

# **Pinnacle MediaCenter**

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## **Pinnacle MediaCenter**

### **User's Guide**

GB/US April 2005

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# Table Of Contents

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Introduction.....	1
Welcome.....	1
Pinnacle MediaManager .....	2
Pinnacle MediaCenter .....	2
Pinnacle Hardware .....	2
PCTV MediaCenter Remote Control .....	2
The Contents of Your Package.....	3
Hardware.....	3
Software .....	3
Documentation.....	3
Online Help .....	4
Online Manual.....	4
Pinnacle MediaCenter - System Setup.....	5
Installing the Hardware .....	5
Installing the Software.....	5
The tvtv Manager .....	6
Opening a User Account.....	6
Assigning TV Channels .....	6
Scheduled Recording List.....	7
Advanced Settings .....	8
Advanced Settings Dialog Overview .....	8
Advanced Station Settings Creating a Channel List .....	9
Advanced Station Settings Editing a Channel List .....	11
Advanced Station Settings Favorites .....	13
Advanced TV Hardware Settings .....	14
Advanced Remote Control Settings.....	17
Advanced Playback Settings.....	18
Advanced Display Settings .....	21
Advanced Data Services Settings .....	23
Advanced General Settings.....	24
Pinnacle MediaManager .....	27
Overview .....	27
What the Pinnacle MediaManager Does.....	27



Main Window of the Pinnacle MediaManager .....	28
The Media Library.....	30
Introduction to the Media Library .....	30
The Sort View in the Media Library .....	33
Searching in the Media Library .....	34
Deleting Files in the Media Library .....	35
The Media Player .....	36
Using the Media Player and Its Controls .....	36
Importing Media Files .....	38
Introduction to the Import Tab.....	38
Import - Folder.....	39
Import - Files.....	40
Import - Drives.....	41
Import - Audio CD.....	42
Import - Digital Camera.....	45
Import - Watch Folder .....	47
Import - Rhapsody Playlists.....	49
Organizing Media Files .....	50
Organizing File Tags.....	50
Customized File Tags (Keywords) .....	51
Introduction to the Organize Tab .....	52
Using Playlists.....	54
Introduction to the Playlists Tab .....	54
Creating and Editing Playlists.....	55
Exporting Media Files .....	57
Introduction to the Export Tab.....	57
Exporting to a Folder .....	58
Exporting to an M3U Playlist .....	60
Exporting to a Burner.....	61
The Menus.....	62
The File Menu.....	62
The Edit Menu .....	64
The Tools Menu.....	66
Real Rhapsody Music Service.....	67
Real Rhapsody Music Service - Overview .....	67
File Formats.....	70



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Supported File Formats.....	70
Converting Files.....	71
Pinnacle MediaCenter.....	74
Pinnacle MediaCenter Functions.....	74
Pinnacle MediaCenter User Views.....	76
Pinnacle MediaCenter Window Formats.....	78
Remote View (optimized for operation with the remote control) .....	82
Overview.....	82
TV Menu.....	86
Radio Menu.....	103
Music Menu .....	113
Movies Menu .....	127
Photo Menu.....	137
Online Menu .....	150
Menu Settings .....	151
PC View (optimized for operation with a mouse).....	164
Overview.....	164
General Operating Controls .....	165
Operating Controls While Watching TV .....	169
Operating Controls During DVD Playback .....	175
Operating Controls During File Playback.....	179
Teletext .....	183
Electronic Program Guide (EPG) and Recording.....	187
Technical Support.....	195
Getting Technical Support.....	195
1. Frequently Asked Questions .....	195
2. Ask a Question and Get an Answer .....	195
3. E-mail Support.....	195
4. Discussion Forum .....	196
License Agreement .....	197
Pinnacle End User License Agreement .....	197
Glossary .....	201
Index .....	209

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# Introduction

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## Welcome

Your new Pinnacle product offers you a completely new experience in multimedia entertainment. From now on, you can access and process all sorts of media such as television, radio, movies, music and photos, either from your computer or from the comfort of your armchair.

You can watch both analog and digital television (optional) on either your computer monitor or your television screen.

The fun gets even better with the following features. Watching TV just got easier and you don't have to miss a second of your favorite shows, thanks to the latest timeshift recording technology. This makes spontaneous or scheduled recording to your hard disk a breeze. With your new Pinnacle product, you have immediate access to the latest news using teletext. In addition, an Electronic Program Guide (EPG) gives you an overview of a complete range of television programs. Scheduling your recordings is also quick and easy.

You also have the option of listening to radio at any time and recording your favorite broadcasts quickly and easily. In addition, your Pinnacle product lets you receive Internet radio stations.

You can play video, music, and display photo files from your hard disk or from a CD and/or DVD. You can also burn your own CDs or DVDs.

In addition, you can arrange your media files in an intelligent multimedia database so that they can be found quickly. This is done according to various playback criteria based on specific categories (for example, all the movies in a certain genre or all the photos from a particular vacation). Pinnacle MediaCenter gives you simple and targeted access to all your media files.

The Pinnacle MediaCenter also gives you direct access to many different online services thereby opening all the doors to an incredible world of media and information.

Now you can access all of these different media quickly and easily with just one device: your PC. The Pinnacle MediaCenter interface has been especially designed so that all the menu options are very legible even at a distance of several yards. Plus they can be easily navigated with your remote control.

The following components of your new Pinnacle product put all the following functions at your fingertips:



## **Pinnacle MediaManager**

The Pinnacle MediaManager is installed on your PC and is used to import music files, movies, and digital photos into the MediaManager database. You also manage these files and keep them in order in the MediaManager. You can create your own playlists for collecting your favorite music, movies and photos. The media files on your PC can originate from almost anywhere, for example, from the Internet, your own audio CDs or your digital camera.

## **Pinnacle MediaCenter**

The Pinnacle MediaCenter is also installed on your PC and is used for media playback.

You can watch and record TV with the Pinnacle MediaCenter, play back recordings, and display teletext. You can also listen to and record radio broadcasts. Music, movies, and photos from CDs, DVDs or your hard disk are shown in the Pinnacle MediaCenter. You can access the categories created in the Pinnacle MediaManager to display media sorted according to your criteria. This helps you select the medium best suited to your particular mood or for any occasion.

## **Pinnacle Hardware**

If your new Pinnacle product comes with the optional reception device, you can receive TV and radio (optional) and take advantage of, for example, the teletext or timeshift functions.

## **PCTV MediaCenter Remote Control**

With the remote control, you can navigate the on-screen menu from anywhere in your room – without having to bother going back and forth to your computer.

***Now go have fun with your new Pinnacle product!***



## The Contents of Your Package

Before you begin with the installation, check the contents of the package to make sure that they are complete. If any part is missing or damaged, contact your retailer. Keep the packing material in case you have to transport the original parts again in the future.

### Hardware

The hardware included in the box depends on the version of the Pinnacle package you have bought.

### Software

Software designed for Windows XP is found on the CD-ROM included in the box.

### Documentation



**User Manual on CD**



**Hardware operating instructions on CD**



**Remote control  
operating instructions  
on CD**



**Online Help**



Please note that the actual contents of the package may differ from the items shown above depending on which version of the product you bought!



## Online Help

Your Pinnacle product gives you access to Online Help at any time.

If you are searching for a specific topic, select the **Help Topics** function in the **Help** menu or simply press the **F1** key on your keyboard.

## Online Manual

If you have questions about the function and operation of your Pinnacle product, you can consult the online manual in addition to the printed manual. The online manual is installed automatically and can be read directly on-screen.

To open the online manual, you need the free program Adobe Acrobat Reader.

To start the online manual, do the following:

- Use your mouse to click and open the **Windows Start** menu.
- Move your mouse over **Programs** to open the Program menu.
- Move your mouse over **Pinnacle MediaCenter** to open the Pinnacle MediaCenter menu.
- Now click Pinnacle MediaCenter.



Any new modifications or supplements that did not make it into the documentation are described in the ReadMe file on the CD-ROM included in the box.



# Pinnacle MediaCenter - System Setup

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## Installing the Hardware

Hardware installation depends on the type of hardware included in the package, for example, whether it is an internal or external device. You will find a detailed description in the corresponding hardware manual on the CD.

## Installing the Software

This section describes how to install the Pinnacle software on your PC. During installation, a program group along with its corresponding subgroups will be created. This is where all the necessary software components will be copied.



As a part of the installation, you will be asked for the serial number. This is located on the CD or the CD case.

- Insert the installation CD in the CD drive of your computer.
- The setup program now either starts automatically or you can start **autorun.exe** in the setup directory on the CD-ROM.
- Now follow the installation instructions displayed on the screen.



During installation, an installation wizard leads you through the Advanced Settings Dialog. This is where you can configure the Pinnacle MediaCenter settings. For more information about this, refer to the chapter "Advanced Settings".

- After installation, you will be prompted to restart your computer. This restart needs to be done in order for your settings to take effect and for the Pinnacle MediaCenter to function properly.



## The tvtv Manager

The Pinnacle MediaCenter gives you convenient access to the services offered by the EPG provider **tvvtv**. With the help of the TV listings on the tvvtv pages, you can quickly and easily select the shows you want to record and then import the recording list into the Pinnacle MediaCenter. The shows you have selected are then automatically recorded - without you having to configure the recording any further.

### Opening a User Account

To use this method of recording TV shows, you need to register with tvvtv.

- Click the **Windows Start** menu once.
- Move your mouse to **Programs** to open the Programs menu.
- Move your mouse to the **Pinnacle MediaCenter** to open the menu.
- Click the **tvvtv Manager** option.

A wizard for guiding you through the registration process now appears.

- Select whether you are registering with tvvtv for the first time or you are already a registered user.
- If you are registering for the first time, enter a user name and password in the next dialog window and select one of the services. You will then be forwarded to the tvvtv Web site.

In order to use the tvvtv service, you need to activate your user account on the tvvtv Web site.

- To do this, enter your user name and password.

### Assigning TV Channels

After activating your user account, you can now synchronize the Pinnacle MediaCenter channel list with the tvvtv channel list. This lets you record shows selected on tvvtv with the Pinnacle MediaCenter.

To do this, a two-column channel list appears. On the left are all the channels on your Pinnacle MediaCenter channel list.

- If you click a field on the right part of the channel list, all your tvvtv channels will be displayed in separate window. Now choose the tvvtv channel to be associated with the Pinnacle MediaCenter channel on the same line. This is how you link your Pinnacle MediaCenter channels to the tvvtv channels.



It is now easy for you to select shows as well as keep track of them directly on the [www.tvvtv.de](http://www.tvvtv.de) Web site. All you have to do is import them into the Pinnacle MediaCenter.



## **Scheduled Recording List**

In the next window, all the shows scheduled to be recorded via the tvtv Web site are displayed.



After the tvtv recording list has been imported into the Pinnacle MediaCenter, you can modify the shows scheduled to be recorded in the TV menu under "TV Recorder".



## Advanced Settings

### Advanced Settings Dialog Overview

During the installation of the Pinnacle MediaCenter software, a wizard will lead you through the Advanced Settings Dialog where you can configure all the settings for the individual areas in the Pinnacle MediaCenter.

After installation, you can access the Advanced Settings Dialog at any time by double-clicking the Settings icon in the Pinnacle program group.



Note that the Advanced Settings Dialog can only be operated with your keyboard or your mouse.

On the left side of the window, you see a tree structure for the Advanced Settings dialog that outlines the following areas:

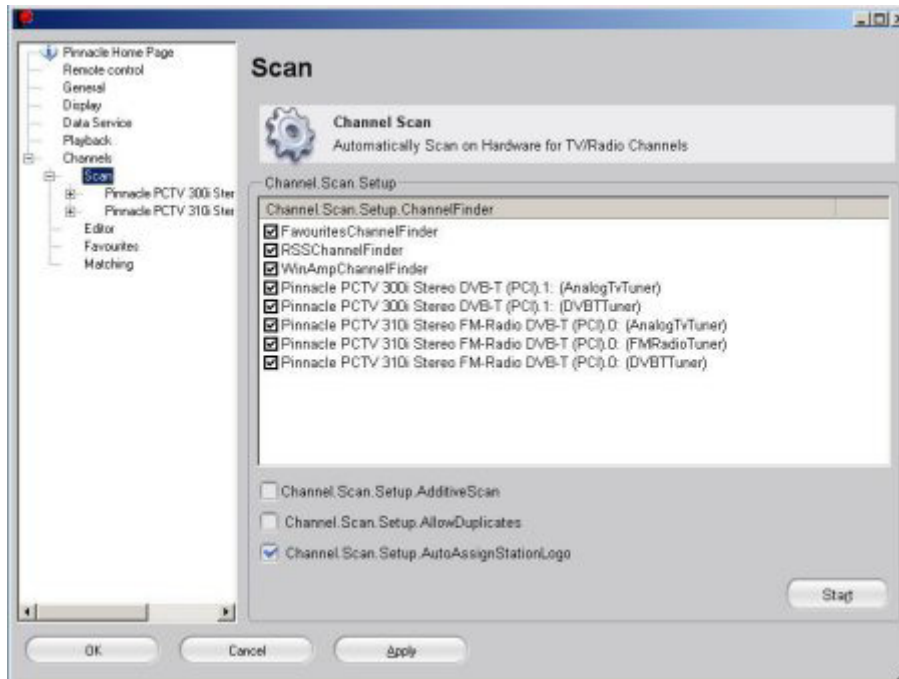
- Channels
- TV hardware
- Remote control
- Playback
- Display
- Data services
- General

When you click an entry, the corresponding menu opens and you can modify the settings for that area.



## Advanced Station Settings Creating a Channel List

To create a new channel list, go to the tree structure on the right side of the window and click **Scan** under **Channels**.



Now you can perform a complete channel scan and use it to create a new channel list.

To do this, select which areas listed in the channel scan setup window should have a channel scan (for example, for DVB-T, analog TV or radio).



Depending on your TV hardware, the settings available may vary.

Furthermore, you can configure the following additional channel scan settings:

### **No duplicate channels**

If a station can be received on more than one channel, you can enter a name in the channel list for each channel this station uses. When you select this option and a station broadcasts on more than one channel, only the station with the best reception is selected.

### **Additive scan**

When you select this option and then perform a channel scan, a new channel list is not generated. Instead, any new channels found are added to the existing list.



### ***Station logo***

When you select this option, a channel is automatically labelled with its corresponding station logo whenever possible.

### ***Hardware settings***

To perform a channel scan using your own hardware settings, click the corresponding hardware name within the tree structure under **Channels - Scan**.

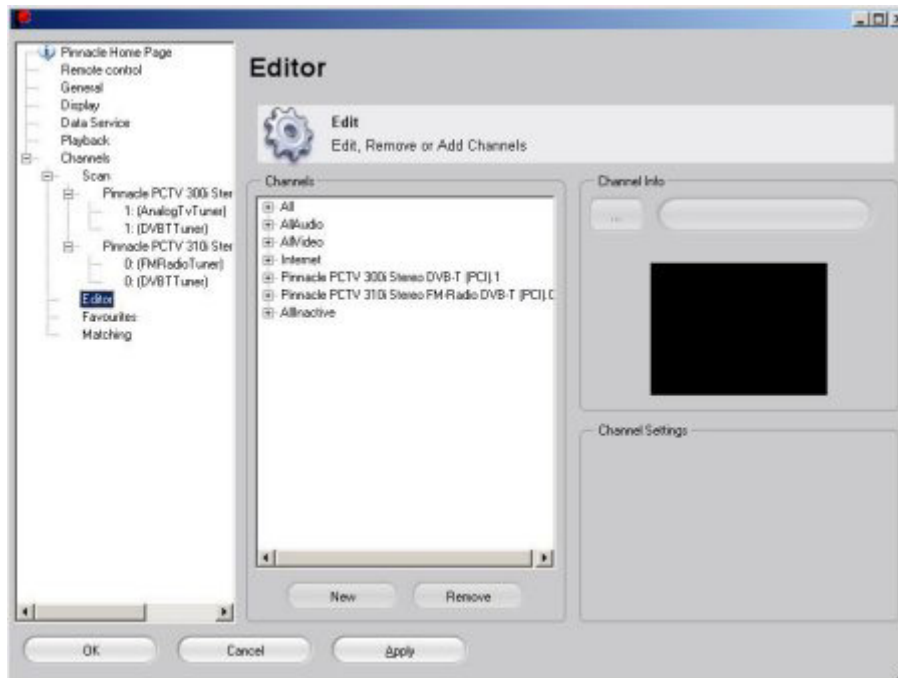
### ***Start Channel Scan***

After you have configured all the required settings, click **Start** to start the channel scan. Click **Stop** to cancel the channel scan at any time.



## Advanced Station Settings Editing a Channel List

After you have performed a channel scan, the menu option **Channel - Editor** offers you various options for editing the current channel list:



### Viewing the Channel List

The channel list is located in the middle section of the window. The items in this list can be sorted according to various criteria:

To list the channels in a specific grouping (for example, **All**, **Hardware**, **Internet**), click that grouping.

### Editing and Deleting a Channel

If you would like to edit a channel in the channel list, select that channel. Now you can, for example, optimize the reception quality, assign a logo to the channel or change the channel name. In addition, you can delete the selected channel from the channel list.

### Adding a Channel

After clicking the **Add** button, a window opens where you can add a new channel to the channel list.



Depending on your TV hardware, the settings available in this menu option may vary.



**Hardware**

In this field, select the hardware installed.

**Channel name**

Here, you can enter the name of the newly added channel.

**Country**

Select the country where you are currently located.

**Satellite**

Choose a satellite from your satellite list in the **TV Hardware** menu option.

**TV standard**

For analog reception, select the TV standard for your area (for example, PAL BG).

**Fine tuning**

Use the fine tuning slider to optimize the reception quality of the new channel if necessary.

**Frequency or channel**

Enter a frequency here (for analog: KHz; for DVB-T: MHz; for DVB-T: GHz) or a station.



If you want to add a DVB-T or DVB-S station to your channel list, additional special settings are necessary. These settings are automatically displayed in the Settings menu.



## Advanced Station Settings Favorites

After you have performed a channel scan, you can create different lists with your favorite channels in the **Channels - Favorites** menu option.



### Creating a Favorites List

To create a new favorites list, click the **New** button and then select channels from the channel list. Add these channels to your favorites list by clicking the arrow buttons or by dragging and dropping the selected channels onto the favorites list.

### Editing a Favorites List

If you would like to modify an already existing favorites list, select that list. Now you can delete channels, add them or change the order of the channels.



## **Advanced TV Hardware Settings**

In the tree structure on the left side of the Settings window under Channels - Scan, you see a list of all the hardware components installed on your system. To configure more exact settings for your TV hardware, click the corresponding entry.



Depending on your TV hardware, the settings available may vary.

### **Audio**

#### **Device**

This is where you select the sound card that you want to use.

#### **Audio input**

Here, select which sound card input should be used for audio playback.

#### **Audio recording input**

This is where you set which sound card input is used for recording audio. Normally, this is the same setting as under **Audio input**.

#### **Volume**

Here, you can enter the default playback volume.

#### **Recording level**

Use the slider in this field to control recording and playback. The default recording and playback levels are shown in the level displays so you can keep track of them.

### **Video**

To fine tune the Pinnacle MediaCenter video or TV picture, use the slider to adjust the **brightness**, **saturation**, **contrast**, and **sharpness** of the color display.

### **Antenna**

If you use an antenna without its own power supply, you can turn on the antenna power supply here.

### **Satellite**

#### **Edit**

In this field, you can remove satellites from the satellite list or add new satellites to the list.



### **Satellite configuration**

For some LNBs, the value of the output intermediate frequency is not set as the default value due to manufacturing tolerances. You can read in this value for brandname LNBs directly and correct them here if necessary.

### **Recording Format (Analog)**

In this field, select the default format for your analog recordings.

The values for compression algorithms, bitrate, and size/resolution for the recording formats VCD, SVCD, DVD Longplay, DVD, and Direct DVD are defined as follows:

- **VCD:** MPEG1, 1.15, 352x288
- **SVCD:** MPEG2, 2.5, 480x576
- **DVD Longplay:** MPEG2, 3.5, 352x576
- **DVD:** MPEG2, 6.0, 720x576
- **Direct DVD:** When you select **Direct DVD**, your recordings are saved directly as a video DVD-compatible stream onto DVD - without time-consuming caching on your hard drive.
- Others

### **Recording Format (Digital)**

In this field, select the default format for your digital recordings. For this, configure the following settings:

#### **MPEG program stream**

Here, enter a MPEG program stream.

#### **Transport stream with various audio modes (for example, PMC, AC3) and VBI (for example, EPG, subtitles)**

Select a transport stream in this field.

#### **Save as "DVD ready"**

Select whether you would like your recordings to be ready to burn onto a DVD at any time.

#### **Record entire transponder**

At this point, you can decide whether you would like to record the entire transponder.

#### **Recording multiple programs from the transponder**

In this field, select whether you would like to record more than one program from the transponder.



***Making and saving recordings compatible with the MS player***

In this field, select whether your recording should be compatible with the MS player.

***USB Port***

This field displays which USB port your TV hardware is connected to.

***Hardware Number***

Here, the serial number and the SAP number of your hardware is displayed.

***MAC Address***

This field contains the MAC address.



## Advanced Remote Control Settings



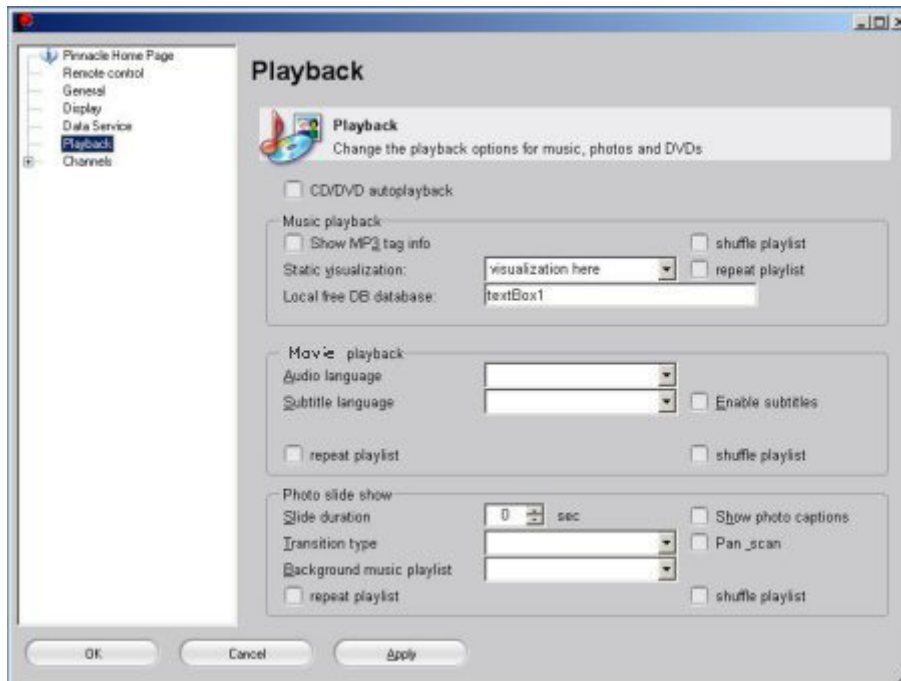
Here, you can select the type of remote control you received in the package. In this menu, you can also configure the remote control receiver and check how your remote control functions.



You will find more detailed information about this in the remote control instructions that are included on the CD.



## Advanced Playback Settings



In this menu option, you can configure the settings for playing back movies and music and for displaying photos.

### ***CD/DVD autoplayback***

Select this option to allow a CD/DVD to start playing automatically when you put it in your CD-ROM/DVD drive.

### ***Music Playback***

#### ***Static visualization***

Here, you can choose between various visualizations that can be displayed on your screen while you listen to music.

#### ***Repeat playlist***

In this field, you can set the default repeat mode to on or off.

When repeat mode is on, all the titles in the selected category (for example, the playlist or album) are played repeatedly.

You can activate or deactivate repeat mode for the current playback at any time in the Music menu.

#### ***Shuffle playlist***

In this field, you can set the default shuffle mode to on or off.

When the shuffle mode is on, all the titles in the category you selected (for example, in the playlist or genre) are played in random order.

You can activate or deactivate shuffle mode at any time in the Music menu.



### **Show MP3 tag info**

Activate this option display different types of information during MP3 playback, for example, artist and song.

### **Local free DB database**

Here, you can enter the path of your music database.

### **Movie Playback**

#### **Audio language**

Here, you can set the default language for the soundtrack on your DVDs.

#### **Subtitle language**

Here, you can set the default language for the subtitles on your DVDs.

#### **Enable subtitles**

When you select this option, subtitles are displayed by default when you play your DVDs.

#### **Shuffle playlist**

In this field, you can set the default shuffle mode to on or off.

When shuffle mode is on, all the movies in the category you selected (for example, in the playlist) are played back in random order. You can activate or deactivate shuffle mode at any time in the Movie menu.

#### **Repeat playlist**

In this field, you can set the default repeat mode to on or off.

When repeat mode is on, all the movies in the category you selected (for example, in the playlist) are played back repeatedly. You can activate or deactivate repeat mode at any time in the Movie menu.

### **Photo Slide Show**

#### **Slide duration**

In this field, you can enter the maximum length of time in seconds a photo should be displayed during a slideshow.

#### **Transition type**

Use this option to add transitions between the individual photos in a slideshow.

#### **Background music playlist**

If you would like to enhance your slideshow with a bit of background music, select the music you want from this menu option.



### **Show photo captions**

Activate this option to display the name of the current photo while displaying a group of photos.

### **Pan\_scan**

To make the presentation of your photos more exciting, activate this option to place a **pan and scan** filter over your photos. Now, when you view a slideshow, the window zooms slightly in on the current photo so that only a cutout of the image is visible as the image moves back and forth during the photo presentation.

### **Repeat playlist**

In this field, you can set the default repeat mode to on or off.

When repeat mode is on, all the photos in the selected category (for example, the playlist or album) are played back repeatedly. You can activate or deactivate repeat mode at any time in the Photo menu.

### **Shuffle playlist**

In this field, you can set the default shuffle mode to on or off.

When shuffle mode is on, all the photos in the category you selected (for example, in the playlist or the photo album) are displayed in random order. You can activate or deactivate shuffle mode at any time in the Photo menu.



## Advanced Display Settings



In this menu, you can configure all the display settings:

### ***On Screen Display (OSD)***

Here you can decide whether an OSD display with detailed information about the current TV or radio broadcast, the current music, the movie showing or the current photo should be displayed in the Pinnacle MediaCenter.

When you enable OSDs, they should disappear automatically. If the OSD display does not disappear automatically, you can manually hide it by pressing the **?** or **Details** button on your remote control (depending on the remote control).

### ***Duration***

If On Screen Displays are set to automatically disappear, you can set how long an OSD should be displayed on the screen in this menu option.

### ***Transparency***

Here, you can set the level of transparency for the On Screen Displays in the Pinnacle MediaCenter.

### ***Preferred Output Device***

Select whether your media should be displayed on your computer screen or on your TV screen.



### ***Date - Time Display***

In this field, select the time and date format you prefer.

### ***Preferred Video Aspect Ratio***

Select between the common 4:3 picture size, cinema display 16:9 or another format.

### ***Cropping***

Select this option to suppress any interference patterns on the upper and lower edges of the image.

### ***Video Interlace***

Here, you have the choice between one field, two fields interlaced, and two fields de-interlaced.

### ***Page Switching Effects***

In this field, you can select the type of transition there should be between menus.

### ***Start Size of Video***

This is where you select whether the Pinnacle MediaCenter should appear in full screen or in normal size after starting the program.



## **Advanced Data Services Settings**

In this menu option, you can configure the settings for various data services:

### ***Teletext***

Here, you can change the teletext level.

### ***EPG***

In this field, select an Electronic Program Guide (EPG) provider.

### ***Data Source Configuration***

#### ***Nextview***

Select this field if you would like to receive analog EPG.

#### ***Source***

Select the hardware you want to use for EPG reception.

#### ***Channel selection***

Select the channels for which you want to receive EPG information.

#### ***Channel assignment***

Here, you can compare the channel names in the Pinnacle MediaCenter with the channel names in the EPG information.

#### ***Scheduler set-up***

Here, you can set for which channels and how often EPG information should automatically be received.

