Region – Select your reception region from the list. If you cannot find it, simply select "All".

Scan mode: Scan by frequency band or single frequency

Additional settings

Frequency (kHz)	From	to	Step size
	59750	818000	8000
Symbol rate (KS)	27500		
Modulation type	auto		

Scan one frequency band

Additional settings

Frequency (kHz)	59750
Symbol rate (KS)	27500
Modulation type	auto

Scan single frequency

Frequency (kHz) – Specialists will appreciate the ability to select an individual frequency or frequency band and its step size for scanning.

Symbol rate (KS) – The symbol rate is the specified data transmission speed. It must be specified when scanning a frequency band or individual frequency.

Modulation type – The modulation type is a further option for data transmission and can be specified for certain programs.

Analogue scan

Scan mode: Scan by region

Additional settings

Region: Europe

TV standard:

Region – Select your reception region from the list. If you cannot find it, simply select "All".

Scan mode: Scan by frequency band or single frequency

Additional settings

Frequency (kHz): From 0 to 818000 Step size 8000

TV standard: United Kingdom (United Kingdom) - PAL I

Scan one frequency band

Scan single frequency

Frequency (kHz) – Specialists will appreciate the ability to select an individual frequency or frequency band and its step size for scanning.

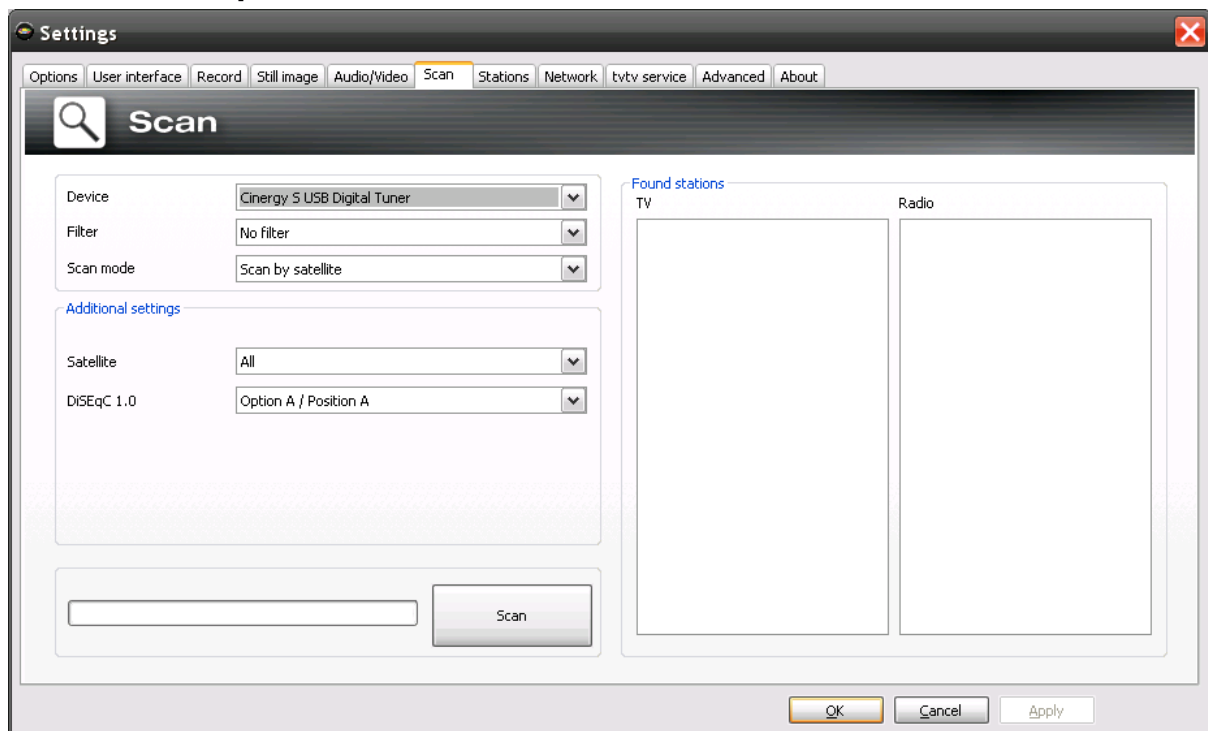


If your TV solution has analogue inputs, then they are treated like channels. The names for the analogue inputs are automatically assigned and depend on the type of connection -> S-Video / composite. If you connect external devices here, it is best to name the connection after the device, such as "Satellite receiver" or "Playstation".

FM scan

To receive radio using your FM-capable TV card, you first have to run a scan. To do so, select the analogue tuner on your TV card (if available), then "Scan by region" and then the "FM only" region in the drop-down menu.

Station list import



Furthermore, you have two options for importing existing station lists. To access these, click the following in the selection menu for the scan mode:

Import stations from file

This allows you to import a station list from a previous channel scan. This is recommended if you have to reinstall TerraTec Home Cinema. It also allows you to use a sender list created by someone you know in our neighbourhood, sparing you the time it takes to run a scan.

