

# PCTV Systems TVCenter

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GB / USA

**PCTV Systems TVCenter**  
**User's Guide**  
**GB / US    May 2013**

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# TVCenter - Overview

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With the new TVCenter you can watch, depending on your PCTV device, digital and analog TV on your PC monitor. Your TV viewing fun has been enhanced with numerous additional features.

Thanks to instant or scheduled recordings to your hard disk and the timeshift function, you can watch TV flexibly. This way you will not miss a minute of your favorite TV shows.

Quick-to-open Teletext provides you with the latest news any time you want. The Electronic Program Guide (EPG) also guarantees you an overview of the TV schedule as well as quick and uncomplicated recording programming.

You also have the option, depending on your PCTV device, to listen to DVB radio or FM radio any time you want. By offering you the possibility to timeshift or to instantly record a program, you will not miss a minute of your favorite radio show.

All recordings (TV and radio) and taken snapshots can be found in the TVCenter Gallery. One click on the thumbnail of the desired file and it will be played back. In the TVCenter Gallery, a background transcoding engine was integrated. This allows you to convert the TV programs recorded in native video format into various different formats like DivX or iPod formats.

The different TVCenter applications make the usage of the software even more flexible. You can simultaneously, for example listen to radio and use the TVCenter Gallery to convert a recording into a different format.

The following TVCenter applications are available:

[TVCenter](#) - this chapter offers you an overview of the TV watching application

[TVCenter Gallery](#) - in this chapter you will find out how to play back and/or convert recordings

[TVCenter Radio](#) - this chapter offers you an overview of the radio listening application

[TVCenter Settings](#) - in this chapter you will find an overview of all available settings option

[TVCenter Wizard](#) - in this chapter you will find out how to configure your PCTV device and run a channel scan

After installation, depending on your operating system you can access any of these stand-alone applications either via the Windows Start menu (***Start > Programs > PCTV Systems***) or the Windows Start screen.

# TVCenter Wizard

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The TVCenter - Wizard is the software component that helps you to easily configure all necessary hardware settings for an optimum TV experience.

The TVCenter Wizard

- opens automatically after TVCenter has been installed and helps you to configure your PCTV System device and run the first channel scan.
- can be opened any time via the Windows Start menu  
**Start > Programs > PCTV Systems > TVCenter Wizard** or Windows Start screen to configure a new PCTV device or run a channel scan.

Please note that only a correct configuration of your PCTV device and an accurate channel scan guarantee an optimum TV experience.

Simply complete the four steps of the TVCenter Wizard and then enjoy TV on your PC.



## Step 1 - Start



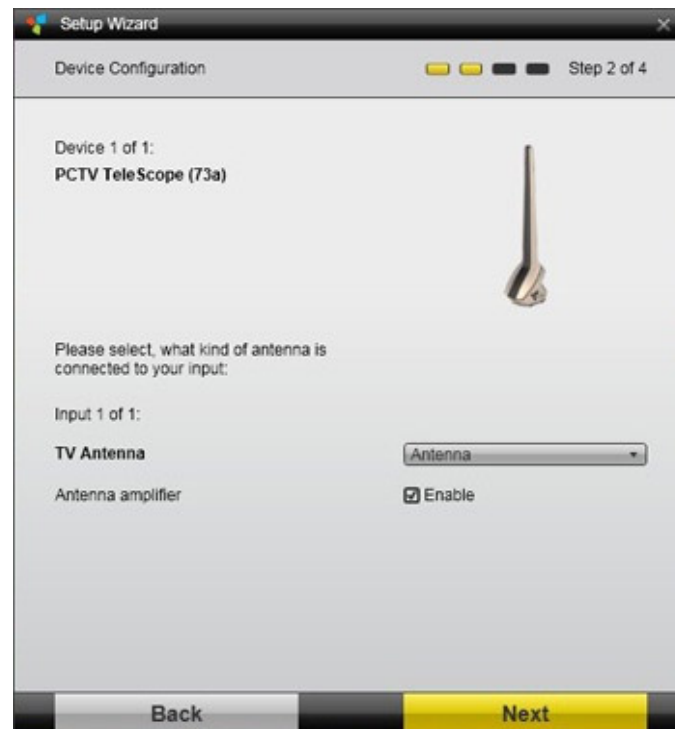
In this step, you can:

- select the **Language** of the software user interface from the **Language** dropdown-menu.
- select the country where you are located in from the **Location** dropdown-menu.

Only by selecting the correct location, the channel scan will be accurate.

Click on the **Next** button to go to the next step.

## Step 2 - Device Configuration



During this step you can select the TV signal source connected to your PCTV System device.

The TVCenter Wizard automatically recognizes any PCTV System device connected to your PC and lets you configure it.

If more than one PCTV Systems devices are connected to your PC their number will be displayed in the Wizard-window (e.g. *Device 1 of 2*).  
If one of the connected devices is equipped with a multi tuner, this fact will also be displayed in the Wizard-window as well (e.g. *Input 1 of 2*).

- From the **Input** section select the corresponding option for the displayed device.  
Following device-dependent options are available in the dropdown-menu:
  - No Antenna** - if you choose this option TVCenter will not perform a channel scan.
  - Antenna** - the TV signal received from the delivered rod antenna or your roof-top antenna
  - Cable** - the TV signal received from your cable provider
  - Aerial System** - chose this option if in the building you live a Master Antenna Television System (MATV) is available.

**Preset SAT Antenna** - depending on your location the TV signal of a preset satellite. This setting will most likely match the satellite that distributes the TV channels received at the chosen location

**Satellite Dish** – select this option to manually configure the satellites according to your satellite system.

- Enable the **Antenna Amplifier** if available.  
This option is helpful if you live in a region where the TV-signal strength is rather poor.

Make sure not to check this option if you use a PCTV Systems hardware for DVB-C reception.

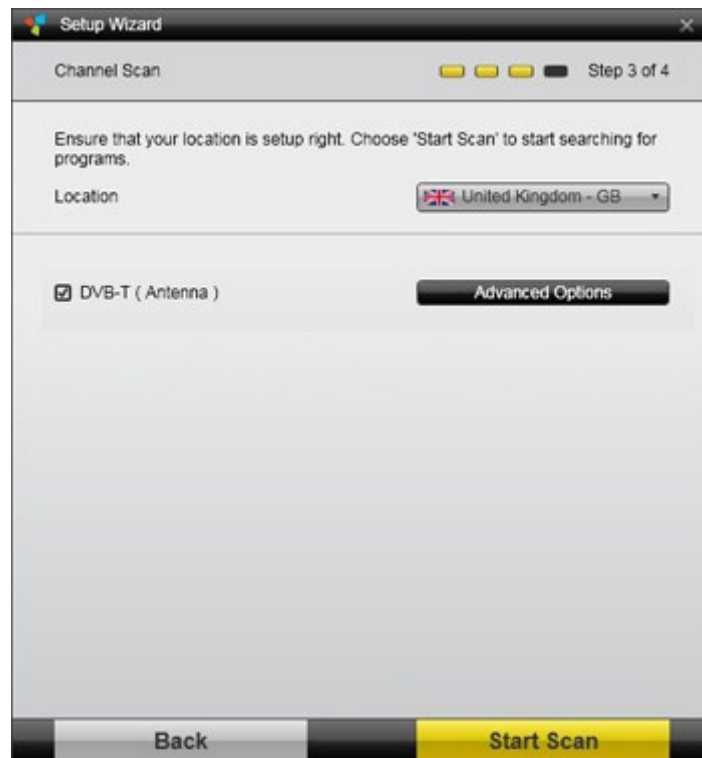
- Click on the **Next** button to go to the next step.

Note that depending on the number of the connected PCTV Systems devices and the number of the available tuners for a device, clicking the **Next** button will first lead you through additional configuration steps.

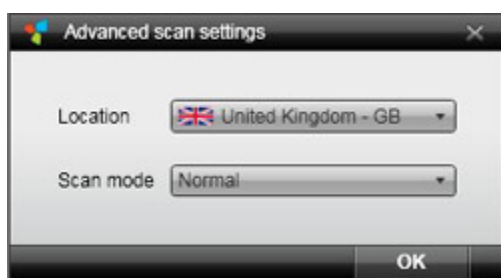
If the PCTV System device you configured is equipped with a multi tuner (e.g. *Input 1 of 2*), clicking on the **Next** button will allow you to configure the other TV tuner first.

If on your system different PCTV Systems devices are installed (e.g. *Device 1 of 2*) clicking on the **Next** button will lead you first through the configuration of the other device.

## Step 3 - Channel Scan



- From the **Location** dropdown-menu chose the correct country.
- Select the TV tuner (signal source) you will run the channel scan for.
- Click on the **Advanced Options** button to open the **Advances scan settings** window and change the scan method. This might improve the result of the channel scan.

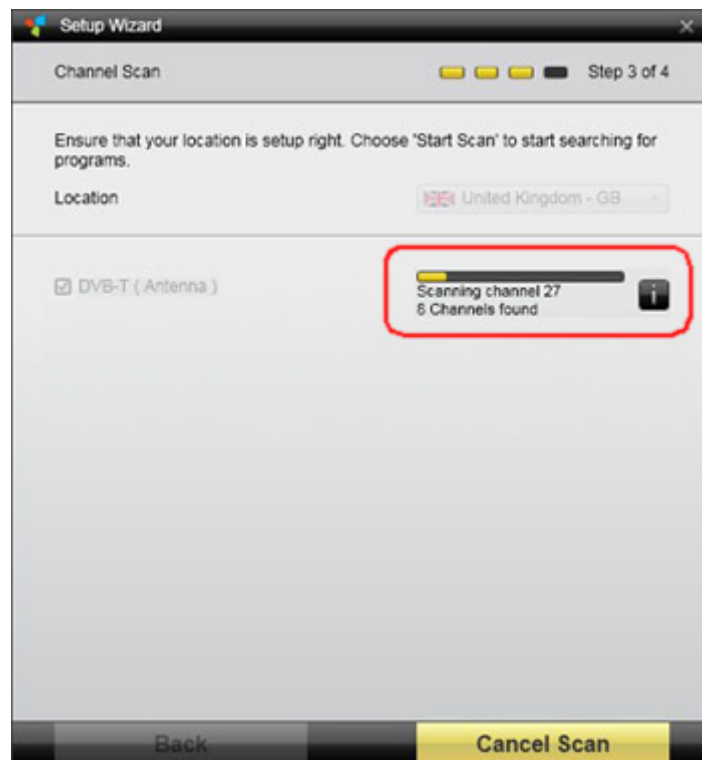



- From the **Scan mode** dropdown-menu select the desired option. Following options are available: **Quick**, **Normal** and **Best Quality**.

Note that the duration of the channel scan depends on the selected scan method and the number of signal sources that have to be scanned.

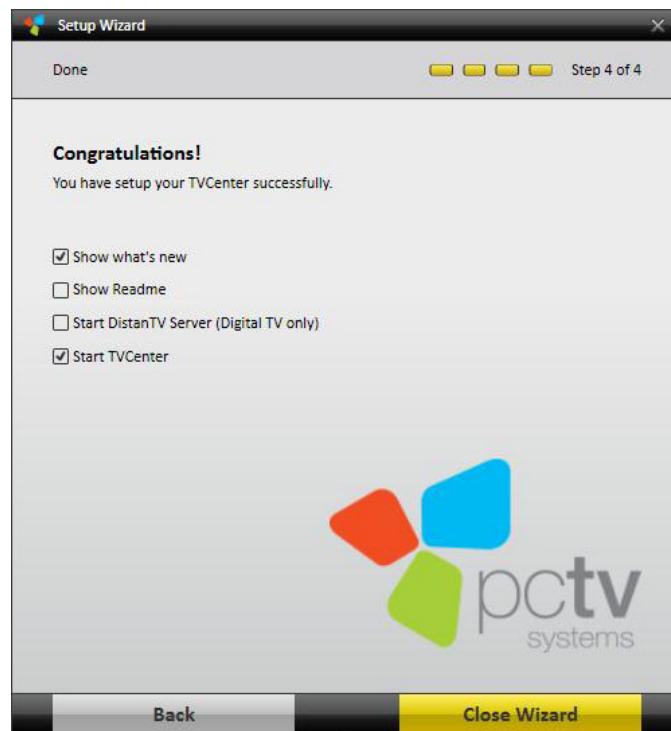
- Click the **Start Scan** button to start the channel scan.

- The progress of the channel scan is displayed in the progress bar.



- If available, click on the **Information**  button to see the TV channels already found and the reception quality of the respective channel.

## Step 4 - Done



You have successfully configured your PCTV System device(s) and ran the first channel scan.

Before closing the Wizard you can choose:

- to see what's new in this version of the software
- to open the Readme file
- to start the DistanTV Server
- to launch the TVCenter application

# TVCenter

---

The TVCenter is the core application of PCTV Systems' TVCenter software and is designed for viewing TV on your PC screen.

Please note that using a PCTV Systems hardware you cannot watch the encrypted/scrambled TV-channels.

In the following chapters, the topics listed below will be described in detail.

[Open TVCenter](#)

[The TVCenter user interface](#)

[Change the TV channel](#)

[Watch the signal from the external AV-input \(hardware dependent\)](#)

[Favorite TV channel lists](#)

[Timeshift](#)

[Use Teletext](#)

[Use EPG](#)

[Record a program](#)

[Change the audio track](#)



[Select subtitles](#)

## Open TVCenter

There are various ways to start TVCenter:

1. Double-click the **TVCenter icon** on the desktop.
2. Click the **TVCenter icon** in the quick launch bar.

Please note that under Windows XP and Windows Vista shortcuts on the desktop and in the quick launch bar are optional.

3. Depending on the installed operating system, go either to the Windows Start menu **Start > Programs > PCTV Systems > TVCenter** or the Windows Start screen.
4. While using another TVCenter application (Radio, Settings or Gallery) open the Master Control menu by hovering over the  button in the top control bar and then click on the **Show TV**  button.
5. While using another TVCenter application (Radio, Settings or Gallery) hit the F5 key of your keyboard.

The application starts and the channel you were last watching is displayed.

Note that the first time you open TVCenter after connecting a **Broadway** to the same network your PC is also connected to, you will be asked to allow running the **Virtual Tuner Install**.

Please do so if you want to use your **Broadway** with TVCenter.

For detailed information please refer to the respective FAQ topic on:

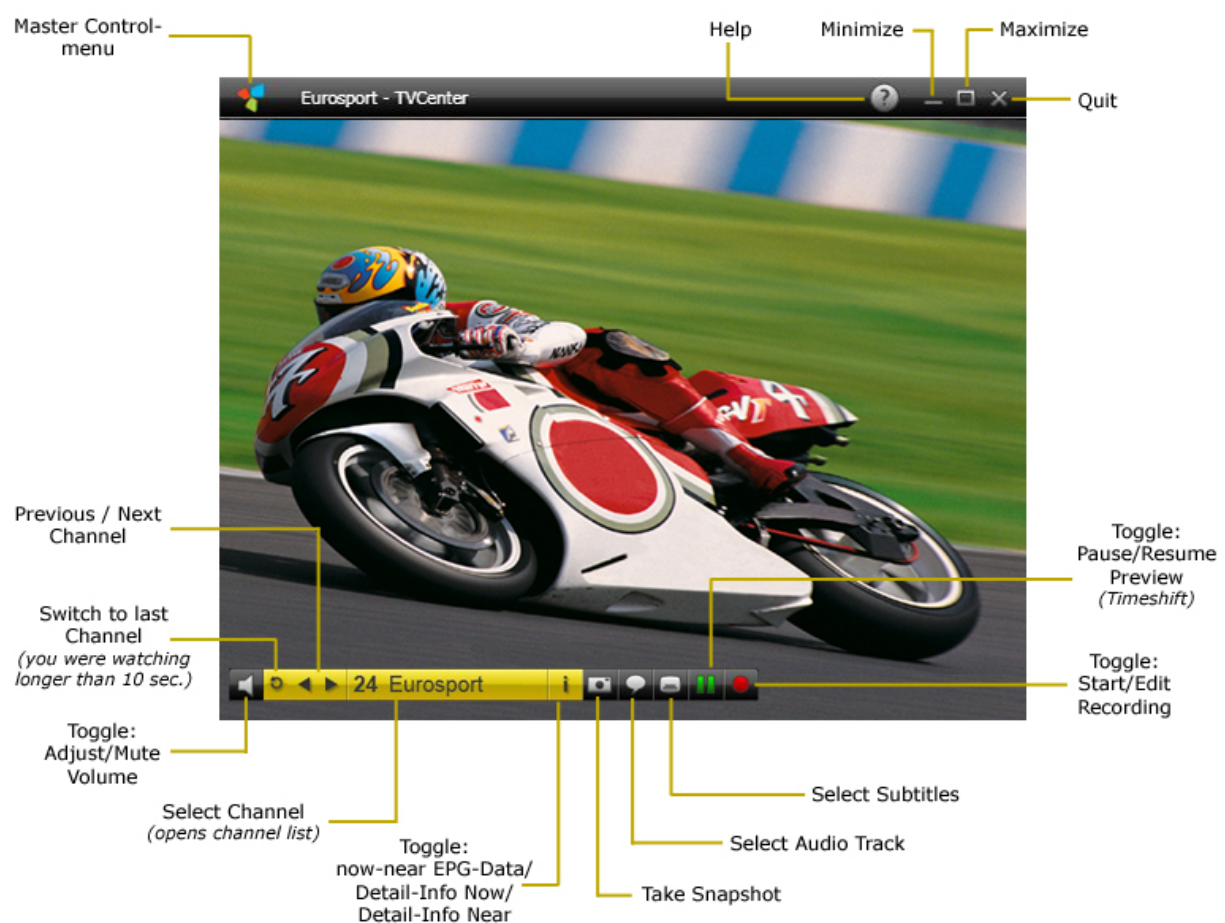
[www.pctvsystems.com/support](http://www.pctvsystems.com/support).



## TVCenter – the user interface

In the image below you can see how the user interface looks like and get an overview of the available functions.


Note that the aspect ratio of the TVCenter window is set by default to automatic. You can change this setting in the *TVCenter Settings* application under *TV watching > Display > Window Aspect Ratio*



Following, you will find a detailed description of the most important functions.