#### ***DVB***

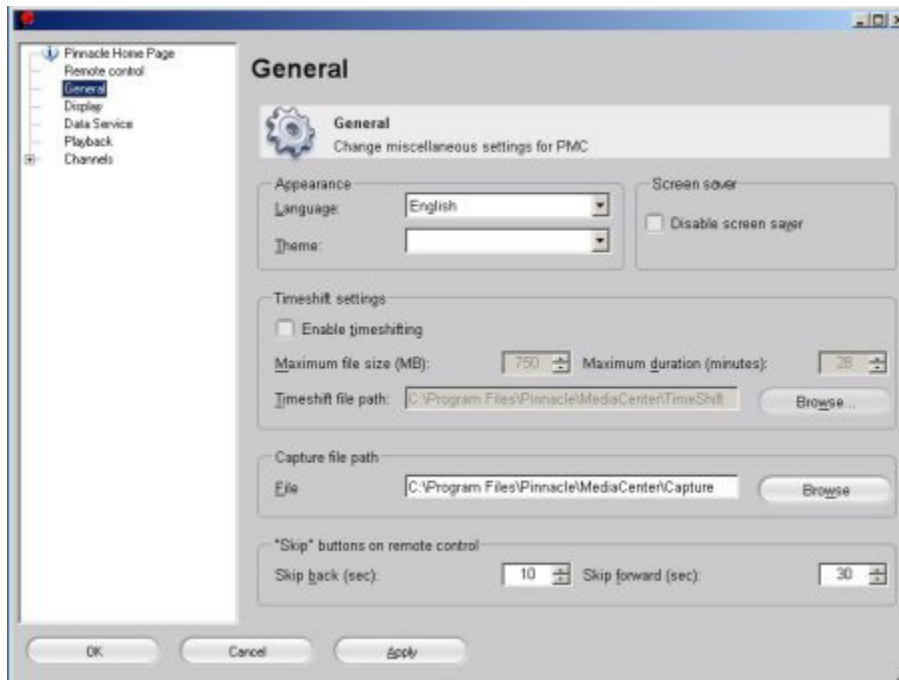
Select the hardware you want for digital EPG reception.

#### ***Schedule Get EPG Data***

Here, you can set for which channels and how often EPG information should be received.



## Advanced General Settings



In this menu option, you can set various general configuration parameters.

### **Language**

In this area, you can change the language settings for the Pinnacle MediaCenter.

### **Theme (Skin)**

You can choose different themes or skins for the Pinnacle MediaCenter here.

### **Screen Saver**

In this section, you can decide whether a screen saver should be displayed for the Pinnacle MediaCenter or not.

### **Capture File Path**

Enter the location on your hard drive where video and audio recordings should be saved.

### **Skip Buttons on the Remote Control**

This is where you can set the time interval for how far pressing the **Skip back/Skip forward** buttons on your remote control should take you during timeshift playback. These buttons are also known as the **Previous Track/Next Track** buttons depending on your remote control.

### **Enable Timeshifting**

Select this option to enable a timeshift recording.



***Timeshift: File Path***

Enter the location on your hard drive where timeshift recordings should be saved.

***Timeshift: Maximum File Size (MB)/ Maximum Duration (Minutes)***

In this field, you can set the maximum available disk space and the maximum duration of your timeshift recordings. Since both of these values are dependent on each other, when you enter one value, the other is automatically recalculated.



If, while recording, the disk space allowed on your hard drive is used up or the set time has been exceeded, the parts already recorded will be overwritten starting from the beginning of the recording.







# Pinnacle MediaManager

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## Overview

### What the Pinnacle MediaManager Does

The Pinnacle MediaManager is installed on your PC so that you can import the following:

- Music files
- Movies and other video files
- Digital photos

You can manage and organize these files in the MediaManager database which is constantly updated.

You can also create personal playlists – compilations of your favorite songs, movies or photos organized according to your own criteria. These playlists can also be exported so that, among other things, you can burn an audio CD.



## Main Window of the Pinnacle MediaManager

You can launch the Pinnacle MediaManager from the Pinnacle program group in the **Start Menu** or by double-clicking the Desktop shortcut. The following window will open:



**The window contains the following sections:**

### Section 1:

The Tools section with the **Import**, **Organize**, **Playlists** and **Export** tabs, located in the upper left-hand corner.

### Section 2:

The **Media Player** in the upper right-hand corner.

### Section 3:

The **Media Library** with the **Music**, **Movies** and **Photos** tabs, located in the bottom half of the window.



### **Menu Bar:**

At the very top of the window is the menu bar, which contains the **File**, **Edit**, **Tools** and **Help** menus.

The window layout varies depending on what tools and lists you have selected; the three sections work together closely and interactively. How the sections work individually is explained in detail in the following chapters.

We will first focus on the Media Library and the Media Player to give you the basic tools you need to use the application.

In later chapters, we will look at the more advanced functions – Import, Organize, Playlists and Export – as well as the menus.



# The Media Library

## Introduction to the Media Library



### Media Types

The Media Library displays the contents of the database sorted by media type. Access each media type by clicking on the corresponding tab:

- **Music** tab
- **Movies** tab
- **Photos** tab

### Categories

For each media type, you can toggle between the categories listed on the left-hand side.

#### Library

Displays all the files in the database.

#### Last imported

Displays the most recently imported files. For example, if you import 3 CDs in a row, you will only see the tracks from the third CD.

#### New Media

All the files imported over the past twenty-four hours.

#### Missing Media

Although the media displayed here exist as entries in the database, the associated files are no longer where they were saved originally. They can no longer be found because they have been either accidentally deleted, moved or renamed. These entries are marked in the left column of the Media Library with the corresponding icon.



The Pinnacle MediaManager automatically looks for missing media at certain time intervals. You can set the time interval via the **File** under **Settings**. If you want to do a manual search, select **Find missing media** from the Shortcut menu or via the **Tools** menu.

You can access the Shortcuts menu by right clicking the entry you want in the Media Library list. From here, you can use the **Repair missing media** function to browse for missing files or you can "repair" broken links by entering the new file location or file name.

### ***Modified Media (applies only to music file)***

If you use a different software program to modify the ID3 tags of your music files, the data no longer corresponds to the values in the Pinnacle Media Manager database. This situation is automatically detected in a way similar to **Missing Media**. The entries are marked in the left column with the corresponding icon.

You can now enter new values for the ID3 tags via the function area **Organize**. Or you can also update the database by reading the values of the modified ID3 tags from the file. To do this, select the entries, right click and then select **Update values from file** in the Shortcut menu.

### ***Highest Rating***

Files given a four or five star rating are displayed here. The rating is assigned either via the Shortcut menu or via the function area **Organize** and displayed using star icons.

### ***Playback Counter***

The Pinnacle MediaManager contains a playback counter, which displays and categorizes media files according to the following categories:

- **Frequently played:**  
The media files displayed are the ones played most frequently by the user.
- **Rarely played:**  
The media files displayed are the ones played least frequently by the user, but have been played at least once.
- **Not yet played:**  
The media displayed are the ones, which have not yet ever been played.

The playback counter can be reset via the Shortcut menu.

Automatic playlists are created and constantly updated for the categories **Highest rating**, **Frequently played**, **Rarely played**, and **Not yet played**.

### ***User-Defined Playlists***

The files in the selected playlist are displayed.



## **Details**

The right-hand list displays details for individual files. These details will vary depending on whether you have selected the Music, Movies or Photos media type tab. These sorting criteria are also called tags.

Depending on which media type you select, you may see the following information: file status, track/movie/photo name, date created, etc.






As in Windows Explorer, you can left-click a column header to resort the files in the list.

You can change the order of the columns by left-clicking the column headers and dragging them to a new location.

Right-clicking a column header will bring up a pop-up menu where you can choose which columns to display and which not.

## **Icons**

The icons in the left column of the Media Library have the following meanings:

-  The file has accidentally been deleted or moved or it can no longer be found because it has been renamed.
-  The original organizational identifiers of the file have been modified.
-  The file originates from the Rhapsody Music Service.
-  The file is currently being played back.
-  The playback of the file is currently on hold.



There are further icons associated with file conversion. They are explained in the section "File Conversion".

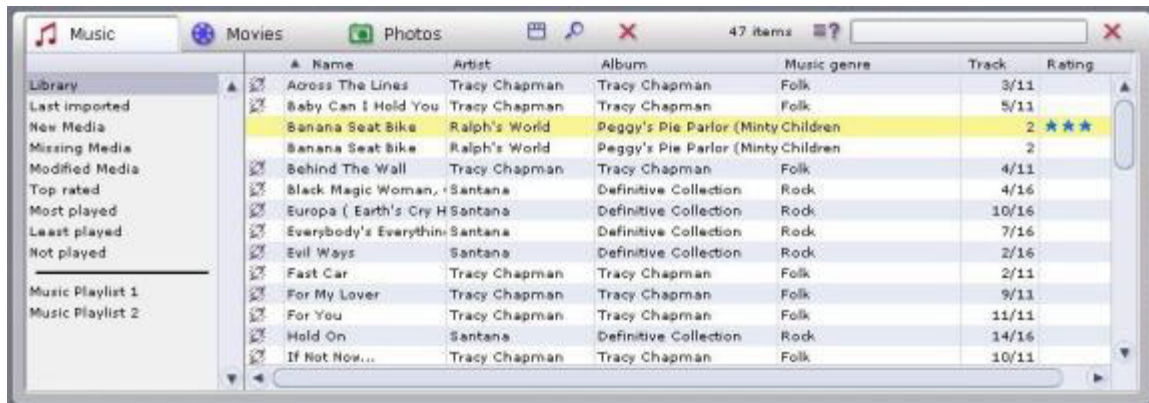
## **Shortcut Menu**

Please note that you only need to right click on a list entry in the Media Library to access the extensive Shortcut menu. Most Media Library functions are available here in order to access them more quickly. Simply select the option you want.

Read the following sections carefully to learn how the Media Library can help you find, sort, and delete your media files.



## The Sort View in the Media Library



You can toggle the sort view on and off by clicking the  button to the right of the tabs.

Clicking this button will split the list horizontally into two new sections.



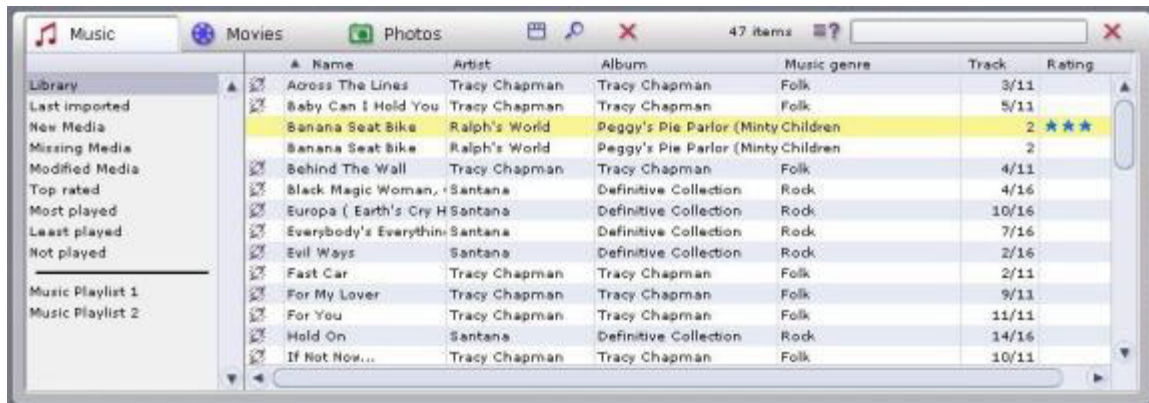
The upper half of the list can be used to sort or filter the media files displayed in the lower half. In other words, in the upper half you set a filter that selects which files can be displayed in the lower half.

Example: You have activated the Music tab and now want to display all the tracks in your database in the Soul genre.

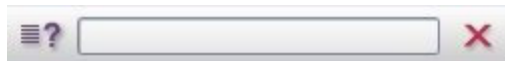
You can open the menu with the  button and determine which columns should be displayed in the sort view. We recommend listing photos, for example, according to date.




## Searching in the Media Library




On the far right-hand side of the Media Library is the search field:



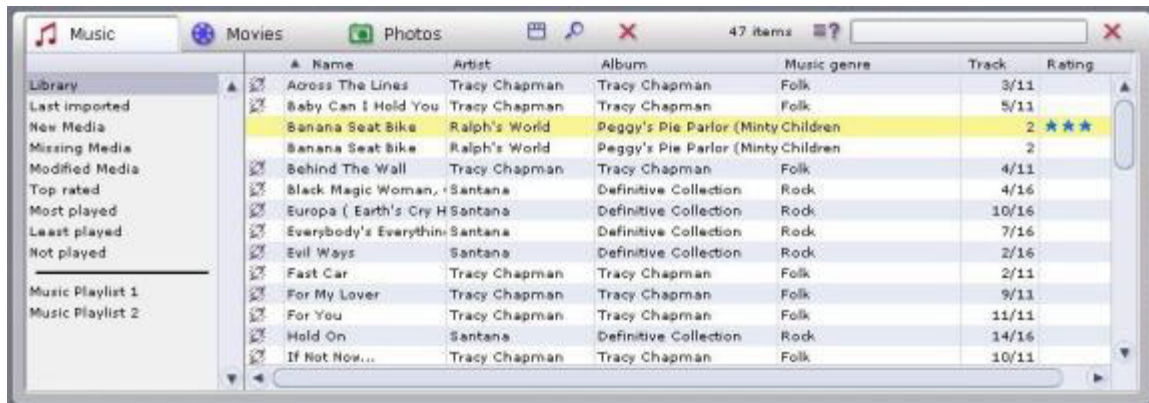
To quickly find a particular media file in the database, just enter any search term in the search field.

You can use the  button to determine whether only certain ranges in the database should be searched, e.g. according to "Name", "Artist" or "Album", or whether the entire database should be searched.


Any files that have names containing the search term will be displayed in the list. To enter a new search term, simply click in the search field and overwrite the old search term, or clear the field by clicking the  button.



## Deleting Files in the Media Library



### Deleting Files

To the right of the tabs is a  button.

Select one or more files in the list and then click this button.

The entries are deleted from the database. The associated media files can also be deleted from the hard disk if you select the corresponding option in the dialog box displayed.

If you want to include the files in the database again, you will have to reimport them.



## The Media Player

### Using the Media Player and Its Controls



The Media Player plays the media files in the database on your PC. Video files and photos are played/displayed on its 16:9 screen. To toggle full-screen playback on your PC monitor, double-click the Media Player screen. Double-click the screen again to revert to the main Pinnacle MediaManager view. Audio files are played back using your sound card and computer speakers. Audio files also require you to use the Media Player controls.



To make them easier to use, all controls have a tooltip field that appears when your mouse pointer is placed over the buttons.

### ***Individual Explanations of Controls:***



#### ***Start/Pause Playback***

Select a file in the Media Library and then double-click it. The movie or the photo will appear on the Media Player screen, and the button will change appearance. Click the button again to stop playback.

In the left column of the Media Library next to each entry, the corresponding icons appear in miniature.





### ***Previous***

Click this button to play back the previous file in the playlist.



### ***Next***

Click this button to play back the next file in the playlist.



### ***Shuffle***

The music, video or photo files will be played/displayed in random order.



### ***Repeat***

If you click this button while a playlist is being played, the list will be played back over and over until you deactivate the feature by clicking the button again.



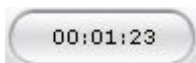
### ***Video Format***

While playing a movie, you can click this button to select the video format (standard 4:3, letterbox or widescreen 16:9. Note that a tooltip field will appear when you place the cursor over this button. The video format you select for a movie will be saved in the database – you won't have to reset it the next time you watch the movie.



### ***Progress Bar***

This slider indicates by its position how much of the current audio or movie file you have heard or seen. You can also move back and forth to anywhere in the file by dragging the slider with your mouse.



### ***Time Display***

This shows you how long the audio or video file has been playing.



### ***Volume Control***

Located on the right-hand side of the screen section, this slider can be dragged up and down with the mouse to set the volume.



### ***Mute***

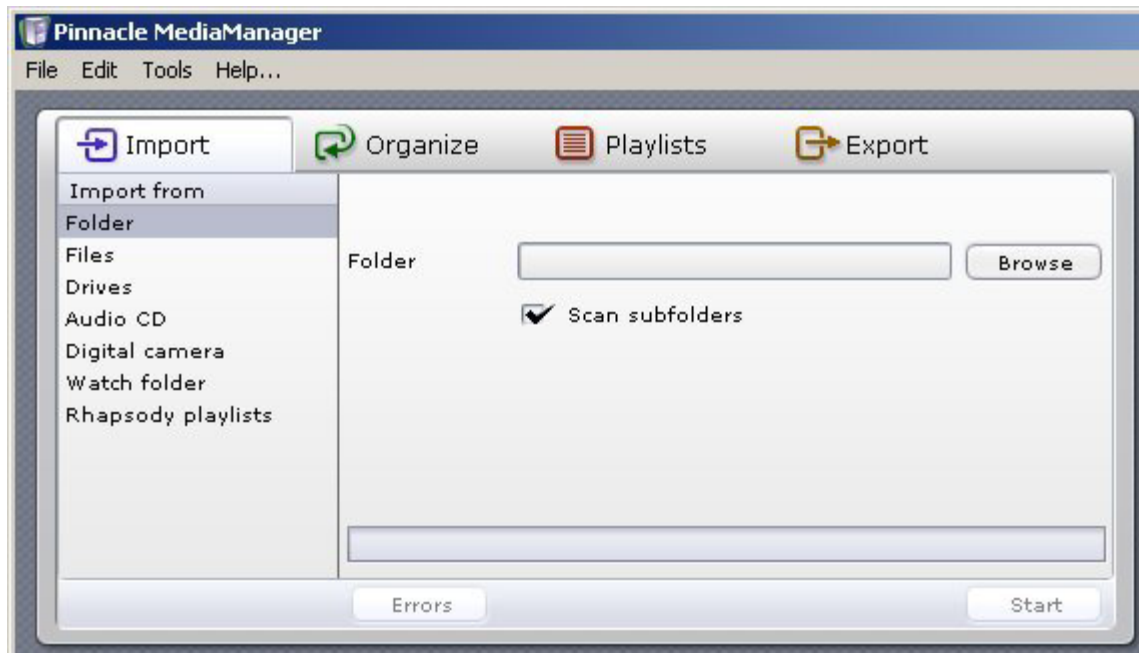
Click this button to turn the sound on and off.



## Importing Media Files

### Introduction to the Import Tab

You will see the following window if you select the **Import** tab in the Tools section:



You can import media files to the MediaManager Database from the following sources:

- **Folder:** From a folder on your PC.
- **Files:** One or more files from a selected folder.
- **Drives:** From any drive on your PC.
- **Audio CD:** From the audio CDs that you wish to archive in the MediaManager Database.
- **Digital camera:** Photos taken with your digital camera.
- **Watch folder:** From a watch folder on your PC.
- **Rhapsody playlists:** Download Rhapsody playlists onto your PC.  
Due to licensing restrictions, this function is not available in every version of the Pinnacle MediaManager.

In the tab for a particular media type in the Media Library, you can see the imported files in the **Last imported** category and in other categories.

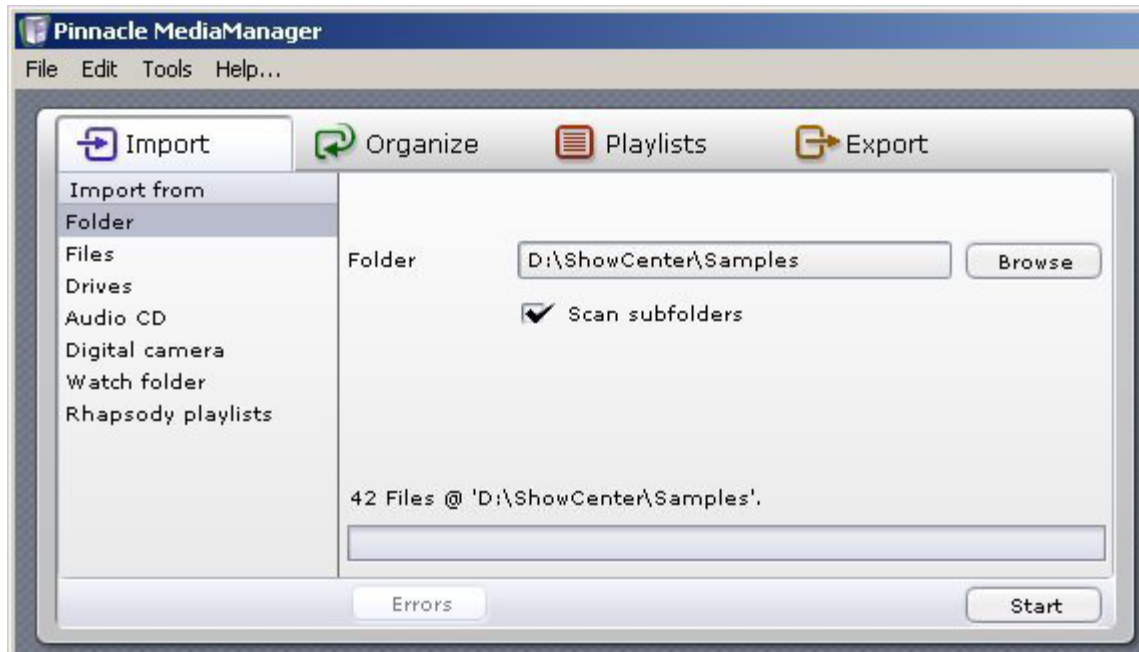
Right-click the list and select the **Display in Explorer** option from the pop-up menu in order to open the folder on your PC hard drive where the files are stored.

The following sections explain the features for the individual categories in more detail.



## Import - Folder

You will see the following window if you select the **Folder** category in the **Import** tab in the Tools section:



### Folder

Click the **Browse** button to select which folder on your computer you want to import media files from. Once you have found the folder, click the **Open** button. The folder and the number of files selected will be displayed above the progress bar.

### Scan Subfolders

If you activate this checkbox, the application will import any files it finds in the subfolders.

If you are importing photos, the names of the subfolders will also be imported as photoalbum names.

Movie titles act as names for collections. If a movie consists of several files, these files will be grouped together in a collection.

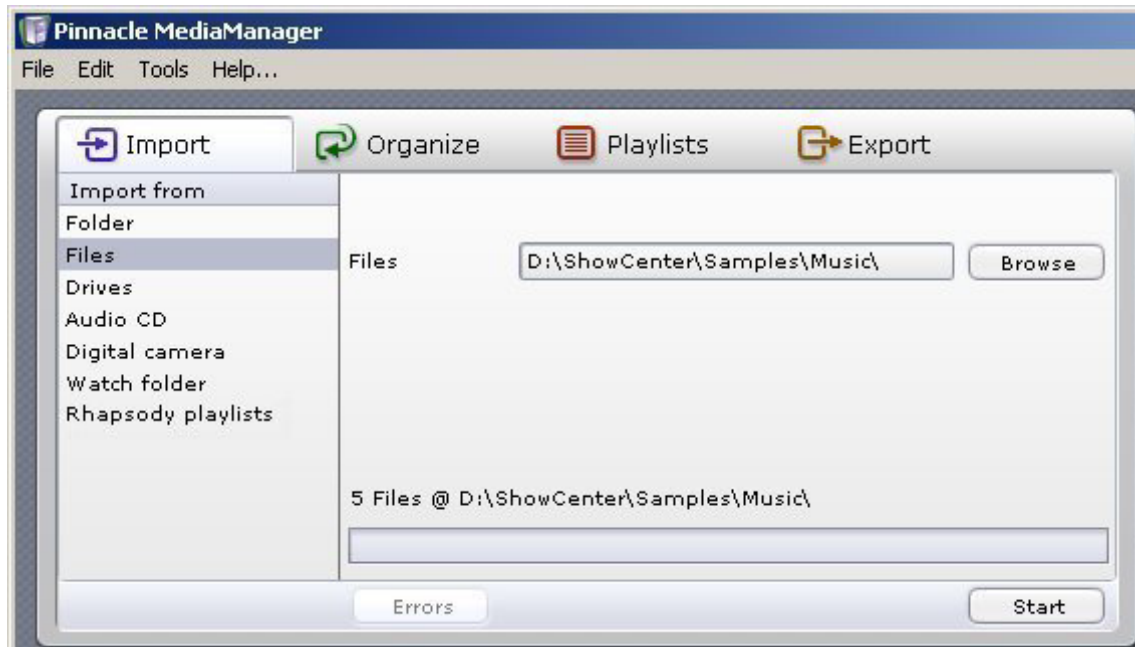
### Start

When you are finished with your settings, click the **Start** button. The progress bar will display 100% when the import is complete. You will also be told how many files were imported and how many, if any, were rejected because their format wasn't supported or they were already listed in the database. All imported files will be displayed in the Media Library in the bottom half of the window, listed by media type and category.



## Import - Files

You will see the following window if you select the **Files** category under the **Import** tab in the Tools section:



### Files

Click the **Browse** button to select which file(s) you want to import to the database from a folder on your hard drive. Once you have selected the files, click the **Open** button. The folder and the number of files selected will be displayed above the progress bar.

### Start

When you have made your selection, click the **Start** button.

The progress bar will display 100% when the import is complete. You will also be told how many files were imported and how many, if any, were rejected because their format was not supported or they were already listed in the database.

All imported files will be displayed in the Media Library in the bottom half of the window, listed by media type and category.

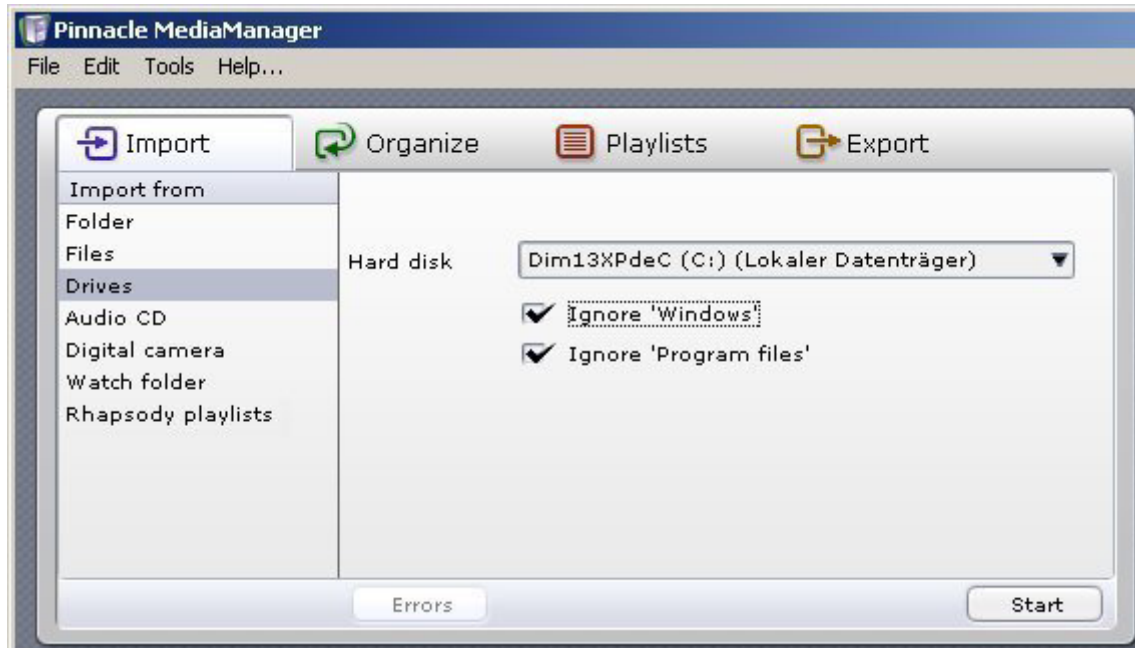


Playlists from other programs can also be imported by using this function (M3U format).



## Import - Drives

You will see the following window if you select the **Files** category under the **Import** tab in the Tools section:



### Hard Disk

In the drop-down list, select the hard drive on your computer that you wish to import media files from.

### Ignore 'Windows' and Ignore 'Program Files'

If you have activated these checkboxes, the application will not scan the Windows and/or Program Files folders. This is generally a good idea because these folders generally do not contain any noteworthy media files.

If you are importing photos, the names of the subfolders will also be imported as photoalbum names.

Movie titles act as names for collections. If a movie consists of several files, these files will be grouped together in a collection.

### Start

When you are finished with your settings, click the **Start** button.

You will be told how many files were imported and how many, if any, were rejected because their format wasn't supported or they were already listed in the database.

All imported files will be displayed in the Media Library in the bottom half of the window, listed by media type and category.



## Import - Audio CD



Due to licensing issues, this function is not available in all versions of the Pinnacle MediaManager.

You will see the following window when you select the **Audio CD** category under the **Import** tab in the Tools section:



This feature allows you to import your audio CDs to the MediaManager Database. The tracks on each CD are read in and separated into individual MP3 files.



You may have problems importing copy-protected audio CDs.

### ***Insert the CD and Select the Drive***

Insert the audio CD in your computer's CD drive. If your computer has several CD or DVD drives, you will have to select the drive from the **Drive** drop-down list.

The application will read in the CD tracks and display them by number in the **Track** column.





## Get Titles



You will need an active internet connection to use this feature.