Import stations from Internet

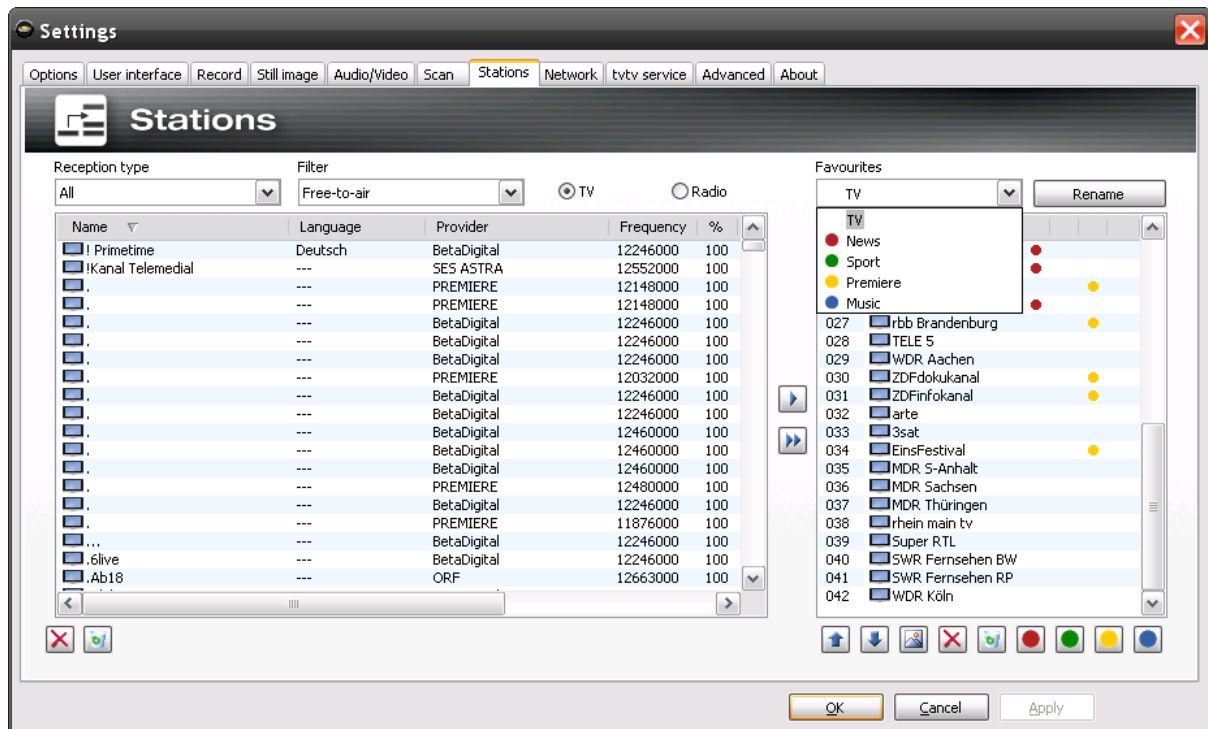
Here, first select your transmission standard, then the file that you want to import. The lists are named according to the region or satellite.

Then click "Apply" to save your station database



An Internet import is particularly recommended for the DVB-S transmission standard, because the satellite scan can take about an hour. With an import, the stations are pre-sorted and can be added to your station database with just a click. This method has you up and running fast.

Stations





Station management

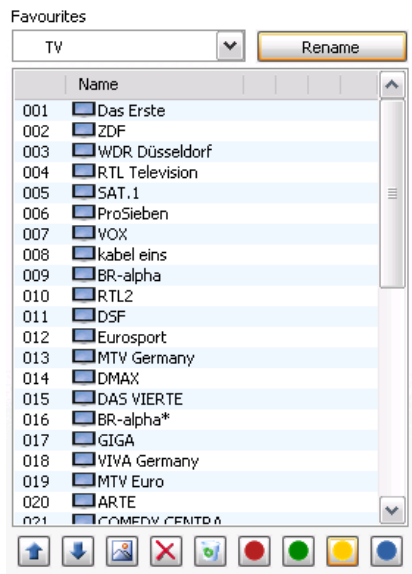
The left side of the station management tab contains a list of all of the stations found during one or more scans. The list can be filtered according to reception types, filters (whether the stations are free or encrypted) or whether they are TV or radio broadcasts.



Use the  button to add selected stations to the Favourites list, or the  button to add all stations.




You will only be able to select stations that are in a Favourites list. Analogue video inputs are indicated by the symbols  for composite and  for S-Video, and can be added to the favourites list just like "regular" channels.

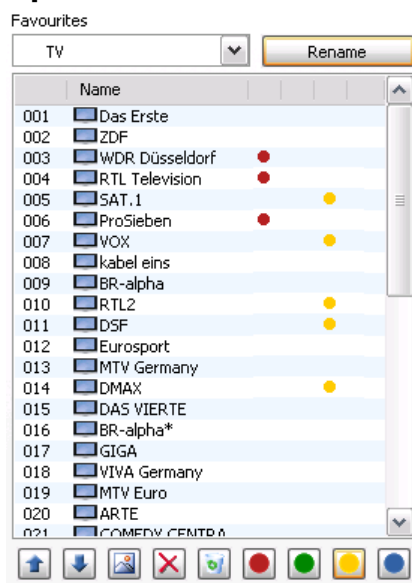
Setting up Favourites lists



To sort stations according to your preferences, select them and move them up or down the list with the  and  buttons.





Use the  and  buttons to remove one or more stations from the Favourites list.