## The top control bar functions



A very important button of the top control bar is the **Master Control menu** button. Hovering over the  button opens the Master Control menu.

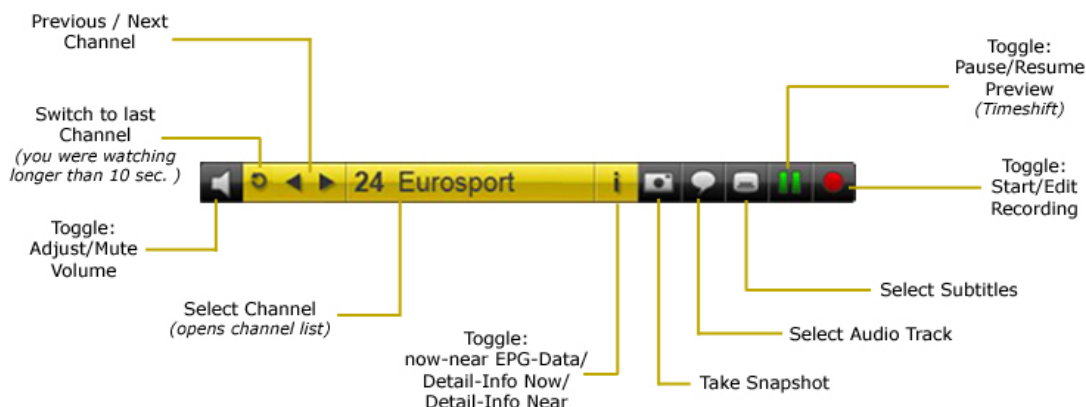
This is how the Master Control menu looks like and the available functions:



If multiple tuners are available, the Master Control menu contains more than one **Show TV**  icons.

In this case you can open as many separate TV-preview windows as **Show TV** icons are available in the **Master Control** menu.

## The bottom control bar functions



The bottom control bar offers you the possibility to change channels, pause or resume the preview (timeshift), adjust the volume or start recording.

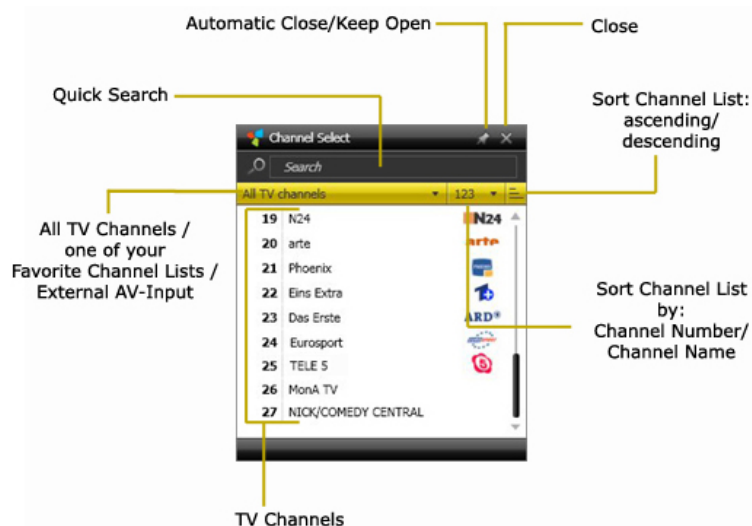
**If available**, you can also select subtitles, swap over the audio track or watch the video signal streamed over the AV-Input of your hardware.

The bottom control bar is hidden automatically after a few seconds. To display the control bar again, move the mouse over the TVCenter window.

In the **TVCenter Settings** application under: **TV watching > Display > Controller Display Time** you can set how long the bottom control bar is displayed.


Another important control element which opens via the bottom control bar is the **Channel Select** window. The main function of the **Channel Select** window is changing the channels but if your hardware offer an AV-input via this window you can choose to watch the video signal streamed by the connected analog device.

In the image below you can see the available functions.



Please note that the bottom control bar contains several *toggle-buttons*. A toggle-button has two or more different functions and you can switch between them by clicking on the button.

Following you will find all toggle-buttons and their functions:

 **1<sup>st</sup> click** - displays, if available, the title of the show running now and the title of the next show (near)

**2<sup>nd</sup> click** - displays a detailed description of the running show (if available)

**3<sup>rd</sup> click** - displays a detailed description of the next show (if available)

**4<sup>th</sup> click** - the mini EPG data are being hidden




**1<sup>st</sup> click** - starts recording the program you are watching

**2<sup>nd</sup> click** - opens the **Recording Tasks** window and offers you the possibility to edit the settings of the running recording



**1<sup>st</sup> click** - pauses the TV viewing and starts the timeshift mode.


Note that the appearance of the button changes to 

**2<sup>nd</sup> click** - resumes TV viewing



Hovering over the button opens the **Adjust Volume** bar.

**1<sup>st</sup> click** - mutes the volume

Note that the appearance of the button changes to 

**2<sup>nd</sup> click** - unmutes the volume



**1<sup>st</sup> click** - opens a list with all available audio tracks

**2<sup>nd</sup> click** - select from the list the desired audio track

Note that not every TV channel offers multiple audio tracks.



**1<sup>st</sup> click** - opens a list with all available subtitles

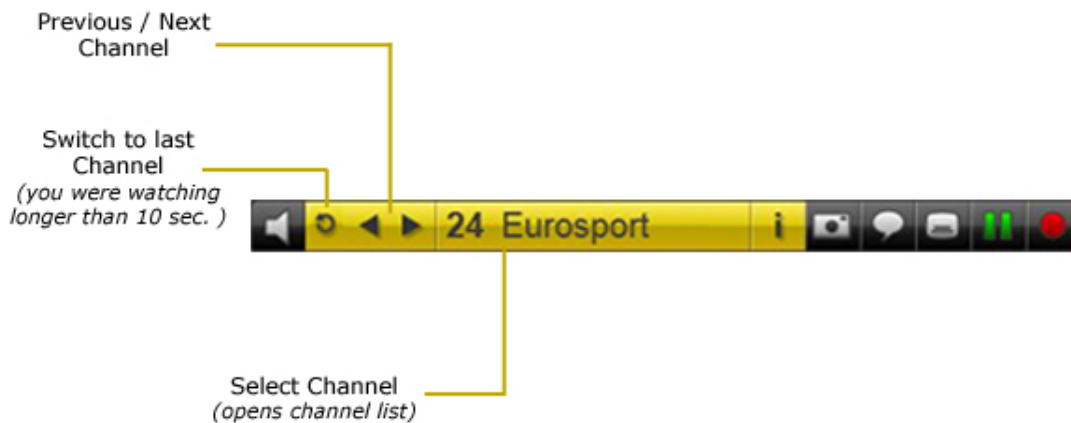
**2<sup>nd</sup> click** - select from the list the desired subtitle

Note that not every TV channel offers subtitles.

## Change the TV channel

There are various ways to change the TV channels.

In the bottom control bar following options are available:



Please note that while watching TV the bottom control bar is hidden automatically after a few seconds. To display the control bar again, move the mouse over the TVCenter window.

### 1. Previous / Next Channel

Click on the **Previous Channel** ◀▶ **Next Channel** button, to switch to the next or previous channel in the channel list.

### 2. Switch to last Channel

Click the **Switch to last Channel** ↺ button to switch to the last channel you were watching for longer than 10 seconds.

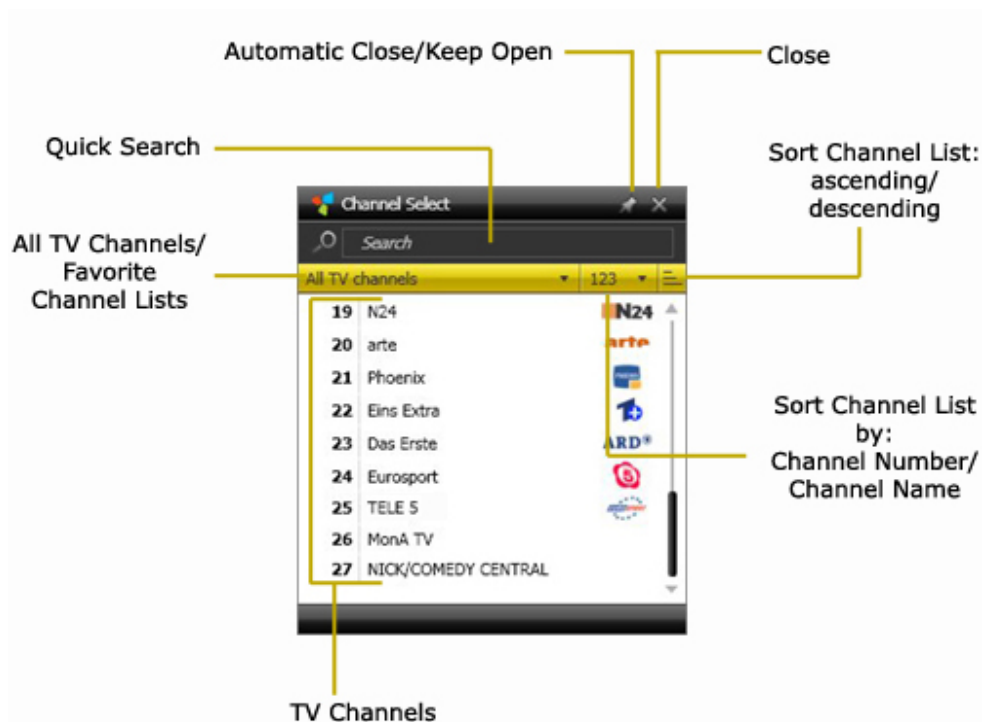
### 3. Select Channel

To change the TV channel proceed as follows:

- In the bottom control bar click on the **Select Channel** button.





- The **Channel Select** Window opens.



- From the **Channel List** drop-down menu select which TV channels will be displayed. You can choose to see all TV channels or just the TV channels associated to one of your [favorite TV channel lists](#).

For further information regarding the external AV-input refer to the chapter: [Watch the signal of the connected AV-source](#).

- Sort the TV channels in the list using one of the available sorting possibilities:  
 from this dropdown-menu select to sort the channel list by channel number or channel name.

 click on this button to sort the displayed channels in the list either ascending or descending.

Alternatively you can use the **Quick Search** field to search for channels. In the channel list, only the channels matching your search criteria will be displayed.

- Click on one channel in the list to switch to its program.

**4. Use the delivered remote control**

For further details refer to the Remote Control manual at:

***Start > Programs > PCTV Systems > TVCenter > Documentation***

**5. Use your keyboard**

Either enter the channel number from the numeric pad of your keyboard or use the cursor keys (up/down; left/right) to change the channel.

For more details refer to the chapter [TVCenter – operating shortcuts](#).

## Watch the signal of the connected AV-source

This option is hardware dependent and is available only if the used hardware offers the possibility to connect an external AV-source.

Also note you cannot watch TV and the signal of the connected external AV-source at the same time.

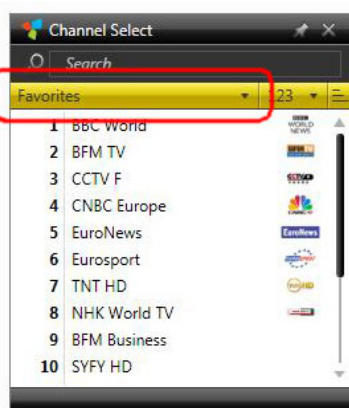
To watch the signal from the connected device proceed as follows:

- In the bottom control bar click on the **Select Channel** button.

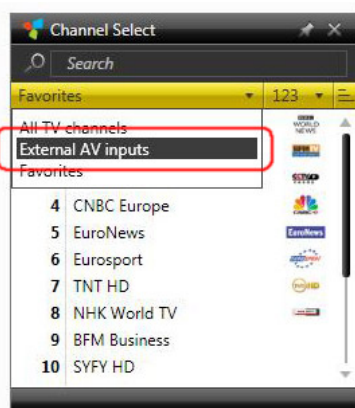


The **Channel Select** Window opens.

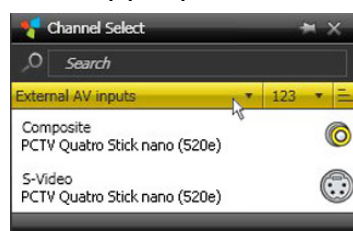
- In the **Channel Select** window click on the **Channel List** dropdown menu.



- Select the option **External AV inputs**.



- Select the appropriate video input.




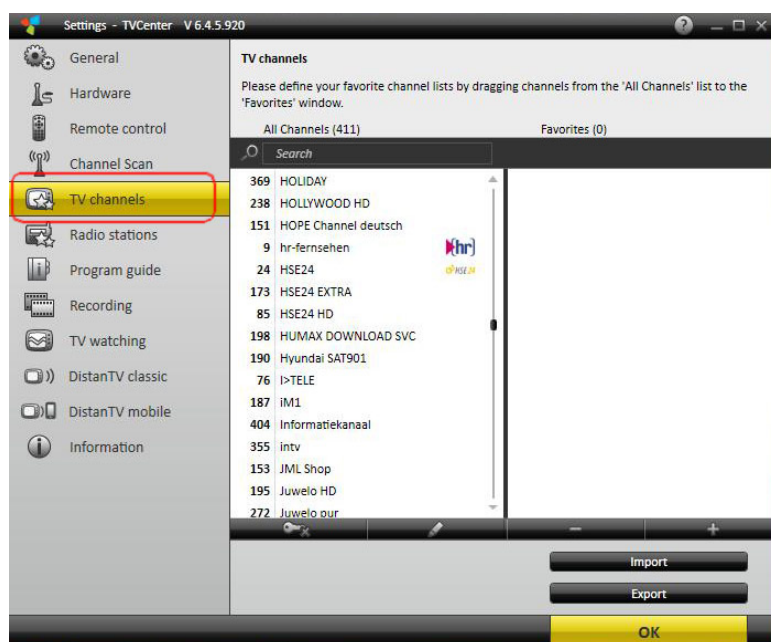



## Favorite TV channel lists

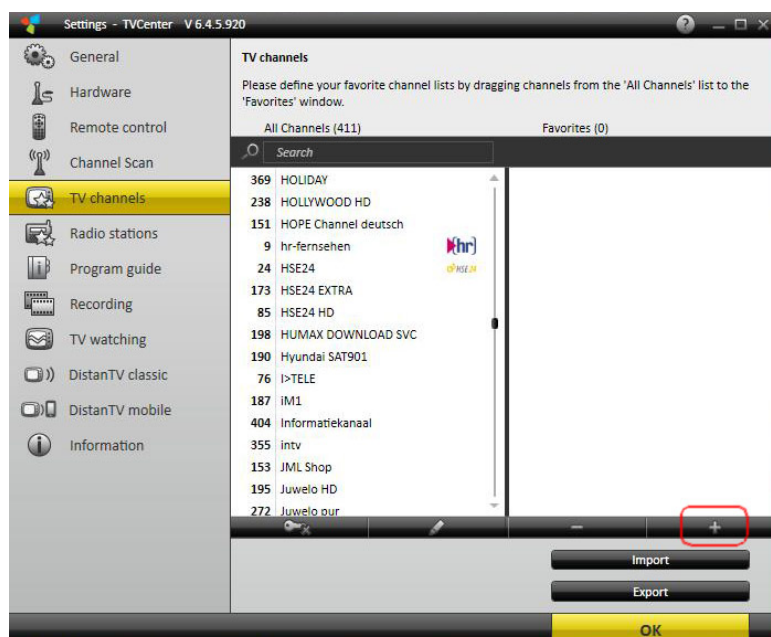
### Create a favorite TV channel list

To create a favorite TV channel list proceed as follows:

- Open TVCenter Settings either by:
  - clicking on the **Show Settings**  button in the **Master Control** menu or hitting the **F10** key on your keyboard.
- In the navigation pane of the TVCenter Settings window click on **TV channels**.



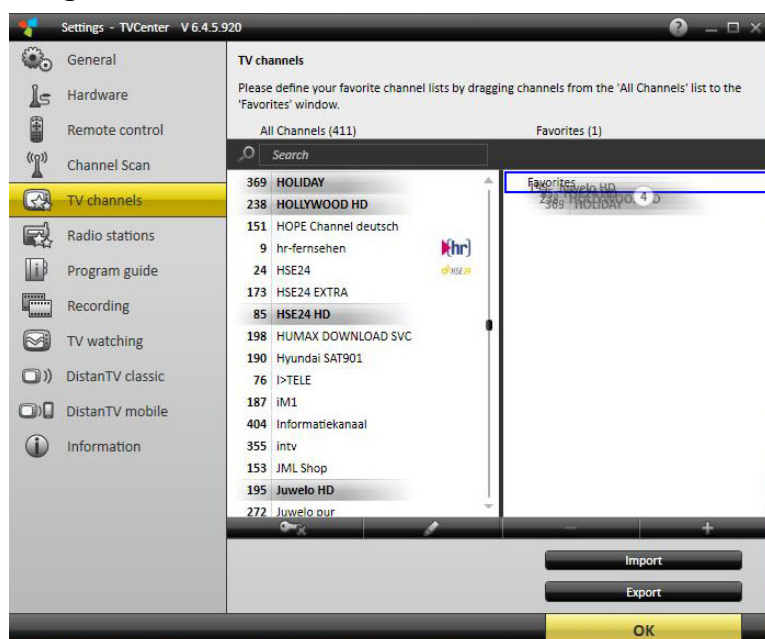
- In the TV channels pane of the TVCenter Settings window click on the **Create a new favorite list**  button.