The names and titles of all known audio CDs are stored in an internet database. The **Get Titles** feature allows you to import this information to the MediaManager Database along with the tracks from the CD. If you click this button, the application will search for the data online and will generally display it immediately as shown below.

If you cannot connect to the internet or if your CD is not listed in the internet database, you can enter the titles as well as artist and album names manually. Just left-click the corresponding fields to enter this information.

You can also play back individual CD tracks by double-clicking the title. The Media Player will display a special image indicating that you are playing back from the CD.





If you look in the **Start** column, you will see a checkbox for each track. Activating these checkboxes allows you to select which tracks you want to import.

Here's a helpful tip: if you want to select all the tracks at once, right-click the **Start** column and choose **Select all** from the pop-up menu.

### **Start**

When you are finished with your settings, click the **Start** button. During the import, each track is assigned its own progress bar.

The progress bar at the bottom will display 100% once all selected titles have been imported.

In the **Music** tab in the **Media Library**, you can see the files imported from your audio CD in the **Last imported** category and in other categories.

Unless you have already defined a folder in the **Preferences** item in the **File menu**, imported audio files will be saved by default to the ...\\My Documents\\My Music folder on your PC's hard drive.



### **Ejecting the CD**

Click this button to eject the CD from the drive.



### **Closing the CD Drive**

You can close the CD drive by clicking this button.



## Import - Digital Camera



At present, only cameras with WIA drivers are supported. Since Windows 2000 does not support WIA, this feature is only available in Windows XP.

You will see the following window when you select the **Digital camera** category under the **Import** tab in the Tools section:



### **Camera**

To import photos to the MediaManager Database directly from a digital camera, select the camera from the **Camera** drop-down list.

If you connected a new camera to your PC while the MediaManager was active, just click the **Refresh** button. It will then appear in the drop-down list.

### **Album**

Enter a name for your album.

### **Delete photos on camera**

Activate this checkbox to have the photo files removed from your camera's memory after being imported.



## **Start**

When you are finished with your settings, click the **Start** button. The progress bar will display 100% when all files have been imported.

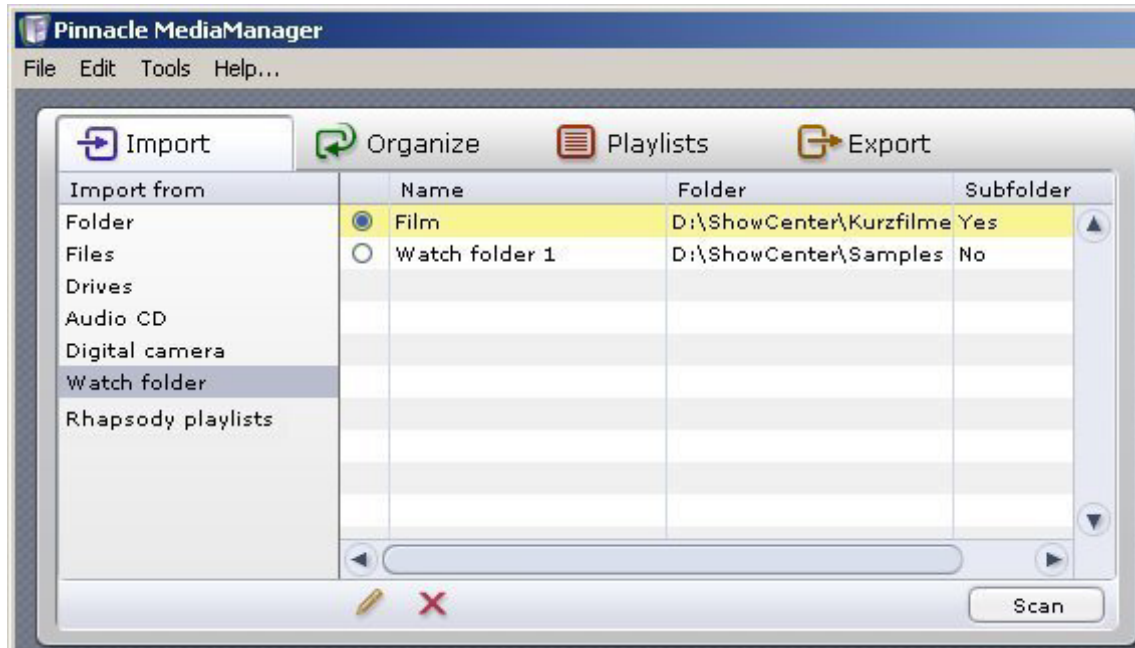
In the **Photos** tab in the Media Library, you can see the imported files in the **Last imported** category and in other categories.

Unless you have already defined a folder in the **Preferences** item in the **File menu**, imported photo files will be saved by default to the ...\\My Documents\\My Pictures folder on your PC's hard drive.



## Import - Watch Folder

You will see the following window when you select the **Watch folder** category under the **Import** tab in the Tools section:



Here you can specify/add any number of directories as watched directories on your PC. The Media Server constantly checks these directories for new or deleted files and records this information to the database – even if the MediaManager is not active. You can designate the watched directories yourself and see them all in the list in the right half of the window.

### **Define/Create New Watch Folder**

Click this button to define/create a new watch folder.

New watch folders start out active by default. To deactivate a watch folder, click the button in the first column of the list.

### **Options for Watch Folders**

If you click the last column in the list of watch folders, a menu will appear where you can select additional options for each watch folder:

#### **Subfolder**

If this option is activated, the server will watch all subfolders as well.

If you are watching folders with photos, the names of the subfolders will be imported as photoalbum names.

Movie titles act as names for collections. If a movie consists of several files, these files will be grouped together in a collection.



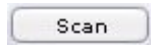


### **Delete Watch Folder**

Click this button to delete a watch folder from the database.



Only the reference to the folder will be deleted from the database; the folder itself will still be stored on your PC's hard drive. To make the folder appear again in the database, you will have to redefine it as a watch folder.



### **Scan Watched Directories Again**

Click on this button to scan all of the watched directories again. This is useful if, for example, the Media Server has been switched off temporarily.



## Import - Rhapsody Playlists



Due to licensing restrictions, this function is not available in every version of the Pinnacle MediaManager.

If you select the category **Rhapsody Playlisten** in the function area under the tab **Import**, the window will be structured as shown below. With the help of this function, you can import Rhapsody playlists into the MediaManager Database. The Real Rhapsody application needs to be active in order for the playlists to be displayed.



In the left column of the list, you see a checkbox for every playlist. Click on the checkbox for any number of playlists you would like to have imported.

### Start

When you are finished setting preferences, click on the **Start** button.

You can now view the imported titles, for example, in the category **Last imported** under the tab **Music** in the **Media Library**.



## Organizing Media Files

### Organizing File Tags

Various organizing tags can be used to manage the three media types (music, movies, photos) in the Pinnacle MediaManager. These organizational criteria serve to rank all files of a specific media type.

Organizing tags are exclusive tags. That means that if a music file has been assigned to the Pop genre, it can't also be assigned to the Classical genre.

#### **Music files**

The original ID3 tags of the imported files are normally used to categorize these files according to name, artist, album, genre, etc.

If a music file is not categorized according to ID3 tags but according to folder and file names, select **Update values using file/directory names** via the Media Library Shortcut menu. Then select a category structure from the dialog displayed. Compare this to the display underneath and click on **OK**.

#### **Movies**

When importing movies, the default categorization criteria for **Genre** is the name of the folder where the movie is found. If the movie is made up of multiple parts, these parts are automatically grouped together into a **collection**. The categorization criteria **Series** is not set by default. You can change this via the **File/Preferences/Import** menu. For example, you can fill the fields **Genre** and **Series** with the names of folders at different levels in the directory hierarchy.

#### **Photos**

If you import photos, the directory name is used as the photoalbum name by default. For the creation date, the date the photo was taken (found in the EXIF tag) is used.



Tip: If your photos do not have access to this date, the creation date is first displayed as <Unknown>. When you select the photos, select "Organize" and click on <Unknown>. Select the function "File date" via the menu to set the creation date of the photo. This is usually the date when you copied the photos to your PC.



## **Customized File Tags (Keywords)**

In addition to the organizing tags, you can also assign customized tags (keywords).

These non-exclusive tags will help you to organize your media files.


### ***Assigning a Keyword - An Example***

You can create the keyword "My Wedding" and assign all wedding-related media files to it. This will make it a snap at some later date to filter out all the files in "My Wedding" from the rest of the files in the Media Library.

### ***Assigning Several Keywords - An Example***

You can assign several keywords to one file. For example, some of the files to which the "My Wedding" keyword has already been assigned can be assigned one or more additional keywords, such as "At the rehearsal dinner", "At the church" or "At the reception".

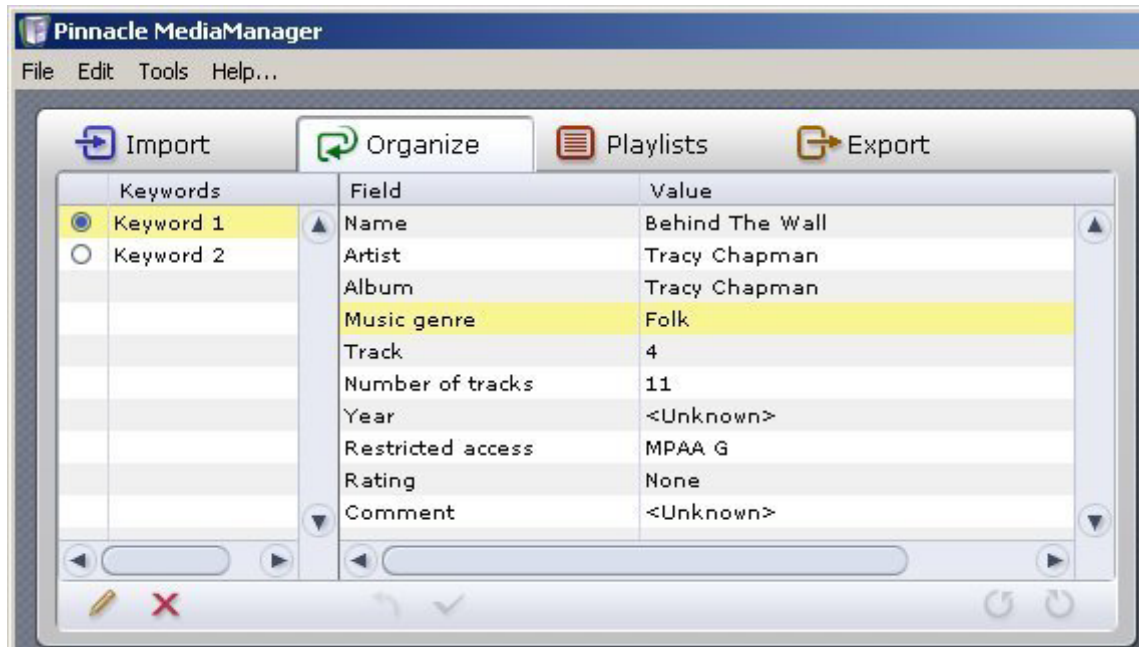
### ***Display Keywords***

This button  lets you open the context menu and switch on the keywords display in the Media Library sort view.



## Introduction to the Organize Tab


You will see the following window when you select the **Organize** tab in the Tools section:




The **Organize** tab helps you to change or add tags for your media files so as to better organize your files.

### Defining a New Keyword

On the left-hand side, you can assign keywords to the media files in the MediaManager Database. You can then use the keywords as search terms in order to find certain files quickly. You can assign several keywords to a single file.

Select one or more files in the Media Library list and click the  button to create a new keyword for the selected files.

### Deleting a Keyword

Select the keyword you want to delete from the database and then click the  button.


### Field and Value - Changing Organizing Tags

Whenever you select an entry in the Media Library list, you will also see the value assigned to each field. By double-clicking, you can access and modify the individual values.

For some organizing tags such as Genre, the application will suggest common terms (Pop, Rock, Classical) even if you haven't imported any files in this category. Just click the entry once to see the suggestions.



For music genres, you have the **Rebuild this list** via the Shortcut menu. If you select this option, unused entries are deleted from the list and only those genres are displayed whose media files are assigned in the database.


Once you are finished modifying the values for an entry in the list, click the  button to have the values written to the database. The changes will be shown accordingly in the Media Library.



Note: changing tags that are associated with metadata (such as MP3 metadata) will cause these changes to be made in the associated file as well.




### **Undo Button**

Click this button to undo previous changes. However, you can only undo changes if you have yet accepted them by clicking the  button.



### **Rotate Clockwise/Counterclockwise (For Photos)**

Selecting a photo from the Media Library will bring it up in the Media Player. You can rotate the photo by clicking on these two buttons.

Next, click the  button to have the new position saved to the database. The new position will be used whenever the photo is displayed on the television.

### **Restricted Access**

You have the option of setting the **Restricted access** value for each media file with the click of a mouse.

According to the setting value, for a particular file this may mean that the correct access code will have to be entered from the menu of the output device before the file can be played on the output device.



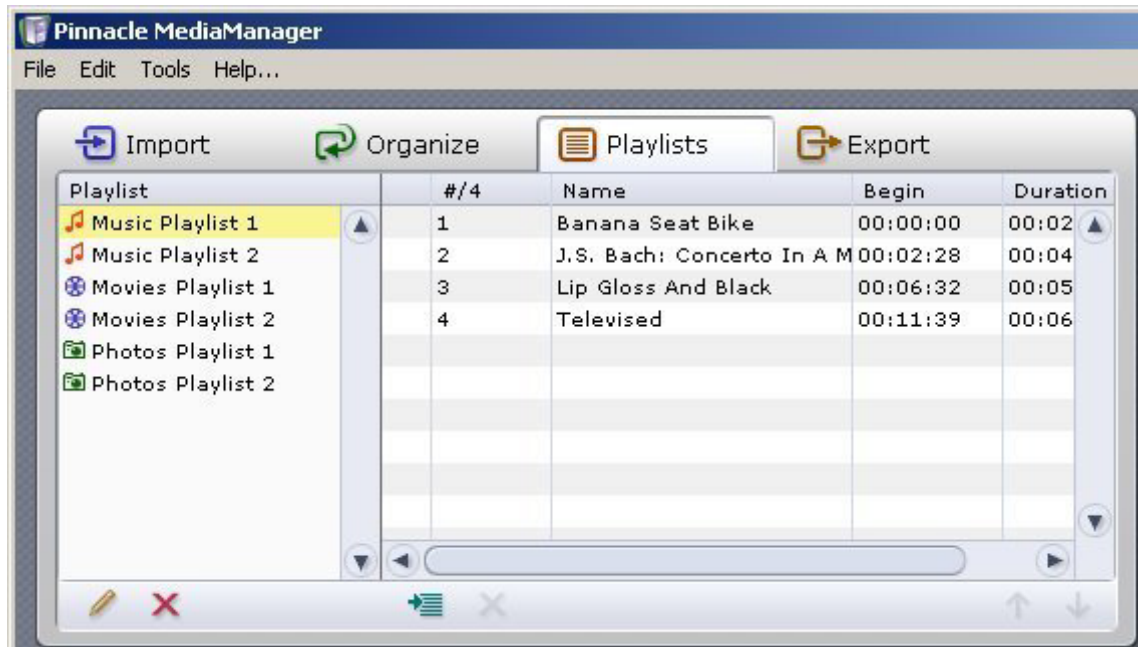
Note: the access code only applies to media playback from the menu of the output device. All files can still be accessed from the MediaManager on your PC.




## Using Playlists

### Introduction to the Playlists Tab

You will see the following window when you select the **Playlists** tab in the Tools section:



This section is where you create personal playlists in which you list your favorite music, movies and photos, organized according to your own criteria.

 Since each playlist can only contain one type of media, you will be creating playlists for music, movies or photos. You cannot mix these different types of media in one playlist.

### **Playlist Catalog**

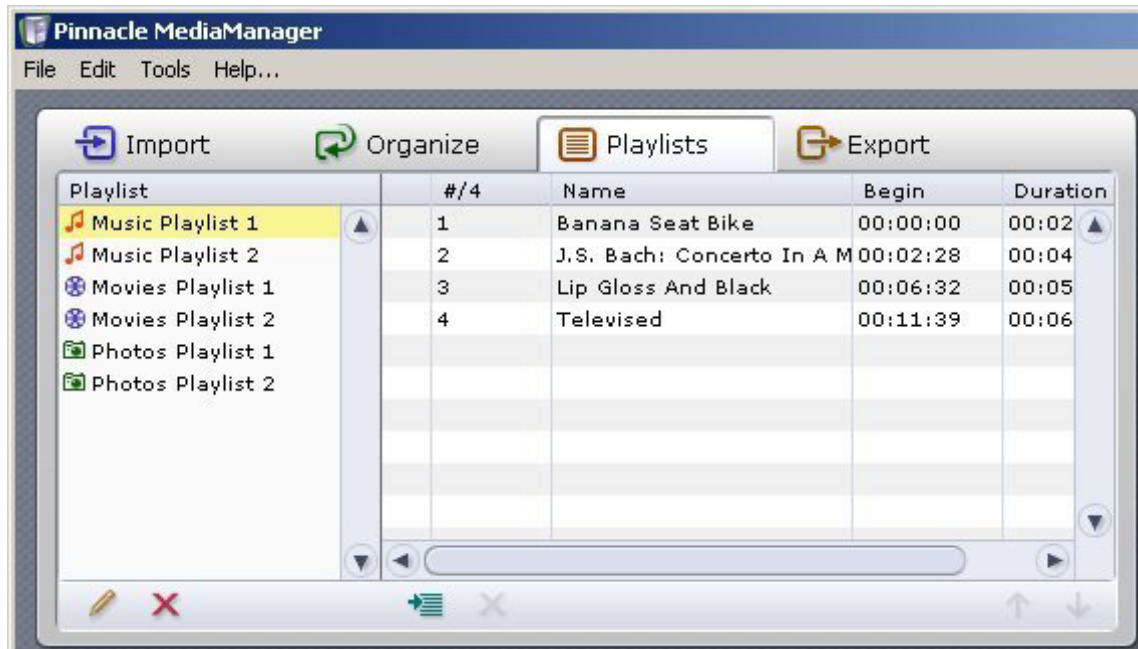
All the playlists are displayed in the left column.

### **Individual Playlist Contents**

The right column displays the contents of the individual playlists. Selecting a playlist in the left column will bring up detailed information in the right column about the media files in the playlist.



## Creating and Editing Playlists



### Creating a New Playlist

Click the button to create a new playlist.

An input field, which is by default called **Playlist**, will appear in the left-hand side of the list. Double-click the field to access it and enter your own name for the new playlist.

Now it's time to put together the media files you want in this playlist. Select one or more files from the Media Library in the database and drag them up to the right-hand section.

If you do not want to drag with the mouse, you can use the button instead.

### Organizing Items in a Playlist

Select the file you want to move within the playlist and drag it to its new position. Or, if you prefer, you can use the two and buttons instead.

### Deleting Playlists or Items

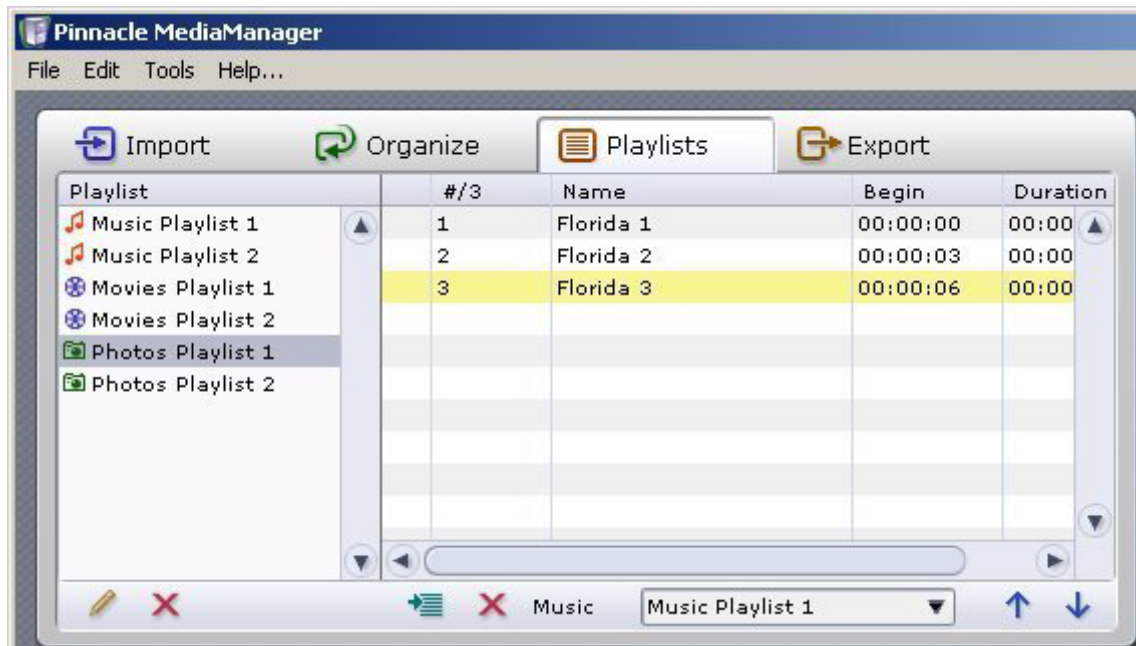
If you want to delete a playlist or remove a file from the playlist, just select it and then click the button.



## Slideshows

There are two extra things to do when creating photo playlists ("slideshows"):

1. Click the last column for a given entry in order to specify the display time for a photo. If you select **manual**, the slideshow will not automatically continue after that particular photo. To change the display time for all photos at once, first right-click and choose **Select all** from the menu. Then, left-click on the display time for any entry in order to set the time for all photos.
2. If you want to play background music during a slideshow then select an appropriate music playlist from the drop-down list. This list will be played to your photos on the output device.



## Playback in the Media Player

Double-click an entry in the playlist to play it back with the Media Player. Once that particular item is finished, the application will automatically move on the next entry in the playlist. You can also use the **Next**, **Previous**, **Shuffle**, and **Repeat** functions in the Media Player. When playing back a slideshow, the Media Player will only display the photos; it will not play any selected music playlist.



## Exporting Media Files

### Introduction to the Export Tab

You will see the following window when you select the **Export** tab in the Tools section:



In this section, you can export copies of media files from your MediaManager playlists to a:

- New folder on your hard drive
- M3U playlist
- CD burner or DVD burner

The following sections explain the features for the individual categories in more detail.



## Exporting to a Folder

You will see the following window when you select the **Folder** category under the **Export** tab in the Tools section:



In this section, you can export the items in a playlist to a new folder on your hard drive. The export will create copies of the media files.

### **Playlist**

Select a playlist from the drop-down menu.

### **Folder**

Use the **Browse** button to the right to select the folder you want the playlist to be exported to.

### **Create subfolders**

Activate this checkbox to have subfolders created based on the sort criteria of the original files (e.g., artist, album, photo album).

If a particular file does not have all the tags, this option will create a subfolder called **Unknown**.



Note: this option is not active when you export video playlists.



### **Create M3U playlist**

If this checkbox is activated, you will both export the selected playlist to a folder and create an M3U-compatible playlist.

### **Start**

When you are finished with your settings, click the **Start** button. The progress bar will display 100% once all the files have been exported. You will also be told how many files were exported.



## Exporting to an M3U Playlist

You will see the following window when you select the **Playlist** category under the **Export** tab in the Tools section:



In this section, you can export a MediaManager playlist to an M3U playlist. The playlist will contain references to the actual location where your media files are stored.

### **Playlist**

Select the playlist you want to export from the drop-down menu.

### **File**

Use the **Browse** button to the right to select the file you want exported to the selected playlist. Then enter the name you want to give to the file.

### **Start**

When you are finished with your settings, click the **Start** button.



## Exporting to a Burner

You will see the following window when you select the **Burner** category under the **Export** tab in the Tools section:



In this section, you can export a playlist to burn to CD or DVD.

### **Playlist**

Select the playlist you want to export from the drop-down menu.

### **Disc type**

The choice of output formats will depend on what kind of media files are in the playlist. Select a format from the drop-down list.

### **Music**

**Audio CD:** You want to burn an audio CD that you can play on your stereo system or in your car's CD player. Any MP3 files will be automatically decoded.

**MP3 Data CD/DVD:** You want to burn MP3 files to a CD or a DVD. All tracks in the playlist will have to be converted to the MP3 format.

**Data CD/DVD:** You want to burn original music files (MP3, WMA or WAV) to a CD. Any converted versions will not be used.

### **Movies**

Depending on what format the media files are in and whether converted copies are available, you will be given the option of burning a VCD (VideoCD), SVCD (SuperVideoCD) or DVD. You can always select a **data CD/DVD**, which will



burn the media files in their original format.

You cannot start the burning process if the file(s) is (are) too long for a CD or DVD.

### **Photos**

Photos are always burned as original media files to a data CD/DVD.

### **Recorder**

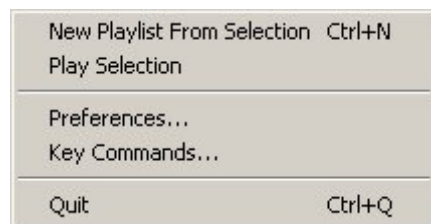
Select the burner you wish to use and click **Start**. The progress bar will display 100% when the burning process is complete.



The CD/DVD burner in the Pinnacle MediaManager is optimized for fast, easy burning. It cannot create DVD menus nor can it spread long files/playlists over several discs. If you need more sophisticated burning features, we recommend using Pinnacle INSTANT CD/DVD.

## **The Menus**

### **The File Menu**



### ***The File Menu Contains the Following Options:***

#### ***New Playlist From Selection***

If you have selected one or more files in the Media Library and then choose this option, the selected files will be used to create a new playlist.

On the left-hand side of the Media Library, you will see an input field with a default name where you can enter your own name for the new playlist.

For more information, consult the **Creating and Editing Playlists** section.

#### ***Play Selection***

Select one or more files from the Media Library and choose this option. The selection will now be played back / displayed in the Media Player.



## **Preferences**

Choosing this menu item will bring up a dialog box where you can make all your settings for the Pinnacle MediaManager:

### **Audio CD Import**

- Format (quality and bitrate)
- Speed

### **General**

- Language
- Data conversion settings
- Skin settings
- Specify the access code (PIN) for restricted file access
- Define folders for audio, video and image files and for temporary files

### **Playback**

- Playback settings: device and memory buffer

### **Key Commands**

Choosing this menu item will bring up a dialog box where you can create, edit and delete customized key commands and macros.

### **Quit**

Choose this option to exit the Pinnacle MediaManager.



## The Edit Menu

Cut	Ctrl+X
Copy	Ctrl+C
Paste	Ctrl+V
Delete	Backspace
Select All	Ctrl+A
Select None	Ctrl+Shift+A
Select Invert	
Browse	Ctrl+B

### ***The Edit Menu Contains the Following Options:***

#### ***Cut***

Select the text you want to move and click **Cut** in the menu. Then, click the location where you want to paste the text and click **Paste** in the menu. The text will be removed from its original location and inserted at the new location.

#### ***Copy***

Select the text you want to copy and click **Copy** in the menu. Then, click the location where you want to paste the text and click **Paste** in the menu. The text will remain at its current location and will also be inserted at the new location.

#### ***Paste***

This command allows you to paste text at one location that you have cut or copied from another location using the Cut or Copy commands.

#### ***Delete***

Select the files and then choose this option from the menu in order to permanently remove the files.

#### ***Select All***

This option allows you to simultaneously select all the files in an active area (e.g., the Media Library list).

#### ***Select None***

This option allows you to undo the selection for files in an active area (e.g., the Media Library list).



### **Select Invert**

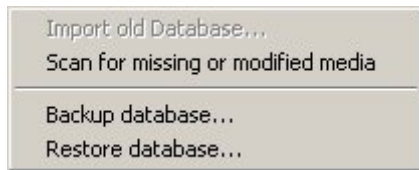
This option allows you to simultaneously select all the files in an active area (e.g., the Media Library list), or to undo an existing selection.

### **Browse**

This option brings you to the Media Library sort view. There is a separate, more detailed section in the manual for this feature.



## The Tools Menu



***In the Tools menu, you have the following options:***

### ***Import old database***

With this function, you can import a database created with version 1.5 or older of the ShowCenter application

### ***Find missing/modified media***

To do a manual search for missing or modified media in the database, select this option. The search runs in the background and can take several minutes. The missing and modified media are then marked in the left column with their own icons.

### ***Save database***

With of this function, you can save an existing database. Select the option and then indicate the desired target directory and file name. This procedure saves an XML file. You can also generate more than one XML file, for example, at different intervals.

### ***Restore database***

This function is used to restore a saved database. The Pinnacle MediaManger automatically chooses the correct target directory in order to make the previously saved XML files available again. The selected file is then loaded into the database so that the media files in the Media Library are visible again.