Special Favourites lists



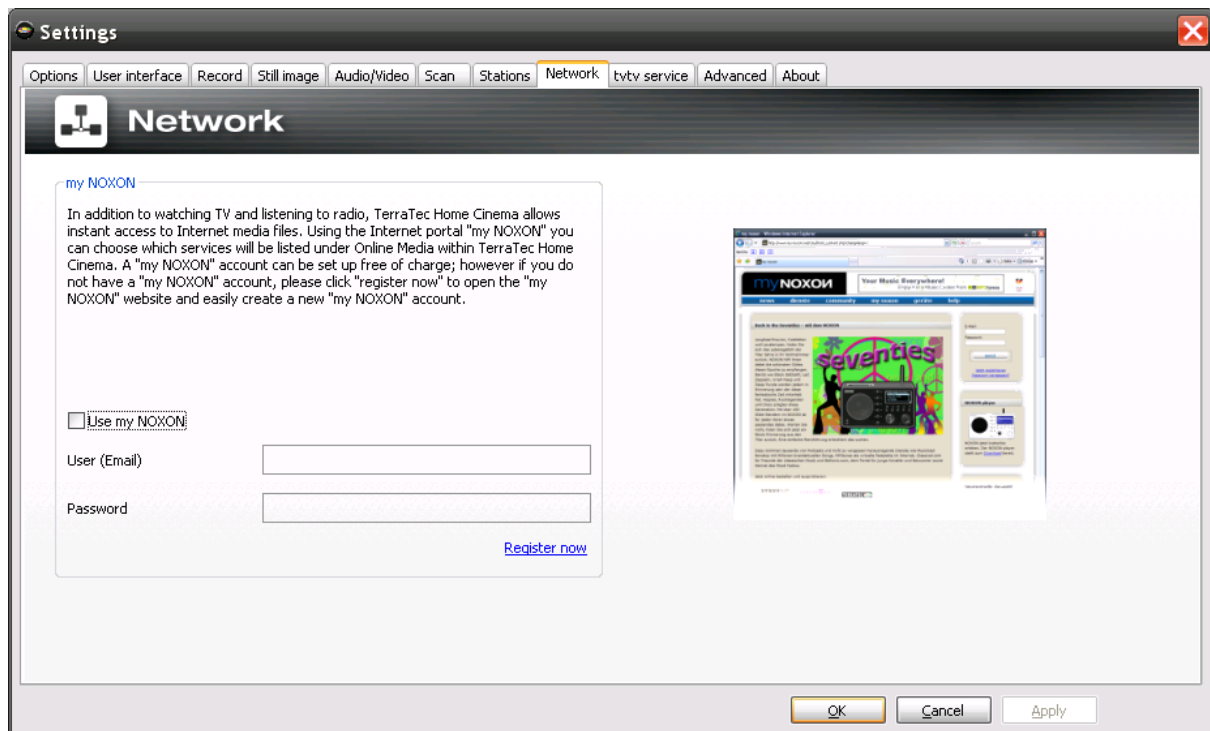
In addition to the standard radio and TV Favourites lists, you may also create special Favourites lists.

These Favourites lists can perform a variety of functions, for example sorting stations according to DVB-T coverage areas, transmission standards (e.g. analogue/DVB-T/DVB-S) or genres such as sports, movies or news.

To add a station to a special Favourites list, select the station and click one of the coloured buttons    . Individual stations may be added to more than one list.

Click  to name the special Favourites list.

Network



On the Online media tab of the OSD, you can, among other things, access the "myNoxon" portal. To use this service, you can register free of charge at <http://my-noxon.de>. Then, once you enter your user data here, you have immediate access to a great variety of online content.

tv tv service

tv tv is a program information service similar to the EPG that allows you to program recordings via the Internet or a WAP-enabled cellular phone. In addition, this service offers much more extensive EPG data for digital and analogue television.

The tv tv options include:

Use tv tv – If you do not want to use the tv tv service, disable it by clearing this checkbox.

User account

Your username, password, tv tv server and the validity of your subscription are all set when configuring the tv tv service and are shown here for your information. You can also set up tv tv access at a later date if you did not do so when installing the application.



Note that your username must be at least 5 characters in length so that you can use the service in the TerraTec Home Cinema software.

Proxy settings

The proxy settings are only required if you connect to the Internet via a proxy server. For the correct settings, either check your default web browser or contact your system administrator.

Downloads

The **automatic job query** option is important here. Use it to define how often the application should download your programming from the tv tv server.

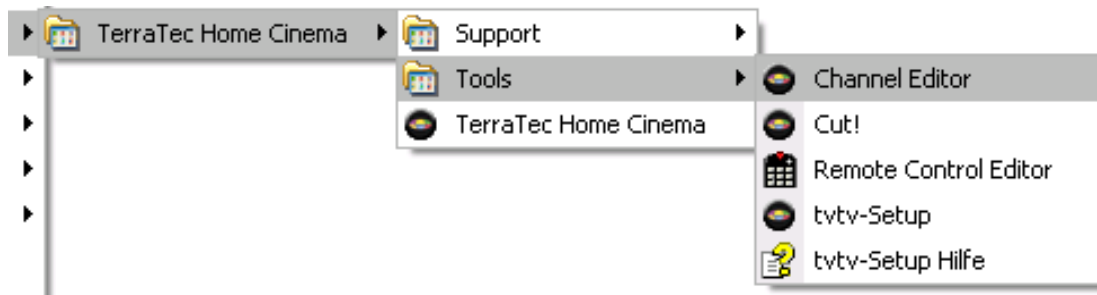
In the option **Automatic EPG Download**, define when tv tv EPG data are to be downloaded. tv tv offers the EPG data for 3 weeks.

Website – Opens the selected tv tv website in your web browser.

Jobs – Use this button to search manually for new recording jobs. An entry just made may not be visible under certain circumstances. If you do not see it, click **add now** in your **job list** on the tvtv website.

EPG – Starts a manual download of the tvtv EPG data.