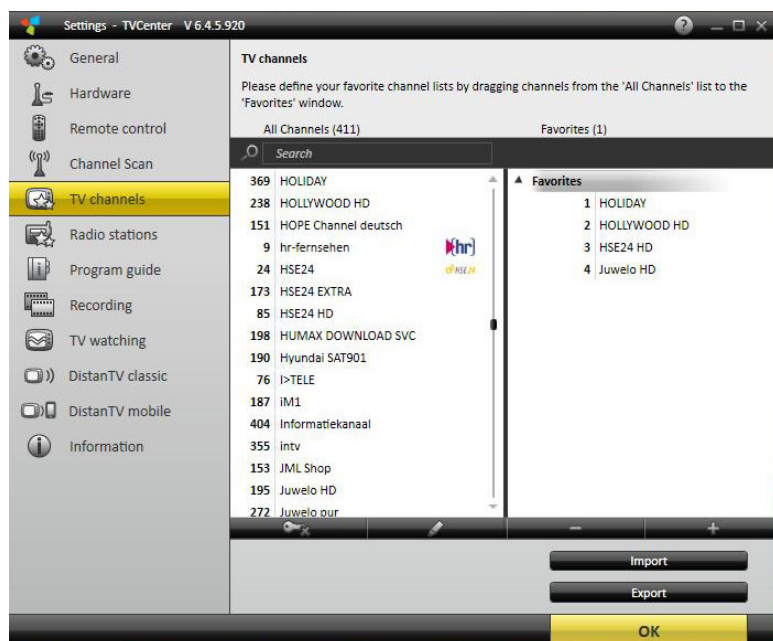
- In the **Favorites** area of the TV channels pane a new favorite list is created. Enter the name of the list.
- From the **All Channels** area select the TV channels you want to organize in the newly created favorite list.

To select more than one TV channel hold down the Ctrl-key on our keyboard while selecting the channels.  
Use the Search field to retrieve your favorite TV channels faster.

- Drag the selected TV channels to the created favorite list.




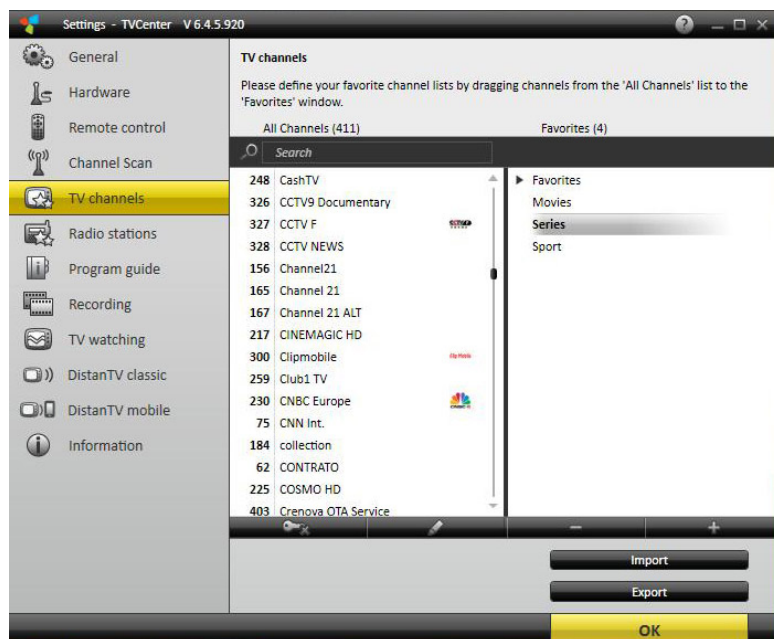
- The selected TV channels are now also listed in the favorite TV channel list



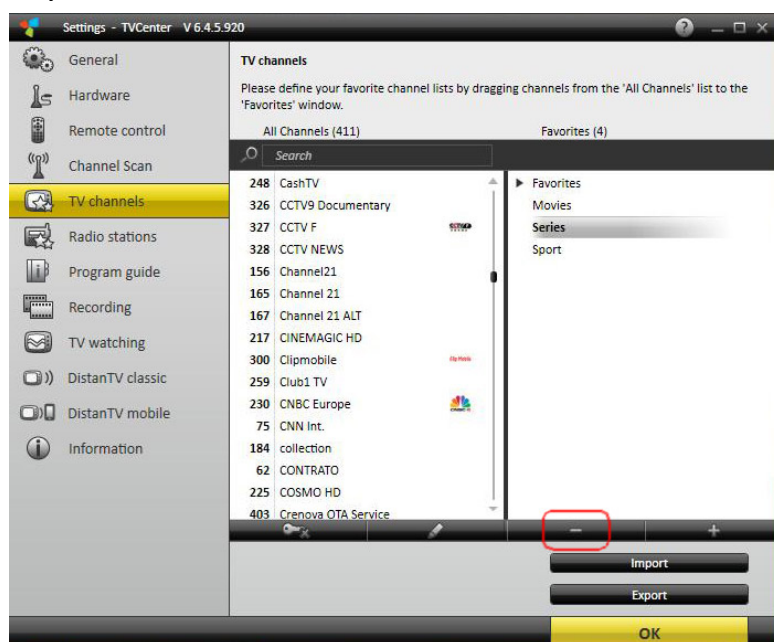
## Delete a favorite TV channel list

To delete a favorite TV channel list proceed as follows:

- Open TVCenter Settings either by:
  - clicking on the **Show Settings**  button in the **Master Control** menu or hitting the **F10** key on your keyboard.
- In the navigation pane of the TVCenter Settings window click on **TV channels**.
- From the **Favorites** area select the list you want to delete.




- Click on the **Delete selected favorite list**  or hit the Del-key on your keyboard.



## Timeshift (pause/resume live-TV preview)

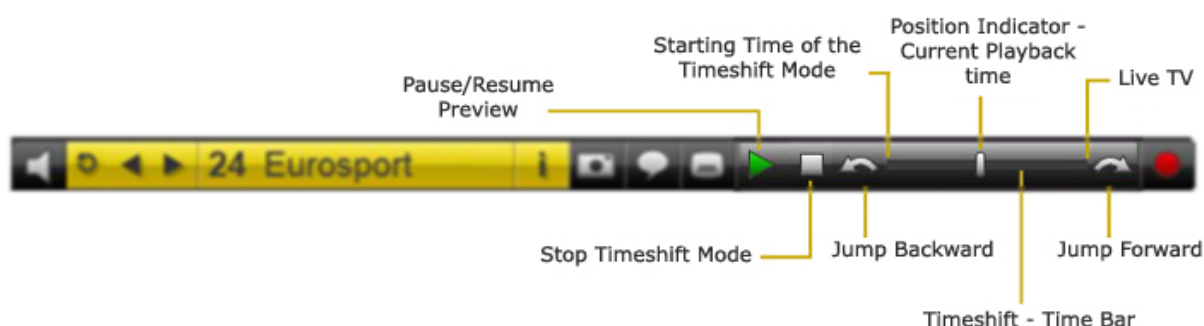
Timeshift, also known as time-delayed television, is a function that allows you to pause the TV program and play it back any time. During the pausing time, the live TV program is temporary being recorded on your computer. This means that unexpected interruptions cannot cause you to miss a second of the current TV show.

Please note that the timeshift files are only temporary stored on your PC. You cannot save and use these files. After ending the timeshift mode or changing the channel, the timeshift file will be automatically deleted.

Click the **Pause/Resume**  button in the bottom control bar to pause the live TV and start the timeshift mode.

Please note that while watching TV the bottom control bar is hidden automatically after a few seconds. To display the control bar again, move the mouse over the TVCenter window.

During timeshift mode, additional controls are available in the bottom control bar.





Click the **Pause/Resume Preview**  button to start playing back the timeshift file.

If you click this button during the playback of the timeshift file, the playback will be paused. Click the button again to resume the playback.

The **Timeshift time bar** allows you to jump to any position within the timeshift file. To do this choose one of these possibilities:

- simply click with the mouse on the time bar at the desired position
- slide the playback position indicator to the desired position within the file.

You can switch to the live TV program at any time by pulling the position indicator to the right-hand end of the bar. In this case, the program continues to be recorded in the timeshift file.



Use the  **Jump backward / Jump forward**  buttons to jump a pre-defined time interval in the timeshift file. By default, this time interval is 10 seconds for jumping backward and 1 minute for jumping forward. You can change it in the **TVCenter Settings** application under **Recording > Timeshift > Skip times**.

Clicking the **Stop Timeshift Mode**  button ends the timeshift mode and switches back to live TV.

Please note that if you decide to end the Timeshift mode or to change the TV channel the timeshift file temporarily stored on your computer will be automatically deleted.

## Use Teletext

You have two possibilities to open the Teletext window:

1. while TVCenter is running hit the **F6** key of your keyboard
2. open the Master Control menu in the top control bar by hovering over the  button and click on the **Show Teletext**  button

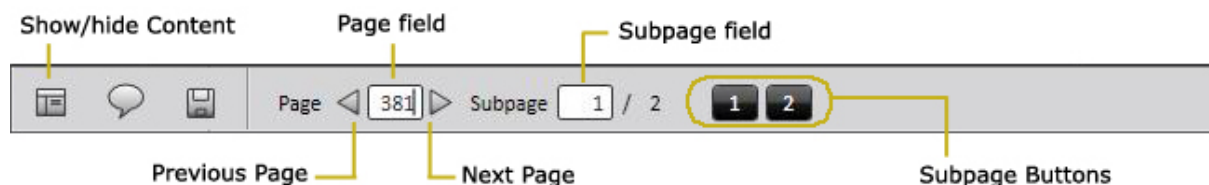
A separate Teletext window is opened. This way you can watch TV and surf the Teletext at the same time.



## Navigation

To open a Teletext page, just click on the respective 3-digit number in the Teletext window.

For an easy navigation, use the navigation bar in the Teletext window.



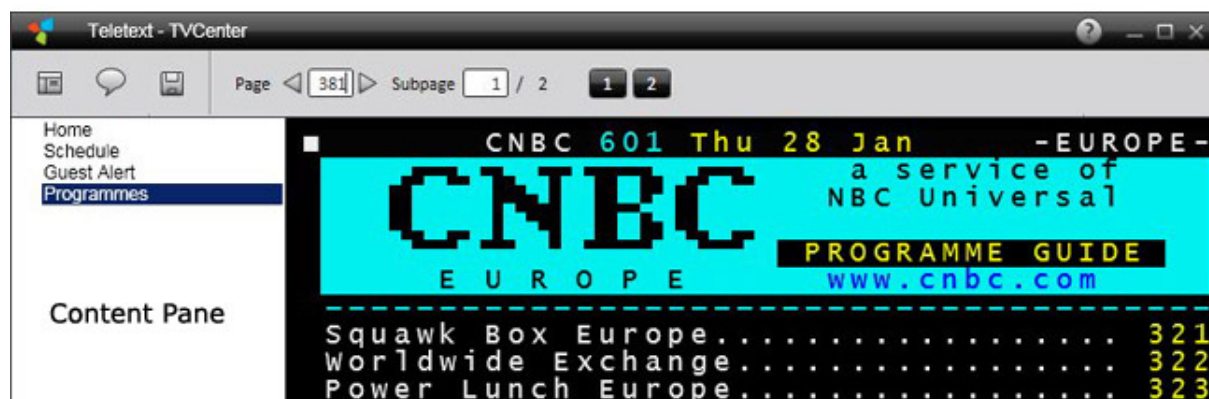
If you want to open a specific Teletext page, you can enter the desired page number in the **Page** field.

Use the **previous/next page** buttons to navigate

If a page contains subpages, you can open one of them either by:

- clicking on the desired subpage button
- entering the desired subpage number in the **Subpage** field

If available, clicking on the **Content** button opens the Content pane.



Use the links in the Content pane to navigate.

Note that not every TV channel offers Teletext content.

## Use EPG (Electronic Program Guide)

The Electronic Program Guide is a digital TV guide that offers you information about the TV program.

TVCenter offers only the free to air EPG data. This is the data sent by the TV channel itself.

Please keep in mind that not every broadcaster transmits EPG data.


To view the EPG data you can choose between:

- **mini EPG** shows if available the EPG data for the running and next TV show.
- **EPG application** offers besides the program data also functions which allow a viewer to navigate, select, and discover content by time, title, channel, genre, etc.

### The mini EPG

The mini EPG is a TVCenter feature that shows you in the TV viewing window if available the EPG data for the running TV show and the next TV show.

Note that the free to air EPG-data has to be up to date to be able to use the mini EPG. For detailed information read the section [Update EPG-data](#) of this chapter.

To see the free to air EPG-data click on the **mini EPG**  button in the bottom control bar.

Note that the **mini EPG** button is a *toggle button* with different functions. Here is an overview of the available functions:

- **1<sup>st</sup> click** - displays, if available, the title of the running show and the title of the next show

The amount of seconds the mini EPG is displayed can be set in the **TVCenter Settings** application under **TV watching > Display > OSD Display Time**

- **2<sup>nd</sup> click** - displays a detailed description of the running show (if available)
- **3<sup>rd</sup> click** - displays a detailed description of the next show (if available)
- **4<sup>th</sup> click** – hides the mini EPG data




If free to air EPG-data are available, you can also use them in the **Recording Tasks** dialog when scheduling a recording. For detailed information refer to the chapter [Manually schedule a recording](#).

### **Update EPG-data**

While watching a digital TV channel, the free to air EPG-data will be automatically updated.

To update the free to air EPG-data for a complete channel list, follow these steps:

- Open the TVCenter Settings application by clicking the **Show Settings**  button in the Master Control menu.
- Go to **Program Guide**.
- In the **Program guide (EPG)** section click the **Update now** button.

Note that for updating the EPG-data for a complete channel list a TV tuner is needed.



If your PCTV device is equipped with only one tuner, you cannot simultaneously watch TV and update the EPG-data.

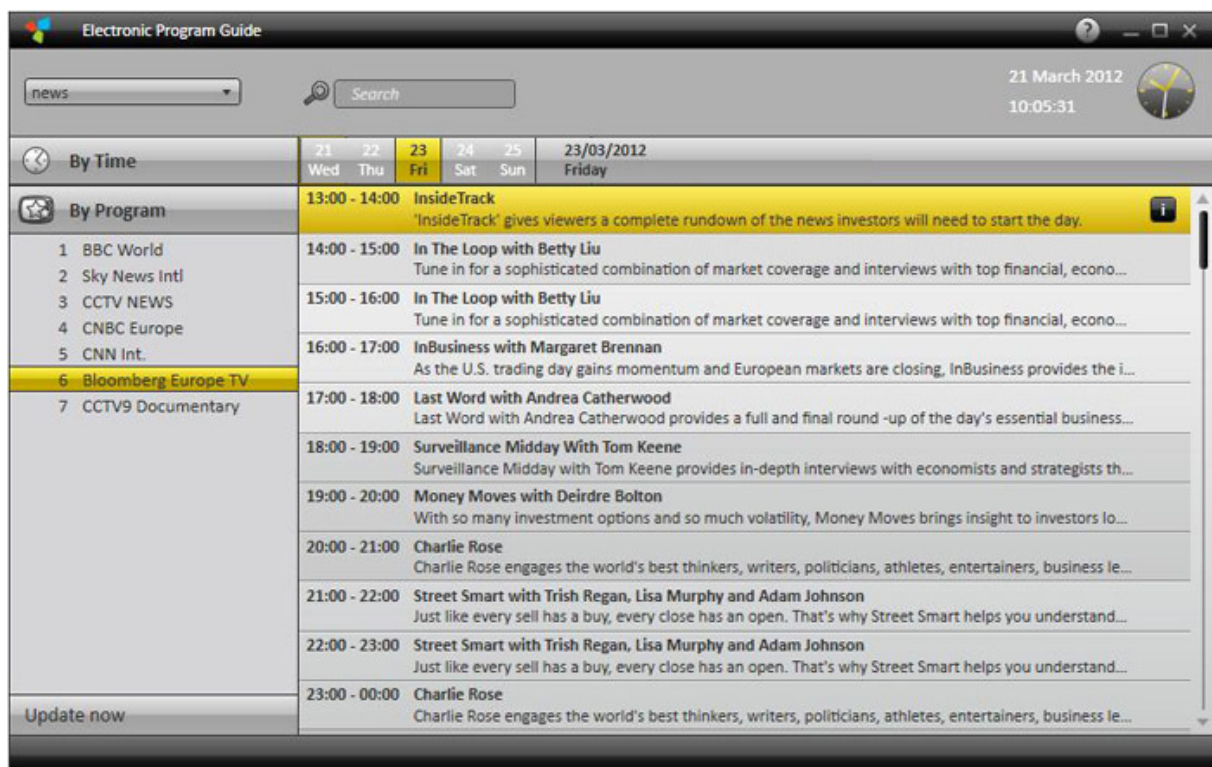
## The EPG application

This application is an interactive program guide that offers if available the free to air EPG-data in advance for a TV channel and lets you navigate and find TV programs listed by time or channel.

In addition to that, you can use the application to easily schedule a recording. For further details please refer to the chapter: [Schedule a recording using the EPG-application.](#)

There are two possibilities to open the application:

1. while TVCenter is running hit the **F8** key of your keyboard
2. Hover over the  button in the top control bar to open the Master Control menu and then click the **Show EPG**  button.



To update the EPG-data click on the Update now button in the lower left corner.

Note that for updating the EPG-data for a complete channel list a TV tuner is needed.

If your PCTV device is equipped with only one tuner, you cannot simultaneously watch TV and update the EPG-data.

## Record a TV program

TVCenter offers you two recording options.

[Instant recording / record now](#) - records the TV show you are watching at the moment

[Scheduled recording](#) - lets you program a recording

Note that if you use a dual tuner hardware you are able:  
to record two different TV-shows or to watch one TV-show and record another one or to watch two different TV-shows at the same time.

## Other useful information



The recordings are stored in the folder which you specified in the **TVCenter Settings** application under: **Recording > Directories > TV recordings**.

The filename is generated automatically either from the EPG-data (if available) or from the channel name and the date and time.

## Instant recording / record now

Use this function if you want to record the current TV show.