# Real Rhapsody Music Service

## Real Rhapsody Music Service - Overview



The Rhapsody Service is currently not available in all areas. Check [www.rhapsody.com](http://www.rhapsody.com) for current information as to whether Rhapsody is available in your country.

The Rhapsody Music Service from RealNetworks gives you unlimited access to one of the largest legal music databases in the internet. Choose from over 700,000 titles for your playlists and put your own radio stations together.

Used with the ShowCenter, you can now also listen to Rhapsody music in the comfort of your own living room. Pinnacle MediaManager automatically imports all the titles and radio stations in your Rhapsody Library and even lets you combine Rhapsody music with other titles to create new playlists.



Due to licensing restrictions, not every version of the Pinnacle MediaManager supports the Rhapsody Music Service.

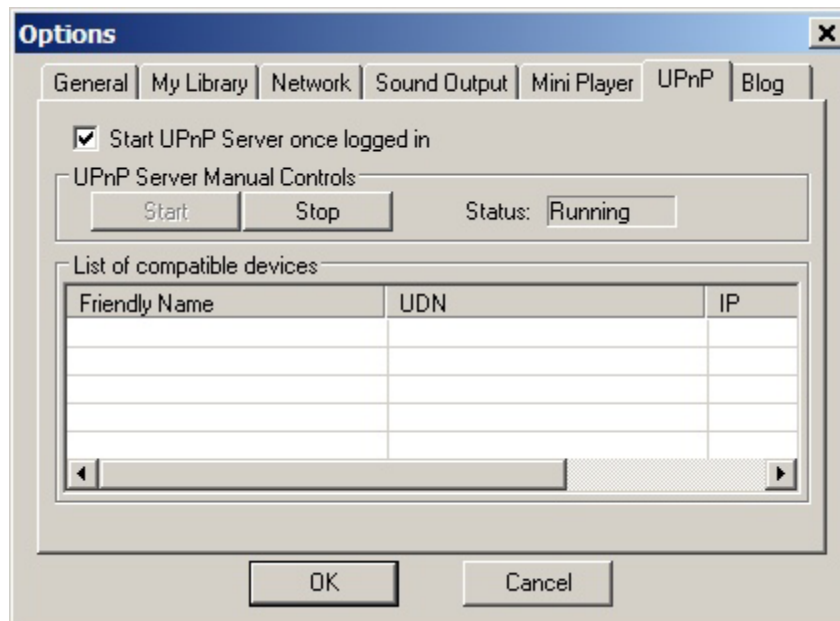
### ***Installation and Registration***

To use the music service, you need the Rhapsody application, as well as a subscription - you can get both at [www.rhapsody.com](http://www.rhapsody.com). Download the Rhapsody application and install it on the same PC where the ShowCenter software is also installed

### ***Configuring the Rhapsody application***

After starting up and registering the program, open the **Options** menu and select **User Settings...** . In the dialog window, click on the tab **UPnP** and activate the checkbox **Start UPnP Server once logged on**. Then click on **Start** to start the UPnP server.





Now you can fill the Rhapsody application library with the music of your choice, as well as select radio stations and even configure the application yourself.

### ***Rhapsody music and the Pinnacle MediaManager***

All the titles and albums in the Rhapsody Library are automatically imported into the Pinnacle MediaManager Media Library and are available as music under the genre **Rhapsody**. This synchronization is also done when the Pinnacle MediaManager is closed.

You can modify the synchronization settings or deactivate the synchronization process via **File/Preferences/Rhapsody**. Note that the synchronization of a large library can last several minutes.

In the Pinnacle MediaManager, Rhapsody titles are marked with their own icon. You can create playlists of Rhapsody titles, as well as mixed playlists of Rhapsody music together with, for example, MP3 titles.

All the playlists created with the Rhapsody application are displayed and can be imported into the Pinnacle MediaManager, via **Import/Rhapsody playlists**. Older playlists with the same name are not overwritten.



Due to licensing restrictions, the playback of Rhapsody titles via the Pinnacle MediaManager on a PC is currently not possible.



### ***Rhapsody music and the ShowCenter Player***

Just like other music, Rhapsody titles are displayed in the TV menu **Music** in the ShowCenter Player. However, Rhapsody titles are marked with their own icon. Note that it can take several minutes until newly added music is displayed in the ShowCenter Player.

Radio stations in the Rhapsody Library are automatically made available via **Music/Internet Radio/Rhapsody Radio**.



You can play back Rhapsody music via the ShowCenter Player only if the Rhapsody application has already been started and you have logged on.



## File Formats

### Supported File Formats

#### ***Supported Audio File Formats***

- MP3
- WAV
- WMA

#### ***Supported Video File Formats***

- MPEG 1
- MPEG 2 (including VOB files)
- MPEG 4 AVI (Versions 3, 4, 5) [simple profile]
- XviD AVI [simple profile]
- DV AVI
- WMV

#### ***Supported Photo Formats***

- JPG
- PNG
- GIF
- BMP



## Converting Files

The Pinnacle MediaManager can convert **media into other formats**. For example, you can convert an MPEG 2 movie file into the MPEG 1 VCD format for burning onto a CD.

If you use the Pinnacle ShowCenter, this file conversion function is useful for formats, which you cannot directly play back via the ShowCenter Player such as, for example, DV-AVI video clips.

During conversion, a copy of the media is created, while the original file remains unchanged. You can define where to save this copy in the **File/Preferences** menu of the Pinnacle MediaManager. Here you can also configure an automatic media conversion, as well as keep track of the current status of running conversions.

In order to convert a media file, select it in the Media Library, right click and then select the format you want via the Shortcut menu **Convert/Convert to**. You can initiate conversions for more than one medium at a time. These conversions are then queued and processed one after the other. Conversion runs in the background and keeps going, even if you close the Pinnacle MediaManager.

## File Status

For each media type, the **Media Library** displays details on individual files in the **list to the right**. The **first column** shows the **file state**, which describes the file's **conversion status**.





**Any file in a given category can have one of the following file states (indicated by the icon):**



The file needs to be converted before it can be played back.



The file can be found in the conversion queue.



The file is currently being converted.



The conversion of this file is completed.

### ***Conversion Options***

**Right-click** a file in the list to bring up the **pop-up menu**, where you can choose among the following options:

#### ***Convert to***

The selected file will be converted. You can choose between the following movie formats:

##### **VCD (VideoCD)**

The video is compressed using MPEG 1 to one-fourth of its original image size (352x240 or 288). The data rate is 1.15 Mbps in total. That means that one CD (650 MB) can hold a little over an hour's worth of video and audio. While the video quality is rather poor, VCDs can be played back in most DVD players.

##### **SVCD (SuperVideoCD)**

The video is compressed using MPEG 2 with full vertical resolution and 2/3 horizontal resolution. The data rate is 2.5 Mbps and one CD can only hold a little less than a half an hour's worth of video and audio. The video quality is much better than on a VCD, but only some DVD players accept the SVCD format.

##### **DVD LongPlay**

The video is compressed using MPEG 2 with full vertical resolution and 1/2 horizontal resolution. The data rate is 3.5 Mbps, which makes for very good-quality video. DVD LongPlay can be burned to DVDs and is accepted by virtually all DVD players. It is also an excellent format for converting high-data-rate video to a low enough data rate to be able to play it back over a wireless network.



## **DVD**

The video is compressed using MPEG 2 with full resolution. The data rate is 6 Mbps, which may produce excellent-quality video, but it is too high to be transmitted over a wireless network. Converting to DVD format only really makes sense for wired 100-Mbps networks or for burning a DVD that essentially all DVD players can read.

The audio is always compressed using the MPEG 1 layer 2 format (stereo).

## **Delete converted files**

With of this function, you can delete the converted files. The original files remain unchanged.

## **Cancel conversion**

A planned or already running conversion is cancelled. The original file remains unchanged.



# Pinnacle MediaCenter

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## Pinnacle MediaCenter Functions

The Pinnacle MediaCenter offers you the extensive and diverse functions of a modern multi-media program. Its convenient and easy-to-use displays let you enjoy a wide variety of media such as television, radio, music, movies, photos, and lets you access a broad range of products offered by various online services:

- In the **TV** area, you can keep track of the current TV schedule and the shows you have recorded not only directly on your PC, but also from the comfort of your armchair or sofa thanks to the full screen mode and the remote control included. In addition, you can use the teletext function and the Electronic Program Guide (EPG) to get quick and comprehensive information about the TV schedule as well as all the latest news.

Want to record a TV show? With a simple push of a button, you can start recording the current TV program at any time. Use the EPG function to quickly and simply program your machine to record upcoming shows. You won't have to miss any of your favorite TV programs again.

Even annoying interruptions while watching TV are no longer a bother because you can delay watching a program by using the timeshift function.

- In the **Radio** area, you can receive every available FM radio station. You can also create radio playlists in the "Advanced Settings" so that you can receive a radio station assigned to a certain category at any time. Recording FM radio broadcasts is quick and easy with the Pinnacle MediaCenter - either press a button to record the current program immediately or schedule an upcoming radio program for later enjoyment.

In addition, the Pinnacle MediaCenter lets you receive Internet radio.

- In the **Movies** area, you can view movies from a CD/DVD or from your hard disk - all this using the remote control from the comfort of your sofa. No need to get up and fiddle with the PC. If you have previously categorized your movies in the Pinnacle MediaManager, you can easily access these categories and select movies according to certain criteria
- In the **Music** area, you can access CDs or files created in the Pinnacle MediaManager. Play back your music according to any criteria you set (for example, according to music genre or artist) and select just the right music to suit your mood or the occasion.



- In the **Photos** area, you can view photos saved on your hard disk or on CD. Photos can also be categorized in the Pinnacle MediaManager (for example, the pictures from your last vacation or that one party or simply those taken on a certain date) so that you see only those photos that you really want to see - quickly and hassle-free. If you want to show off your photos, you can also set up a slideshow to display them as a group.
  
- In the **Online** menu option, you have access to various online services. These services even include being able to watch videos on demand.



## Pinnacle MediaCenter User Views

In the Pinnacle MediaCenter, you can select between two different user views. Each user view is optimized for the different ways of using the Pinnacle MediaCenter:

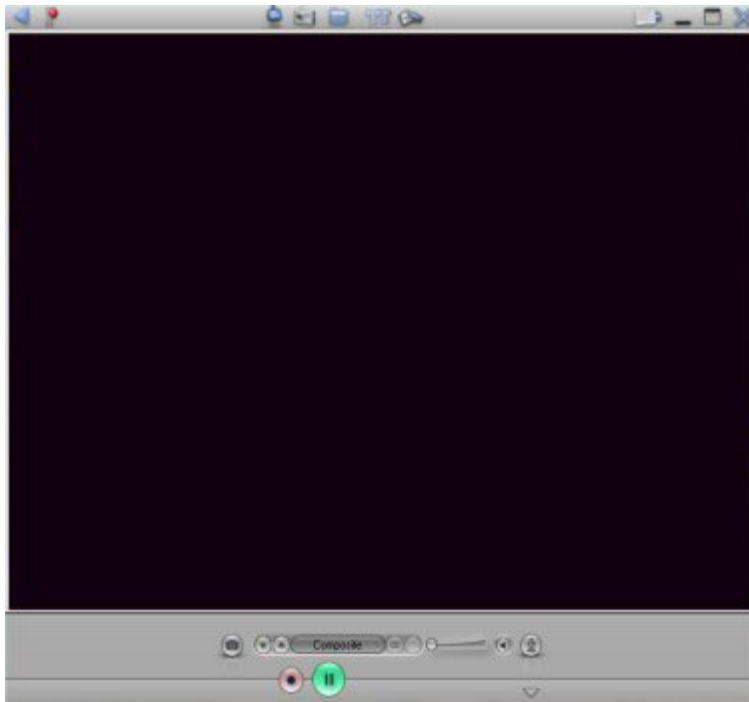
- The **Remote View** is optimized for operation with the remote control. The entire menu is accessible from the Pinnacle MediaCenter window and each menu option is easy to read even from a distance. This lets you use your remote control to play back and edit media from the comfort of your own sofa.

Of course, you can still operate the Pinnacle MediaCenter with your mouse or keyboard while in the remote view. You can also display the PC view control bars in the remote view and use them to operate the Pinnacle MediaCenter.





- The **PC View** is optimized for use with your mouse or keyboard. This view is especially useful when you use the Pinnacle MediaCenter while working at your desk (for example, for watching TV while working on the computer). The menu bar-shaped buttons are arranged at the top and bottom of the Pinnacle MediaCenter window and are easily activated with a click of the mouse.  
Since you will be mainly using this view when working at your computer, PC view menus are only displayed if necessary so that as little screen space as possible is used.



You can switch between the PC view and the remote view at any time when using the Pinnacle MediaCenter:

- To go to the remote view, press the **P** or **Menu** button on the remote control (depending on the remote control) or click the **P** button in the upper control bar.
- If you double-click in the preview or information window when you are in the remote view, this window opens in full screen and takes you to the PC view.



If you are interested in other ways of displaying the preview or information window in full screen and thereby accessing the PC view, refer to the chapter "Pinnacle MediaCenter Window Formats".

Using the Pinnacle MediaCenter in the remote view and in the PC view is described in greater detail in the corresponding chapters.



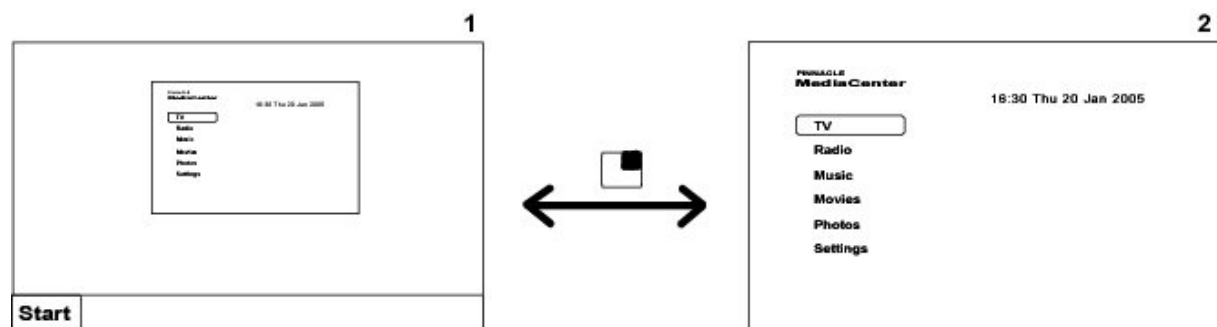
## Pinnacle MediaCenter Window Formats

The Pinnacle MediaCenter lets you switch between various window sizes and formats. These options let you customize the Pinnacle MediaCenter window according to your needs.

For example, would you rather play back media directly from your desk while working at you PC or from your TV chair? Do you want your Pinnacle MediaCenter window to take up the entire screen so that you can read all the menu options well even at a distance or do you want to minimize the window so that you can continue working on your PC during playback? Would you like to watch TV or movies or view photos in full screen mode or should the menu remain visible?

The Pinnacle MediaCenter is very flexible in accommodating your wishes. The following explains how to display the various window formats:

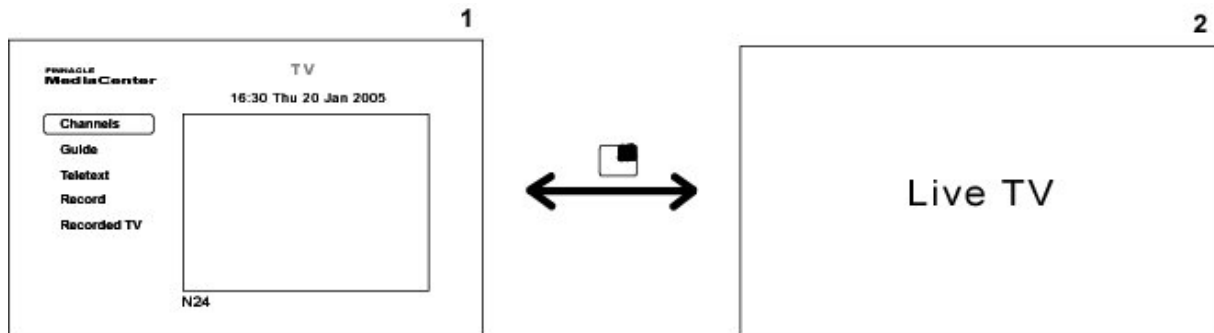
### Pressing the "Full Screen" Remote Control Button for a Normal-Sized Window Without Preview or Information Window



If you have opened the Pinnacle MediaCenter in normal size and there is no preview or information window in the current menu (for example, the main screen in the remote view) (1), you can switch between the normal-sized Pinnacle MediaCenter window and full screen (2) by pressing the **Full Screen** button on your remote control.

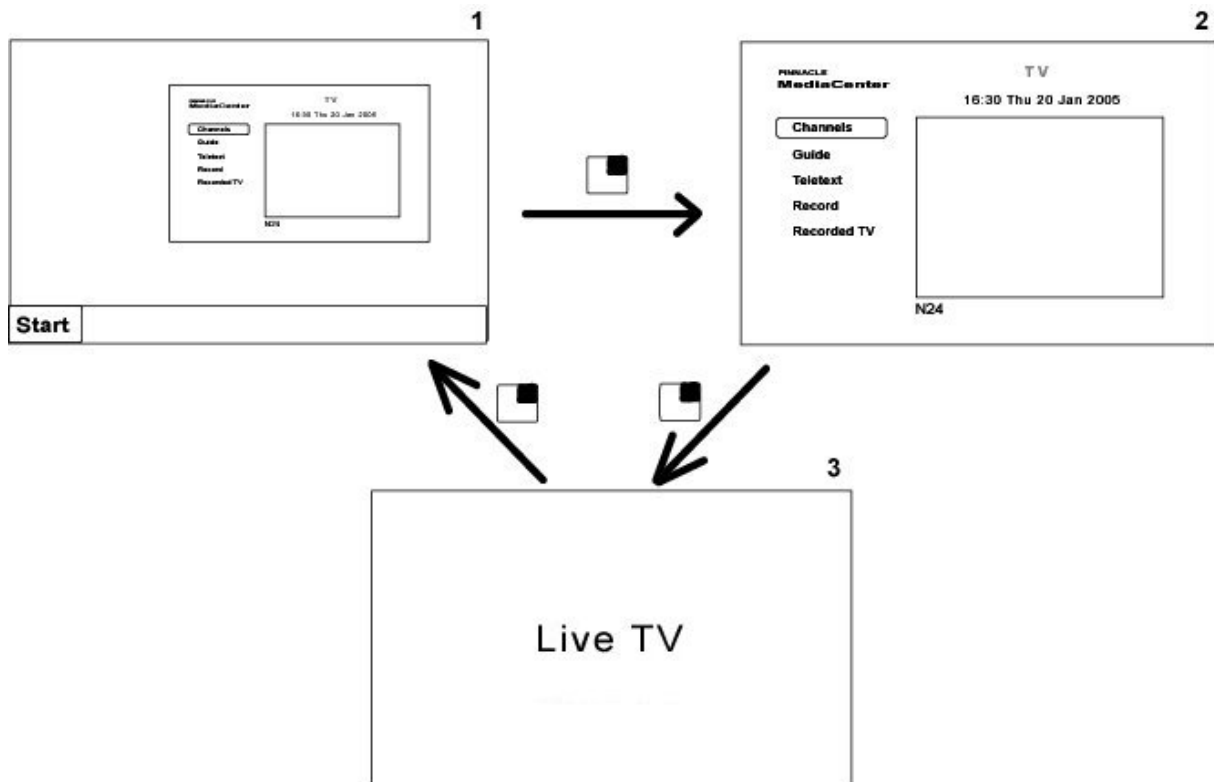


## Pressing the "Full Screen" Remote Control Button for a Full Screen Window with Preview or Information Window



If you have opened the Pinnacle MediaCenter in full screen and the menu displayed contains a preview or information window (for example, the TV menu in the remote view) (1), you can switch between the entire Pinnacle MediaCenter window in full screen and the preview/information window in full screen (2) by pressing the **Full Screen** button on your remote control.

## Pressing the "Full Screen" Remote Control Button for a Normal-Sized Window with Preview or Information Window



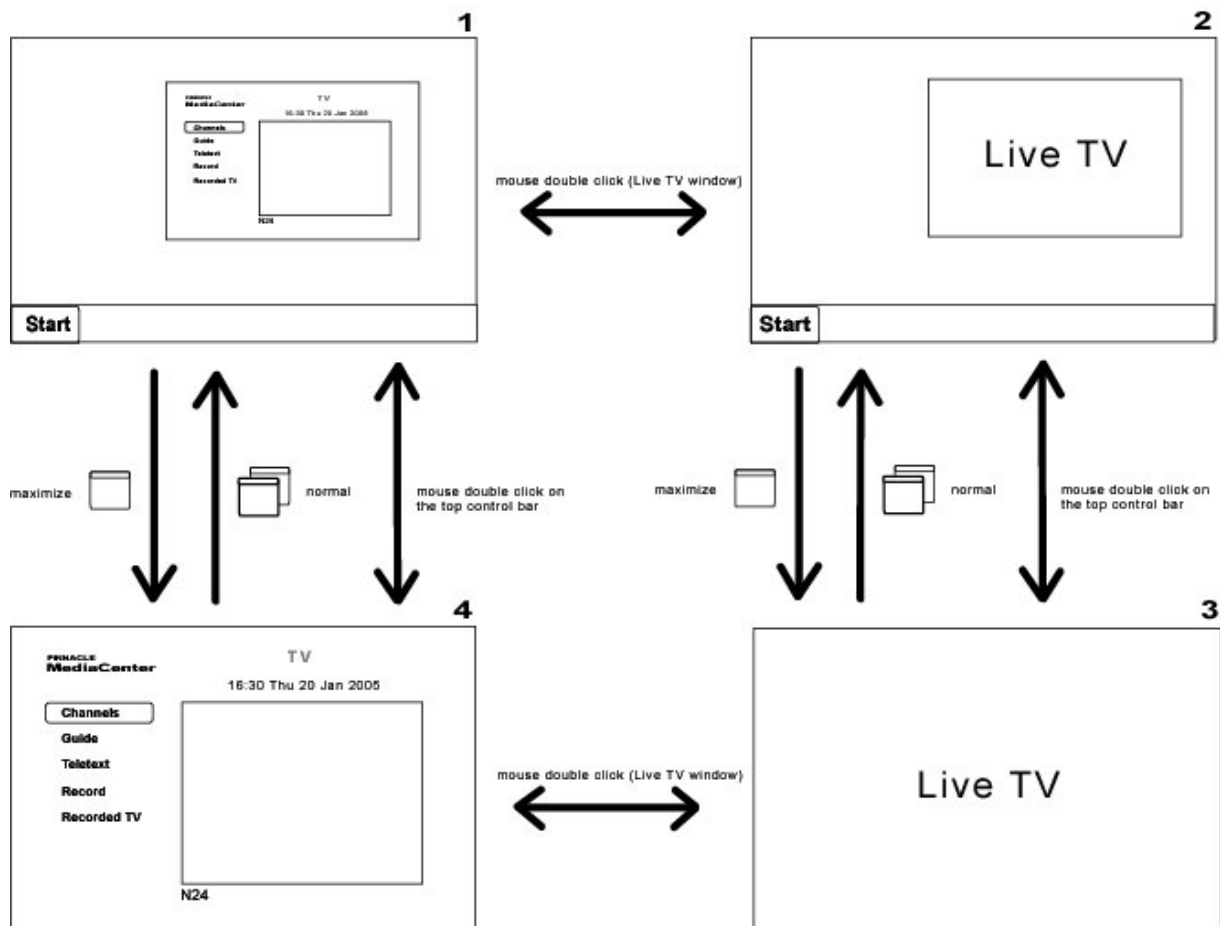


If you have opened the Pinnacle MediaCenter in normal size and the menu displayed contains a preview or information window (for example, the TV menu in the remote view) (1), you can display the entire Pinnacle MediaCenter window in full screen (2) by pressing the **Full Screen** button on your remote control.

If you press the **Full Screen** button again, only the preview/information window is displayed in full screen (3).

If you press the **Full Screen** button a third time, you are taken back to the original window, that is, the entire Pinnacle MediaCenter window in normal size (1).

### Clicking the Mouse in a Normal-Sized Window with Preview or Information Window



If you have opened the Pinnacle MediaCenter in normal size and the menu displayed contains a preview or information window (for example, the TV menu in the remote view) (1), double-clicking will only display the preview/information window in normal size (2).



If you double-click again, you are taken back to the entire Pinnacle MediaCenter window in normal size (1).

If you have opened the Pinnacle MediaCenter in normal size and the menu displayed contains a preview or information window (for example, the TV menu in the remote view) (1), you can display the entire Pinnacle MediaCenter window in full screen (4) by clicking the **Maximize** button in the upper control bar or double-clicking the upper control bar.

If only the TV window is displayed in normal size (2), you can enlarged it to full screen by clicking the **Maximize** button in the upper control bar or double-clicking the upper control bar (3).

If you double-click again or click the **Minimize** button, the TV window returns to normal size (2).

If you double-click the TV window in full screen (3), you display the entire Pinnacle MediaCenter window in full screen (4). If you double-click again, the TV window appears again in full screen (3).

If you click the **Minimize** button or double-click the upper control bar when the Pinnacle MediaCenter is in full screen (4), the Pinnacle MediaCenter window will switch to the original normal size (1).



## Remote View (optimized for operation with the remote control)

### Overview

#### *Operating the Pinnacle MediaCenter Remote View*

The Pinnacle MediaCenter remote view is optimized for operation with a remote control. The menu is not only extremely visible even from distance but it is also easy to operate with your remote control buttons. It simply invites you to make yourself comfortable in your easy chair or on the sofa and enjoy the media in your Pinnacle MediaCenter.

And you can, of course, use either your keyboard or your mouse to operate the Pinnacle MediaCenter remote view.



To simplify this manual, the instructions on how to operate the remote view of your Pinnacle MediaCenter will be based mainly on the use of your remote control. However, the same functions found on your remote control can also be used via the function keys on your keyboard or by using your mouse.

#### *On-Screen Menu Buttons*

You can operate many of the functions in your Pinnacle MediaCenter using the on-screen menu buttons displayed on your screen (for example, the individual menu options on the main screen).

If you want to display a menu option, you can do one of the following:

- Select that option using the **arrow buttons** on your remote control
- Use the **cursor keys** on your keyboard.
- Click the menu option once with your mouse.

To open this menu option, you can do one of the following:

- Select the menu option and then press the **Confirm** button on your remote control.
- Select the menu option and then press the **Enter** key on your keyboard.
- Double-click the menu option with your mouse.

The menu option you have selected now opens.



### Remote Control Buttons and PC Function Keys

You can also operate several of the functions *directly* using the remote control that came with the product or using your PC keyboard - without having to activate an on-screen menu button (this includes the fast forward function when watching a television recording).

- The remote control buttons required for the functions are described in detail in the individual chapters of this documentation.  
You can also refer to the documentation that came with your remote control to get an overview of the functions assigned to the different buttons.
- You can also use certain function keys on your keyboard to execute the same commands available on your remote control. In this case, the individual function keys correspond to specific buttons on your remote control.  
Read the following overview to find out which keys on your keyboard are used to perform which functions:



The PC view and the "Advanced Settings" in the Pinnacle MediaCenter can only be accessed using your keyboard or mouse.

Function	PC function keys
Exit the PMC	ALT+F4
Switch between full screen and preview window	ALT+F or ALT+Enter
OSD channel list	Enter (while watching TV)
Channel info/Help (depending on remote control)	ALT+I
Mute On/Off	M
Toggle between the last two channels	ALT+L
Volume +/-	+/- or CTRL+Cursor Up/Down
Channel +/-	Page Up/Page Down
OK/Confirm	Enter
Start page/menu (P key; depending on remote control)	Esc
Jump to live position during timeshift playback	F5



<b>Function</b>	<b>PC function keys</b>
Start recording	C
Pause in TV mode: Start timeshift recording	Space bar
Previous Track/Next Track	Pos1/end
Back (depending on remote control)	Back
Play	P
Stop	S
Rewind/Fast Forward in teletext mode: Display previous/next subpage	R/F
TV	F5
Teletext	F6
Radio (depending on remote control)	F7
EPG	F8
Enter numbers	1/2/3/4/5/6/7/8/9
0/AV (switch video input)	0
Selection of on-screen menu buttons	Cursor
in teletext mode: Display previous/next page	Cursor Up/Down
Switch between letters and numbers (C/N)	CTRL+C
Delete entry	Del

### **Control Bars**

To quickly and easily operate your Pinnacle MediaCenter, you have two control bars in the remote view which you can use to directly access important functions with your mouse.

To display the control bars, move your mouse in the Pinnacle MediaCenter window. The control bars disappear automatically a few seconds after you stop moving your mouse.