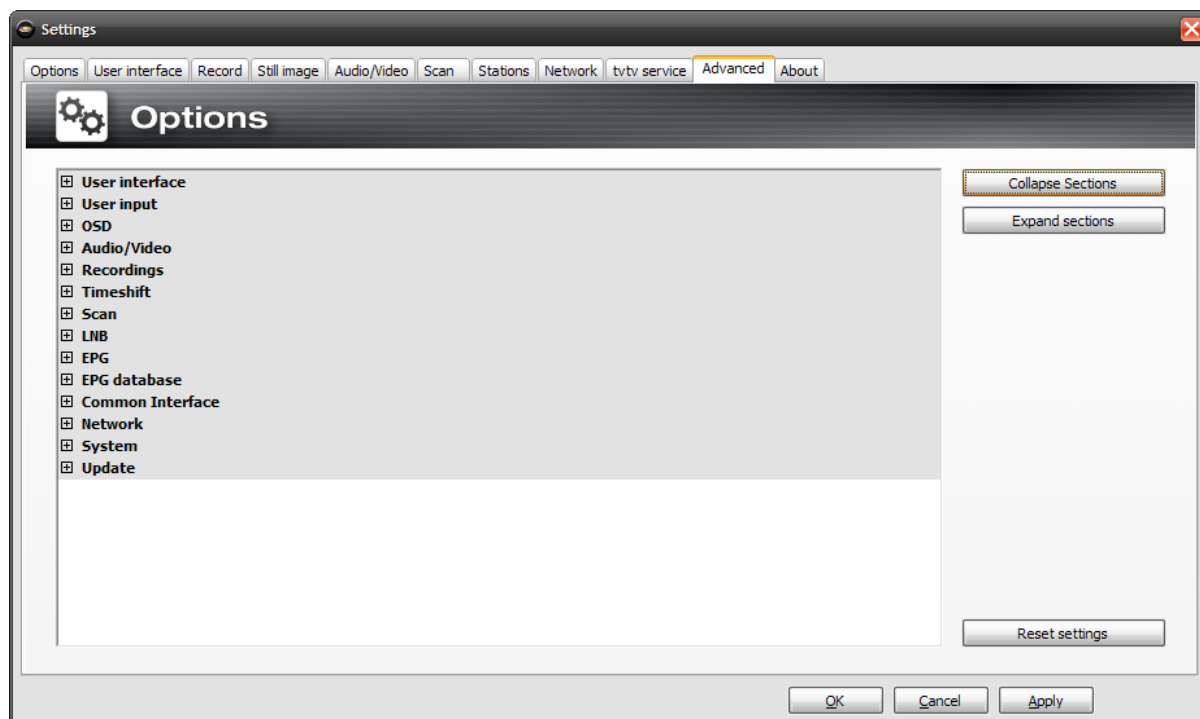
Stations – Compares the list of stations found by TerraTec Home Cinema with those of tvtv. It may inform you that stations cannot be associated correctly. To correct the problem, use the Channel Editor located under the Tools menu of the TerraTec Home Cinema.



If the tvtv service is activated, the function will be executed automatically after each scan of the TerraTec Home Cinema. The TerraTec Home Cinema will also automatically search for new recording jobs every time it launches.

Advanced

The advanced settings give you the ability to change additional preferences. Please note, however, that the preset default values for advanced settings generally function perfectly well. We recommend making changes only if you are sure of their results, or if our technical support suggests doing so.



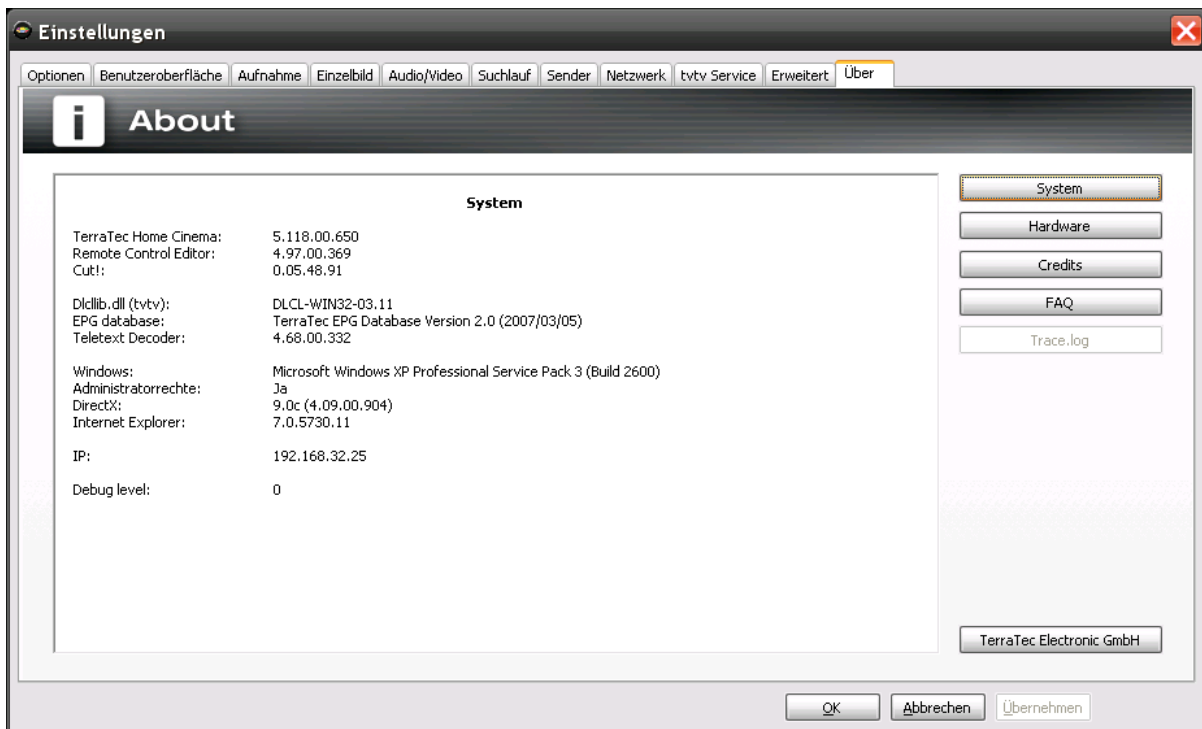
User interface	
Show control window only in info area (not in the taskbar)	If set to "Yes" (default), the control window is not displayed as a separate task in the taskbar.
Minimise control window in the info area	If set to "Yes" (default), the control window disappears from the info area when the task is minimised.
Dock video window along screen edge	If set to "Yes" (default), the video window automatically docks along the screen edge if you move it to the edge.
User input	
Number input delay	Specifies the delay for number input.
Fast switching delay	Specifies the delay for switching.