### Start/end an instant recording

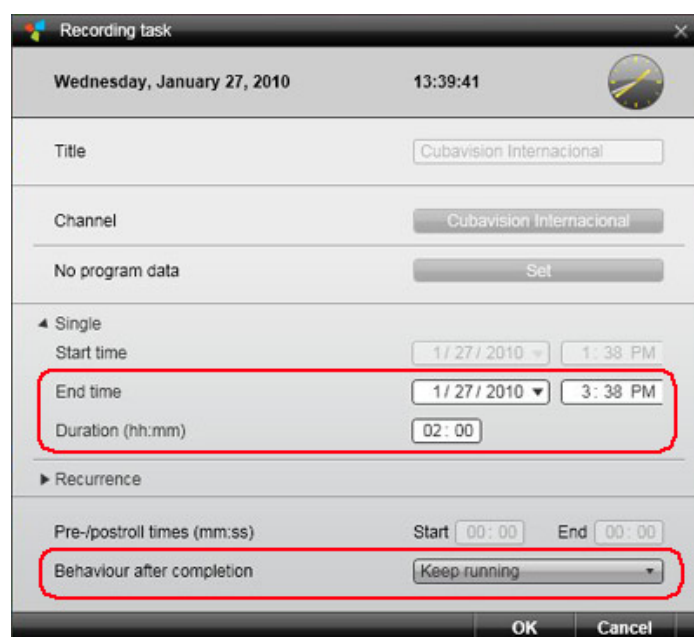
- Start an instant recording by clicking the **Record**  button.
- End the recording by clicking the **Stop Recording**  button.

Please note that while watching TV the bottom control bar automatically disappears after a few seconds. To make it appear again, move the mouse over the TVCenter window.

### Change the recording settings

During an instant recording, you have the possibility to change some recording settings. To do so follow these steps:

- Click again on the **Record**  button.  
The Recording task dialog opens.
- You have the possibility to change either the duration of the recording or the end time and/or the behavior of the PC after completing the recording.





- Make the desired changes.
- Confirm with a click on the OK button.  
The recording tasks dialog closes.

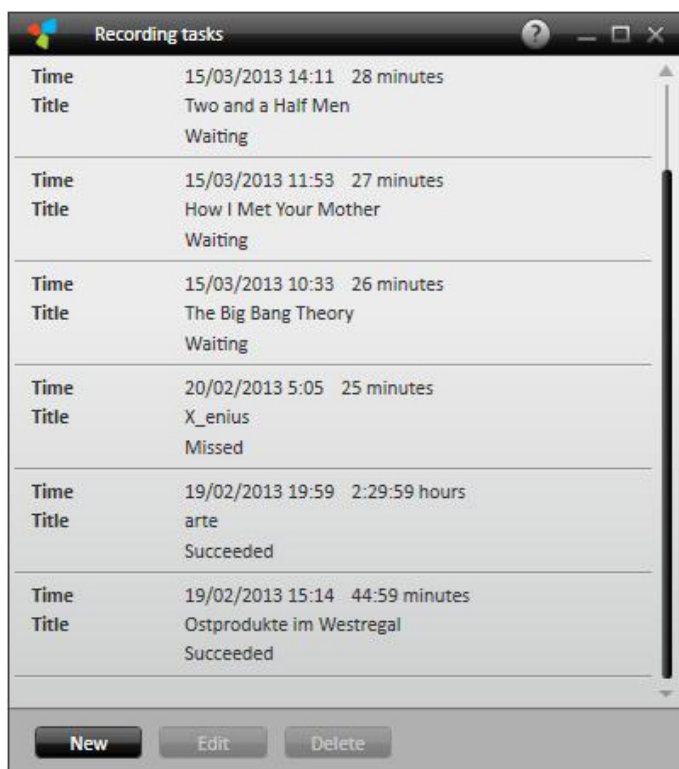
## Scheduled recording

You have two options for scheduling recordings: either manually using the Recording Tasks window or with the help of the internal EPG-application.

### Manually schedule a recording

To manually schedule a recording proceed as follows:

- Do one of the following to open the **Recording tasks** window:
  1. while TVCenter is running hit the **F11** key of your keyboard.
  2. open the Master Control menu in the top control bar by hovering over the  button and click on the **Recording Tasks**  button.
  3. right click in the preview window to open application's context menu. From the context menu, select the **Recording Tasks** option.
- The Recording tasks window opens and displays all pending, running or completed recordings.



- In the **Recording tasks** window click the button: **New**. The **Recording task** dialog opens:

Recording task

Wednesday, January 27, 2013 14:37:05

Title: Eurosport

Channel: Eurosport

No program data: Set

Single

Start time: 1 / 27 / 2013 3:00 PM

End time: 1 / 27 / 2013 5:00 PM

Duration (hh:mm): 02:00

Recurrence

Pre-/postroll times (mm:ss): Start 05:00 End 05:00

Behaviour after completion: Keep running

OK Cancel

- Click on the **Channel** button and from the **Channel select** window select the channel whose program you want to record.
- Choose if you want to program a single or a recurrent recording: (for single recording continue reading, otherwise jump to: [B - recurrence recording](#) )

#### A. Single recording

- In the **Start time** section select the date of the recording from the dropdown-menu.
- In the **time** field of the **Start time** section, manually enter the starting time of the TV show.

If free program data are available, the name of the program and the running time are shown in the program data section and the **Set** button will be active.

Recording task

Wednesday, January 27, 2013 14:37:05

Title: Eurosport

Channel: VOX

3:00 PM - 4:00 PM Gilmore Girls Set

Single

Start time: 1 / 28 / 2013 3:00 PM

End time: 1 / 28 / 2013 5:00 PM

Duration (hh:mm): 02:00

Recurrence

Pre-/postroll times (mm:ss): Start 05:00 End 05:00

Behaviour after completion: Keep running

OK Cancel

Click the **Set** button and the **start time, end time, duration** and the **title** of the recording are automatically adjusted.

The screenshot shows the 'Recording task' dialog box. At the top, it displays 'Wednesday, January 27, 2013' and '14:37:05'. The 'Title' field contains 'Gilmore Girls'. The 'Channel' is set to 'VOX'. Below this, the program data section shows '3:00 PM - 4:00 PM Gilmore Girls' with a 'Set' button. The 'Single' section is expanded, showing 'Start time' as '1 / 28 / 2013' at '3:00 PM', 'End time' as '1 / 28 / 2013' at '4:00 PM', and 'Duration (hh:mm)' as '01:00'. The 'Recurrence' section is collapsed. At the bottom, 'Pre-/postroll times (mm:ss)' are set to 'Start 05:00' and 'End 05:00', and 'Behaviour after completion' is set to 'Keep running'. 'OK' and 'Cancel' buttons are at the bottom right.

If program data are not available manually enter either the **End time** of the recording and the **Duration** will automatically be adjusted or vice versa.

- Please jump to [setting the pre-/postroll times](#).

### B. Recurrence recording

- open the **Recurrence** section to schedule the recording.
- In the **Time** section, click in the **Start** field of the section to set the time. If program data are available the name of the program and the running time are shown in the program data section.

The screenshot shows the 'Recording task' dialog box with the 'Recurrence' section expanded. The 'Title' field contains 'Gilmore Girls'. The 'Channel' is set to 'VOX'. Below this, the program data section shows '8:15 PM - 9:15 PM Criminal Intent - Verbre...' with a 'Set' button. The 'Single' section is collapsed. The 'Recurrence' section is expanded, showing 'Time' with 'Start' at '9:00 PM', 'End' at '10:00 PM', and 'Duration (hh:mm)' as '01:00'. The 'Recurrence pattern' is set to 'Weekly' with 'Sun', 'Mon', 'Tue', 'Wed', 'Thu', 'Fri', and 'Sat' buttons. The 'Range of recurrence' is set to 'Start 1 / 28 / 2013' and 'End No end'. At the bottom, 'Pre-/postroll times (mm:ss)' are set to 'Start 05:00' and 'End 05:00', and 'Behaviour after completion' is set to 'Keep running'. 'OK' and 'Cancel' buttons are at the bottom right.

By clicking the **Set** button the **start time**, **end time**, **duration** and the **title** of the recording are automatically adjusted.

- If program data are not available manually enter either the **End time** of the recording and the **Duration** will automatically be adjusted or vice versa.
- From the **Recurrence Pattern** dropdown-menu select the desired option **Weekly** - select the days of the week when the TV show is broadcasted **Daily** - select how often the TV show recurs.
- In the **Range of Recurrence** section, set the starting and ending date of the recurrence recording.  
For the ending time following options are available:
  - No end**
  - By date**
  - After occurrence**
- You can set **pre-/postroll times** for the recording.  
By default these times are set to 5 minutes. This means the recording will start 5 minutes before the start time you set and will end 5 minutes after the end time you set.
- Further you can select the behaviour of your PC after completing the recording.
- The file name is automatically generated from the program data (if available) or the channel name and the date and time.


If you wish to rename the file, you can do this in the **Title** field.

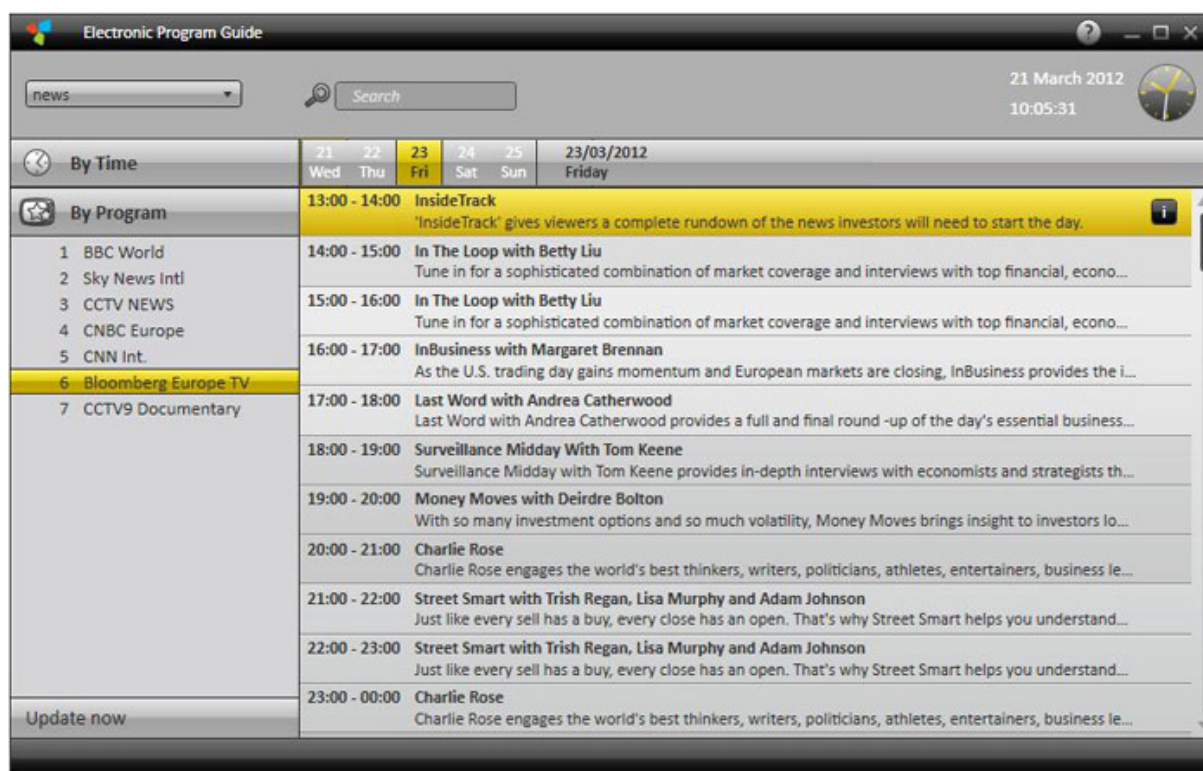


- After you entered, the desired data click the **OK** button to confirm.
- In the **Recording tasks** window the new scheduled recording will be displayed.

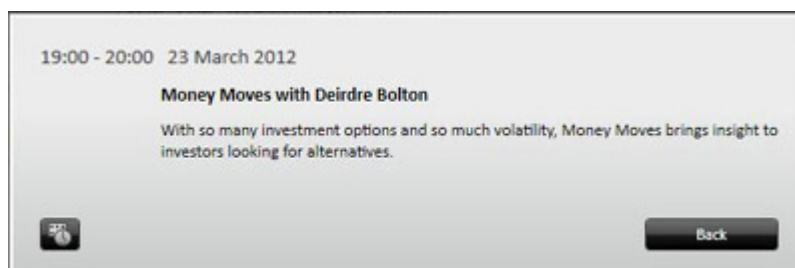
## Schedule a recording using the EPG-application


To schedule a recording follow these steps:

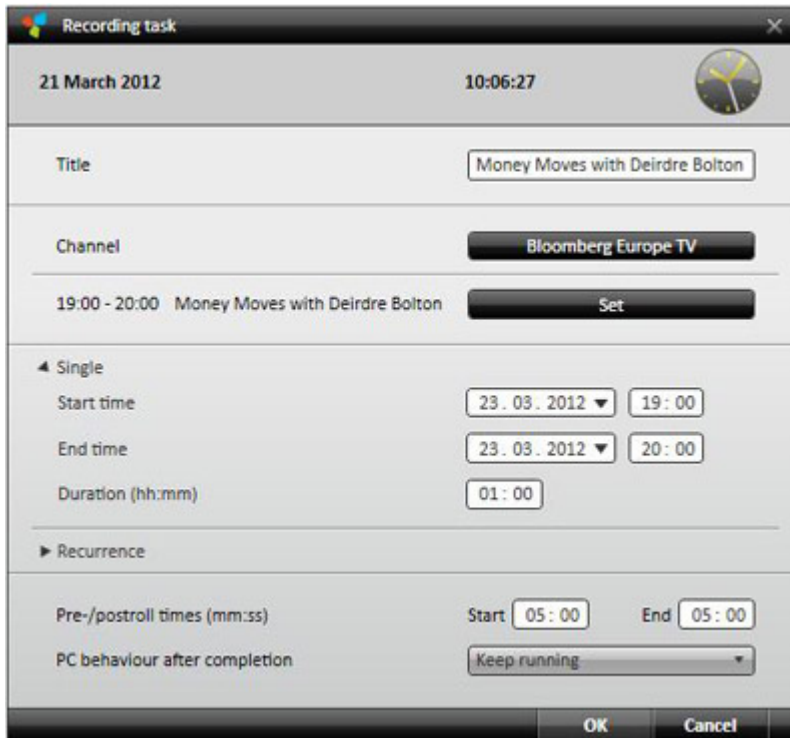
- Click on the **Show EPG**  button in the Master Control menu.
- The TVCenter EPG-application opens.



- Double-click on the TV-show you want to record.  
A pop-up window with detailed information about the selected TV-show opens.



- Click on the **Schedule a recording**  button.
- The **Recording task** dialog opens.



The image shows a screenshot of the 'Recording task' dialog box in TVCenter. The dialog has a title bar with 'Recording task' and a close button. The main area is divided into several sections: a header with the date '21 March 2012' and time '10:06:27' next to a clock icon; a 'Title' field containing 'Money Moves with Deirdre Bolton'; a 'Channel' dropdown menu set to 'Bloomberg Europe TV'; a 'Set' button; a 'Single' section with 'Start time' (23. 03. 2012, 19:00), 'End time' (23. 03. 2012, 20:00), and 'Duration (hh:mm)' (01:00); a 'Recurrence' section with 'Pre-/postroll times (mm:ss)' (Start: 05:00, End: 05:00) and 'PC behaviour after completion' (Keep running); and 'OK' and 'Cancel' buttons at the bottom.


- Make the desired changes.  
For detailed information refer to the chapter:  
[Manually schedule a recording](#).
- Click on the **OK** button to confirm.

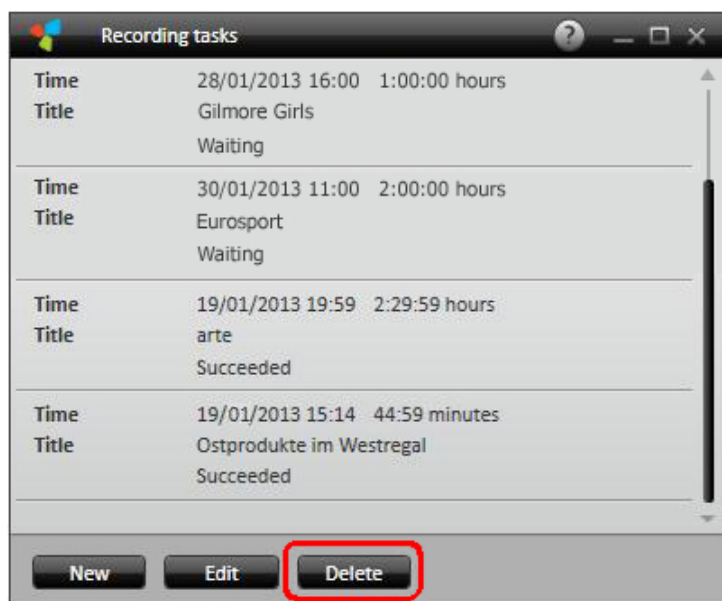
The scheduled recording task will be displayed in the **Recording Tasks** window.

## Delete a still pending recording task

If a scheduled recording is still pending and you decide not to record the program you can delete the task from the **Recording Tasks** window.

To do so:


- Open the **Recording tasks** window for example by clicking the **Recording Tasks**  button in the **Master Control** menu.
- Select the task you want to delete.
- Click the **Delete** button.

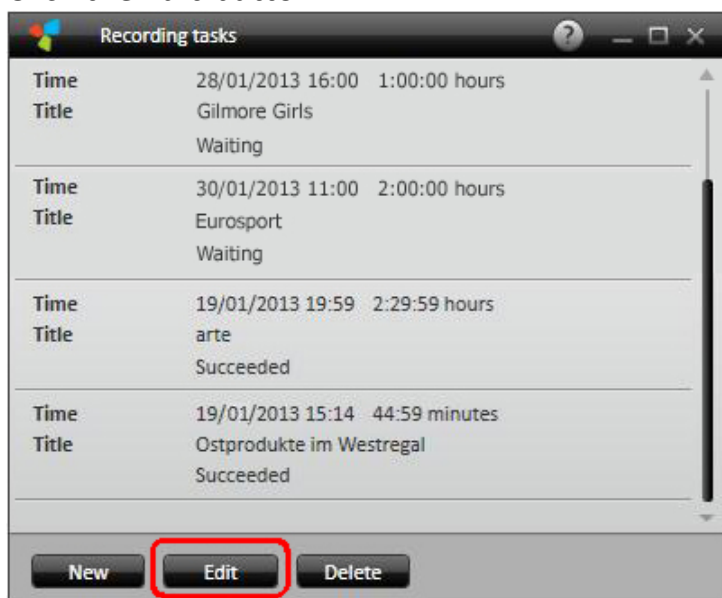


## Edit a still pending recording task

If a scheduled recording is still pending and you wish to change one of the recording settings parameters, you can do this from the **Recording Tasks** window.