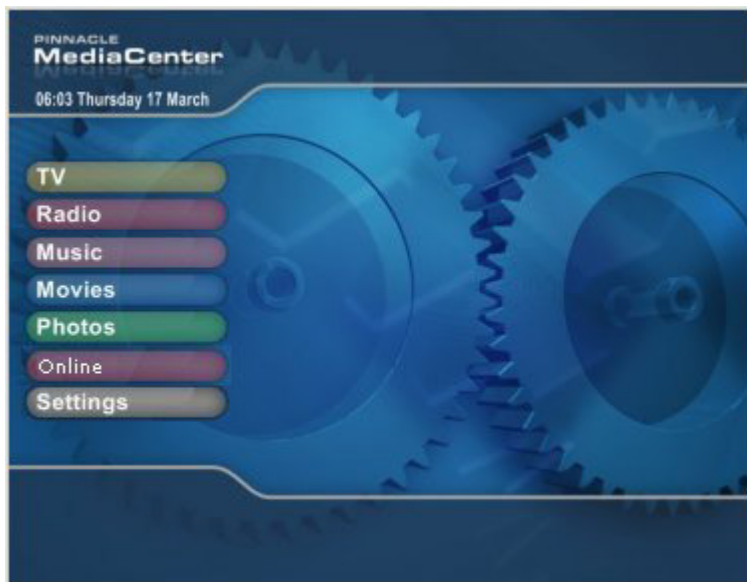
For more information, refer to the chapter "PC View (optimized for operation with mouse)".



### **Main Screen of the Pinnacle MediaCenter Remote View**

You can start the Pinnacle MediaCenter remote view using the Start menu and the Pinnacle program group. Simply double-click the desktop link or press the **TV** button (remote control type A) or the **Pinnacle** button (remote control type B) on your remote control.

The **main screen** of the Pinnacle MediaCenter then opens:



The main screen provides you with an overview of seven menu options:

- The menu options **TV**, **Radio**, **Music**, **Movies**, and **Photos** give you access to the functions for each particular type of media.
- You can use the **Online** area to access the various online services available.
- In the **Settings** menu, you can configure the most important Pinnacle MediaCenter settings.



You can configure more advanced settings in the "Advanced Settings Dialog". For more information, refer to the chapter "Advanced Settings".

The following sections provide you with detailed information about the numerous options available to you in the individual menu options.



For more information about operating the Pinnacle MediaCenter, refer to the chapter "Operating the Pinnacle MediaCenter Remote View".



## TV Menu

### TV Menu Overview

If you select **TV** in the main screen of the Pinnacle MediaCenter, the following window appears:



The individual menu options give you access to the following functions:

- **Channels:** Use this menu to select channels from the channel list.
- **Guide:** This menu gives you access to an Electronic Program Guide (EPG). Use this guide to not only get an excellent overview of the TV schedule but to help you schedule and program recordings.
- **Teletext:** Use this menu to activate teletext.
- **Record:** This menu lets you record TV shows.
- **Recorded TV:** This menu lets you play back or edit previously recorded shows.

In addition, you can make **timeshift** recordings while watching television.

The individual TV menu functions are explained in detail in the following sections.

### Information Window

In the Pinnacle MediaCenter, the current TV schedule of the last channel selected is displayed in an information window. You won't miss a minute of your favorite show, even if you are in the middle of scheduling recordings or looking up tomorrow's TV schedule in the EPG.



For more information about switching between the information window and full screen mode, refer to the chapter "Pinnacle MediaCenter Window Formats".



## **Selecting Channels**

When you select **Channels** in the TV menu, the following window appears:



## **Switching Channels**

### **Channel lists**

On the right side of the window, all the channel lists created in "Advanced Settings" (for example, Music, News, and Sports) as well as the entry **All TV Channels** are displayed.

To change the current TV channel, select **All TV Channels** or select the channel list you want and confirm your selection. A list of all the channels or the channel assigned to the selected list is now displayed.

An EPG window located on the lower edge of the screen shows you information about the selected channel (if EPG service is available). This information includes the start and stop time of the program currently showing and a short description of the content. This gives you an optimal overview of the schedules for the channels in the list.

After you select and confirm a certain channel, its schedule is displayed in full screen mode.

### **Channel list**

When you are watching television in full screen mode or in the preview window, you can also use the **Channel+ / Channel-** buttons on your remote control to change the current channel according to the sequence in the channel list.

Or you can press the **Confirm/OK** button on the remote control. This displays the channel list in On Screen Display mode. Use the arrow buttons on your remote control to select a channel and confirm.



### **Direct channel input**

When you are watching live TV in full screen mode or in the preview window, you can also select a channel directly with your remote control or with your keyboard:

To do this, simply enter the number of the channel you want using the number keys on your remote control or the number keys on your keyboard. The TV schedule of the channel you select is then displayed.

### **Switching between the last two channels**

Press the **Switch Between Channels** button on your remote control to switch back and forth between the last two channels (for example, to avoid irritating commercial breaks).



After changing channels, the number of the current channel is displayed for a few seconds on the screen.

### **Video Input**

When you press the **AV** button, you can sequentially switch between the available video input sources on your TV card (for example, from antenna to S-video). And depending on your hardware and the reception, you even have the option of switching between analog and digital television.

### **Volume**

To regulate the volume while watching TV, use the **Volume +/-** buttons on your remote control. Press the **Mute on/off** button to turn the sound off. Turn it back on by pressing the button again.



When you change the volume, a status bar with the current volume level or a "Sound off" icon is displayed on the screen for a few seconds.



## **On Screen Display (OSD): General Information**



You can configure detailed settings affecting the behavior of the On Screen Display in the Settings menu.

When you turn on live TV or switch channels while watching TV, an EPG On Screen Display appears (if EPG service is available) with the following information:

- The name of the current channel and its number in the channel list
- The current language (if available)
- The page format (if available)
- The audio mode (if available)
- The current time and date
- The display of the time status of the current program
- The start time, name, and short description of the current show, as well as of the next show

If no EPG service is available, the following information is displayed:

- The name of the current channel and its number in the channel list
- The page format (if available)
- The audio mode (if available)
- The current time and date

This OSD disappears after a few seconds.

If you would like to display the OSD again manually (without changing the channel), press the **?** button or the **Info** button (depending on the remote control). The same information including a volume level bar is displayed.

If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears again when you press the **?/Info** again.

## **On Screen Display (OSD): Audio Settings**

When you are watching TV in full screen mode or in the preview window and you press the **B** button on your remote control, an On Screen Display appears where you can change your audio settings:

On the left side of the OSD, all the supported audio modes are displayed. All the languages available for the current program are displayed on the right side of the window.

Use the arrow buttons to select a new audio mode and/or a new language and activate it by pressing the **OK/Confirm** button on your remote control.

Pressing the **B** button again will hide the On Screen Display and apply the changes you made.



## Electronic Program Guide (EPG)



This menu is only available if an EPG service is present.

When you select **Guide** in the TV menu or press the **EPG** button on your remote control, the following window appears:



The EPG (Electronic Program Guide) function is an electronic TV guide which gives you not only a quick and easy-to-read overview of the TV schedule but also makes recording TV shows a snap.

The EPG menu contains an EPG program list, a time and channel button, as well as a time and channel display.

Press the arrow buttons on your remote control to move back and forth between these areas and within the program list.

### Sorting the EPG Program List

You can sort the program list by the time or by channel. You do this by selecting and confirming the corresponding button.

#### Sorting the EPG program list by time

When you select and confirm the **Time** button, the current time is displayed on the upper edge of the screen and all the programs scheduled to be broadcast at the current time are listed in the program list.

When you select the time display on the upper edge of the screen and press the **left arrow** or **right arrow** buttons on your remote control, the displayed time is



updated in half-hour increments. Or you can use your mouse to press the "left arrow" or "right arrow" buttons to change the time display.

The EPG program list now displays the shows that will be broadcast at the time indicated.

#### **Sorting the EPG program list by channel**

After you select the **Channels** button and confirm it, the current channel is displayed on the upper edge of the screen and the schedule of the current channel appears in the program list, beginning at the current time.

When you select the channel display on the upper edge of the screen with the arrow buttons and press the **left arrow** button or the **right arrow** button on your remote control, the position of the channel changes within its channel list. Or you can use your mouse to press the "left arrow" or "right arrow" buttons to change the channel display.

The EPG program list now contains the schedule for the channel just chosen, beginning at the current time.

If you would like to modify the channel list in order to display the schedule of a different channel in the EPG program list, select the channel display and confirm it. This displays the list of channel lists from which you can select a new channel list or the **All TV Channels** entry. After you have confirmed your selection, you are taken back to the EPG menu.

#### **EPG Information**

An EPG window on the lower edge of the screen displays information about the selected channel. This includes start and stop times, a status bar for the time status of the program currently showing and a short description of the content.

You can access detailed information about the selected schedule in the program list by pressing the **?/Info** button on your remote control (depending on the remote control) or by clicking the **More Info** button. An EPG window now opens displaying the show time, the channel, the name of the program, as well as an extensive description of the content.

You can exit this EPG window by pressing the **?/Info** button again (depending on the remote control).

#### **Viewing a Show in the EPG Program List**

After you select and confirm a show in the EPG list that is currently being broadcast, the show is displayed in full screen mode.



### ***Recording a Show From the EPG Program List***

Using the EPG function, it is easy to record a show.

To do this, select the show you want from the EPG program list and press the **Record** button on your remote control:

A program that is currently being shown is recorded immediately. The recording of a program in the future is scheduled.



You can tell whether a show is currently being recorded or if a show is scheduled to be recorded by the record symbol in the EPG channel list.

### ***Pausing, Editing or Deleting Recordings in the EPG Program List***

You can edit or delete recordings being made right now or recordings scheduled in the future directly in the EPG menu.

To do this, select the corresponding program and confirm your selection or press the **Record** button. In the window that now appears, you can pause, process or delete the recording.

To pause a running recording or delete a scheduled recording, you can also select the corresponding program in the EPG program list and press the **Stop** button on your remote control.



## Teletext

When you select **Teletext** in the TV menu or press the **Teletext** button on your remote control, the following window appears:



The teletext menu consists of two areas. On the left side of the window, you will find TOP text. On the right side, you will see the teletext window. You can switch back and forth between the two areas by pressing the **right arrow** and **left arrow** buttons on your remote control or the cursor keys your keyboard. If no TOP text is available, only the teletext window is displayed in the Teletext menu.

### **TOP - The Intelligent Table of Contents**

TOP text is displayed in the left part of the window. TOP (Table of Pages) is an optional radio station service that is not, however, supported by all stations. It works like a table of contents where all the information available in a particular subject area is linked. This lets you quickly navigate through the teletext listings in a user-friendly environment - without having to know the page numbers.

You can quickly and easily get to the information you want by selecting a topic with the arrow buttons and confirming it.

If a topic has further subtopics (marked with a "+" before the topic title), you can open the list of all subtopics by selecting and confirming the topic. If you again select and confirm the topic, the list of subtopics disappears.



## **Teletext**

The teletext for the current TV channel is displayed on the right side of the window. This is text information that is sent as part of the TV signal.

### **Switching between teletext pages**

You can now switch to the next or to the previous teletext page by pressing the **Up** or **Down** buttons on your remote control. Or you can use your mouse to click the "Up" arrow and "Down" arrow buttons below the teletext window. You can also enter a page number directly into your remote control or keyboard, and the corresponding page will open.



Note that you can only enter page numbers between 100 and 899.

### **Switching between teletext subpages**

A teletext page may have one or more subpages. You can access them by pressing the **Rewind/Fast Forward** buttons on your remote control. Or you can use your mouse to click the "Left" arrow and "Right" arrow buttons below the teletext window.

If the active teletext page has no subpages, these options are not available.

### **FLOF - Page Navigation (Depending on the Remote Control)**

FLOF is another way for you to quickly and easily access interesting teletext topic areas.

With FLOF, you can open the highlighted information pages (red, green, yellow, blue) displayed on the lower edge of the teletext window directly with your remote control - without having to enter individual page numbers.

In order to display a specific teletext area, press the **Miscellaneous Functions** button with the corresponding color on your remote control. The corresponding teletext page now opens.



## **Recording Live Television**

When you select **Record TV** in the TV menu, the following window appears:



You can now start recording immediately, schedule a future recording or change the existing schedule for future recordings.

If you open this menu while recording a TV show, you can cancel the recording or change the recording schedule settings.

The following menu options are available:

- Record Now
- Guide
- Record Manually
- Scheduled Recordings

### **Record now**



While you are watching TV, you can record the TV show at any time by pressing the "Record" button on your remote control. Press the "Stop" button to stop recording.

#### **Recording the current program**

If you want to record the current TV program right now, select **Record now** and confirm it. The **Record now** button changes to **Record...**, and the recording of the current program starts.

Or you can press the **Record** button on your remote control.



### Changing the settings of a currently running recording

In order to obtain more detailed information about the currently running recording or to change the recording schedule settings during the recording, select and confirm the **Record** button.

In the window that now appears, you can stop the recording or change the duration/end time of the recording:

- To end the currently running recording, select the **Stop** button.
- To change the *duration*, select the Duration field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the duration in minutes. If you enter the number "999", your recording will have no time limit.  
Or, after confirming the Duration field, you can enter a number with a maximum of three digits.  
After you have set a new recording time, press the **OK/Confirm** button again.
- To change the *stop time*, select the Stop time field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the duration in hours.  
Now press the **OK/Confirm** button again to activate the minute display. You can enter the minutes in five-minute increments with the **Up** and **Down** buttons on your remote control.  
Or, after confirming the Stop time field, you can enter a number with four digits which stand for the hour and minute display of the stop time.  
After you have set a new stop time, press the **OK/Confirm** button again.
- After selecting and confirming the **OK** button, your changes to the recording settings will take effect.

### Guide



This menu is only available if an EPG service is available.

After selecting and confirming this menu option, the EPG window appears where you can record shows and edit recordings.



For more information about using the EPG menu, refer to the chapter "Electronic Program Guide (EPG)".

To record a program, select the channel you want from the EPG channel list and press the **Record** button on your remote control. The recording either starts or is scheduled. You can see this by the recording icon in the EPG program list.



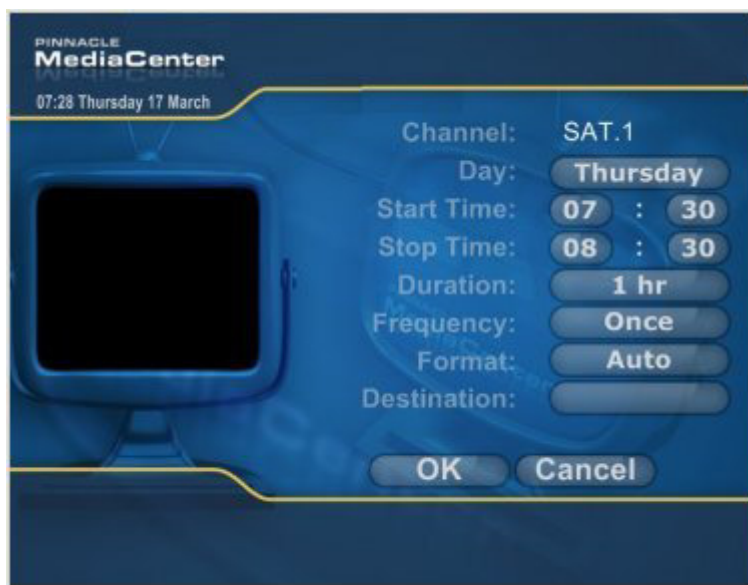
To edit a currently running recording or a scheduled recording, select the corresponding program from the EPG program list and confirm your selection or press the **Record** button.

In the window that now appears, you can pause, edit or delete the recording.

To pause a running recording or delete a scheduled recording, you can also select the corresponding program in the EPG program list and press the **Stop** button on your remote control.

### **Record Manually**

If you select and confirm this menu option, the following window appears:



This is where you configure the settings for recording manually:

- **Channel:** This is where you enter the channel you want to record. Use the arrow buttons to select the Channel field and then confirm your selection. A list of all the channel lists now appears. Select the list which includes the channel you want. In the channel list that now appears, select the channel you want.
- **Day:** Enter the day when the program should be recorded. Use the arrow buttons to select the Day field and then confirm your selection. Use the **Up** and **Down** buttons to select a day and then confirm your selection.
- **Recording time** (Start time, Stop time, Duration): Enter two of the required time values, and the third will be calculated automatically.

**Start time:** Use the arrow buttons to select the Start time field and then confirm your selection. With the **Up** and **Down** buttons on your remote control, you can enter the hour of the start time.



Now press the **OK/Confirm** button again to activate the minute display. You can now enter the minute of the start time with the **Up** and **Down** buttons on your remote control.

Or, after confirming the Start time field, you can enter a number with four digits for the hour and minute display of the Start time.

After you have set a new start time, press the **OK/Confirm** button again.

**Stop time:** Use the arrow buttons to select the Stop time field and then confirm your selection. With the **Up** and **Down** buttons on your remote control, you can enter the hour of the stop time.

Now press the **OK/Confirm** button again to activate the minute display. You can enter the minute of the stop time with the **Up** and **Down** buttons on your remote control.

Or, after confirming the Stop time field, you can enter a number with four digits for the hour and minute display of the stop time.

After you have set a stop time, press the **OK/Confirm** button again.

**Duration:** To change the **duration**, select the Duration field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the duration in minutes.

Or, after confirming the Duration field, you can enter a number with a maximum of three digits. If you enter the number "999", your recording will have no time limit.

After you have set a new duration, press the **OK/Confirm** button again.

- **Frequency:** Enter the frequency that the recording should be repeated. Use the arrow buttons to select the Frequency field and then confirm your selection. Use the **Up** and **Down** buttons to select a frequency (for example, "daily" or "weekly") and then confirm your selection.
- **Format:** You can change the recording format here. Use the arrow buttons to select the Format field and then confirm your selection. Use the **Up** and **Down** buttons to select a recording format and then confirm your selection. Note that when recording digital TV, you cannot set the recording format.
- **Destination:** Enter the location where you would like to save your recording. Use the arrow buttons to select the Destination field and then confirm your selection. Use the **Up** and **Down** buttons to select a location and then confirm your selection.
- After selecting and confirming the **OK** button, the recording you want is scheduled.



Make sure that your computer is turned on at the time the recording is scheduled to start and that your Pinnacle hardware is not being used by any other software.



### **Scheduled recordings**

If you want to change or delete previously scheduled recordings, select the **Scheduled recordings** menu option and confirm your selection. The following window now appears:



All of your scheduled recordings are displayed here.

If you want to change a recording, select it and confirm your selection. In the window that now appears, you can edit or delete the scheduled recording.

#### **Changing scheduled recordings**

If you want to edit the scheduled recording (for example, change the recording time or the date), select **Edit** and confirm your selection. The settings for this recording are now displayed and you can edit them.

#### **Deleting scheduled recordings**

If you want to delete the scheduled recording, select **Delete** and confirm your selection. The recording settings are deleted, and the recording will not take place.



## ***Recorded TV***

When you select **Recorded TV** in the TV menu, the following window appears:



On the right side of the window, you see all the currently available recordings including information about the channel, the recording date, and the recording time.

Additional information for each selected recording is located in the information window on the lower edge of the screen.

You can now either play back a recording or delete it. Select the recorded program and confirm your selection.

### ***Playing Back a Recording***

In the window that now appears, you can play back the recording you want by selecting and confirming the **Play** button or by pressing the **Play** button on your remote control.

### ***Deleting Recordings***

You can delete a previously selected recording by selecting the **Delete** button and confirming it.



## ***Timeshift***

The Pinnacle MediaCenter timeshift function lets you conveniently watch the current TV show in timeshift mode.

Irritating interruptions when watching TV are now a thing of the past. With just the push of a button, you can interrupt the current TV show and go back to watching it later at any time. In the meantime, the rest of the TV program is automatically recorded to a temporary area on your computer. Note that the size of the temporary area determines the amount of the material that can be recorded (for more information about the size of the temporary area, refer to chapter **Advanced Settings**).

All you need to do to resume watching the program from the point you stopped is to press a button, and the recording is played. At the same time, the current program continues to be recorded in the background so that you don't miss a minute of the show.

This lets you fast forward and rewind the timeshifted show in quick motion while it is still being recorded, as well as skip over certain parts (for example, commercials) or repeat parts (for example, the deciding touchdown in a football game) or switch back to live TV.

### ***Starting a Timeshift Recording***

To start a timeshift recording, press the **Pause** button of your remote control while watching TV. The current TV program is now recorded to a temporary area on your computer.

### ***Viewing a Timeshift Recording***

#### **Playing a timeshift recording**

To watch a timeshift recording, use the **Rewind** or **Previous Track** buttons on your remote control to jump to a specific place in the recording and continue watching from this point. In the meantime, the live TV show continues to be recorded.

Within the timeshift playback, you can use the **Rewind/Fast Forward** buttons or the **Previous Track/Next Track** buttons to repeat parts or to skip them. Use the **Rewind/Fast Forward** buttons to move forwards or backwards at a uniform speed within the recording. Use the **Previous Track/Next Track** buttons to jump backwards or forwards in the timeshift recording according to a previously set time interval (for more information about setting this time interval, refer to the chapter **Advanced Settings**).

#### **Interrupting timeshift playback**

Press the **Pause** button on your remote control to interrupt the timeshift playback. To continue playback, press the **Pause** button or the **Play** button again.



### **Returning to live position**

If you want to return to the live position in the current program, press the **Live TV** button (remote control type A) or **TV** (remote control type B) on your remote control. The timeshift recording continues to be recorded and you can be play it back at any time.

### **Ending the Timeshift Recording**

To end the timeshift recording, press the **Stop** button on your remote control.

### **On Screen Display**



You can configure detailed settings affecting the behavior of the On Screen Display in the Settings menu.

If you start a timeshift recording, an On Screen Display appears with the following information:

- Start time of the timeshift recording
- Maximum timeshift position where the timeshift recording will pause or start from the beginning
- The current time status of live TV (the end of the corresponding status bar marks the current position of live TV)
- The current playback position

This On Screen Display disappears when you press the **Play** button on your remote control.

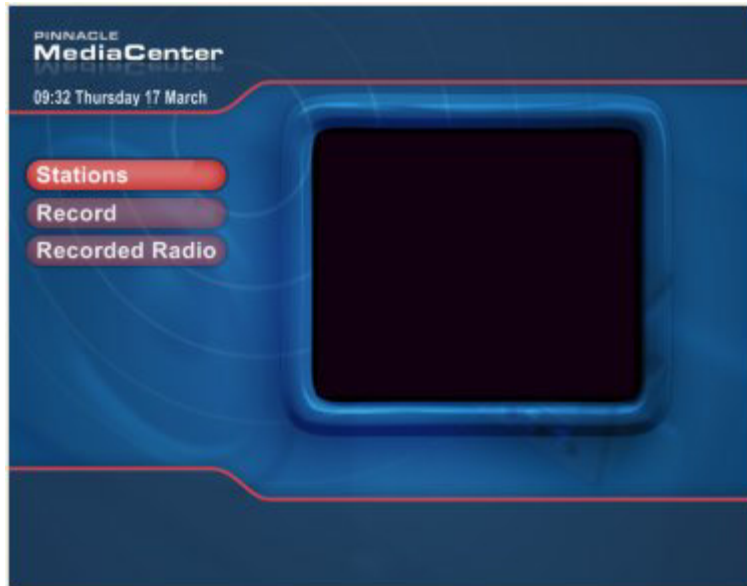
If you would like to display the OSD again manually (without changing the channel), press the **?** button or the **Info** button (depending on the remote control). The same information including a volume level bar is then displayed. If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears when you press the **?/Info** button again.



## Radio Menu

### *Radio Menu Overview*

If you select **Radio** in the main screen of the Pinnacle MediaCenter, the following window appears:



The individual menu options give you access to the following functions:

- **Stations:** Use this menu to select channels from the channel list.
- **Record:** This menu lets you record radio broadcasts.
- **Recorded Radio:** This menu lets you play back or edit previously recorded radio broadcasts.

The individual Radio menu functions are explained in detail in the following sections.

### *Information Window*

In the left part of the Pinnacle MediaCenter, an information window displays information about the current radio program.



For more information about switching between the information window and full screen mode, refer to the chapter "Pinnacle MediaCenter Window Formats".



## Selecting Radio Stations

When you select **Stations** in the Radio menu, the following window appears:



## Switching Channels

### Channel lists

On the right side of the screen, you see all the radio channel lists created in "Advanced Settings" (for example, Classical, News, and Rock) as well as the **FM Radio** and **Internet Radio** entries (if available).

To select a certain radio channel or to change the current radio channel, select either the **FM Radio** or **Internet Radio** entry or select the channel list you want and confirm your selection. A list of all the channels or the channel assigned to the selected list is now displayed.

After selecting and confirming a specific channel, you can listen to its broadcasts. The matching visualization appears in full screen mode.

### Channel list

When you listen to radio and watch the visualization in full screen mode or in the preview window, you can also use the **Channel+ / Channel-** buttons on your remote control to change the current channel according to the sequence in the channel list.

Or you can press the **Confirm / OK** button on the remote control. This displays the channel list in On Screen Display. Use the arrow buttons on your remote control to select a channel and confirm it.

### Direct channel input

When you are listening to radio and watching the visualization in full screen mode or in the preview window, you can also select a channel directly with your remote control or with your keyboard.



To do this, simply enter the number of the channel you want using the number keys on your remote control or the cursor keys on your keyboard. You can then listen to the broadcast of the channel you select.

#### **Switching between the last two channels**

Press the **Switch Between Channels** button on your remote control to switch back and forth between the last two channels (for example, to avoid irritating commercial breaks).



After changing channels, the number of the current channel is displayed for a few seconds on the screen.

#### **Volume**

To regulate the volume while listening to radio, use the **Volume +/-** buttons on your remote control. Press the **Mute on/off** button to turn the sound off. Turn it back on by pressing the button again.



When you change the volume, a status bar with the current volume level or a "Sound off" icon is displayed on the screen for a few seconds.

#### **On Screen Display**



You can perform detailed settings affecting the behavior of the On Screen Display in the Settings menu.

When you turn on radio or switch channels while listening to radio, an On Screen Display appears with the following information:

- The name of the current channel and its number in the channel list
- The current source
- The audio mode
- The current time and date

This OSD disappears after a few seconds.

If you would like to display the OSD again manually (without changing the channel), press the **?** button or the **Info** button (depending on the remote control). The same information including a volume level bar is then displayed. If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears when you press the **?/Info** again.



## Recording Radio

When you select **Record** in the Radio menu, a window appears where you can start a recording immediately, schedule a recording for the future or modify an already scheduled recording.

If you open the menu while recording a radio broadcast, you can cancel the recording or change the recording settings.

The following menu options are available:

- Record Now
- Record Manually
- Scheduled Recordings



Note that you cannot record Internet Radio.

## Record Now



While listening to radio, you can record the current program of the current station at any time by pressing the "Record" button on your remote control. Press the "Stop" button to stop recording.

### Recording the current broadcast

If you want to record the current radio broadcast right now, select the **Record Now** menu option and confirm it. The **Record Now** button changes to **Record...**, and the recording of the current broadcast starts. Or you can press the **Record** button on your remote control.

### Changing the settings of a currently running recording

In order to obtain more detailed information about the currently running recording or to change the recording schedule settings during the recording, select and confirm **Record...**

In the window that now appears, you can end the recording or change the duration/stop time of the currently running recording:

- To end the currently running recording, select the **Stop** button.
- To change the *duration*, select the Duration field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the duration in minutes. If you enter the number "999", your recording will have no time limit.  
Or, after confirming the Duration field, you can enter a number with a



maximum of three digits.

After you have set a new recording time, press the **OK/Confirm** button again.

- To change the *stop time*, select the Stop time field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the hour of the stop time.  
Now press the **OK/Confirm** button again to activate the minute display. You can enter the minutes in five-minute increments with the **Up** and **Down** buttons on your remote control.  
Or, after confirming the Stop time field, you can enter a number with four digits for the hour and minute display of the stop time.  
After you have set a new stop time, press the **OK/Confirm** button again.
- After selecting and confirming the **OK** button, your changes to the recording schedule settings will take effect.

### ***Record Manually***

If you select and confirm this menu option, a window appears where you can manually configure the settings for recording.

This is where you enter the settings for recording manually:

- **Channel:** This is where you enter which channel you want to record.  
Use the arrow buttons to select the channel field and then confirm your selection. A list of all the channel lists now appears. Select the list which includes the channel you want. In the channel list that now appears, select the channel.
- **Day:** Enter the day when the broadcast should be recorded.  
Use the arrow buttons to select the Day field and then confirm your selection.  
Use the **Up** and **Down** buttons to select a day and then confirm your selection.
- **Recording time** (Start time, Stop time, Duration): Enter two of the required time values, and the third will be calculated automatically.

**Start time:** Use the arrow buttons to select the Start time field and then confirm your selection. With the **Up** and **Down** buttons on your remote control, you can enter the hour of the start time.