OSD	
Area for mouse-sensitive OSD	Portion of the video window (as a percentage) in which the mouse pointer triggers the mouse-sensitive OSD (such as Favourites lists in TV mode).
Delay for displaying mouse-sensitive OSD	Indicates the delay before the mouse-sensitive OSD is displayed.
Delay for hiding mouse-sensitive OSD	Indicates the delay before the mouse-sensitive OSD is hidden.
Enable animated displaying/hiding for OSD	If set to "Yes" (default), the mouse-sensitive OSD disappears into the TV picture in an animated fashion.
Signal information interval	Indicates how long the signal information is shown.
Enable OSD fix for NVIDIA graphics boards	Enable this option if you have an NVIDIA graphics board and the OSD does not function properly.
Audio/Video	
Audio fade-in	Indicates the length of the audio fade-in time when switching stations or muting.
Audio fade-out	Indicates the length of the audio fade-out time when switching stations or muting.
Add <Enhanced Video Renderer> to list of video renderers	Adds the Enhanced Video Renderer to the list of video renderers (for problems with HDTV).
Encode analogue TV with MPEG for display	If set to "Yes", analogue TV is encoded according to MPEG for the display.
Enable PID filter	Enables/disables the PID filter.
Enable PMT correction	Enables/disables PMT correction.
Enable adaptation field control (Arte HD)	Enables/disables adaptation field control (Arte HD).
Recordings	
Create XML file	Creates, in addition to the recording, an XML file with additional data, such as EPG details.
File template	Indicates the components that make up the file name of a recording.
Analyse recordings automatically	Enables/disables automatic recording analysis.
Default length for direct recordings	Indicates the default length for direct recordings.
Split recording files	Indicates whether recordings in long files should be split.
Size for split files	Indicates the size of the individual split recordings.
Computer start-up time before recording	Indicates how long before a recording the computer should be woken up from standby or

	hibernation.
Interval for verifying scheduled recordings	Indicates the interval for verifying scheduled recordings.
Allow AVI recordings	Enables/disables AVI as a recording format.
Set time stamp for AVI recordings	Places a time stamp on the video image for AVI recordings.
Audio amplification for AVI	Enables/disables audio amplification for AVI.
Search subdirectories of the recording folder	Also searches for recordings in subdirectories.
Timeshift	
Delete timeshift buffer after use	Automatically deletes timeshift buffer after use.
Scan	
Enable scan via NIT	Switches on the scan via NIT.
LNB	
Overwrite LNB settings	Allows you to make changes to the your LNB settings.
Lower frequency	Specifies the lower frequency.
Upper frequency	Specifies the upper frequency.
Switching frequency	Indicates the switching frequency.
EPG	
Enable EPG in context menu	Enables EPG in the context menu.
Show current program in Favourites	Indicates whether the current program is displayed in the Favourites.
Show next program in Favourites	Indicates whether the following program is displayed in the Favourites.
Show start time of program in Favourites	Indicates whether the starting time of the program is displayed in the Favourites.
EPG database	
Enable EPG database	Enables the EPG database.
Number of entries in cache	Indicates the number of entries in the cache.
Cache size	Indicates the size of the cache.
Cache refresh interval	Indicates the interval for refreshing the cache.

Common Interface	
Disable CAM messages	Enables/disables CAM messages.
Network	
Telnet	Enables/disables Telnet for network streaming.
Multicast	Enables/disables multicast for network streaming.
Multicast IP	Specifies the IP for the multicast.
Multicast port	Specifies the port for the multicast.
System	
Use all processors	For CPUs with more than one processor core, you can specify here whether all cores are to be used.
Update	
Also allow beta versions	During updates, beta versions are allowed, too! These are not supported by our technical support department. Because of this, this option is disabled by default.

About



This tab contains a wide range of information about your system and TerraTec Home Cinema.

This information is especially useful any time you need to contact TerraTec Support.

Context menus

Context menus frequently make access to specific functions easier. TerraTec Home Cinema also has a number of special functions that are only available in the context menus.

To open the context menu, right-click in the TV window.

Various modes and displays feature different context menus. Functions that can only be accessed via context menus are described below.














a) Context menu: TV/Radio

TV favourites	▶
Radio favourites	▶
Recordings	▶
<hr/>	
Last seen	▶
Most seen	▶
<hr/>	
↑ Station +	Arrow up
↓ Station -	Arrow down
<hr/>	
🔇 Mute	M
🔊 Volume +	+
🔊 Volume -	-
<hr/>	
Video	
Audio	▶
Subtitles	
Aspect Ratio	▶
PIP (Picture in Picture)	▶
<hr/>	
☰ Teletext	T
☰ Teletext in separate window	Ctrl+T
<hr/>	
🔴 Stop audio/video playback	
Desktop TV	
<hr/>	
⏸ Timeshift	Pause
● Start recording	R
● Stop all recordings	
<hr/>	
📁 Open video folder	Ctrl+V
📁 Open picture folder	Ctrl+P
<hr/>	
EPG Search	Shift+E
<hr/>	
Signal information	Ctrl+I
⚙ Options	Ctrl+S
<hr/>	
Always on top	
☐ Full screen	F11 / Double-click
✕ Close	Ctrl+X
🚪 Exit	Alt+F4