To do so:

- Open the **Recording tasks** window for example by clicking the **Recording Tasks**  button in the **Master Control** menu.
- Select the task you want to edit.
- Click the **Edit** button.



- The **Recording tasks** dialog opens.
- Make the changes you desire.
- Confirm the changes by clicking the **OK** button.

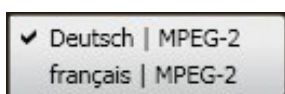
## Change the audio track

Changing the audio track means to change the audio language or the audio format of the TV program.

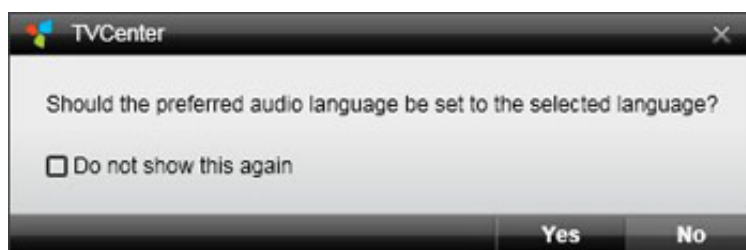
Please note that not every TV channel offers multiple audio tracks.

To change the audio track, follow these steps:

- Click the **Select audio track**  in the bottom control bar.
- A menu with the available audio tracks is displayed.



- Select the desired audio track.
- If you change the audio language, before the changes apply the following dialog opens:



If you select **Yes**, the change will affect all TV channels that offer the audio track (language) you selected.


If you select **No**, the change will affect only the running TV channel.

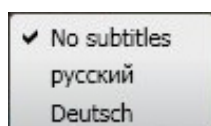
- If you change the audio format, the changes apply automatically.

## Select subtitles

Please note that not every TV channel offers subtitles.

To select subtitles, follow these steps:

- Click on the **Select subtitles**  in the bottom control bar.
- A menu with the available subtitles is displayed.



- Select the desired subtitles.
- The selected subtitles are displayed.

# TVCenter Gallery

---

The **TVCenter Gallery** is the file managing application of the TVCenter software. Here you will find all recorded files (video, audio or image files).

You can use the **TVCenter Gallery** to organize and play back these files. Besides this the background transcoding engine of the TVCenter - Gallery allows you to convert the video files into various different formats.

In the following chapters, the topics listed below will be described in detail.

[Open TVCenter Gallery](#)



[The TVCenter Gallery user interface](#)

[Play back recordings](#)

[Convert recordings](#)

## Open the TVCenter Gallery

There are several ways to open the TVCenter Gallery:

1. Depending on the installed operating system, go either to the Windows Start menu **Start > Programs > PCTV Systems > TVCenter** or the Windows Start screen.
2. While using another TVCenter application (TV, Radio or Settings) open the Master Control menu by hovering over the  button in the top control bar and then click on the **Show Gallery**  button.
3. While using another TVCenter application (TV, Radio or Settings) hit the **F9** key of your Keyboard.

The TVCenter Gallery opens.

Note that the first time you open TVCenter after connecting a Broadway to the same network your PC is also connected to, you will be asked to allow running the Virtual Tuner Install.

Please do so if you want to use your Broadway with TVCenter.

For detailed information please refer to the respective FAQ topic on:

[www.pctvsystems.com/support](http://www.pctvsystems.com/support).



## TVCenter Gallery user interface

In the image below you can see how the TVCenter - Gallery looks like.



When you first open the TVCenter - Gallery all recorded files will be displayed. For a better overview and easier file retrieval, you can filter and/or sort any time:

- which type of recording will be displayed in the gallery. You can either choose to display all recordings or for example just the TV-recordings or Radio-recordings. To do this, click on the **All Files** button and select the desired option from the dropdown-menu.
- how the recordings will be sorted. You can choose to sort the recordings by date, file size or file title. To do this, click on the **Sort by recording date** button and select the desired option from the dropdown-menu.

If you want to delete a recorded file, click on the **Delete** button.

Please note that by choosing this option, the recorded file will be deleted from your hard drive.


If you want to copy a recorded file on an USB-stick for instance, click on the **Show in Explorer** button. A Windows Explorer window opens showing you the selected file.

Please note that if you move or rename the file, it will not longer be available in the TVCenter Gallery.

Besides playing back recordings on your PC you might wish e.g. to play back a recording on your Sony® Playstation® Portable (PSP™), iPod® or DVD player. For further details, refer to the chapter [Convert TV recordings](#).

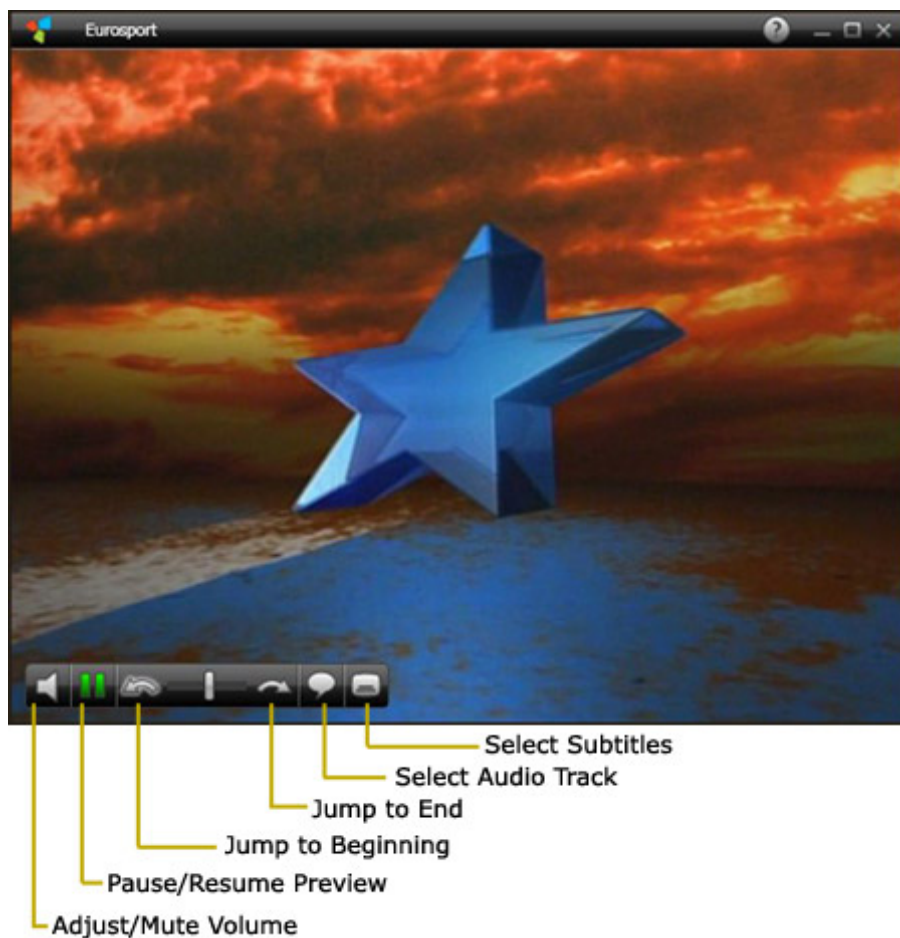
## Play back recordings

In the open TVCenter Gallery, proceed as follows to play back a recording.

- Select the recording you want to play back.  
*Optional:* For a better overview, you can filter which type of recording will be displayed in the gallery and how the files are sorted.  
Use the buttons **All Files** and **Sort by recording date**.
- Click on either the thumbnail or the  button.
- The file is played back.

Note that while the audio recordings and the taken snapshots will be played back using the default application of your operating system, the video recordings will be played back in the **TVCenter Gallery Preview** window.

Here is how the TVCenter Gallery Preview window looks like and the available functions:




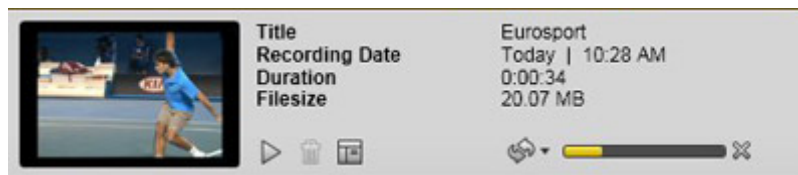
## Convert TV recordings

TVCenter records the TV programs in the native broadcasted Transport Stream format. If you wish to play back a recording on another device e.g. on your Sony® Playstation® Portable (PSP™), iPod® or DVD player first you must convert the file.

To convert a recording proceed as follows:

In the open TVCenter Gallery

- Select the recording you want to convert.  
*Optional:* For a better overview from the **All Files** dropdown-menu select the option **TV files**. This way only, the TV recordings will be displayed in the TVCenter Gallery.
- Click the  button.
- Select the desired format from the drop-down menu to start the conversion process.
- The progress bar shows how the conversion is progressing.



The converted recording is stored in the folder, which you specified in the **TVCenter Settings** application under **Recording > Converted Files**.

# TVCenter Radio

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TVCenter - Radio is the application that allows you to listen to the radio.

Please note that you need a dual PCTV tuner to be able to receive TV and radio signals at the same time.

In the following chapters, the topics listed below will be described in detail.

[Open TVCenter Radio](#)

[The TVCenter Radio user interface](#)

[Change the radio station](#)

[Set predefined radio stations](#)



[Change the audio track](#)

[Timeshift](#)

[Record a program](#)

## Open TVCenter Radio

There are several ways to open the TVCenter Radio:

1. Depending on the installed operating system, go either to the Windows Start menu **Start > Programs > PCTV Systems > TVCenter** or the Windows Start screen.
2. while using another TVCenter application (TV, Gallery or Settings) open the Master Control menu by hovering over on the  button in the top control bar and then click on the **Show Radio**  button.
3. while using another TVCenter application (TV, Gallery or Settings) hit the **F7** key of your keyboard.

The TVCenter Radio opens.

The application is now started and the program of the radio station you were last listening to is played back.

Note that the first time you open TVCenter after connecting a Broadway to the same network your PC is also connected to, you will be asked to allow running the Virtual Tuner Install.

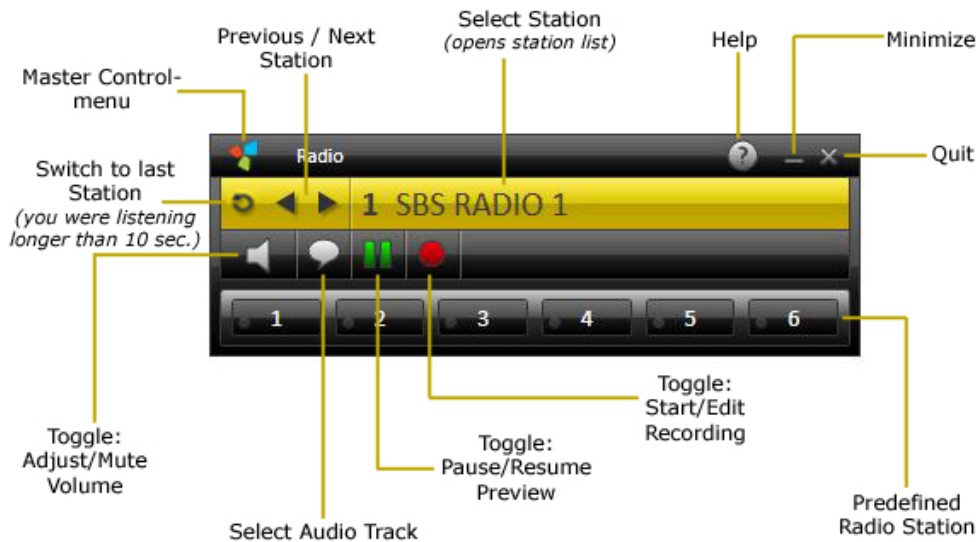
Please do so if you want to use your Broadway with TVCenter.

For detailed information please refer to the respective FAQ topic on:

[www.pctvsystems.com/support](http://www.pctvsystems.com/support).


## TVCenter Radio user interface

In the image below, you can see how the TVCenter Radio looks like and get an overview of the available functions.

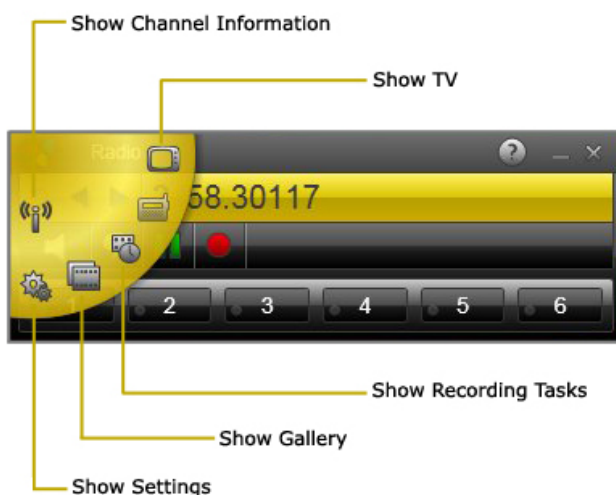


Use the controls to change the radio station, to adjust the volume or start an instant or timeshift-recording. If available, you can also swap over the audio track.

In addition to that, you can assign your favorite radio station to one of the six **Predefined Radio Station** buttons. This way you just have to click once to access them. For further details, please refer to the topic [Set predefined radio stations](#).

A very important button of the top control bar is the **Master Control menu** button. Hovering over the  button opens the Master Control menu.

This is how the Master Control menu looks like and the available functions:



Please note that the application has several so-called toggle-buttons. A toggle-button has two or more different functions and you can switch between the functions by clicking on the button.

Here are the toggle-buttons and their functions:




**1<sup>st</sup> click** - starts to record the program you are listening to

**2<sup>nd</sup> click** - opens the **Recording Tasks** window and offers you the possibility to edit the running recording



**1<sup>st</sup> click** - pauses the radio program and starts the timeshift mode.


Note that the appearance of the button changes to 

**2<sup>nd</sup> click** - resumes the radio program



Hovering over the button opens the **Adjust Volume** bar.

**1<sup>st</sup> click** - mutes the volume

Note that the appearance of the button changes to 

**2<sup>nd</sup> click** - unmutes the volume



**1<sup>st</sup> click** - opens a list with all available audio tracks

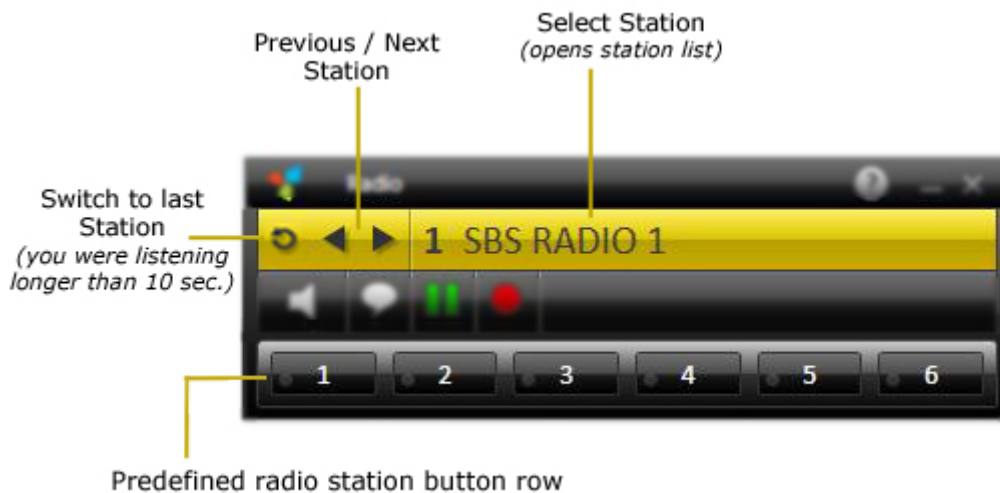
**2<sup>nd</sup> click** - select from the list the desired audio track

Note that not every radio station offers multiple audio tracks.



## Changing the radio stations

There are various ways to change the radio station. Here is an overview:



### 1. *Next / previous station*

Click on the **Previous Channel** ◀▶ **Next Channel** button to switch to the next or previous radio station in the station list.

### 2. *Switch to last station*

Click the **Switch to last Station** ↺ button to switch to the last radio station you were listening longer than 10 seconds.

### 3. *Using the predefined radio station button row*

Click on one of the six buttons located in the predefined radio station button row.

Note that you first have to set a predefined radio station.