Now press the **OK/Confirm** button again to activate the minute display. You can enter the minute of the start time with the **Up** and **Down** buttons on your remote control.

Or, after confirming the Start time field, you can enter a number with four digits for the hour and minute display of the start time.

After you have set a new start time, press the **OK/Confirm** button again.



**Stop time:** Use the arrow buttons to select the Stop time field and then confirm your selection. With the **Up** and **Down** buttons on your remote control, you can enter the hour of the stop time.

Now press the **OK/Confirm** button again to activate the minute display. You can enter the minute of the stop time with the **Up** and **Down** buttons on your remote control.

Or, after confirming the Stop time field, you can enter a number with four digits for the hour and minute display of the stop time.

After you have set a stop time, press the **OK/Confirm** button again.

**Duration:** To change the **duration**, select the Duration field with the arrow buttons and press the **OK/Confirm** button. With the **Up** and **Down** buttons on your remote control, you can enter the duration in minutes.

Or, after confirming the Duration field, you can enter a number with a maximum of three digits. If you enter the number "999", your recording will have no time limit.

After you have set a new duration, press the **OK/Confirm** button again.

- **Frequency:** Enter the frequency at which the recording should be repeated. Use the arrow buttons to select the Frequency field and then confirm your selection. Use the **Up** and **Down** buttons to select a frequency (for example, "daily" or "weekly") and then confirm your selection.
- **Format:** You can change the recording format here. Use the arrow buttons to select the Format field and then confirm your selection. Use the **Up** and **Down** buttons to select a recording format and then confirm your selection.
- After selecting and confirming the **OK** button, the recording you want is scheduled.



Make sure that your computer is turned on at the time the recording is scheduled to start and that your Pinnacle hardware is not being used by any other software.



### **Scheduled Recordings**

If you want to change or delete previously scheduled recordings, select the **Scheduled Recordings** menu option and confirm your selection.

All of your previously scheduled recordings are displayed in the window that now appears. If you want to change a recording, select it and confirm your selection. In the window that now appears, edit or delete the scheduled recording.

#### **Changing scheduled recordings**

If you want to edit the scheduled recording (for example, change the recording time or the date), select **Edit** and confirm your selection. The settings for this recording are now displayed and you can edit them.

#### **Deleting scheduled recordings**

If you want to delete the scheduled recording, select **Delete** and confirm your selection. The recording settings are deleted, and the recording will not take place.



### ***Recorded Radio***

When you select **Recorded Radio** in the Radio menu, a window opens where all the currently existing recordings are displayed including information about the channel, recording date, and recording time.

Additional information for each selected recording is located in the information window on the lower edge of the screen.

You can now either play back a recording or delete it. Select the recorded broadcast and confirm your selection.

### ***Playing Back a Recording***

In the window that now appears, you can play back the recording you want by selecting and confirming the **Play** button or by pressing the **Play** button on your remote control.

### ***Deleting Recordings***

You can delete a previously selected recording by selecting and confirming the **Delete** button.



## **Timeshift**



Note that you cannot make timeshift recordings of Internet radio.

The Pinnacle MediaCenter timeshift function lets you conveniently listen to the current radio broadcast in timeshift mode.

Irritating interruptions when listening to radio are now a thing of the past. With just the push of a button, you can interrupt the current radio broadcast and go back to listening to it later at any time. In the meantime, the rest of the radio broadcast is automatically recorded to a temporary area on your computer. Note that the size of the temporary area determines the amount of the audio material that can be recorded (for more information about the size of the temporary area, refer to the chapter **Advanced Settings**).

All you need to do to resume listening to the broadcast from the point you stopped is to press a button, and the recording is played. At the same time, the current broadcast continues to be recorded in the background so that you don't miss a minute of it.

This lets you fast forward and rewind the time-shifted program in quick motion while it is still being recorded, skip over certain parts (for example, commercials) or repeat parts (for example, the deciding touchdown in a football game) or switch back to live radio.

### **Starting a Timeshift Recording**

To start a timeshift recording, press the **Pause** button of your remote control while listening to radio. The current radio broadcast is now recorded to a temporary area on your computer.

### **Listening to a Timeshift Recording**

#### **Playing back a timeshift recording**

To listen to the timeshift recording, use the **Rewind** or **Previous Track** buttons on your remote control to jump to the part you want in the recording and continue listening from this point. In the meantime, the live radio broadcast continues to be recorded.

Within the timeshift playback, you can use the **Rewind/Fast Forward** buttons or the **Previous Track/Next Track** buttons to repeat parts or to skip them. Use the **Rewind/Fast Forward** buttons to move forwards or backwards at a uniform speed within the recording. Use the **Previous Track/Next Track** buttons to jump backwards or forwards in the timeshift recording according to a previously set time interval (for more information about setting this time interval, refer to the chapter **Advanced Settings**).



### **Interrupting timeshift playback**

Press the **Pause** button on your remote control to interrupt the timeshift playback. To continue playback, press the **Pause** button or the **Play** button again.

### **Returning to live position**

If you want to return to the live position in the current broadcast, press the **Start Radio** button (remote control type A) or press the **Next Track** button on your remote control (remote control type B). The timeshift recording continues to be recorded and can be played back at any time.

### **Ending the Timeshift Recording**

To end the timeshift recording, press the **Stop** button on your remote control.

### **On Screen Display**



You can perform detailed settings affecting the behavior of the On Screen Display in the Settings menu.

If you start a timeshift recording, an On Screen Display appears with the following information:

- Start time of the timeshift recording
- Maximum timeshift position at which the timeshift recording will pause or start from the beginning
- The current time status of live radio (the end of the corresponding status bar marks the current position of live radio)
- The current position of playback

This On Screen Display disappears when you press the **Play** button on your remote control.

If you would like to display the OSD again manually (without changing the station), press the **?** button or the **Info** button (depending on the remote control). The same information including a volume level bar is then displayed. If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears again when you press the **?**/**Info** button again.



## Music Menu

### *Music Menu Overview*

If you select **Music** in the main screen of the Pinnacle MediaCenter, the following window appears:



The individual menu options give you access to the following functions:

- **New Music:** Use this menu to listen to all the music titles you have recently imported.
- **Genre, Artist, Album, Song, and Playlists:** Use these menu options to play back music according to categories created in the Pinnacle MediaManager.
- **Browse:** You can play music from your hard disk here.
- **CD/DVD:** Select this menu option when you want to play music from a CD/DVD.

The individual Music menu functions are explained in detail in the following sections.

### *Music Playback*

#### **Playback**

To play all the songs in a category, select a specific song from the category or the entire category and press the **Play** button on your remote control.

To play a single song, select it and confirm your selection.

#### **Rewind and Fast Forward**

During playback, you can use the **Rewind** and **Fast Forward** buttons on your remote control to access a specific location within a song.



### **Previous Track and Next Track**

Use the **Previous Track/Next Track** buttons to go to the beginning of the current song or jump to the next song.

### **Pause**

Press the **Pause** button on your remote control to pause the playback. Press the **Pause** button again or press the **Play** button to continue playback.

### **Stop**

Use the **Stop** button to end playback at any time. This also takes you back to the previous menu.

### **Volume**

To regulate the volume while listening to music, use the **Volume +/-** buttons on your remote control. Press the **Mute on/off** button to turn the sound off. Turn it back on by pressing the button again.

### **Shuffle**

The **Shuffle** function is available in each menu:

Press the **A** button on your remote control to activate shuffle mode. Now all of the songs you have chosen in the current category (for example, in a playlist or a genre) are played back in a random sequence. Press the **A** button again to deactivate shuffle mode. Now the songs are played in a set sequence.

### **Repeat**

The **Repeat** function is available in each menu:

Press the **B** button on your remote control to activate repeat mode. Now all the songs in a specific category will be repeated.

Press the **B** button on your remote control to deactivate repeat mode. Now the songs will only be played once each.

### **Information Window**

In every menu option in the Music menu, you see an information window containing the album cover artwork or the visualization of the title currently playing or of the first song of the category just chosen. The name of the artist and the title of the album are displayed beneath the information window so that you always have access to all the important information about the title currently playing.



For more information about switching between the information window and full screen mode, refer to the chapter "Pinnacle MediaCenter Window Formats".



## **On Screen Display**



You can perform detailed settings affecting the behavior of the On Screen Display in the Settings menu.

If the album cover or the music visualization is displayed in full screen mode during playback, the title of the current song is displayed below the lower edge of the image. This OSD disappears after a few seconds.

If you press the **?** button or the **Info** button (depending on the remote control) during playback in full screen mode, an On Screen Display appears with the following information:

- Volume display
- Title of the previous as well as of the next song and names of the artists
- Album cover (if available)
- The current time and date
- Index of the position of the current song in its category
- Name of the artist, title of the song and of the album, as well as additional ID3 information about the current song
- The time status display of the current song

If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears when you press the **?**/**Info** button again.



## ***New Music***

When you select **New Music** in the music menu, the following window appears:



On the right side of the window, you see all of your recently imported songs in alphabetical order.

### ***Playing Back All New Music***

To playback all the new music, select **All New Music** and confirm your selection or press the **Play** button.

When you select a single song and press the **Play** button on your remote control, all the newly imported songs are played, beginning with the song you selected.

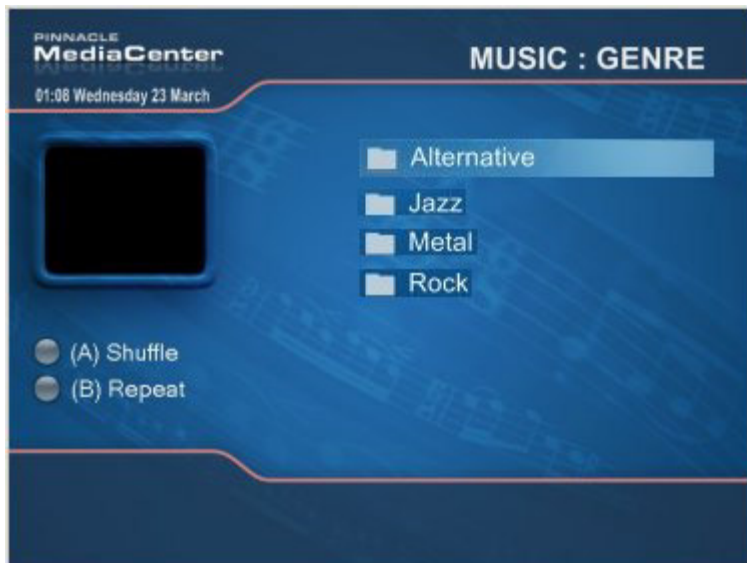
### ***Playing Back Individual Songs***

When you select a single song and confirm your selection, only that song is played.



## Genre

When you select **Genre** in the music menu, the following window appears:



On the right side of the window, all the music genres you created in the Pinnacle MediaManager are displayed in alphabetical order (for example, Country, Classical, and Pop).

### ***Playing Back Songs of a Particular Genre***

If you want to play all the songs of a certain genre, select the genre and press the **Play** button on your remote control.

To display all the artists of a certain genre in the database, select the genre and confirm your selection. These artists are then listed on the right side of the window. You now have the following options:

- If you select **All Artists** and press the **Play** button on your remote control, all the songs in this genre will be played.
- If you select **All Artists** and confirm your selection, all the songs in the chosen genre are listed.

To play a single song, select it and confirm your selection.

If you select a song and press the **Play** button on your remote control, all the songs in this genre are played, beginning with the song you selected.

### ***Playing Back Songs by an Artist in a Particular Genre***

To play all the songs by a certain artist, select the genre the artist is assigned to and confirm your selection. Choose the artist from the list that now appears and press the **Play** button on your remote control.

To display all the albums by a certain artist in the database, first select the genre and then the artist in the window that now appears and confirm your selection.



All the albums available by this artist are then listed on the right side of the window. You now have the following options:

- If you select **All Albums** and press the **Play** button on your remote control, all the songs by this artist will be played.
- If you select **All Albums** and confirm your selection, all the songs by the chosen artist are listed.

To play a single song, select it and confirm your selection.

If you select a song and press the **Play** button on your remote control, all the songs by this artist are played, beginning with the song you selected.

### ***Playing Back an Album or Song by an Artist in a Particular Genre***

To play a single album by a certain artist in the genre chosen, select the artist and confirm your selection. All the albums by that artist in the database are now listed to the right. To playback a specific album, select it and press the **Play** button on your remote control.

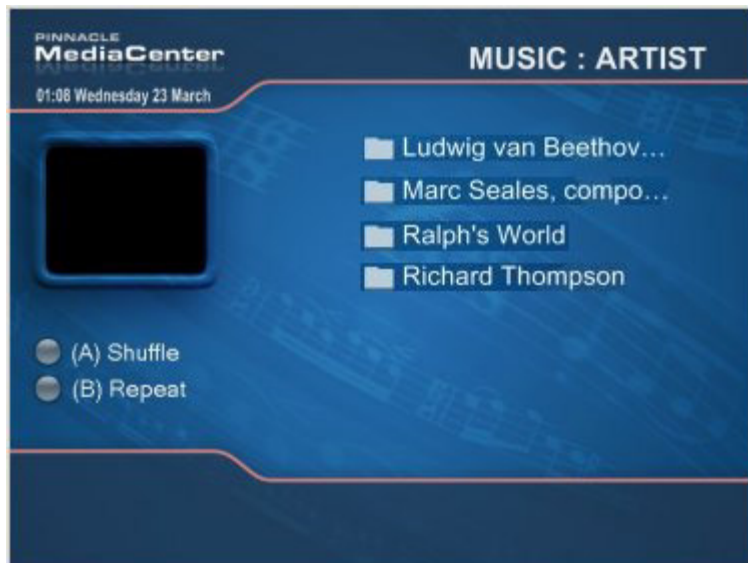
To display all the songs from one of the albums listed, select the album and confirm your selection. All the music titles on the album are now displayed to the right.

- To play a single song, select it and confirm your selection.
- If you select a song and press the **Play** button on your remote control, the entire album is played, beginning with the song you selected.



## **Artist**

When you select **Artist** in the music menu, the following window appears:



On the right side of the window, you see all of the artists in the Pinnacle MediaManager listed in alphabetical order.

### ***Playing Back All Songs***

To play all the songs in the database, select **All Artists** and press the **Play** button on your remote control.

### ***Playing Back the Albums/Songs by All Artists***

If you select **All Artists** and confirm your selection, a list of all the music albums in the database appears. You now have the following options:

- If you select **All Albums** and press **Play**, every available music album is played.
- If you select **All Albums** and confirm, all the songs in the database are displayed. Now you can play all the songs by selecting and confirming a single song or by selecting and pressing the **Play** button.
- If you select a single album and press **Play**, the entire album will be played.
- If you select a single album and confirm, all the songs on this album will be displayed. Now you can play the entire album by selecting and confirming a single song or by selecting and pressing the **Play** button.

### ***Playing All the Songs by an Artist***

To play all the songs by a specific artist, select the artist and press the **Play** button on your remote control.



### ***Playing Back the Albums/Songs by an Artist***

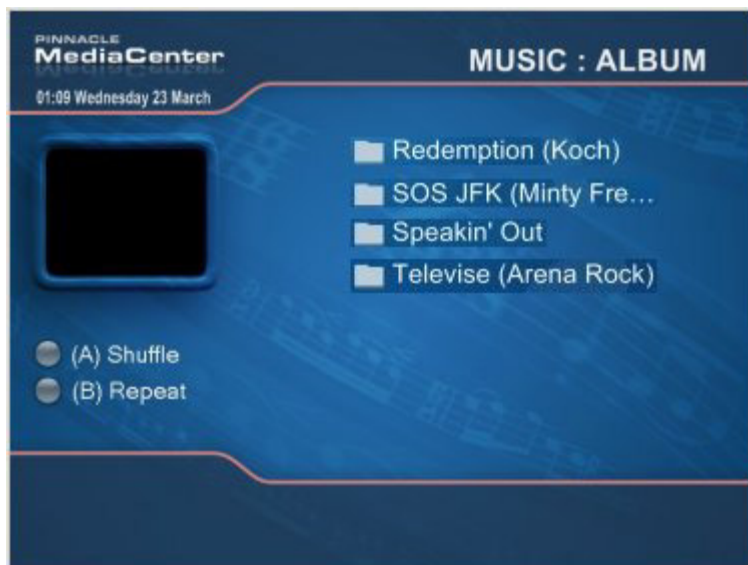
If you want to display the albums by a specific artist, select that artist and confirm your selection. All the albums in the database by that artist are then listed to the right. You now have the following options:

- If you select **All Albums** and press **Play**, every available music album by this artist is played.
- If you select **All Albums** and confirm, all the songs in the database by this artist are displayed. Now you can play all the songs by selecting and confirming a single song or by selecting and pressing the **Play** button.
- If you select a single album and press **Play**, the entire album will be played.
- If you select a single album and confirm, all the songs on this album will be displayed. Now you can play the entire album by selecting and confirming a single song or by selecting and pressing the **Play** button.



## **Album**

When you select **Album** in the Music menu, the following window appears:



On the right side of the window, you see all of the albums in the database listed in alphabetical order.

### ***Playing Back All the Albums***

To play all the albums in the database, select **All Albums** and press the **Play** button on your remote control.

### ***Playing Back Songs***

If you select **All Albums** and confirm, all the songs in the database are listed. Now you can play all the songs in the database by selecting and confirming a single song or by selecting and pressing the **Play** button.

### ***Playing Back an Album***

To playback an entire album, select it and press the **Play** button on your remote control.

If you select an album and confirm your selection, all the songs on the album are listed. After selecting a single song and pressing the **Play** button on your remote control, the entire album will be played, beginning with the song you selected.

### ***Playing Back the Songs on a Specific Album***

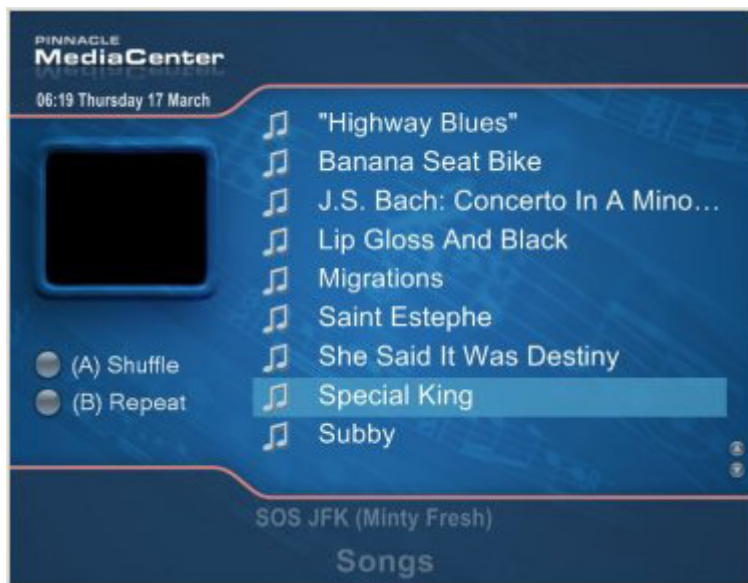
If you select an album and confirm your selection, all the songs on the album are listed to the right.

To play a single song, select it and confirm your selection.



## Song

When you select **Song** in the Music menu, the following window appears:



On the right side of the window, you see all of the songs in the database listed in alphabetical order.

### **Playing Back All the Songs**

To play all the songs in the database, select **All Songs** and confirm your selection or press **Play** on your remote control.

If you select a song and press the **Play** button on your remote control, all the songs in the database are played, beginning with the song you selected.

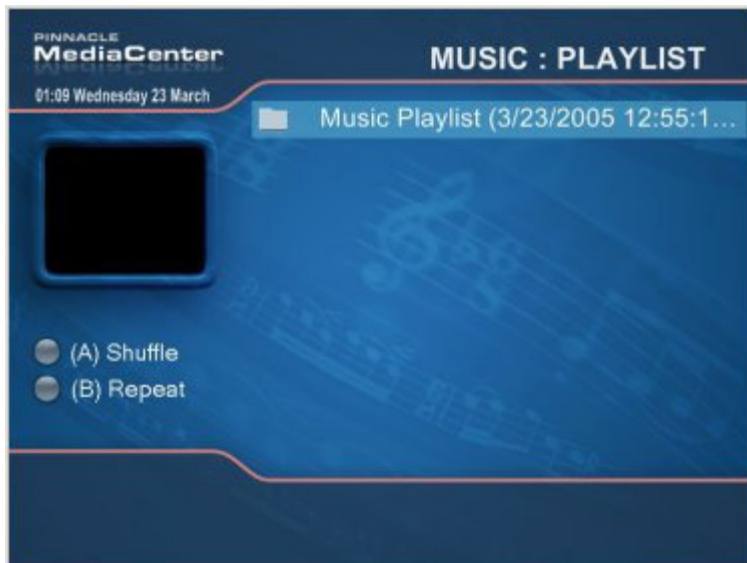
### **Playing Back Individual Songs**

To play a single song, select it and confirm your selection.



## **Playlists**

When you select **Playlists** in the Music menu, the following window appears:



On the right side of the window, you can choose from the following categories:

- **My Playlists:** This category lists all the music playlists created in the Pinnacle MediaManager.
- **Top rated:** Here are all the songs that you have given top ratings in the Pinnacle MediaManager.
- **Most played:** This category lists all the songs that have been played often in the past (this list is generated automatically).
- **Least played:** This category contains all the songs that are rarely displayed (this list is generated automatically).
- **Not yet played:** This contains a list of all the songs that have not yet been played (this list is generated automatically).

### **Displaying the Entire Category**

If you want to play all the songs in an entire category, select the category (**My Playlists**, **Top rated**, **Most played**, **Least played** or **Not yet played**) and press the **Play** button on your remote control.



### ***My Playlists***

To display all of the music playlists created in the Pinnacle MediaManager, select the **My Playlists** category and confirm your selection. This displays a list of all the available playlists. You now have the following options:

- If you want to play an entire playlist, select a playlist and press **Play**.
- If you select a playlist and confirm your selection, all the songs in the playlist listed.

You can play a single song by selecting and confirming it. After selecting a song and pressing the **Play** button on your remote control, all the songs on the playlist are played, beginning with the song selected.

### ***Displaying Specific Songs in a Category***

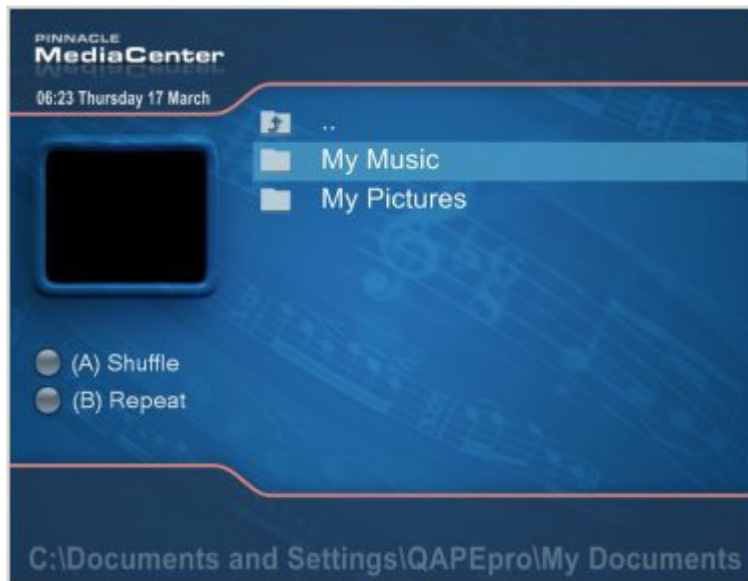
To display individual songs in a category (**Top rated**, **Most played**, **Least played**, **Not yet played**), select a category and confirm your selection. All the songs in the category are now listed on the right side of the window.

- If you only want to play one song, select it and confirm your selection.
- If you select a song and press the **Play** button on your remote control, all the songs in the category are played, beginning with the song selected.



## Browsing Your Hard Disk

When you select **Browse** from the Music menu, the following window appears:



On the right side of the window, you can browse your hard disk for music files and play them. The current path is always displayed in the Pinnacle MediaCenter window.

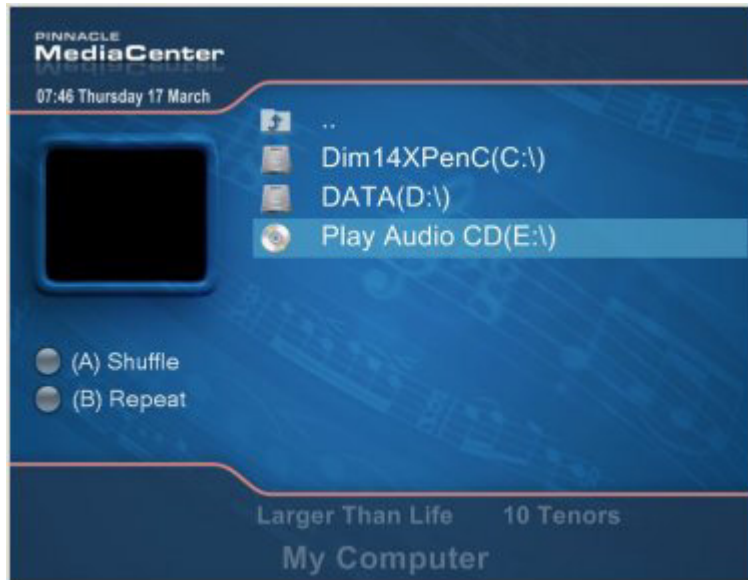
The first time you browse for music files on your hard drive, the "My Music" folder will open by default. Select and confirm the **Go Up** button to go the next higher directory on your hard disk.

- If you select a *specific directory* and confirm your selection, the contents of this directory are listed.
- If you select a *specific directory* and press the **Play** button, all the songs in this directory and its subdirectories is played.
- When you select a *single song* and confirm your selection, that song is played.
- When you select a *single song* and press the **Play** button, all the songs in this directory (without subdirectories) are played, beginning with the song you selected.



## CD/DVD

When you select **CD/DVD** from the Music menu, the following window appears:



If you have already selected the Autoplay function, CDs and DVDs will automatically be played when inserted (if the Pinnacle MediaCenter is on).

Use this menu option to play music from a CD or DVD:

If there is no CD or DVD in the corresponding drive, Pinnacle MediaCenter will prompt you to insert a CD or DVD.

If there is a CD/DVD in your CD-ROM/DVD drive, the directories and individual songs on the CD/DVD will be displayed on the right side of the window.

- If you select a *specific directory* and confirm your selection, the contents of this directory are listed.
- If you select a *specific directory* and press the **Play** button, all the songs in this directory and its subdirectories are played.
- When you select a *single* song and confirm your selection, that song is played.
- When you select a *single song* and press the **Play** button, all the songs in this directory (without subdirectories) are played, beginning with the song you selected.

Press the **C** button on your remote control to activate the **Autoplay** function. This automatically plays CDs and DVDs when they are inserted (if the Pinnacle MediaCenter is on at the same time). Press the **C** button again to deactivate this function.



## Movies Menu

### *Movie Menu Overview*

If you select **Movies** in the Pinnacle MediaCenter main screen, the following window appears:



The individual menu options give you access to the following functions:

- **New Movies:** Use this menu to watch to all the movies you have recently imported.
- **Genre and Playlists:** Use these menu options to watch a movie assigned to a specific playlist or a specific genre in the Pinnacle MediaManager.
- **All Movies:** Select this menu option when you want to list all the movies in the database or play one or more movies from the database.
- **Browse:** This menu option lets you browse your dard disk for video files and play them.
- **CD/DVD:** Here, you can play movies from CD or DVD.

The individual Movie menu functions are explained in detail in the following sections.



## **Movie Playback**

### **Playback**

To play all the movies in a category, select a specific movie from the category or the entire category and press the **Play** button on your remote control.

To play a single movie, select it and confirm your selection.

### **Rewind and Fast Forward**

During playback, you can use the **Rewind** and **Fast Forward** buttons on your remote control to access a specific location within a chapter.

### **Previous Track / Next Track**

Use the **Previous Track/Next Track** buttons to jump to the beginning of the current movies or jump to the next movie.

### **Pause**

Press the **Pause** button on your remote control to pause the movie. Continue the movies by pressing the **Pause** button again or the **Play** button.

### **Stop**

Use the **Stop** button to end the movie at any time. This also takes you back to the previous menu.

### **Volume**

To regulate the volume, use the **Volume +/-** buttons on your remote control. Press the **Mute on/off** button to turn the sound off. Turn it back on by pressing the button again.

## **Shuffle**

Each menu has a **shuffle** function:

Press the **A** button on your remote control to activate shuffle mode. Now all of the movies you have chosen in the current category (for example, in a playlist or a genre) are played back in random order. Press the **A** button again to deactivate the function and play the movies in a set sequence again.