Exclusive feature

Desktop TV – Uses the TV picture as your desktop wallpaper.

b) Context menu: Recording

 TV favourites	▶
Radio favourites	▶
 Recordings	▶
Last seen	▶
Most seen	▶
External inputs	▶
Station +	Page Up
Station -	Page Down
 Mute	M
 Volume +	+
 Volume -	-
Video	
Audio	▶
Subtitles	
Aspect Ratio	▶
PIP (Picture in Picture)	▶
 Stop audio/video playback	
Desktop TV	
 Stop recording	X
 Stop all recordings	
 Open video folder	Ctrl+V
 Open picture folder	Ctrl+P
EPG Search	Shift+E
Signal information	Ctrl+I
 Options	Ctrl+S
Always on top	
<input type="checkbox"/> Full screen	F11 / Double-click
 Close	Ctrl+X
 Exit	Alt+F4

c) Context menu: Teletext

Home page	Home
 Page +	Arrow up
 Page -	Arrow down
Next subpage	Arrow right
Previous subpage	Arrow left
Back	Backspace
Forward	Shift+Backspace
Copy selection	Ctrl+C
Copy all	Ctrl+A
Save as	Ctrl+S
Transparent	Alt+T
Teletext off	Esc
Always on top	
<input type="checkbox"/> Full screen	F11 / Double-click
 Exit	Alt+F4

Key assignments

General

General key assignments

Key	Function
0-9	Station selection
M / * (NUM)	Mute
+ / -	Volume up/down
CTRL + X	Closes the TV window (not the application)
CTRL + I	Displays signal information
CTRL + V	Opens the Record folder
CTRL + O	Forces optimal size for TV window
CTRL + P	Opens the Screenshot folder
CTRL + C	Opens the Cut! application
▲ / ▼	Next / previous station (must be confirmed with Enter)
F2	Sets a marker
F5	Displays the timer
F6/F	Full-screen mode☺

TV/Radio

TV key assignments

Key	Function
Enter	Selects a station.
▲ / ▼	Navigation within the station list (see above).
I	Displays/hides the information bar.
F10/<	Changes the aspect ratio (4:3/16:9/zoom).
Z	Zaps between the previous station and the current one. In picture-in-picture (PiP) mode, toggles between the current programs.
P	Screenshot of TV picture.
A	Switches audio tracks.
B	Switches to the next subtitle track (if available).
Shift + E	Opens the EPG search.
CTRL + ALT + P	Starts or stops picture-in-picture (PiP) playback.
CTRL + 1 - 9	Changes the position of the picture-in-picture (PiP) picture. ☺

Teletext

Teletext key assignments

Key	Function
T	Displays/hides teletext
Pos. 1 / Home	Selects the teletext home page (page 100).
▲	Page number + 1
▼	Page number – 1
▶	Next subpage
◀	Previous subpage
Backspace	Back to the previously viewed page
Shift + Backspace	Forward to next viewed page
F5	Soft key: red
F6	Soft key: green
F7	Soft key: yellow
F8	Soft key: blue
0-9	Page entry
P	Screenshot of teletext
CTRL + T	Teletext in separate window









OSD

OSD key assignments

Key	Function
E	EPG on/off
I	Program information on/off
O	Shows/hides OSD
S	Opens/closes scheduler (timer)
F5	Soft key: red
F6	Soft key: green
F7	Soft key: yellow
F8	Soft key: blue
PgUp	One page up in OSD lists
PgDn	One page down in OSD lists
▲ / ▼	Navigation in OSD lists
◀ / ▶	Previous/next day in EPG lists
Esc	Closes the OSD
Backspace	Moves cursor back one place when entering information, e.g. timer settings

Navigation functions

Navigation function key assignments

	Key
	Space
	X
	PAUSE
	R
	L
	N
	Shift + L
	Shift + N

Annex

Setting up the antenna

TerraTec Home Cinema can display the quality and current strength of the signal. This is especially useful if your video and audio reception is choppy, making it necessary to adjust the antenna.

Press **CTRL+I** to open an OSD information window showing the current signal strength and quality. The quality of the signal is decisive in this case.

Press the green button to enable beeping sounds, which can assist you with positioning the antenna. There are four different settings: signal strength, signal quality, packets and off. The more frequent the beeps are, the better the corresponding signal is.



Positioning a terrestrial antenna

Under most circumstances you will be using a rod antenna or roof antenna. You may also use an active antenna, provided it draws its power from a separate power supply. Unfortunately, a rod antenna is often not sufficient to receive digital TV signals. It is therefore frequently necessary to use a roof antenna or an active antenna, especially at the edges of coverage areas.

In case you can't find stations or the picture appears fragmented, start by changing the location of your antenna. If the situation does not improve, you may need to use an active antenna instead. It is generally helpful to keep experimenting, as minimal changes in the position of the antenna can have a major effect on reception quality.

Antenna location:

Avoid setting the antenna up near sources of electromagnetic radiation. These include computers, TVs, microwave ovens and similar devices. Avoid the proximity of steel or reinforcing rods. Position the antenna near a window and as high as possible.



To enhance the performance of a rod antenna with a magnetic foot, attach it to a metallic surface.