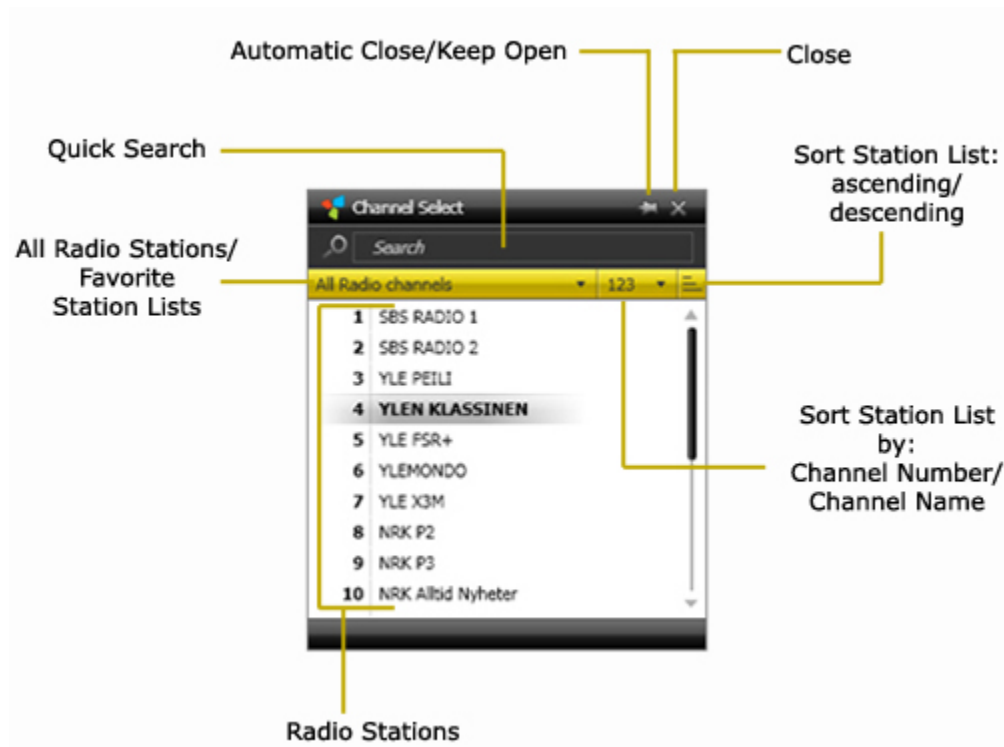
For further information please refer to the chapter:

[Set a predefined radio station.](#)

#### 4. Using the Select Channel window

To change the radio station proceed as follows:

- Click on the **Select Station** **1 SBS RADIO 1** button.  
The **Channel Select** window opens.



- Sort the radio station list using one of the available sorting possibilities:  
 from this dropdown-menu select to see all radio stations or just the radio stations associated to one of your favorite station lists.

from this dropdown-menu select to sort the station list by station number or station name.

click on this button to sort the displayed stations in the list either ascending or descending.

Alternatively you can use the **Quick Search** field to search for stations. In the station list, only the stations matching your search criteria will be displayed.

- Click on one radio station in the list to change to its program.

## Set a predefined radio station

You have the possibility to assign your favorite radio station to one of the six **Predefined Station** buttons available.



To set a predefined radio station, follow the instructions below:


- From the **Station Select** window, select the radio station you would like to assign to one of the six **Predefined Station** buttons available.
- While listening to the selected station hold down the **Ctrl**-key on your keyboard and press the **Predefined Station** button you would like to assign the station to.
- The current radio station was now assigned to the respective button.
- Click on one assigned **Predefined Station** button to change to respective station.

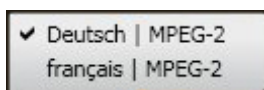
## Change the audio track

Changing the audio track means to change the audio language or the audio format of the program.

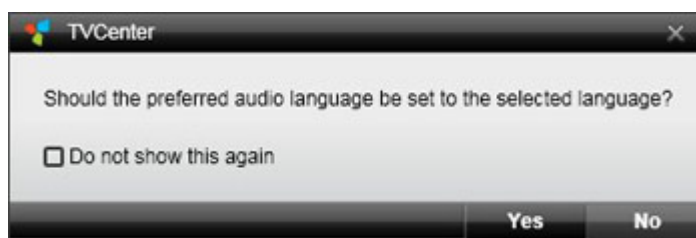
Please note that not every radio station offers multiple audio tracks.

To change the audio track, do the following:

- Click the **Select audio track**  button in the bottom control bar.
- A menu with the available audio tracks is displayed.



- Select the desired audio track.
- If you change the audio language, before the changes apply following dialog opens:



If you select **Yes**, the change will affect all radio stations that offer the audio track (language) you selected.


If you select **No**, the change will affect only the running radio station.

- If you change the audio format, the changes apply automatically.

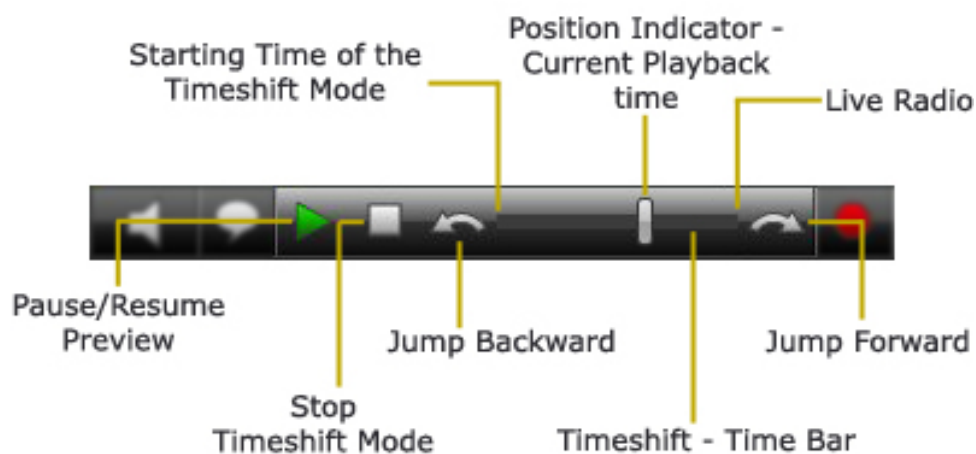
## Timeshift (pause/resume live-radio)


Timeshift, also known as time-delayed radio, is a function that allows you to pause the program and play it back any time. During the pausing time, the live radio program is temporarily being recorded on your computer. This means that unexpected interruptions cannot cause you to miss a second of the current radio show.




Please note that the timeshift files are only temporarily stored on your PC. You cannot save and use these files. After ending the timeshift mode or changing the station, the timeshift file will be automatically deleted.

Click the **Pause/Resume**  button in the bottom control bar to pause the live radio and start the timeshift mode.

During timeshift mode, additional controls are available in the bottom control bar.



- Click the **Pause/Resume Preview**  button to start playing back the timeshift file. If you click this button during playback of the timeshift file the playback will be paused. Clicking the button again resumes the playback.

- The **Timeshift time bar** allows you to jump to any position within the timeshift file either by simply clicking on the time bar at the desired position or slide the playback position indicator to the desired position within the file.
- You can switch to the live radio program at any time by pulling the position indicator to the right-hand end of the bar. In this case, the program continues to be recorded in the timeshift file.
- Use the  **Jump backward / Jump forward**  buttons to jump a pre-defined time interval in the timeshift file. By default this time interval is 10 seconds for jumping backward and 1 minute for jumping forward. You can change it in the **TVCenter Settings** application under: **Recording > Timeshift > Skip times**.
- Click on the **Stop Timeshift Mode**  button to end the timeshift mode and switches back to live radio.

Please note that if you decide to end the timeshift mode or to change the radio station the timeshift file temporarily stored on your computer will be automatically deleted.

## **Record a radio program**

TVCenter Radio offers you two recording options.



[Instant recording or record now](#) - records the program you are listening right now

[Scheduled recording](#) - lets you program a recording

## Instant recording / record now

Use this function if you want to record the radio program you are listening at the moment.


### Start/end an instant recording

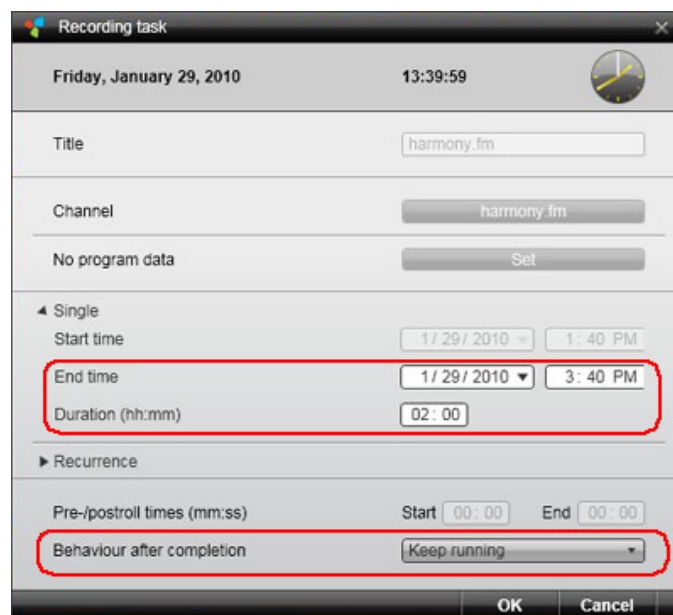
- Start an instant recording by clicking the **Record**  button.
- End the recording by clicking the **Stop Recording**  button.

### Change the recording settings

During an instant recording, you have the possibility to change some recording settings.

To do so follow these steps:

- Click again on the **Record**  button.  
The Recording task dialog opens.
- You have the possibility to change either the duration of the recording or the end time and/or the behavior of the PC after completing the recording.



- Make the desired changes.
- Confirm with a click on the **OK** button.  
The recording tasks dialog closes.



## **Other useful information**



The recording is stored in the folder which you specified in the **TVCenter Settings** application under:

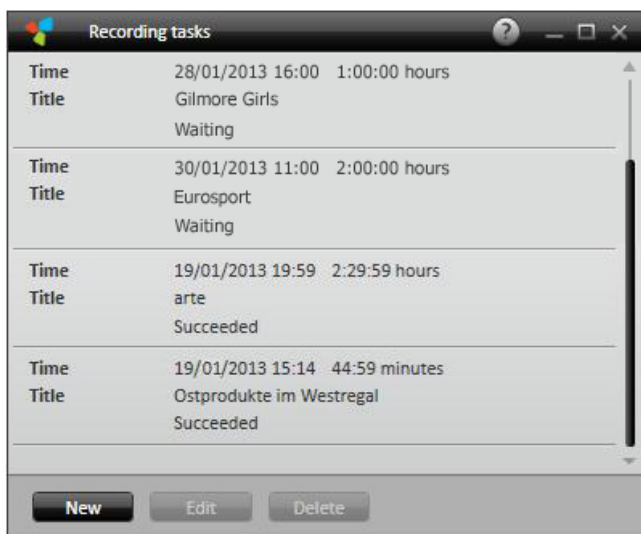
***Recording > Directories > Radio recordings.***

The filename is generated automatically from the channel name and the date and time.

## Scheduled recording

To manually schedule a recording proceed as follows:

- Do one of the following to open the **Recording task** window:
  1. while TVCenter is running hit the **F11** key of your keyboard.
  2. open the Master Control menu in the top control bar by hovering over the  button and click on the **Recording Tasks**  button.
  3. right click in the preview window to open application's context menu. From the context menu, select the **Recording Tasks** option.
- The Recording tasks window opens and displays all pending, running or completed recordings.



- In the **Recording tasks** window click the button: **New**. The **Recording task** dialog opens:



- Click on the **Channel** button and from the **Channel select** window select the station whose program you want to record.
- Choose if you want to program a single or a recurrent recording: (for single recording continue reading, otherwise jump to: [B - recurrence recording](#) )

#### A. Single Recording

- In the **Start time** section select the date of the recording from the dropdown-menu and manually enter the starting time.

The screenshot shows the 'Recording task' dialog box with the following fields and values:

Field	Value
Date	Friday, January 29, 2013
Time	13:50:35
Title	harmony.fm
Channel	harmony.fm
No program data	Set
Single	Start time: 1/29/2013 2:00 PM
End time	1/29/2013 4:00 PM
Duration (hh:mm)	02:00
Recurrence	Pre-/postroll times (mm:ss): Start 05:00, End 05:00
Behaviour after completion	Keep running

- Manually enter either, the **End time** of the recording and the **Duration** will automatically be adjusted or vice versa.
- Please jump to [setting the pre-/postroll times](#).

## B Recurrence Recording

- open the **Recurrence** option to schedule the recording.

The screenshot shows a 'Recording task' dialog box with the following fields and options:

- Title:** harmony.fm
- Channel:** harmony.fm
- No program data:** Set
- Recurrence:**
  - Time:** Start: 9:00 PM, End: 10:00 PM, Duration (hh:mm): 01:00
  - Recurrence pattern:** Weekly (dropdown), Sun, Mon, Tue, **Wed**, Thu, Fri, Sat
  - Range of recurrence:** Start: 1/28/2013, End: No end
- Pre-/postroll times (mm:ss):** Start: 05:00, End: 05:00
- Behaviour after completion:** Keep running

- In the **Time** section manually enter the starting time into the **Start** field.
- Manually enter either, the **End time** of the recording and the **Duration** will automatically be adjusted or vice versa.
- From the **Recurrence Pattern** dropdown-menu select the desired option **Weekly** - select the days of the week when the radio show is broadcasted.  
**Daily** - select how often the radio show recurs.
- In the **Range of Recurrence** section, set the starting and ending date of the recurrence recording.  
For the ending time following options are available:
  - No end**
  - By date**
  - After occurrence**
- You can set **pre-/postroll** times for the recording.  
By default these times are set to 5 minutes. This means the recording will start 5 minutes before the start time you set and will end 5 minutes after the end time you set.

- The file name is automatically generated from the station name and the date and time.


If you wish to rename the file, you can do this in the ***Title*** field.

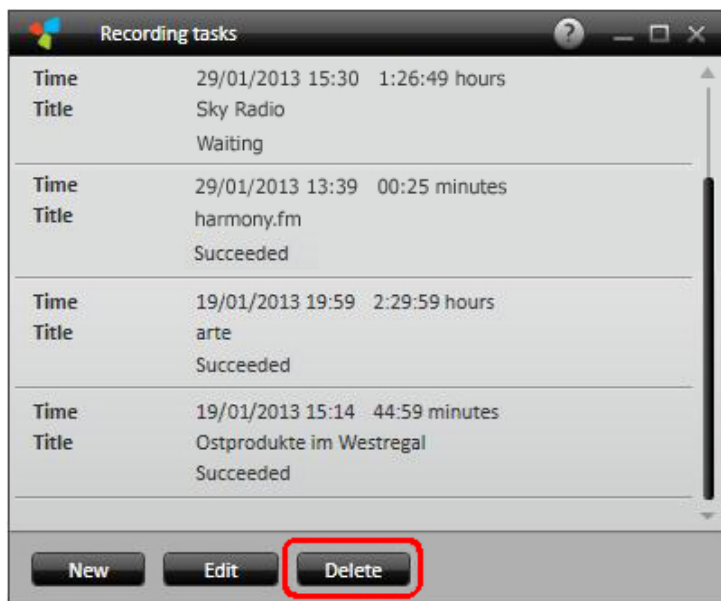
- Further you can select the behavior of your PC after completing the recording.
- After you entered the desired data, click the ***OK*** button to confirm.
- In the ***Recording tasks*** window the new scheduled recording will be displayed.

## Delete a still pending recording task

If a scheduled recording is still pending and you decide not to record the program you can delete the task from the **Recording Tasks** window.

To do so:


- open the Recording tasks window example by clicking the **Recording Tasks**  button in the **Master Control** menu.
- select the task you want to delete.
- click the **Delete** button.

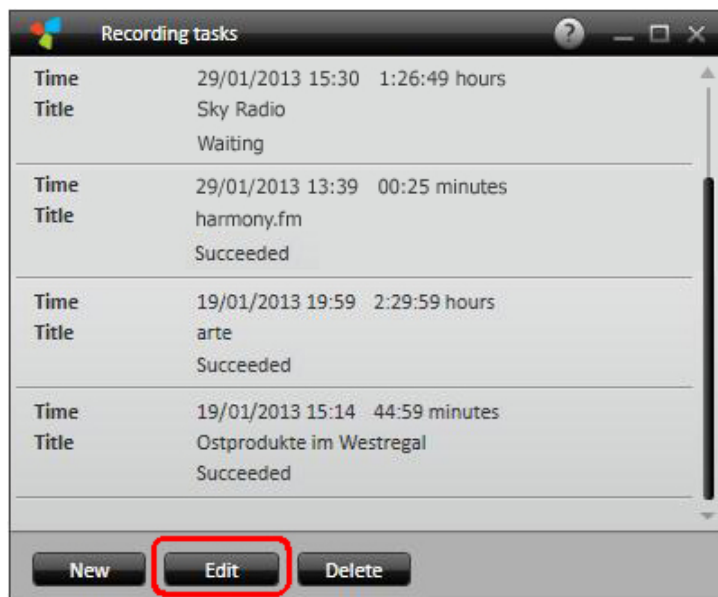


## Edit a still pending recording task

If a scheduled recording is still pending and you wish to change one of the recording settings parameters, you can do this from the **Recording Tasks** window.

To do so:

- open the Recording tasks window example by clicking the **Recording Tasks**  button in the **Master Control** menu.
- select the task you want to edit.
- click the **Edit** button.



- the **Recording tasks** dialog opens.
- make the changes you desire.
- confirm the changes by clicking the **OK** button.

## Other useful information

The recording is stored in the folder, which you specified in the **TVCenter Settings** application under:

**Recording > Recording directories > Radio recordings.**



# TVCenter Settings

---

TVCenter Settings is the application that allows you to make various changes either to the configuration of your PCTV device or the software itself.

## Open the TVCenter Settings application

To open the TVCenter Settings application, do one of the following:

1. go to the Windows Start menu:  
**Start > Programs > PCTV Systems > TVCenter Settings.**
2. while watching TV or using another TVCenter application (Radio, Gallery) open the Master Control menu by hovering over the  button in the top control bar and then click on the **Show Settings**  button.
3. while watching TV or using another TVCenter application (Radio, Gallery) hit the **F10** key of your keyboard.

Note that the first time you open TVCenter after connecting a Broadway to the same network your PC is also connected to, you will be asked to allow running the Virtual Tuner Install.

Please do so if you want to use your Broadway with TVCenter.