## **Repeat**

The **Repeat** function is available in each menu:

Press the **B** button on your remote control to activate repeat mode. Now all the movies in the selected category will be played repeatedly.

Press the **B** button on your remote control to deactivate repeat mode. Now the movies will only be played once each.



### **Information Window**

In every menu option in the Movie menu, an information window for the movie currently being shown or a graphic is displayed so that you won't miss a single scene of the movie.



For more information about switching between the information window and full screen mode, refer to the chapter "Pinnacle MediaCenter Window Formats".

### **On Screen Displays**



You can configure detailed settings affecting the behavior of the On Screen Displays in the Settings menu.

When the movie is being shown in full screen mode, the title of the movie is displayed at the beginning of the movie on the lower edge of the image. This OSD disappears after a few seconds.

If you press the **?** or **Info** button (depending on the remote control) while playing the movies in full screen mode, an On Screen Display appears with the following information:

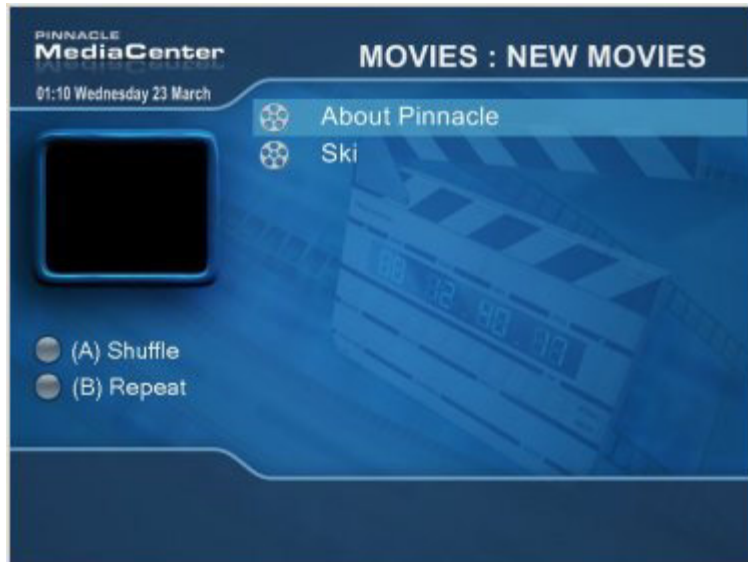
- Volume display
- Title of the previous as well as of the next movie or chapter
- The current time and date
- Index of the position of the current movie in its category
- Name of the DVD and of the chapter or movie
- The display of the time status of the current DVD or file

If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears again when you press the **?**/**Info** button again.



## ***New Movies***

When you select **New Movies** from the Movie menu, the following window appears:



On the right side of the window, you see a list of all the newly imported movies in alphabetical order.

### ***Playing Back All the New Movies***

To playback all the new movies, select **All New Movies** and confirm your selection or press the **Play** button.

When you select a single movie and press the **Play** button on your remote control, all the newly imported movies are played, beginning with the movie you selected.

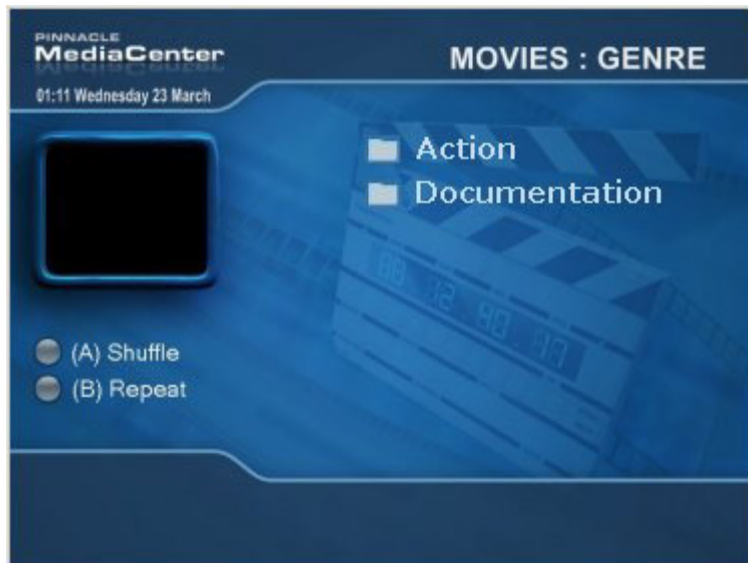
### ***Playing Back Individual New Movies***

When you select a movie and confirm, only that movie will be played.



## **Genre**

When you select **Genre** in the Movie menu, the following window appears:



On the right side of the window, all the movie genres created in the Pinnacle MediaManager are displayed in alphabetical order (for example, Action, Documentary, and Comedy).

### ***Playing Back All the Movies in a Genre***

If you want to play all the movies assigned to a certain genre, select the corresponding genre and press the **Play** button on your remote control.

When you select a genre and confirm your selection, all the movies assigned to this genre are displayed. After you select a single movie and press the **Play** button on your remote control, all the movies in the genre are played, beginning with the selected movie.

### ***Playing Back Specific Movies in a Genre***

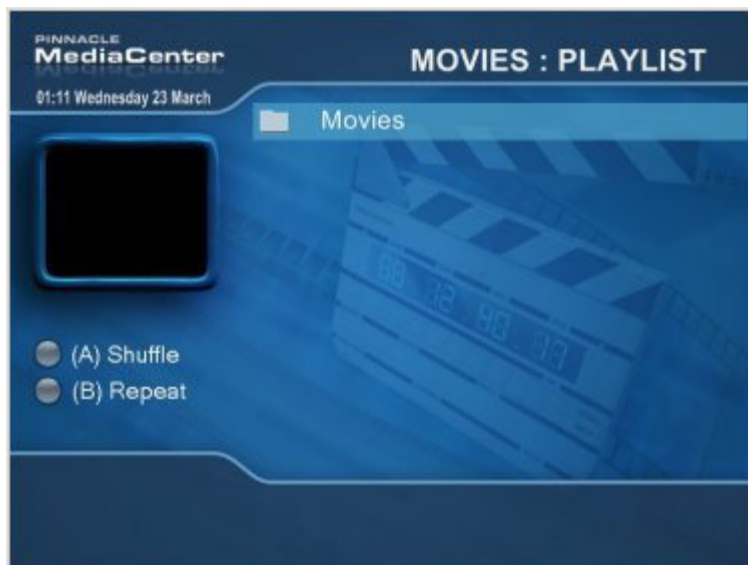
If you want to play all the movies in the database that are assigned to a certain genre, select the genre and confirm your selection. These movies are then listed on the right side of the window.

To play a specific movie, select it and confirm your selection.



## Playlists

When you select **Playlists** in the Movie menu, the following window appears:



On the right side of the window, you can choose from the following categories:

- **My Playlists:** This category lists all the movie playlists created in the Pinnacle MediaManager.
- **Top rated:** Here are all the movies that you have given top ratings to in the Pinnacle MediaManager.
- **Most played:** This category lists all the movies that have been played often in the past (this list is generated automatically).
- **Least played:** This category contains all the movies that are rarely displayed (this list is generated automatically).
- **Not yet played:** This category contains a list of all the movies that have not yet been played (this list is generated automatically).

### Displaying the Entire Category

If you want to play all the movies in an entire category, select the category (**My Playlists**, **Top rated**, **Most played**, **Least played** or **Not yet played**) and press the **Play** button on your remote control.



### ***My Playlists***

To display all of the movie playlists created in the Pinnacle MediaManager, select the **My Playlists** category and confirm your selection. This then displays a list of all the available playlists. You now have the following options:

- If you want to play an entire playlist, select a playlist and press **Play**.
- If you select a playlist and confirm your selection, all the movies in the playlist are listed.

You can play a single movie by selecting and confirming it. After selecting a movie and pressing the **Play** button on your remote control, all the movies on the playlist are played, beginning with the movie you selected.

### ***Displaying Specific Movies in a Category***

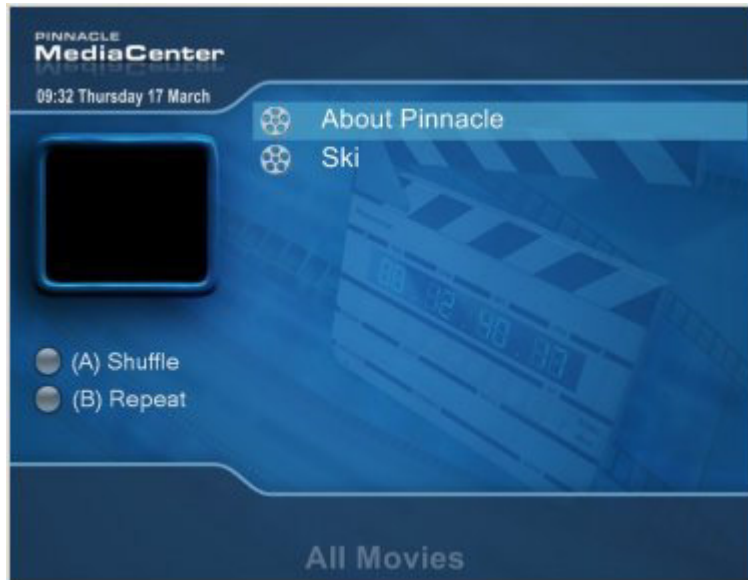
To display individual movies in a category (**Top rated, Most played, Least played, Not yet played**), select a category and confirm your selection. All the movies in the category are now listed on the right side of the window.

- If you only want to play one movie, select it and confirm your selection.
- If you select a movie and press the **Play** button on your remote control, all the movies in the category are played, beginning with the movie you selected.



### ***All Movies***

When you select **All Movies** from the Movie menu, the following window appears:



On the right side of the window, you see all of the movies in the database listed in alphabetical order.

### ***Playing Back All the Movies***

To play back all the movies, select **All Movies** and confirm your selection or press the **Play** button.

When you select a single movie and press the **Play** button on your remote control, all the movies are played, beginning with the movie you selected.

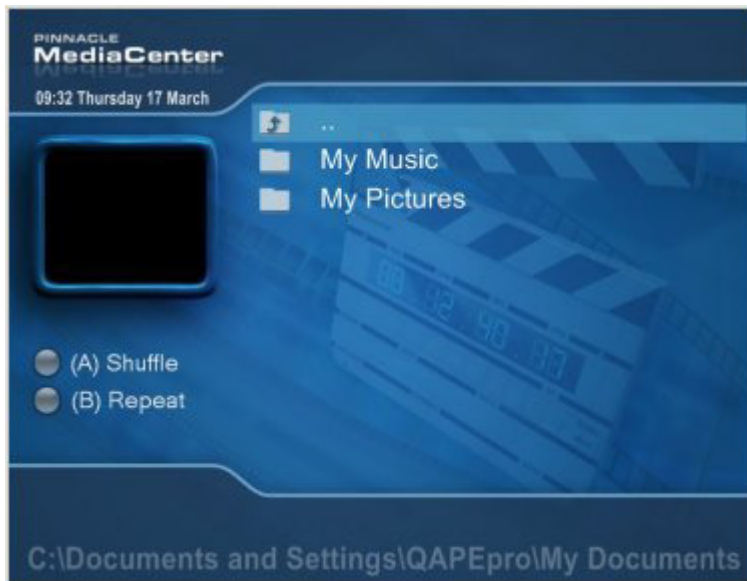
### ***Playing Back Specific Movies***

Select and confirm your selection for playing a single movie from the database.



## Browsing Your Hard Disk

When you select **Browse** in the Movie menu, the following window appears:



On the right side of the window, you can browse your hard disk for video files and play them.

The current path is always displayed in the Pinnacle MediaCenter window.

The first time you browse for video files on your hard drive, the "My Files" folder will open by default. Select and confirm the **Go Up** button to go the next higher directory on your hard disk.

- If you select a *specific directory* and confirm your selection, the contents of this directory are listed.
- If you select a *specific directory* and press the **Play** button, all the movies in this directory and its subdirectories are played.
- If you select a *single movie* and confirm your selection, the movie will be played.
- When you select a *single movie* and press the **Play** button, all the movies in this directory (without subdirectories) are played, beginning with the movie you selected.



## CD/DVD

When you select **CD/DVD** from the Movie menu, the following window appears:



If you have already activated the Autoplay function, CDs and DVDs will automatically be played when inserted (if the Pinnacle MediaCenter is on).

Use this menu option to play movies from a CD or DVD:

If there is no CD or DVD in the corresponding drive, Pinnacle MediaCenter will prompt you to insert a CD or DVD.

If there is a CD/DVD in your CD-ROM/DVD drive, the directories and individual movies on the CD/DVD will be displayed on the right side of the window.

- If you select a *specific directory* and confirm your selection, the contents of this directory are listed.
- If you select a *specific directory* and press the **Play** button, all the movies in this directory and its subdirectories are played.
- If you select a *single movie* and confirm your selection, the movie will be played.
- When you select a *single movie* and press the **Play** button, all the movies in this directory (without subdirectories) are played, beginning with the movie you selected.

Press the **C** button on your remote control to activate the **Autoplay** function.

This automatically plays CDs and DVDs when they are inserted (if the Pinnacle MediaCenter is on at the same time). Press the **C** button again to deactivate this function.



## Photo Menu

### *Photo Menu Overview*

If you select the **Photos** menu in the Pinnacle MediaCenter main screen, the following window is displayed:



The individual menu options give you access to the following functions:

- **New Photos:** Use this menu to display all your newly imported photos as single images or together in a slideshow.
- **Slide Shows:** Select this menu option to display a slideshow or to display individual photos in a slideshow.  
This means you do not have to show your friends and family an entire photo album (for example, of a specific vacation). You can present the highlights in a special slideshow.
- **Photo Albums:** Select this menu option to display photo albums as slideshows in the Pinnacle MediaManager or to display individual photos in the album.
- **By Date:** Here you can search for photos according to chronological features (year, month, day) and play them in a slideshow or display them individually.
- **Name:** Use this menu option to display the individual photos in alphabetical order or in a slideshow.
- **Browse:** Use this menu option to search your hard drive for photos and either display them individually or in a slideshow.
- **CD/DVD:** Use this menu option to display photos from a CD or DVD.



## ***Navigating a Slideshow***

### **Playback**

To start a slideshow, press the **Play** button on your remote control.

### **Previous Track, Left arrow, Up arrow**

Use these remote control buttons to skip to the previous photo in the slideshow.

### **Next Track, Right arrow, Down arrow**

Use these remote control buttons to skip to the next photo in the slideshow.

### **Rewind, Fast Forward**

Use the **Rewind** and **Fast Forward** buttons to reduce or increase the display times for each photo during a slideshow in increments of seconds.

### **Pause**

Press the **Pause** button on your remote control to pause the slideshow. Resume playing the slideshow by pressing the **Pause** button again or the **Play** button.

### **Stop**

Press the **Stop** button to end the slideshow at any time and return to the previous menu.



Use the "Settings" command to individually design your slideshow.

## ***Displaying Individual Photos***

To display an individual photo, select it and confirm your selection.

### **Previous Track, Left arrow, Up arrow**

Press these buttons on your remote control to skip to the previous photo in the category.

### **Next Track, Right arrow, Down arrow**

Press these buttons on your remote control to skip to the next photo in the category.

### **Stop, Full Screen, OK**

Press these buttons at any time to stop the photo display and return to the previous menu.



### **Shuffle**

Each menu has a **shuffle** function:

Press the **A** button on your remote control to activate shuffle mode. All the photos you select in this category (for example, of the playlist or of the album) are displayed in random order. Press the **A** button again to deactivate the function and display the photos in a set sequence again.

### **Repeat**

Each menu option has a **Repeat** function:

Press the **B** button on your remote control to activate repeat mode. Now all the photos in the selected category will be repeatedly displayed.

Press the **B** button on your remote control again to deactivate repeat mode and to display the photos once only.

### **Thumbnails**

Many menu options offer the **Thumbnail** function:

Press the **C** button on your remote control for thumbnails of all the listed photos.

Press the **C** button on your remote control again to display the photos as a list again.

### **Information Window**

Every menu option in the Photo menu displays an information window with the selected photo or the first photo in the selected category. This gives you an overview of the photos/categories listed.



To switch between the information window and full screen, refer to the chapter "Pinnacle MediaCenter Window Formats".

### **On Screen Display**



You can configure detailed settings affecting the behavior of the On Screen Display in the Settings menu.

When the photo display is set to full screen mode, the title of the current photo appears on the lower edge of the image when a new photo is displayed. This OSD disappears after a few seconds.

If you press the **?** or **Info** button (depending on the remote control) while displaying photos in full screen mode, an On Screen Display appears with the following information:

- Volume display
- Title of the previous as well as of the next photo



- Current time and date
- Index of the position of the current photo in its category
- Name of the photo and additional EXIF information (if available)
- Display of the time status of the current slideshow (if a slideshow is being displayed)

If you have not set the OSD to disappear automatically in the Settings menu, the OSD disappears again when you press the **?/Info** button again.



## ***New Photos***

When you select **New Photos** in the Photo menu, the following window appears:



On the right side of the window, you see a list of all the newly imported photos in alphabetical order.

### ***Displaying All the New Photos in a Slideshow***

To display all of the new photos as a slideshow, select **All New Photos** and confirm your selection or press the **Play** button.

Selecting a specific photo and pressing the **Play** button on your remote control starts a slideshow with all the newly imported photos, beginning with the selected photo.

### ***Displaying Specific New Photos***

If you select a photo and confirm, the photo is displayed.



## Slideshow

When you select **Slideshow** in the Photo menu, the following window appears:



On the right side of the window, you can choose from the following categories:

- **My Slideshows:** This category displays all the slideshows created in the Pinnacle MediaManager.
- **Top rated:** Here are all the photos with top ratings in the Pinnacle MediaManager.
- **Most played:** This category lists all the photos that have been played often in the past (this list is generated automatically).
- **Least played:** This category contains all the photos that are rarely displayed (this list is generated automatically).
- **Not played:** This contains a list of all the photos that have not yet been viewed (this list is generated automatically).

### **Display the Entire Category**

If you want to display the entire category as a slideshow, select the category (**My Slideshows**, **Top rated**, **Most played**, **Least played** or **Not played**) and press the **Play** button on your remote control.



### ***My Slideshows***

To display all of the slideshows created in the Pinnacle MediaManager, select the **My Slideshows** category and confirm your selection. This displays a list of all the available slideshows. You now have the following options:

- If you want to display an entire slideshow, select a slideshow and press **Play**.
- If you select a slideshow and confirm your selection, a list of all the photos in the slideshow is displayed. You can display a single photo by selecting and confirming it. After selecting a single photo and pressing the **Play** button on your remote control, a slideshow is displayed, beginning with this photo.

### ***Displaying Specific Photos in a Category***

To display individual photos in a category (**Top rated, Most played, Least played, Not played**), select a category and confirm your selection. All the photos in the category are then listed on the right side of the window.

- If you select a photo and press the **Play** button on your remote control, all the photos in the category are displayed, beginning with the photo selected.
- If you only want to look at one photo, select it and confirm your selection.



## **Photo Album**

When you select **Photo Album** in the Photo menu, the following window appears:



On the right side of the window, you see all of the photo albums in the database listed in alphabetical order.

### **Displaying the Entire Album**

To display the entire album, select it and press the **Play** button on your remote control. The photos in the album are then displayed in a slideshow.

If you select an album and confirm your selection, all of the photos in the album are displayed. When you select a single photo and press the **Play** button on the remote control, the entire album is displayed, beginning with the photo selected.

### **Displaying Individual Photos in an Album**

To display individual photos in an album, select an album and confirm your selection. All the photos in the album are now listed on the right side of the window.

If you only want to look at one photo, select it and confirm your selection.



## **Date**

When you select **Date** from the Photo menu, the following window is displayed:



On the right side of the window, you see the creation years for all the photos in the database.

## **Displaying All Photos**

If you want to see all of the photos in the database as a slideshow, select **All Years** and press the **Play** button on your remote control. All the photos in the database are now displayed in a slideshow.

To display all the photos in the database individually, click **All Years** and confirm your selection. This displays all the photos in alphabetical order.

If you select a photo and press the **Play** button on your remote control, all the photos are displayed in a slideshow, beginning with the photo selected.

If you only want to look at one photo, select it and confirm your selection.

## **Displaying Photos from a Specific Year**

If you want to see all the photos in the database taken in a specific year, select the year and press the **Play** button on your remote control. Now all the photos in the database from that year are displayed as a slideshow.

To display all the photos in the database from a specific year individually, click the specific year and confirm your selection. You now have the following option in the list that appears:

- If you select **All Months** and press the **Play** button on your remote control, all the photos from that year will be displayed in a slideshow.



- Select **All Months** and confirm your selection for a list of all the photos from that year.

If you select a photo and press the **Play** button on your remote control, all the photos from the selected year are displayed, beginning with the photo selected.

If you only want to look at one photo, select it and confirm your selection.

### ***Displaying Photos from a Specific Month***

If you want to see all of the photos in the database taken in a specific month, select a year and confirm your selection. On the right side of the window, all the months with photos in that year found in the database are displayed.

Now select a month and press the **Play** button on your remote control. Now all the photos from the selected month are displayed in a slideshow.

To display all the photos in the database from a specific month individually, select a specific month and confirm your selection. You now have the following options:

- If you select **All Days** and press the **Play** button on your remote control, all the photos from that month will be displayed in a slideshow.
- Select **All Days** and confirm your selection for a list of all photos from that month. If you select a photo and press the **Play** button on your remote control, all the photos from the selected month are displayed, beginning with the photo selected.

If you only want to look at one photo, select it and confirm your selection.

### ***Displaying Photos from a Specific Day***

If you want to see all the photos in the database from a specific day, select a year and confirm your selection. On the right side of the window, all the months with photos in the database are displayed. Now select a month and confirm your choice. On the right side of the window, all the days in that month with photos in the database are displayed.

Now select a day and press the **Play** button on your remote control. Now all the photos from that day are displayed as a slideshow.

If you want to look at individual photos from a specific day, select the day and confirm your selection.

- If you select a photo and press the **Play** button on your remote control, all the photos from a specific day are displayed as a slideshow, beginning with the photo selected.
- If you only want to look at one photo, select it and confirm your selection.



## **Name**

When you select **Name** in the Photo menu, the following window appears:



On the right side of the window, you see all of the photos in the database listed in alphabetical order.

### ***Displaying All the Photos in a Slideshow***

To display all the photos as a slideshow, select **All Photos** and confirm your selection or press the **Play** button.

If you select a specific photo and press the **Play** button on your remote control, all the photos are displayed as slideshow, beginning with the photo selected.

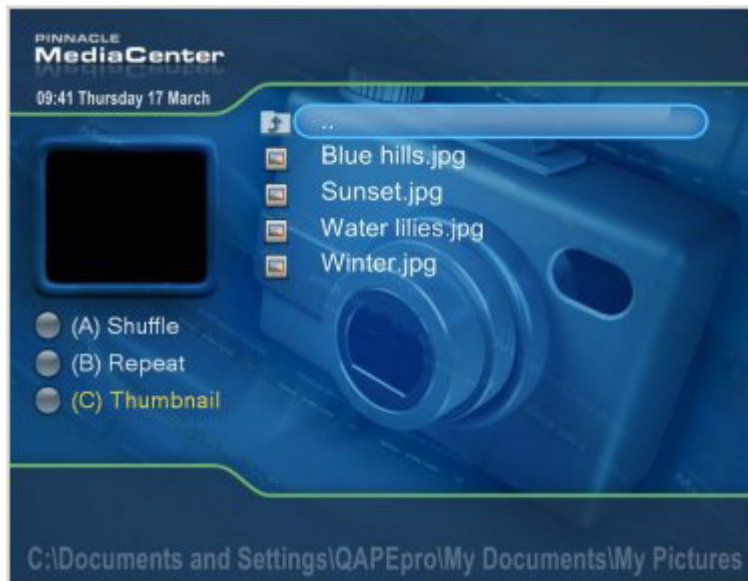
### ***Displaying Specific Photos***

If you select a single photo and confirm, the photo is displayed.



## Browsing Your Hard Disk

When you select **Browse** from the Photo menu, the following window appears:



On the right side of the window, you can browse your hard disk for photos and view them individually or in a slideshow. The current path is always displayed in the Pinnacle MediaCenter window.

The first time you browse for photos on your hard disk, the "My Pictures" folder will open by default. Select and confirm the **Go Up** button to go the next higher directory on your hard disk.

- If you select a *specific directory* and confirm your selection, a list of the contents of this directory is displayed.
- If you select a *specific directory* and press the **Play** button, a slideshow of all the photos in this directory and its subdirectories is displayed.
- If you select a *specific photo* and confirm your selection, the photo is displayed.
- If you select a *specific photo* and press the **Play** button, all the photos in this directory (without subdirectories) are displayed as a slideshow, beginning with the photo selected.



## CD/DVD

When you select **CD/DVD** from the Photo menu, the following window appears:



If you have already activated the Autoplay function, CDs and DVDs will play automatically when inserted (if the Pinnacle MediaCenter is on).

Use this menu option to display photos located on a CD or DVD:

If there is no CD or DVD in the corresponding drive, Pinnacle MediaCenter will prompt you to insert a CD or DVD.

If there is a CD/DVD in your CD-ROM/DVD drive, the directories and individual photos on the CD/DVD will be displayed on the right side of the window.

- If you select a *specific directory* and confirm your selection, the contents of this directory are listed.
- If you select a *specific directory* and press the **Play** button, a slideshow of all the photos in this directory and its subdirectories is displayed.
- If you select a *specific photo* and confirm your selection, the photo is displayed.
- If you select a *specific photo* and press the **Play** button, all the photos in this directory (without subdirectories) are displayed in a slideshow, beginning with the photo selected.

Press the **C** button on your remote control to activate the **Autoplay** function:

This automatically plays CDs and DVDs when they are inserted (if the Pinnacle MediaCenter is on at the same time). Press the **C** button again to deactivate this function.



## **Online Menu**

### ***Online Menu Overview***



This menu option is only available if you have allowed the display of online services in the Settings menu.

When you select the **Online** menu option in the main Pinnacle MediaCenter screen, you can access online services which offer an incredible variety of Internet content (for example T-Online Vision or Arcor). Among other things, you can even watch videos on demand.

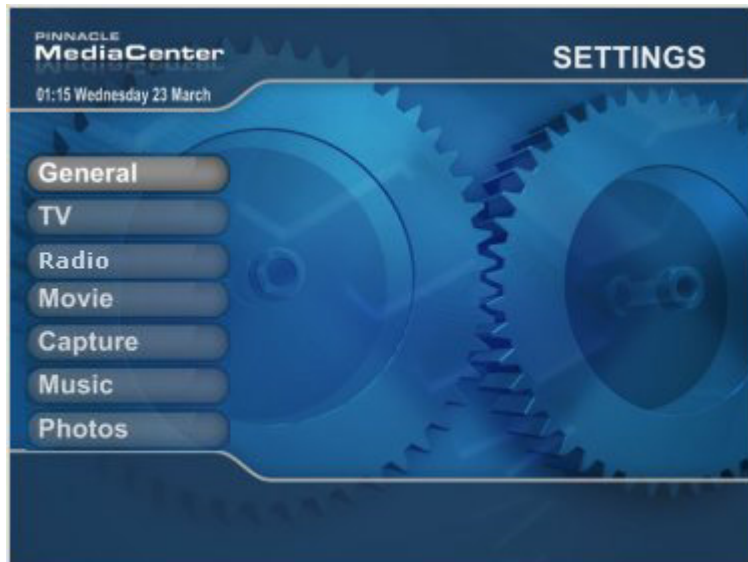
To access the Internet page of a specific online service, select it and confirm your selection or press the **Play** button.



## Menu Settings

### *Menu Settings Overview*

If you select **Settings** in the Pinnacle MediaCenter main screen, the following window appears:



You have the option of configuring the most important settings for the following menu options:

- General
- TV
- Radio
- Movie
- Capture
- Music
- Photos

The individual Settings menu areas are explained in detail in the following sections.



You can make more extensive changes in the "Advances Settings Dialog". Refer to the chapter "Advanced Settings".



### **Using the Settings Menu**

To edit a specific field in the Settings menu, proceed as follows:

- Use the arrow buttons on your remote control or the cursor keys on your keyboard to select the corresponding field.
- To activate the field, press the **OK/Confirm** button on your remote control or the **Enter** key on your keyboard.
- Press the **Up/Down** buttons or the arrow keys to move between the existing entries (for example, "Yes"/"No" or "On"/"Off") or enter a number with the keypad.
- After you have made a selection or entered a number, deactivate the field by pressing the **OK/Confirm** button on your remote control or the **Enter** key on your keyboard.
- Use the arrow buttons or the cursor keys to select another field and change the corresponding settings.
- After you have configured all the settings, select the **OK** button and confirm. The changes to the settings will now take effect.  
If you do not want to apply the changes, select **Cancel** and confirm.