Glossary

AAC	Advanced Audio Coding is an audio compression format that was specified as a further development of the MPEG-2 standard.
AC-3	This is a designation for a multichannel audio system better known as Dolby Digital. AC-3 stands for Audio Codec 3, the compression method used.
Bitrate	The bitrate is the volume of data transferred in a given interval. A low audio or video bitrate will result in low quality. High bitrates, on the other hand, require more storage space for recordings.
Codec	A codec is a program that digitally encodes or decodes data or signals. All codecs have specific advantages and disadvantages which must be taken into account when choosing one for a specific purpose.
Device ID	A device ID is a unique identifier for a piece of hardware.
DiSEqC	Digital Satellite Equipment Control refers to a data communications technology used between satellite receivers and switches or satellite dishes. It is used to send control commands to the satellite dish when selecting a different satellite.
Dolby Digital	This is the designation for a multichannel audio standard used in movie theatres, DVDs and TV. The audio tracks are sent as data packets together with the video data.
DVB	DVB stands for Digital Video Broadcast, a new digital TV format. DVB provides better audio and video quality than the traditional analogue TV standard.
DVB-T	DVB-T is the digital video standard for terrestrial broadcasting. (Terrestrial)
DVB-S	DVB-S is the digital video standard for satellite broadcasting. (satellite)
DVB-C	DVB-C is the digital video standard for cable broadcasting. (Cable)
EPG	EPG is the electronic program guide transmitted together with DVB signals. EPG provides program listings and supports convenient programming of recordings.
H.264/AVC	Advanced Video Coding is a video codec also known as MPEG 4 Part 10. It provides better quality at higher compression rates (smaller files). It requires greater processor performance when decoding, however.

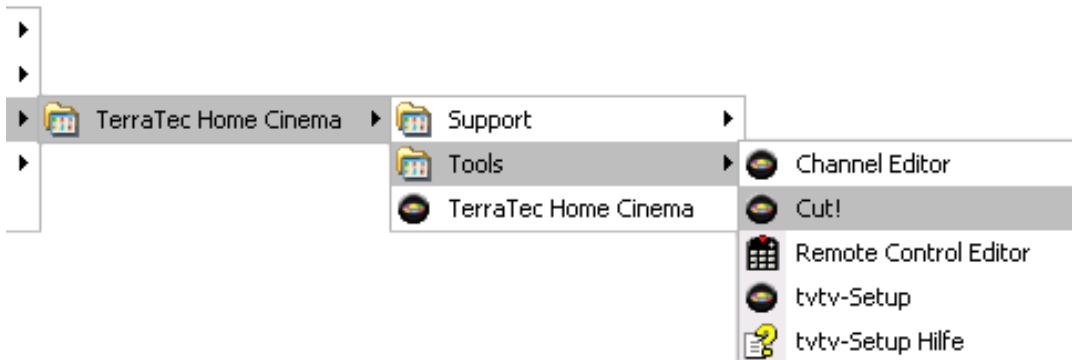
HDTV	High-definition television. The higher resolution results in better picture quality.
MPEG	The Moving Picture Experts Group (MPEG) is responsible for the standardisation of audio and video compression, as well as related areas such as container formats. A variety of formats are available that can serve as recording formats with the appropriate codec. MPEG-1/2 are common formats, as is MPEG-4 (DivX is based on MPEG-4, for example). The differences mainly lie in the quality and size of the output file.
OSD	OSD stands for on-screen display, a menu which is superimposed on the TV picture. OSDs are a convenient configuration option.
Skin	A skin is a customisable user interface layout that can be applied to an application.
Symbol rate	The symbol rate (or baud rate) is the number of steps per second, i.e. the number of times per second the signal changes. The symbol rate must be known to the receiver to ensure a correct data transfer.
Timeshift	Timeshift is a function that caches the TV signal, permitting live TV to be paused and resumed at a later time.
Transponder	A transponder is a transmission medium on which multiple stations are transmitted to the receiver. The number of stations on a transponder can vary depending on the available bandwidth and utilisation.
TS	TS stands for transport stream. DVB is broadcast as a transport stream containing all of the information transmitted by the station.
VMR-7 or VMR-9	Video Mixing Renderer 7 or 9 are Windows display components optimised for DirectX.

Editing recordings using Cut!



Cut! is an editing tool that lets you remove unnecessary ballast from your video recordings. The files are not re-encoded, but simply cut to avoid quality losses.

Cut! can be found in the TerraTec Home Cinema program folder. For a detailed description of Cut!, please see the program itself.



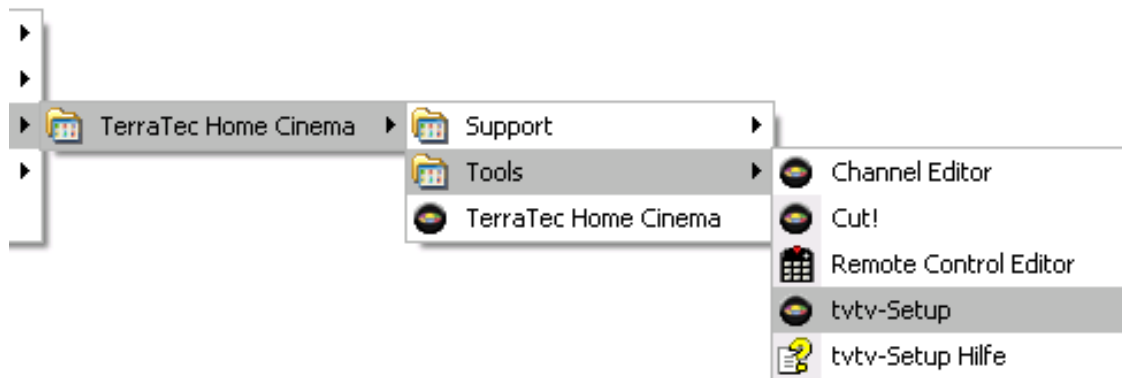
tvvtv

tvvtv is available in the following countries:

Germany	<u>www.tvvtv.de</u>
France	<u>www.tvvtv.fr</u>
United Kingdom	<u>www.tvvtv.co.uk</u>
Italy	<u>www.tvvtv.it</u>
Netherlands	<u>www.tvvtv.nl</u>
Austria	<u>www.tvvtv.at</u>
Switzerland	<u>www.tvvtv.ch</u>
Spain	<u>www.tvvtv.es</u>

An account is required in order to use tvvtv. If you did not create a tvvtv account during installation, you may also do so at a later time.