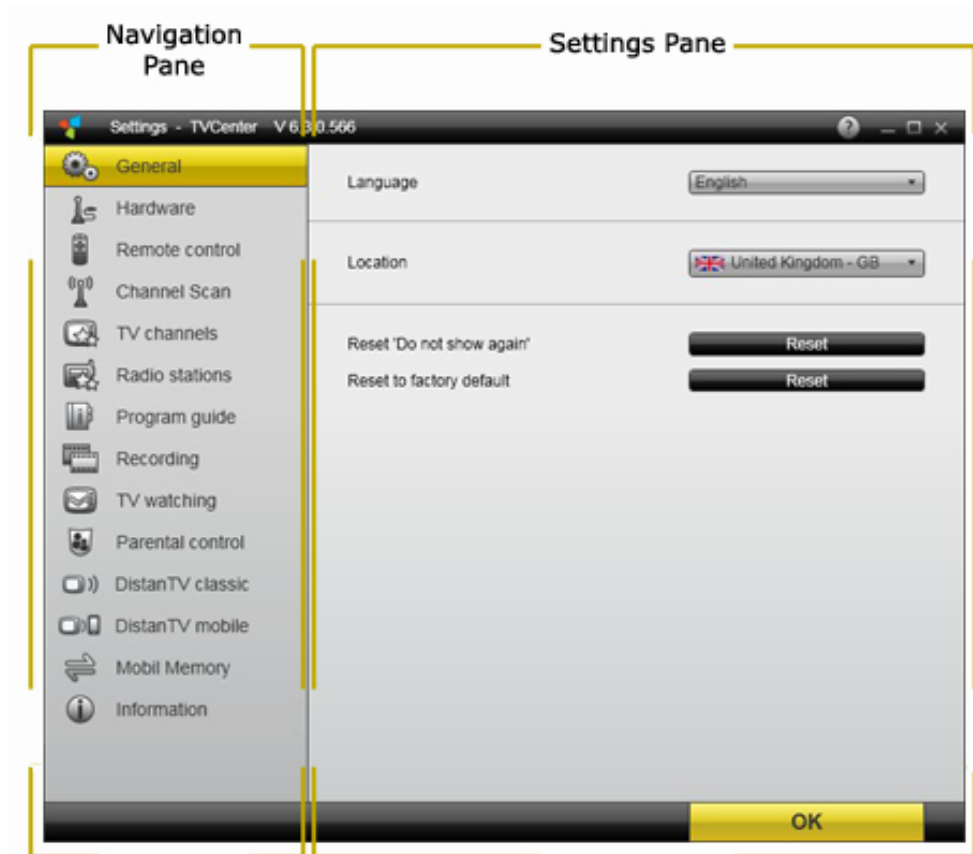
For detailed information please refer to the respective FAQ topic on:

[www.pctvsystems.com/support](http://www.pctvsystems.com/support).



## Overview

The TVCenter - Settings window consist of two panes: The Navigation Pane and the Settings Pane. This is how the window looks like:



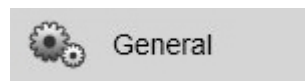
- The **Navigation Pane**, as the name already suggests offers you the possibility to navigate through the different settings options. The content of this pane does not change.

Depending on your PCTV device, the options of the Navigation pane might vary.

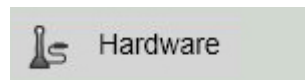
- The **Settings Pane**, offers you the possibility to set the different parameters of the selected option. Depending on the selected option the content of this pane changes.  
For a better overview, the Settings Pane is divided into sections. Each section contains related settings parameters.

On the following pages you will find an overview of the settings parameters behind the options of the navigation pane.

## Navigation pane options

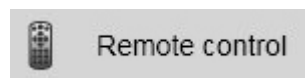


Select this option to set your location and the language of the software's user interface.

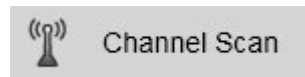


Select this option to:

- see/change the PCTV device and/or the antenna you are using for watching TV.
- configure the analog source (depends on PCTV device).
- enable the antenna amplifier (if available).

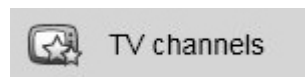


Select this option to configure and test your remote control (depends on PCTV device).



Select this option to run a channel scan.

If you want to use this option to run a channel scan, first check in the **Hardware** settings that a PCTV device and an antenna are selected. Additionally in the **General** settings the selected **Location** has to match your location.



Select this option to:

- create your favorite TV channel lists.
- open the Advanced Channel Editor.



Select this option to:

- create your favorite lists of Radio stations.
- open the Advanced Channel Editor.



## Program guide

Select this option to:

- update the EPG data.



## Recording

Select this option to:

- set the folders where your recordings will be saved.
- set various recording task and timeshift parameters.



## TV watching

Select this option to:

- set the aspect ratio of the TV-viewing window and how long the control bar will be displayed.
- set up the video renderer and the audio output.



## Parental control

Select this option to:

- enable the function
- set which TV content will be blocked

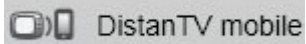
This option is available only in the USA.



## DistanTV classic

Select this option to set different parameters of the DistanTV software. For further details, please refer to the DistanTV Help or the Manual on our homepage at: [www.pctvsystems.com/support](http://www.pctvsystems.com/support) (select: Downloads > Manuals).

You cannot simultaneously use both DistanTV classic and DistanTV mobile.



Select this option to set different parameters of the DistanTV software. For further details please refer to the chapter [TVCenter - DistanTV mobile](#).

You cannot simultaneously use both DistanTV mobile and DistanTV classic.



Select this option to store /restore the TVCenter configuration.

This option is available only when using the PCTV Systems FlashStick Nano.



Select this option to:

- check for software updates
- register the software
- activate features

Select the relevant option in the navigation pane to make the changes you want.

# TVCenter - DistanTV mobile

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DistanTV mobile is a media server which runs in the background and allows a client device like a PC, Smartphone, iPhone®, iPod touch®, iPad® to access the TVCenter application via LAN or the Internet. Once the connection between any of these client devices and the PC has been established, the client device accesses the channel lists saved on your PC. You simply select the channel you want to watch and TVCenter streams the TV program to your client device. In addition to that you can use your client device to schedule recordings or access the TVCenter Gallery and play back recordings.

## Requirements

If you wish to access the TVCenter application via your client device, ensure the web browser you are using is able to display the streamed video data.

The Web browser must support either:

- FLASH-videos
- M3u8-Playlists containing H.264-videos with AAC-sound
- H.264-videos under HTML 5
- Ogv-videos under HTML 5

### ***For Access via Internet***

To access TVCenter via the Internet following requirements have to be met:

- The ***Port Forwarding*** option of your router has to be enabled.
- You need to know the external IP Address of your PC.  
Depending on your Internet provider, this may constantly change. To overcome this problem we recommend using a dynamic DNS service.
- Optional you could enable your PC to wake on LAN.



For further details on port forwarding, dynamic DNS and wake on LAN please refer to the document: "***Requirements for DistanTV mobile***" located in the ***TVCenter Help*** file in the section ***TVCenter DistanTV mobile***.

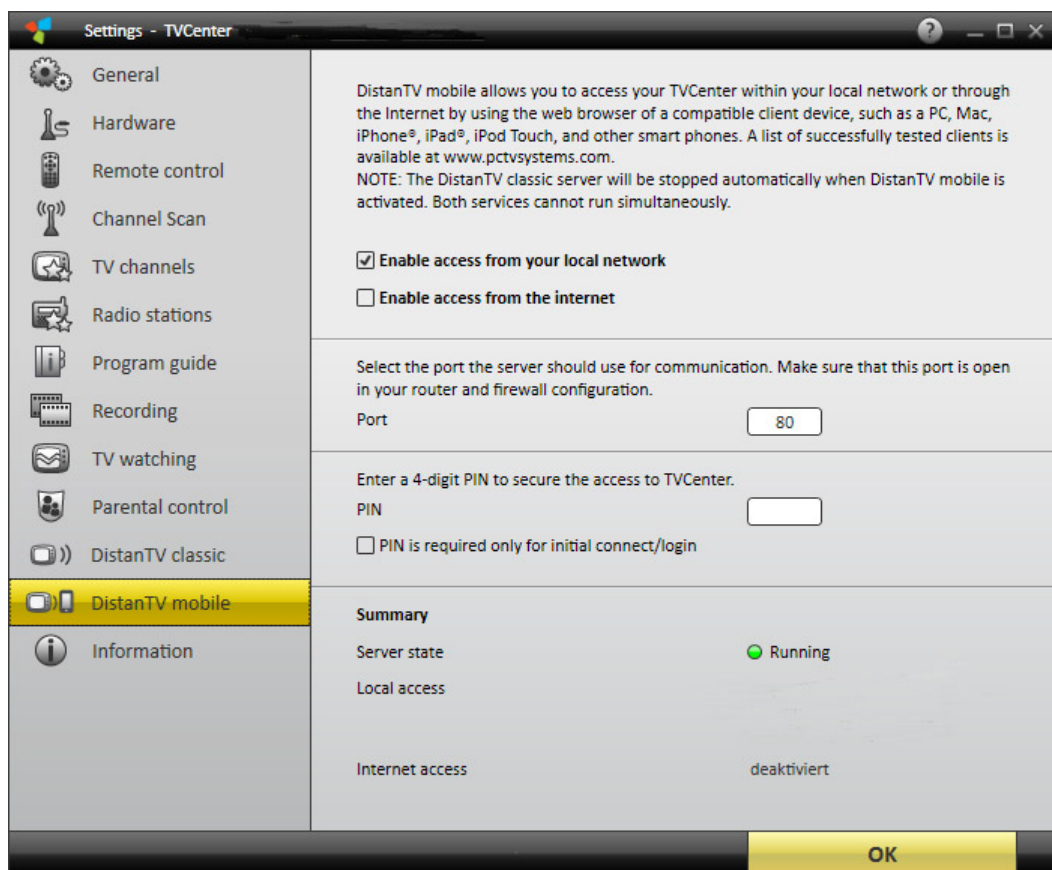
### ***For Access via your Local Network (LAN)***

To access TVCenter via LAN you need to know the IP-address or the name of your PC.

## Set the DistanTV mobile Server

To set the DistanTV mobile server you first have to open the TVCenter Settings application.

- Open the **TVCenter Settings** application by doing one of the following:
  1. while TVCenter is running, hover over the **Master Control**  button in the top control bar and click on the **Show Settings**  button.
  2. while TVCenter is running, hit the **F10** key of your keyboard.
  3. go to the Windows Start menu:  
**Start > Programs > PCTV Systems > TVCenter Settings**
- In the now open **TVCenter Settings** application, select the option **DistanTV mobile**.



- To start the **DistanTV mobile** server, select the desired Enable access option.

Note that if you enable the DistanTV mobile server the DistanTV classic server will be automatically disabled. You cannot simultaneously use both DistanTV mobile and DistanTV classic.

In the **Summary** section of the page you can always see the **Server state** the name of your PC and the IP-address.

Once an **Enable access** option is selected, the DistanTV mobile server will start automatically when you power up your PC.

- To stop the DistanTV mobile server, deselect the Enable Access option.
- In the **Port** field you can change the port the DistanTV mobile server uses for communication. By default 80 is set.

Make sure the communication port is open in your router and firewall configuration.

For further details please refer to the user manual of your router and the help of your firewall software.

- In the **PIN** field, change the default PIN to secure the access to TVCenter.
- Now watch TV on your client device.

## Access TVCenter using your client device

Follow these steps to enjoy the DistanTV mobile options on your client device:

- In your client's device web browser enter the IP-address or dynamic DNS host of your PC.

Here you can see the IP-address of your PC:

***TVCenter Settings > DistanTV mobile > Summary***

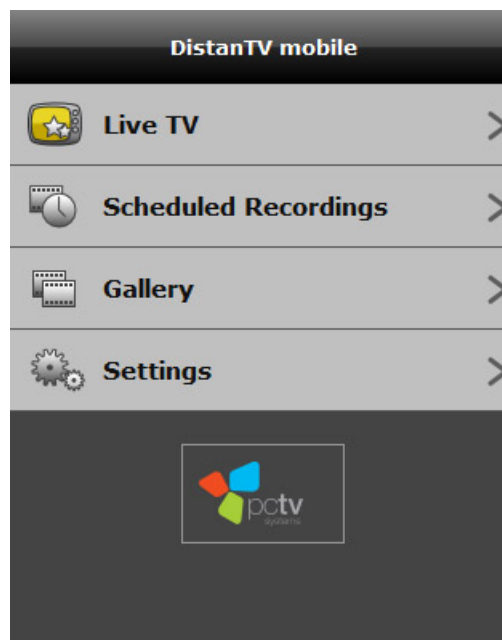
- Enter the PIN.

If you do not remember the PIN you can find it on your PC in the ***TVCenter Settings > DistanTV mobile*** section

- The DistanTV mobile user interface opens

Note: Depending on your client device different user interface will be displayed. A compact user interface will be displayed on devices with low resolution (e.g. Smartphone), whereas a standard user interface will be displayed on devices with high resolution (e.g. client PC or tablet).

On your Smartphone, the compact user interface looks like this:



The compact user interface provides first an overview of all available functions.

To access a function you just have to click on the respective button. E.g. click on the ***Live TV*** button if you want to watch TV.

Click on the ***Home*** button to get back to the functions overview.



On a client PC the standard user interface looks like this:



### Important Information:

In general, TV streaming with DistanTV mobile to your client device, can be performed via a WiFi network or through a UMTS/3G connection ( Not via GPRS/EDGE!).

Please note the following when using a UMTS/3G network:

- Streaming of video might be blocked by your UMTS operator. In case of streaming problems, please check the correct function of DistanTV mobile by connecting your client device to a WiFi router with broadband Internet access.
- Be aware of potential high data traffic cost, if you don't have a "flat-fee" UMTS contract.
- Be aware of a potential band-width throttling by your operator when reaching a certain total data volume ("fair flat" contracts).

*Example:*

*Your fair flat volume is 2GB per month and you are streaming at a data rate of 150kb/s. This will give you approx. 30h of pure TV streaming time per month until your connection speed will be decreased to e.g. GPRS speed – which makes any further streaming through this connection impossible.*

## Watch TV on your client device

- Access TVCenter as described in the chapter [Access TVCenter using your client device](#).
- From the Channel List select the channel you want to watch.



- Enjoy TV on your client.

Note: if you are using a Smartphone, e.g. an iPhone<sup>®</sup>, first you have to click on the **Live TV** button within the function overview.

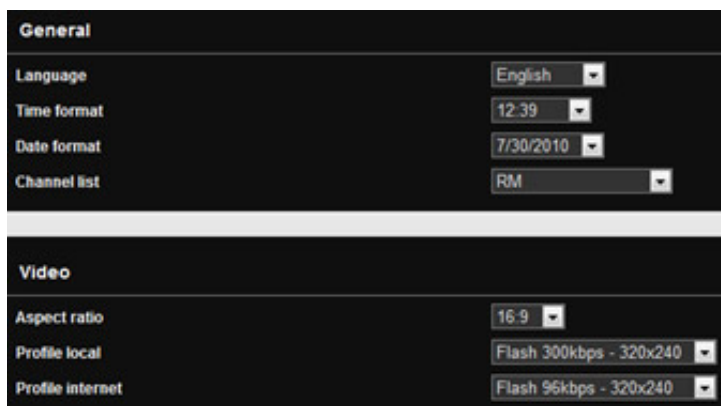
## Change TV-viewing settings on your client

If you are not satisfied with the default TV viewing settings, you can manually change them directly on your client.

Among others you can adjust the streaming data rate of your local and/or Internet profile and the aspect ratio of the preview window.

To do so, follow these steps:

- Access TVCenter as described in the chapter [Access TVCenter using your client device](#).
- Open the **Settings** page.



- Make the desired changes. These will be saved automatically.

Note: If you have more than one channel list saved on your PC, here you can select the one to be displayed in the Live TV window.

## Schedule recordings on your client

To schedule a recording, follow these steps:

- Access TVCenter as described in the chapter: [Access TVCenter using your client device](#).
- Click on the **Scheduled Recordings** button to open the respective page.
- To schedule a new recording task, click the:
  - ➕ button in case of a standard user interface (PC).
  - Add new task** button in case of a compact user interface (Smartphone).
- Select the channel whose program you wish to record from the **Channel** dropdown-list.

The entry in the **Title** field will be adjusted automatically.

Title	Das Erste_2010-07-30 13:23	
Channel	Das Erste	
Start time	7/30/2010	13:23
End Time	7/30/2010	15:23
Duration	02:00	(hh:mm)
Preroll time	05:00	(mm:ss)
Postroll time	05:00	(mm:ss)
Add		

- In the **Start time** section enter the date and the starting time of the recording.
- Enter either the **End time** of the recording and the **Duration** will automatically be adjusted or vice versa.
- You can also set **Pre-/Postroll times** for the recording. By default these times are set to 5 minutes. This means the recording will start 5 minutes before the Start time you set and will end 5 minutes after the End time you set.
- Click the **Add** button to confirm your entry.

Note: the scheduled recordings will be saved on the PC running TVCenter in the folder you set in the TVCenter Settings application.

For further information refer to the chapter:

[Recording a TV programme - Other useful information](#).

## Edit a still pending scheduled recording task on your client

If a scheduled recording is still pending, you can change one of the recording settings parameters.

To do so:

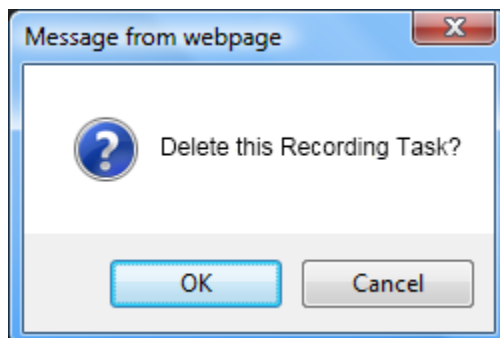
- Access TVCenter as described in the chapter: [Access TVCenter using your client device](#).
- Open the **Scheduled Recordings** page
- Select the task you want to edit.
- Make the changes you desire
- Confirm these with a click on the button **Update**.

## Delete a still pending scheduled recording task on your client

If a scheduled recording is still pending and you decide not to record the program you can delete the task.

To do so:

- Access TVCenter as described in the chapter: [Access TVCenter using your client device](#).
- Open the Scheduled Recordings page
- Select the task you want to delete.
- Click on the:
  - button in case of a standard user interface (PC).
  - Delete** button in case of a compact user interface (Smartphone).
- Click the **OK** button to confirm.










## Play back recordings on your client

In the **Gallery** page you will find all recorded files.

To play back a recording follow these steps:

- Access TVCenter as described in the chapter: [Access TVCenter using your client device](#).
- Open the **Gallery** page
- Within the Files section click on the recording you want to play back

Files		
	<b>Name</b>	Das Erste_2010-07-29 10_54
	<b>Recording Date</b>	Thursday, 7/29/2010 10:55
	<b>Filesize</b>	1.133 GB
	<b>Name</b>	Das Erste_2010-07-26 14_00
	<b>Recording Date</b>	Monday, 7/26/2010 13:55
	<b>Filesize</b>	471.574 MB
	<b>Name</b>	Das Erste_29062010_1310_1
	<b>Recording Date</b>	Tuesday, 6/29/2010 13:11
	<b>Filesize</b>	104.0 MB
	<b>Name</b>	Das Erste_29062010_1310
	<b>Recording Date</b>	Tuesday, 6/29/2010 13:11
	<b>Filesize</b>	106.576 MB
	<b>Name</b>	ANIXE HD_27062010_1457
	<b>Recording Date</b>	Sunday, 6/27/2010 04:58
	<b>Filesize</b>	16.699 MB
	<b>Name</b>	ZDF_18062010_1047
	<b>Recording Date</b>	Friday, 6/18/2010 10:48
	<b>Filesize</b>	11.960 MB
	<b>Name</b>	N24
	<b>Recording Date</b>	Monday, 5/31/2010 10:53
	<b>Filesize</b>	58.963 MB

- The file is played back.

# Online support

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If you need further help you can write us an e-mail at:  
[support@pctvsystems.com](mailto:support@pctvsystems.com) or call our hotline.

For further details on how to contact our hotline, refer to the support information sheet included with your product.

When you contact the PCTV Systems' Support, please be ready to provide the following information:

- **The PCTV Device** you are using
- **Version of the TVCenter application**
- **Serial number:** Located on the cover of your CD or in the Settings application of the TVCenter
- **Operating system version:** e.g. Windows Vista including the Service Pack version
- **Main board:** Name, chip set, BIOS version
- **CPU:** Type and speed (e.g., Pentium 4, 2.4 GHz)
- **RAM:** Size of main memory (e.g., 512 MB)
- **CD/DVD burner:** Manufacturer and model
- **Type of defect:** e.g. Crash, problems with video quality, installation problems, etc.
- **Brief description of the issue**
- **Information on how the issue can be reproduced**

To make it easier for you a part of the information needed by our support is accessible in the **System info** file.

TVCenter offers you the possibility to either save this file onto your hard disk or send it to our support.

You can find the two options here: **TVCenter Settings > Information**.

# TVCenter - operating shortcuts

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Following operating shortcuts are available:

Function	Keyboard	Mouse	Remote
<b>Main</b>			
Help	F1	-	-
TV	F5	-	-
Teletext	F6	-	Teletext
Radio	F7	-	-
EPG	F8	-	-
Playback	F9	-	-
Settings	F10	-	-
Exit	ALT + F4	-	Power On/Off



Function	Keyboard	Mouse	Remote
<b>Channels</b>			
Enter numbers	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9	-	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9
Switch video input	0	-	0 / AV
Previous channel	Cursor Up / Cursor Left / Media* Next	-	Channel Up
Next channel	Cursor Down / Cursor Right / Media* Previous	-	Channel Down
Last viewed channel	L	-	Last Channel (Jump)
Open channel selector	Enter	-	OK

\* "Media" stands for the multimedia keys on enhanced keyboards.

Function	Keyboard	Mouse	Remote
<b>Audio</b>			
Volume +	+ / Volume* Up	Wheel Up	Volume Up
Volume -	- / Volume* Down	Wheel Down	Volume Down
Mute on/off	M / Volume* Mute	Wheel click	Mute
Select audio stream	ALT + A	-	-

\* "Volume" stands for the multimedia keys on enhanced keyboards.

<b>Recording</b>			
Start Recording	C	-	Record
Stop Recording	S	-	Stop
Snapshot	ALT + C	-	-

Function	Keyboard	Mouse	Remote
<b>Timeshift / Playback</b>			
Pause (starts timeshift)	Space / Media* Play	-	Play / Pause
Play	Space / Media* Play	-	Play / Pause
Stop (ends timeshift)	Alt + Space / Media* Stop	-	-
Jump to beginning	Pos 1	-	-
Jump to end	End	-	-
Jump forward	Page Up	-	Fast Forward
Jump backward	Page Down	-	Fast Reverse

\* "Media" stands for the multimedia keys on enhanced keyboards.

Function	Keyboard	Mouse	Remote
<b>Other</b>			
Toggle fullscreen mode	F / ALT + Enter	Double-click left	Fullscreen
Zoom in	ALT + Cursor right	CTRL + Wheel Up	-
Zoom out	ALT + Cursor left	CTRL + Wheel Down	-
Show EPG information (OSD)	I	-	?
Show advance channel information	ALT + I	-	-
Change display mode (aspect ratio)	A	-	-
Select subtitle stream	ALT + T	-	-

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# Glossary

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## #

**16:9-Format:** Also called widescreen. Is a TV format with the width-to-height ratio of 16:9. When viewed on traditional TV-sets with a 4:3 display area, part of the picture is black (black bars on top and bottom of the picture) to make it compatible with the traditional format.

**4:3-Format:** Is a TV format with the width-to-height ratio of 4:3. When viewed on TV-sets with a 16:9 display area, part of the picture is black (black bars on the left and right side of the picture).

## A

**Ac3:** also known as *Dolby Digital*. Is the common version of a data/audio compression technology developed by Dolby Laboratories. It contains up to six discrete channels of sound. Therefore it supports mono, stereo and 5.1 channel mode.

**Aspect ratio:** The width-to-height ratio of one pixel. Some video formats must have this ratio in order to display the picture properly. If the aspect ratio is 1, the pixel will be square. If the aspect ratio is not 1, the pixel will be rectangular. When rectangular pixels are used without adjustment, circles are displayed as ovals. This distortion can be eliminated by factoring in the aspect ratio. (see also "Pixel")

**ATSC:** The format of digital TV in the US, South Korea, Canada and Mexico. Defined by Advanced Television System Committee

## C

**ClearQAM:** Is the digital TV transmitted in the US via the cable network

**Client:** A system (computer or program) in a network or on the Internet that requests files or services. The system (computer or program) that provides the

files or services is called a server. The client can request a data transfer or a print job from the server.

**Closed Captioning:** offers the possibility to display a text on a running TV preview. This text is specifically intended for people who are deaf or hard-of-hearing and usually contains descriptions of important non-dialog audio as well.

**CoDec:** Is the abbreviation of *Coder/Decoder*. Is a device or program able to compress and decompress digital data streams like for instance video data.

**Composite Video:** The encoding of color and brightness information into a single signal. (see also "S-Video")

**Conversion:** See "Transcode"

## D

**Data rate:** The data rate is also known as the bit rate. The bit rate measures how fast bits of data can be transferred over a medium in a given period of time. This rate is listed in bits per second (bps).

**DTT:** Abbreviation of *Digital Terrestrial Television*. See also "DVB"

**Deinterlaced:** is the process of converting interlaced video, such as common analog television signals or 1080i format HDTV signals, into a non-interlaced form. (see also "Field")

**DHCP:** Abbreviation for "Dynamic Host Configuration Protocol". Windows-Server software that assigns an IP address to each computer in a network. (see also "IP Address")

**Digital Television:** See also "DVB" or "DTVB". Digital television transmission standard. Describes the transmission of video, audio and additional information as digital data signals.

**DiSEqC:** is the abbreviation of *Digital Satellite Equipment Control* and is a special communication protocol. This protocol facilitates the communication between a satellite receiver and a device such as a multi-dish switch or a small dish antenna rotor. DiSEqC is commonly used to control switches and motors.

**DivX:** is a video codec created by DivX, Inc. and is popular due to its ability to compress lengthy video segments into small sizes while maintaining relatively high visual quality.

**Dolby Digital:** Is the common version of a data/audio compression technology developed by Dolby Laboratories. It contains up to six discrete channels of sound. Therefore it supports mono, stereo and 5.1 channel mode.

**DVB:** Abbreviation of *Digital Video Broadcasting*. Transmission standard for digital television. Classified as "DVB-C", "DVB-S", and "DVB-T" depending on the transmission medium.

**DVB-C:** Abbreviation of *Digital Video Broadcasting Cable*. Transmission standard for digital television via the cable network. (see also "DVB")

**DVB-S:** Abbreviation of *Digital Video Broadcasting Satellite*. Transmission standard for digital television via satellite. (see also "DVB")

**DVB-T:** Abbreviation of *Digital Video Broadcasting Terrestrial*. Transmission standard for digital television via antenna. (see also "DVB")

## E

**EAc3:** more commonly known as "Dolby Digital Plus", is an enhanced coding system based on the Ac3 codec. It supports more audio channels and offers improved coding techniques to reduce compression artifacts. It is not backward compatible with existing Ac3 hardware.

**EPG:** is the Abbreviation of *Electronic Program Guide* and is a digital TV guide that offers you information about the TV program

**Ethernet:** The most common type of local-area network. Each node (computer or server) in the network checks whether any other computer is transmitting data. It then waits for the other computers to finish with their transmissions before it starts its own transmission. (see also "LAN")

**EVR:** Abbreviation of *Enhanced Video Renderer*. It is a video renderer and mixer, part of the Microsoft Media Foundation (MF) multimedia framework for digital media in Windows Vista

## F

**FEC:** is the Abbreviation of *Forward Error Correction*. FEC is a system of error control for data transmission. The sender adds an error-correction code to its messages which allows the receiver to detect and correct errors (within some bound) without the need to ask the sender for additional data.

**Field:** A video image consists of horizontal lines divided into two fields. All the odd-numbered lines make up one field; the even-numbered lines make up the other field.

**Firewall:** is a part of a computer system or network that is designed to block unauthorized access while permitting authorized communications. Firewalls are frequently used to prevent unauthorized Internet users from accessing private networks connected to the Internet.

**Firmware:** Firmware is system software stored in ROM or Flash memory. Firmware is not deleted when the system has been turned off.

**Flash memory:** Re-writable permanent memory that behaves like a hybrid of RAM and a hard drive. Flash memory does not lose data even when its power supply has been turned off. (see also "RAM")

**FM:** is the Abbreviation of *Frequency Modulation*.

## H

**H.264:** is a standard for video compression. It is also known as MPEG-4 Part 10, MPEG-4 AVC or MPEG-4 AVC (H.264)

**HD:** Abbreviation of *High Definition*. Name for video signals with a resolution that exceeds the Standard Definition. Typical examples are "720p" (1280x720 progressive) and "1080i" (1920x1080 with line interlacing). The transmission of HD signals requires components or digital (DVI, HDMI) inputs. FBAS, S-video and SCART are not suitable for this. The compression algorithms for HD are extensions to the methods used for SD, for example, MPEG 2 HD, MPEG 4 HD, and Windows Media Video HD. Since for HD, substantially more pixels and therefore more data accumulate, significantly higher processing power is required for compression and decompression. (see also "SD")



**HTTP:** Abbreviation for *HyperText Transfer Protocol*. A standard mechanism used on the Internet to share documents between servers and clients.

## I

**Interlace:** A method of creating an image used in PAL and other systems. Interlacing uses fields. Each field has 312 1/2 lines that are inserted one after another. (see also "Field")

**IP Address:** Abbreviation of *Internet Protocol*. Every computer connected to the Internet receives a unique identification number that consists of four sections. This number is called an IP address. This allows other computers in the network to identify it, send data packets to it and to process data they have received from it. IP addresses make sure that the right data packets are sent to the right recipient via the right path.

**iPod:** Is a portable media player designed and marketed by Apple. To the product line belong: *iPod Classic* (hard drive-based), the *iPod Touch* (with touchscreen), *iPod Nano* (video capable), and the *iPod Shuffle*.

## L

**LAN:** Abbreviation of *Local-Area Network*. A local network located in a building or on company premises that is based on private transmission media and equipment. Ethernet and Token Ring are common LAN technologies.

**Letterbox:** The letterbox format is created when an image recorded in 16:9 format (or wider) is displayed on a normal television (4:3). This format typically displays the picture between black bars on the top and bottom of the screen. This term was probably derived from the wide, thin format that looks a lot like the slot of a letterbox.

## M

**MPEG:** Abbreviation of *Motion Pictures Experts Group*. Video-compression standard. There are different formats for different types of compression, such as MPEG 1, MPEG 2, MPEG 4 etc.

**Modulation:** is the process of conveying a message signal, e.g. a radio or TV signal, inside another signal that can be physically transmitted, the so called carrier wave. In radio communications or cable TV systems, electrical signals can only be transferred over a limited passband frequency spectrum. Varying the amplitude, frequency or phase of a carrier wave makes it possible to keep the frequency content of the transferred signal as close as possible to the centre frequency of the passband.

## N

**NTSC:** Abbreviation of *National Television Standards Committee*. A television standard with 525 lines and 60 fields per second that is used in North and Central America. (see also "PAL", "SECAM", "Field")

## P

**PAL:** Abbreviation of *Phase Alternation Line*. Television standard developed in Germany that uses 625 lines and 50 fields per second. This is the main TV standard in Europe. (see also "NTSC", "SECAM", "Field")

**PC:** Abbreviation of *Personal Computer*

**Pcr Pid:** is the abbreviation of *Program Clock Reference Packet Identifier*. It is a value in the program map table of an MPEG 2 program and represents the packet identifier (pid) containing the program clock reference (pcr). The program clock reference enables a decoder to present synchronized content, meaning the audio track matches the associated video.

**PCTV Device:** see "TV tuner"

**PIN:** Abbreviation of *Personal Identification Number*. A PIN is a secret code comprising several digits that identifies a given user.

**Pixel:** Also known as a "picture element" or "pel". In a video-recording device (such as a camera) or a playback device (such as a monitor), a pixel is a light-sensitive or light-emitting surface with a specified height and width. When stored electronically, pixels contain brightness and color information for a given image element. The aspect ratio, which also plays a key role in video playback, is stored separately in the files for some data formats. (see also "Aspect ratio")

**Pmt Pid:** is the abbreviation of *Program Map Table Packet Identifier*. It is the transport stream packet identifier (pid) containing the program map table (pmt). The program map tables provide information on each program present in the transport stream, including the program-number, and list the elementary streams that comprise the described MPEG 2 program.

**Port:** The end point of a logical connection within a network. The port number indicates the type or the type of use of the port. Certain port numbers are reserved for specific applications. For example, port 80 is used for http communication.

**PSP:** Abbreviation of *Playstation Portable* is a handheld game console manufactured and marketed by Sony Computer Entertainment. Among others the robust multimedia capabilities distinguishes this handheld game console from the others.

## Q

**QAM:** Abbreviation of *Quadrature Amplitude Modulation*. It is both an analog and a digital modulation scheme. This way digital cable channels are encoded and transmitted via cable television providers throughout North America.

## R

**Router:** Routers, also known as "Intermediate Systems (IS)", are linking elements that interconnect two or more subnetworks. In addition to acting as a bridge, routers can expand the boundaries of a network (number of nodes, physical extension). Routers also control data traffic by not forwarding defective data packets.

**Resolution:** Describes the detail an image holds and is characterized by the number of distinct pixels that can be displayed in each dimension. Referring to TV we distinguish between standard definition (SD) and high definition (HD) TV.

## S

**S-Video:** S-Video signals deliver brightness and color information separately through several cables. This means that the video does not need to be modulated and demodulated and image quality is not impaired as a result. (see also "Composite Video")

**SD:** Abbreviation of *Standard Definition*. When a resolution consists of up to 720 x 480 (NTSC) or 720 x 576 (PAL), we are talking about "Standard Definition". (see also "HD")

**SECAM:** Abbreviation of *Sequential Couleur à Mémoire*. A color-television standard developed in France and Eastern Europe based on the PAL system. SECAM uses 625 lines and 50 fields per second. (see also "NTSC", "PAL", "Field")

**Server:** A computer or a program that offers storage, data-transfer and other services in a network or on the Internet. Servers often provide services for requestors (clients) located on other computers.

**Set-top box:** A set-top box is an additional device that receives digital television stations and data. It can be hooked up to any standard television set.

**SPDIF:** is the abbreviation of *Sony Philips Digital InterFace*. It is a data link layer protocol and a set of physical layer specifications for carrying digital audio signals between devices and stereo components over either optical or electrical cable. SPDIF is commonly used to carry compressed or uncompressed digital audio signals to a receiver that supports Dolby Digital or DTS surround sound.

**Streaming:** The act of transferring compressed video and audio files over the Internet. Streaming does not download all the data at once, but downloads it in stages using a store-and-forward method. The data does not arrive as a continuous file, but is cached in the buffer, which can create delays at the start of transmission. The data can be transmitted live or it can be downloaded later. The computer receiving the data stream must have a program (player) installed on it that decompresses the data. Players are usually installed in browsers such as Internet Explorer. The speed and quality of the data depend heavily on how much bandwidth is available. In order to ensure smooth playback, the Internet

connection should offer at least 300 Kbps in bandwidth. There are various file formats for audio and video streaming. The most popular formats are MP3, RealAudio and WMA.

**Subtitle:** are textual versions of the dialog in films and television programs. They can either be the written translation of a dialog in a foreign language, or a written rendering of the dialog in the same language. Usually subtitles are displayed at the bottom of the screen.

## T

**Transcode:** is the direct digital-to-digital conversion of one encoding to another. The most popular method of transcoding is to decode the original data to an intermediate format, in a way that still contains the content of the original, and then encoding the resulting file into the target format.

**Transport Stream:** is a communications protocol for audio, video, and data and it is used in broadcast applications such as DVB and ATSC.

**TV:** Abbreviation of *Television*

**TV Tuner:** is a computer component that allows television signals to be received by a computer. Most TV tuners allow you to record the TV program onto the hard disk of your PC.

## V

**Virtual Tuner Install:** is a TVCenter process that enables TVCenter to use the TV-tuner of a Broadway as TV-source. For further information please refer to the respective FAQ topic on: [www.pctvsystems.com/support](http://www.pctvsystems.com/support).

## W

**Widescreen:** See "16:9 format".

**WLAN:** Abbreviation of *Wireless Local Area Network*. (see also "LAN")