To create an account, open the "tvvtv Setup" application from the Programs menu on your computer:



tvvtv Setup will guide you through the configuration of your account.

The Boss key

The Boss key is a well-hidden but vital function—especially for major football games—that lurks in the background, ready to do your bidding at moment's notice.

Suppose you're sitting in the office watching an exciting game, when suddenly the boss walks in?



We should know—after all, we don't want our boss to catch us watching TV, either!

Press **Ctrl+Alt+B**! The entire application is immediately minimised, the sound muted and the timeshift function activated. When the coast is clear, press the Boss key again to restore the application and continue watching where you left off. The perfect feature to brighten a boring day at the office!

Power options—standby, hibernate

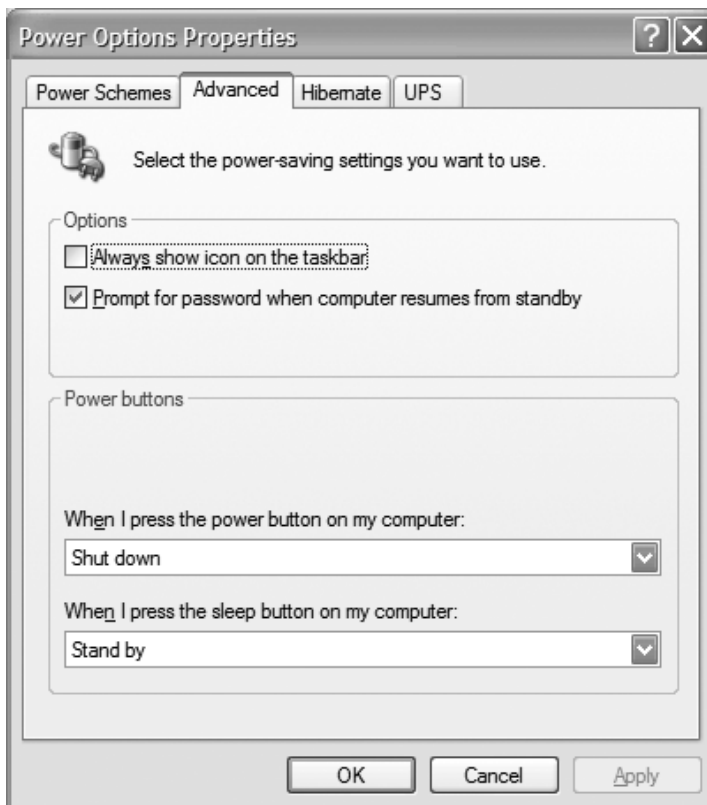
Windows lets you save energy by putting your PC into standby mode or hibernation. THC can still perform programmed recordings even when your PC is in a power-saving mode.

We recommend hibernation mode, as it uses the least power. Although Windows reloads more quickly from standby mode, the computer's RAM remains powered up in standby.



Ensure that Windows does not prompt for a password when waking up, as that would interfere with recording.

To open the Power Options applet, click **Start**, point to **Settings**, click **Control Panel** and double-click **Power Options**. Click the **Advanced** tab.



Untick the "Prompt for password when computer resumes from standby" option, if available.

More information on power options, see the Windows XP "Help and Support Centre".

Questions and Answers

Question: Why aren't programmed recordings being added to the timer list of TerraTec Home Cinema, even though my tvtv account is activated?

Answer: Check whether the automatic job query option is set to "Manual update only", and change it to suit your preferences.

Question: I have not programmed any recordings to start while the computer is in standby or hibernation mode. Why does the system still wake up?

Answer: The computer not only wakes up from standby or hibernation to record programs, but also for automatic job queries configured in the tvtv options.

Question: Why is the "Jobs" button in the tvtv options greyed out and disabled?

Answer: Please note that the tvtv and TerraTec Home Cinema station tables must be matched prior to job queries. For further information, see tvvtv configuration.

Question: I have several TV tuners in my system. Can I set up TerraTec Home Cinema to use a specific one?

Answer: You can set up TerraTec Home Cinema not to use a certain TV tuner. For further information, see Options.

Link-O-Rama

The following is a number of interesting links to programs that can simplify your day-to-day handling of TV programs and recorded material.

<u>DivX</u>	A popular MPEG-4 codec http://www.divx.com/
<u>Dr. DivX</u>	A tool that converts your recordings into DivX format
<u>Xvid</u>	An open-source equivalent of the DivX codec
<u>Project X</u>	An editing tool for your recordings (demultiplexer) http://sourceforge.net/projects/project-x
<u>Cuttermaran</u>	An editing tool especially for DVB recordings.
<u>PVAStumento</u>	A further editing tool for your recordings. (demultiplexer)
<u>http://www.lyngsat.com</u>	Visit this site for current digital satellite TV station lists.
<u>http://www.videolan.org</u>	VLC, a popular open source media player, can be found here.

The following table contains links to vendors of MPEG-2 video and audio decoders:

<http://www.mainconcept.de>

<http://www.gocyberlink.com>

<http://www.intervideo.com>

<http://www.nvidia.com>