### **Saving the Settings**

If you have made changes, the following window will appear when you exit the Settings menu:



If you want the changes to take effect, select **Yes** and confirm. The new settings are now active.

If you do not want to keep the changes, select **No** and confirm. This cancels the changes.

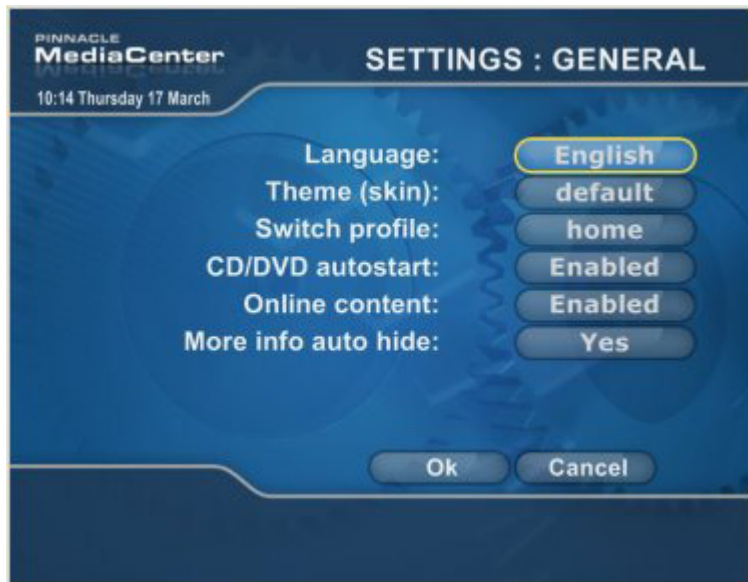
### **Information Window**

While you are in the Settings menu of the Pinnacle MediaCenter, the current TV program is displayed in the information window so you won't miss a second of your favorite show.



## **General Settings**

When you select **General** from the Settings menu, the following window appears:



Use this window to configure various general settings:

### **Parental Control**

Here you can release all movies by deactivating restricted access to media set in the Pinnacle MediaManager.

Select the access code field and use the number buttons on your remote control or the number keys on your keyboard to enter your four-digit PIN number. Restricted access is now released.

### **Language**

In this area, you can change the language settings for the Pinnacle MediaCenter.

### **Theme (skin)**

You can choose different skins for the Pinnacle MediaCenter here. After you select a new skin, the Pinnacle MediaCenter will display the new appearance.

### **Switch profile**

If you have saved different profiles for the Pinnacle MediaCenter settings on your hard disk, you can now select one of these profiles.



### ***CD/DVD autostart***

This lets you select whether a CD/DVD will start automatically when it is inserted or whether you prefer to manually start the CDs/DVDs.



Note that the automatic playback of a CD/DVD only works when the Pinnacle MediaCenter is switched on.

### ***Online content***

In this field, you can determine whether special online services (such as T-Online Vision or Arcor) should have a separate menu option or not.

### ***More info auto hide***

Here you can choose whether an OSD display, with detailed information about the current TV or radio program, the current music, the movie on TV or the photo, should automatically disappear after a few seconds. If the OSD display does not disappear automatically, you can manually hide it by pressing the **?** or **Info** button on your remote control (depending on the remote control).



## ***TV Settings***

When you select **TV** from the Settings menu, a window opens where you can configure the various TV settings.

### ***TV Hardware***

Select which installed TV hardware will be used for the Pinnacle MediaCenter.

### ***Antenna***

Use this field to select one of the available antenna types.

### ***Channel Scan***

Click this button to start a channel scan based on the last settings used.

### ***EPG Source***

You can select an EPG source here (for example, DVB or Internet).

### ***Teletext***

Use this area decide whether hidden text in the teletext window should always be shown or hidden and whether the pages should be updated automatically.



### ***Radio Settings***

When you select **Radio** from the Settings menu, a window appears where you can configure the various radio settings.

### ***Radio Hardware***

Select which installed radio hardware should be used for the Pinnacle MediaCenter.

### ***Antenna***

Use this field to select one of the available antenna types.

### ***Channel Scan***

Click this button to start a radio channel scan based on the last settings used.



## **Music Settings**

If you select **Music** from the Settings menu, the following window appears:



You can configure different music settings here:

### **Visualization**

Choose from various visualizations that can be displayed on the screen while the music is playing.

### **Display song titles**

Choose whether you want the title of the current song displayed on the screen or not.

### **Photo slide show**

Here you can select a photo playlist from the Pinnacle MediaManager as a visual background for your music.

### **Shuffle**

In this field, you can set random mode to default or not.

When random mode is active, all of the selected music titles in a category (from a playlist or album, for example) are played in random order.

You can activate or deactivate random mode at any time in the Music menu for the respective playback.



### ***Repeat***

In this field, you can set repeat mode to default or not.

When repeat mode is active, all the selected music titles in the category (from a playlist or album, for example) are played repeatedly.

You can activate or deactivate repeat mode at any time in the Music menu for the music you are playing.

### ***Start in full screen***

Here, you can determine whether you want the music visualization to be immediately set to full screen mode when music is played or if you prefer to first see this in a preview window.

### ***Internet radio***

In this field, select whether Internet radio reception should be allowed or not.



## Movie Settings

When you select **Movies** from the Settings menu, the following window appears:



Here you can configure various settings for playing movies:

### **Shuffle**

In this field, you can set shuffle mode to default or not.

When shuffle mode is on, all the movies in the category you selected (for example, in the playlist or genre) are played back in random order.

You can activate or deactivate shuffle mode at any time in the Movie menu.

### **Repeat**

In this field, you can set repeat mode to default or not.

When repeat mode is on, all the movies in the category you selected (for example, in the playlist or genre) are played back repeatedly.

You can activate or deactivate repeat mode at any time in the Movie menu.

### **Start in full screen**

You can set whether the movies will start immediately in full screen mode or first in a preview window.

### **Audio language**

You can set the language for your DVD audio playback.

### **Subtitle language**

In this field, you can select the language for your DVD subtitles.



***Menu language***

You can set the language for your DVD menu.

***Aspect ratio***

In this area, you can choose between various window formats.

***Display titles***

Enter whether you want an On Screen Display of the title of the current movie while the movie is running or not.



## **Photo Settings**

When you select **Photos** from the Settings menu, the following window appears:



Use this window to configure various photo settings:

### **Shuffle**

In this field, you can set shuffle mode to default or not.

When shuffle mode is on, all the photos in the category you selected (for example, in the playlist or genre) are displayed in random order.

You can activate or deactivate shuffle mode at any time in the Photo menu.

### **Repeat**

In this field, you can set repeat mode to default or not.

When repeat mode is on, all the photos in the selected category (for example, the playlist or album) are played repeatedly.

You can activate or deactivate repeat mode at any time in the Photo menu.

### **Start in full screen**

Here you can set whether the photos will be displayed directly in full screen mode or first in a preview window.

### **Display captions**

Enter whether to have an On Screen Display of the title of the current photo or not.

### **Transition type**

Here you can set how the photos are to be displayed and hidden.



***Slide duration***

Set the length of time each photo is displayed during a slideshow.

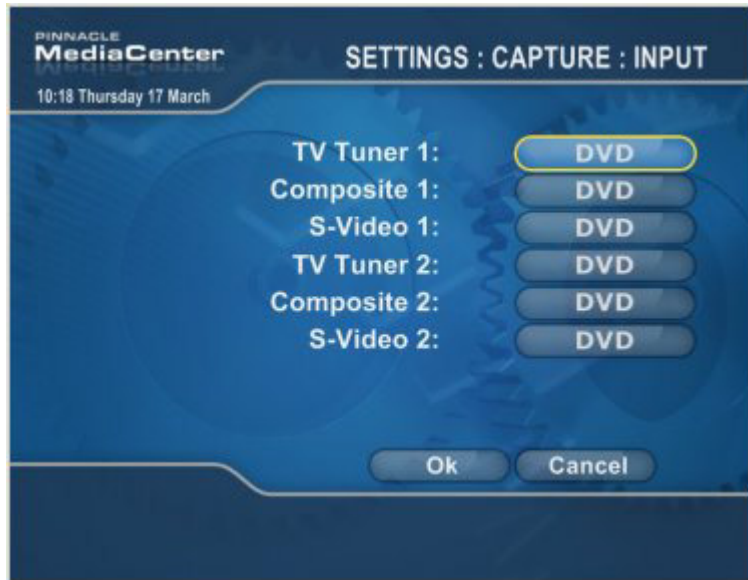
***Music playlist***

You can access the music playlists created in the Pinnacle MediaManager to select background music for your photo presentation.



## **Capture Settings**

When you select **Capture** from the Settings menu, the following window appears:



On the right side of the window, you can configure various settings for capture input:

### **TV Tuner 1**

In this field, you can select a TV tuner as the standard feed.

### **Composite 1**

Here you can select a composite video feed as the standard feed.

### **S-Video 1**

Here you can select an S-video feed as the standard feed.

### **TV Tuner 2**

If you have a second TV tuner, you can select it as the standard feed.

### **Composite 2**

If you have a second composite video feed, you can select it as the standard feed.

### **S-Video 2**

If you have a second S-video feed, you can select it as the standard feed.



## **PC View (optimized for operation with a mouse)**

### **Overview**

The Pinnacle MediaCenter PC view is optimized for use with a mouse.

While you are sitting at your desk doing other things on your PC, you can access your personal media directly with the mouse. To help you with this, you can seamlessly adjust the Pinnacle MediaCenter window in the PC view to any size you want and move it anywhere you find most convenient.

The control bars can be configured in such a way that they are only displayed if necessary so only the minimum amount of screen space for media playback is used.

### **Control Bars**

To operate the Pinnacle MediaCenter in the PC view, you have two control bars, one at the top and one at the bottom of the Pinnacle MediaCenter window. For more information, refer to the chapter "General Operating Controls".

### ***Size of the Pinnacle MediaCenter Window in the PC view***

The size of the Pinnacle MediaCenter window in the PC view can be adjusted to any size you want.

To do this, left-click and hold the mouse button down on the corner of the Pinnacle MediaCenter window and then drag the corner until the window is the size you want.

If the window exceeds normal size, the control bars can no longer be displayed. You can resize the Pinnacle MediaCenter window by either dragging the corner with your mouse to enlarge it or double-clicking the window with your mouse. This automatically sets the Pinnacle MediaCenter to normal size and the control bars can again be displayed.

### ***Positioning the Pinnacle MediaCenter Window in the PC View***

To position the Pinnacle MediaCenter window in the PC view to the area on your screen you want, left-click in the top or bottom control bar and move the window while holding down the mouse button.





## General Operating Controls

### *Upper Control Bar*



The upper control bar in the PC view contains various buttons for operating the Pinnacle MediaCenter - independent of the media type currently being accessed. For example, you can modify the size and behavior of the Pinnacle MediaCenter window, switch to the remote view or access various types of media.

The control bars can be configured in "Advanced Settings" in such a way that they are not always visible but are only displayed when you move your mouse over the Pinnacle MediaCenter window. They automatically disappear again when you move your mouse out of the Pinnacle MediaCenter window or if the cursor does not move for a few seconds.

In addition, the control bars can be placed in the task bar by clicking the  button. Click the  button in the task bar to move the control bars back to their original location.



Note that depending on your hardware and the current reception area, some buttons and their functions may be temporarily unavailable.



#### **Menu**

If you click this button, you return to the main screen of the Pinnacle MediaCenter remote view.



#### **Back**

Clicking this button will take you back to the previous page or menu selection.



#### **TV**

When you click this button, TV mode is activated and the current TV program of the channel last selected is displayed in the PC view.



#### **Radio**

When you click this button, you switch to radio mode where you hear the current broadcast of the channel last selected.





### **Browse**

When you click this button, an "Open File" dialog appears letting you browse your hard drive or a CD/DVD for the files you want to play.



### **Teletext**

Clicking this button opens the teletext window in the PC view (if teletext is available).



### **EPG**

Click this button to open the Electronic Program Guide (EPG) in the PC view (if EPG is available).



### **Always On Top**

When this button is activated, the Pinnacle MediaCenter window is always displayed in front of all the other windows on the screen.



### **Minimize**

Clicking this button minimizes the Pinnacle MediaCenter window into the task bar.



### **Fullscreen/Normal Screen**

Clicking this button lets you switch the Pinnacle MediaCenter window back and forth from full screen to a normal-sized screen.



### **Close**

This button closes the Pinnacle MediaCenter or a subwindow (for example, the teletext or EPG window).



## **Bottom Control Bar**


The bottom control bar in the Pinnacle MediaCenter PC view is dependent on the media type you have selected. Depending on whether you are currently watching TV or listening to radio or playing a DVD or a file, the buttons available will vary.

The control bars can be configured in "Advanced Settings" in such a way that they are not always visible but are only displayed when you move your mouse over the Pinnacle MediaCenter window. They automatically disappear again when you move your mouse out of the Pinnacle MediaCenter window or if the cursor does not move for a few seconds.



Since the bottom control bar can contain different operating controls depending on the media type being used, detailed descriptions of the buttons are found in the following chapters.

## **Open and Closed Bottom Control Bar**

The bottom control bar can be opened by clicking the  button. This also gives you access to additional buttons. Or you can also open the control bar by clicking the **Play/Pause** or **Record** buttons.



Clicking the  button closes the bottom control bar.

## **Positioning the Bottom Control Bar**

If the bottom control bar is docked on the Pinnacle MediaCenter window, you can move them both around or change their size as a single unit.

You can also position the bottom control bar separately. This means you can put it anywhere on the screen independent of the rest of the Pinnacle MediaCenter window. To do this, click the bottom control bar and hold down your mouse button. While holding down your mouse button, drag the control bar to the position on the screen you want.

If the bottom control bar is positioned separately, it will not disappear and cannot be resized.

In addition, the control bars can be placed in the task bar by clicking the  button. Click the  button in the task bar to move the control bars back to their original location.



### **Context Menu**

When you right-click in the Pinnacle MediaCenter window in the PC view, a context menu opens where you can make the following changes:

- When you click the **TV**, **Radio**, **Browse**, **Teletext** or **EPG** options, you can select the respective media type or display the "Open File" dialog.
- If you activate the **Dock Control** option, the bottom control bar becomes permanently docked on the Pinnacle MediaCenter window.
- Use the **View Mode** option to decide whether your Pinnacle MediaCenter window should be displayed without a border and what size and aspect ratio it have should.
- Use the **Settings** option to change the settings relating to channels, TV hardware, audio, display, and recording.



## Operating Controls While Watching TV

### *Closed Bottom Control Bar*



The closed bottom control bar gives you access to the following buttons while you watch TV:



The currently set channel is displayed in this field. You can also switch channels here:

- To do this, click the **Channel** button.
- If you have created channel lists in the "Advanced Settings", a pop-up window displays all the available channels. Clicking a channel will take you to its currently running program.
- If you have created channel lists in the "Advanced Settings", a pop-up window displays all the available channel lists. If you click a specific channel list, all the channels assigned to this group appear on the right side of the window. Clicking a channel will take you to its currently running program.
- In addition, you can switch between composite and S-video input in the lower part of the pop-up window. To do this, click the corresponding button.



The currently set audio mode is displayed in this field. If more than one audio mode is available, you can select between them here:

- To do this, click the **Audio Mode** button. This opens a pop-up window displaying all the available audio modes.
- Clicking a specific audio mode sets it.



Here, the language of the current program is displayed. If more than one language is being broadcast, you can choose between them:

- To do this, click the **Language** button. This opens a pop-up window displaying all the available languages.
- After clicking a specific language, the language of the current program is reset accordingly.





### Select up/down

Clicking these buttons switches you to the previous or to the next channel in the currently selected channel list. In addition, you have here the option of switching between composite and S-video input by clicking the corresponding button.



### Snapshot

If you click this button, a snapshot of the currently playing TV program is taken as a single image and saved in the previously indicated directory in "Advanced Settings". The file name is automatically created from the date, time, channel name, and any available EPG information.



### Volume

You can adjust the volume of your TV show individually with this slider. To do this, click the slider button and while holding the mouse button down, slide it to the position you want.

Clicking the **Mute**  button mutes the TV show soundtrack. You can turn the soundtrack back on by clicking the button again.



### Record

If you click this button, the TV program currently playing is recorded and saved in the previously indicated directory in "Advanced Settings". The file name is automatically created from the date, time, channel name, and any available EPG information.

The recording can be paused by clicking the **Record** button again or by clicking the **Stop** button.



### Play/Pause

If a timeshift recording is not currently taking place, you can start a timeshift recording by clicking the **Play/Pause** button.

During a timeshift recording, playback is paused by clicking the **Play/Pause** button. Click the button again to continue the recording.



### Minimize to the task bar


After clicking this button, the most important control bar buttons are made available in the task bar:



When you move your mouse over the "P" icon, the currently set TV channel is displayed as a Tooltip.



Clicking the "Volume" icon displays a slider which you can use to adjust the volume or mute the soundtrack.

Click the  button in the task bar to move the control bars back to their original location.

 **Open the bottom control bar**

Clicking this button opens the bottom control bar.



### Opened Bottom Control Bar

If you click the  button while watching TV, the bottom control bar opens:



The following additional functions are now available:



**Back**

These buttons can only be selected if a timeshift recording is currently running. Clicking the **Back** button starts the playback of the timeshift recording from the beginning.



**Stop**

This button is only available if a recording is currently being made or you are in timeshift mode. You can then end the currently running recording by clicking **Stop**.



**Record**

If you click this button, the TV program currently playing is recorded and saved in the directory previously indicated in "Advanced Settings". The file name is automatically created from the date, time, channel name, and any available EPG information.

The recording can be paused by clicking the **Record** button again or by clicking the **Stop** button.



**Play/Pause**

If a timeshift recording is not currently taking place, you can start a timeshift recording by clicking the **Play/Pause** button.

During a timeshift recording, playback of the timeshift recording is paused by clicking the **Play/Pause** button. Click the button again to continue the recording.



**Rewind/Fast forward**

These buttons are only available if a timeshift recording is currently running.

Clicking the **Rewind** and **Fast Forward** buttons allows you to move back and forth within the timeshift recording. If you click once, the recording runs at double speed. If you click twice, the recording runs at quadruple speed. Three clicks results in 8x speed, and four clicks in 16x speed. One more click lets the recording run at normal speed again.

To pause rewind/fast forward, click the corresponding button until the recording plays at normal speed or click the **Play/Pause** button.

**Previous Track/Next Track**

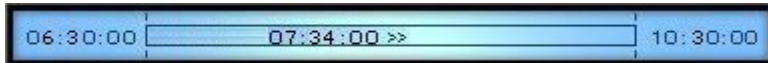
These buttons are only available if a timeshift recording is currently running.

With the **Previous Track** and **Next Track** buttons, you can jump back and forth in the timeshift recording within a time interval set in the "Advanced Settings".

**Live TV**

This buttons is only available if a timeshift recording is currently running.

Click this button to return to the live position in the current program. The timeshift recording continues to be recorded and can be played back at any time.

**Timeshift timeline**

This field tells you the following information:

- The start time of the timeshift recording, rounded up to the next half hour (here: 6:30 AM).
- The maximum timeshift position, at which the timeshift recording will pause or start from the beginning (here: 10:30 AM). This is dependent on the maximum available disk space that you can set for timeshift recordings in "Advanced Settings".
- The end of the status bar marks the current position of live TV. You can also see how much disk space has already been used for the timeshift recording or how much free disk space is still left.
- The current position of the timeshift playback (here: 7:34 AM).

In addition, you can jump to any position within the timeshift recording. To do this, click and hold your mouse button on the position indicator for the timeshift playback and drag it to the position you want within the recording.





**Signal strength**

When you click this button, a window with additional channel information appears.



**Close the bottom control bar**

Clicking this button closes the bottom control bar.



## Operating Controls During DVD Playback

### *Closed Bottom Control Bar*



The closed bottom control bar gives you access to the following buttons while you play a DVD:



**DVD title**

The title of the currently playing DVD is displayed in this field. You can also switch to a specific chapter on the DVD from here:

- To do this, click the **DVD title** button.
- Now, all the chapters on the DVD currently inserted are listed in a pop-up window. When you click a chapter, playback of the selected chapter starts.



**Audio mode**

The currently set audio mode of the DVD is displayed in this field. If more than one audio mode is available, you can select between them here:

- To do this, click the **Audio Mode** button. This opens a pop-up window displaying all the available audio modes.
- Clicking a specific audio mode sets it.



**Language**

The language of the current DVD is displayed here. You can also change the language for the soundtrack of the currently playing DVD in this field:

- To do this, click the **Language** button. This opens a pop-up window displaying all the available languages.
- After clicking a specific language, the language of the current DVD soundtrack is reset accordingly.



**Drive**

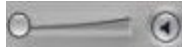
Clicking these buttons lets you switch between the DVD and the CD-ROM drive. If only one drive is present, these buttons are not available.






#### **Snapshot**

If you click this button, a snapshot of the currently playing DVD is taken as a single image and saved in the directory previously indicated in "Advanced Settings". The file name is automatically created from the date, time, and DVD title.



#### **Volume**

You can adjust the volume of the DVD playback with this slider. To do this, click the slider button and while holding the mouse button down, slide it to the position you want.

Clicking the **Mute**  button mutes the sound of the DVD playback. You can turn the soundtrack back on by clicking the button again.



#### **Play/Pause**

Clicking the **Play** button starts the playback of a DVD. This button then changes to a **Pause** button.

You can pause DVD playback by clicking the **Pause** button. Clicking it again resumes playback.




#### **Minimize to the task bar**

After clicking this button, the most important control bar buttons are made available in the task bar:



When you move your mouse over the "P" icon, the title of the currently playing DVD as well as the current chapter are displayed as a Tooltip .

Clicking the "Volume" icon displays a slider which you can use to adjust the volume or mute the soundtrack.

Click the  button in the task bar to move the control bars back to their original location.



#### **Open the bottom control bar**

Clicking this button opens the bottom control bar.



## Opened Bottom Control Bar

If you click the  button while watching a DVD, the bottom control bar opens:



The following additional functions are now available:



**Back**

Click this button to playback the currently running DVD from the beginning.



**Stop**

Click this button to pause the current DVD playback and return to the main menu on the DVD.



**Play/Pause**

Clicking the **Play** button starts the playback of a DVD. This button then changes to a **Pause** button.

You can pause DVD playback by clicking the **Pause** button. Clicking it again resumes playback.



**Rewind/Fast forward**

Clicking the **Rewind** and **Fast Forward** buttons lets you move back and forth in a DVD at an increased speed and therefore lets you access different areas within the DVD. If you click once, the DVD runs at double speed. If you click twice, the DVD runs at quadruple speed. Three clicks results in 8x speed, and four clicks in 16x speed. One more click lets the DVD run at normal speed again.

To pause rewind/fast forward, click the corresponding button until the DVD plays at normal speed or click the **Play/Pause** button.



**Previous Chapter/Next Chapter**

Use the **Previous Chapter/Next Chapter** buttons to jump back and forth between consecutive chapters.





#### **Main menu**

Clicking this button opens the main menu of the current DVD.



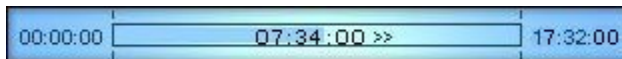
#### **Language**

After clicking this button, a dialog window opens where you can set the language for the soundtrack, the subtitles, and the menus of your DVD.



#### **Camera Angle**

If your DVD offers different camera angles, click this button to open a pop-up menu where you can select between the camera angles available.



#### **Timeline**

This field tells you the following information:

- The beginning of DVD playback (here: 0:00)
- The end of the DVD (here: 17:32)
- The current position within the DVD (here: 7:34) as well as the current chapter. You can see here how much of the DVD has already been played back or how much is still left.
- The marks within the time status bar indicate the transitions between the individual chapters.

In addition, you can jump to any position within the DVD. To do this, click and hold your mouse button on the position indicator and drag it to the position you want within the timeline.

If you right-click in the timeline, the remaining playback time will be displayed.



#### **Close the bottom control bar**

Clicking this button closes the bottom control bar.



## Operating Controls During File Playback

### *Closed Bottom Control Bar*



The closed bottom control bar gives you access to the following buttons while you play an audio or video file:



**File name**

The name of the current file is displayed in this field. When you play back all the files in a specific directory, you can also switch between the files here:

- To do this, click the **File name** button.
- Now, all the files in the current directory are listed in a pop-up window. If you click a file, the selected file is played back.



**Play/Pause**

Clicking the **Play** button starts the playback of a file. This button then changes to a **Pause** button.

You can pause file playback by clicking the **Pause** button. Clicking it again resumes playback.




**Snapshot**

If you click this button, a snapshot of the currently playing video file is taken as a single image and saved in the directory previously indicated in "Advanced Settings". The file name is automatically created from the date, time, and file name.



**Volume**

You can adjust the volume of the file playback with this slider. To do this, click the slider button and while holding the mouse button down, slide it to the position you want.

Clicking the **Mute**  button mutes the sound of the file playback. You can turn the soundtrack back on by clicking the button again.






### **Minimize to the task bar**

After clicking this button, the most important control bar buttons are made available in the task bar:



When you move your mouse over the "P" icon, the name of the file currently being played back is displayed as a Tooltip.

Clicking the "Volume" icon displays a slider which you can use to adjust the volume or mute the soundtrack.

Click the  button in the task bar to move the control bars back to their original location.




### **Open the bottom control bar**

Clicking this button opens the bottom control bar.



### **Opened Bottom Control Bar**

If you click the  button while playing back a file, the bottom control bar opens:



The following additional functions are now available:



**Back**

Click this button to play back the current file from the beginning.



**Stop**

Click this button to pause the file currently being played back and return to the previous mode in the Pinnacle MediaCenter.



**Play/Pause**

Clicking the **Play** button starts the playback of a file. This button then changes to a **Pause** button.

You can pause file playback by clicking the **Pause** button. Clicking it again resumes playback.



**Rewind/Fast forward**

Clicking the **Rewind** and **Fast Forward** buttons lets you move back and forth in a video file at an increased speed, therefore letting you access different areas within the file. If you click once, the video runs at double speed. If you click twice, the video runs at quadruple speed. Three clicks results in 8x speed, and four clicks in 16x speed. One more click lets the video file run at normal speed again.



**Previous file/Next file**

Use the **Previous file/Next file** buttons to move from file to file in the current directory.



**LANGUAGE ▾ Language**

If subtitles are available for the current file and you click this button, a dialog window appears where you can set the language for the subtitles.



This field tells you the following information:

- The beginning of file playback (here: 0:00)
- The end of the file (here: 17:32)
- The current position within the file (here: 7:34). You can see here how much of the file has already been played back or how much is still left to play back.

In addition, you can jump to any position within the file. To do this, click and hold your mouse button on the position indicator and drag it to the position you want within the timeline.

If you right-click in the timeline, the remaining playback time is displayed.

**▴ Close the bottom control bar**

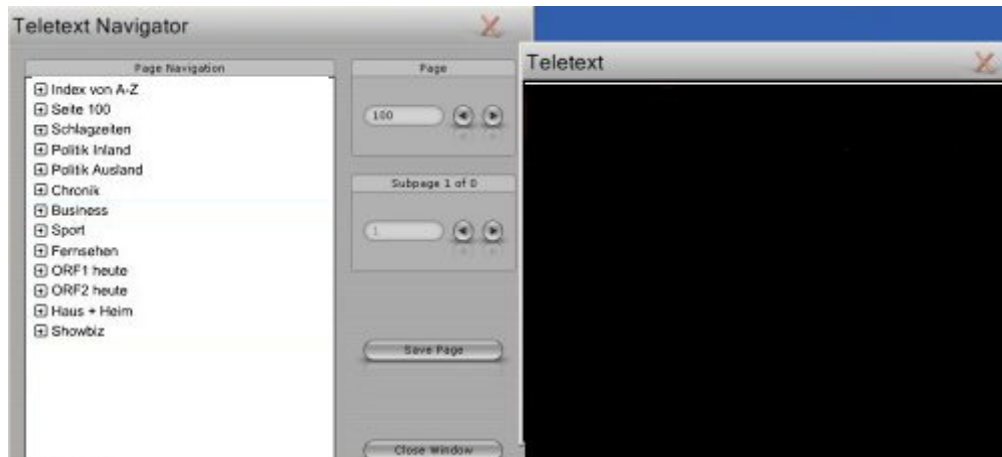
Clicking this button closes the bottom control bar.



## Teletext

### Overview

If you click the **Teletext** button in the upper menu bar, the teletext window opens in the PC view (if teletext is available):



Teletext can consist of two windows. In the left window, you will see the TOP text and the operating controls for navigating in teletext. To the right is the teletext window where the teletext pages and subpages are displayed.

When there is enough space on the screen, the TV program showing on the current channel is displayed next to the teletext area. This lets you read teletext and watch TV at the same time.



For general information about teletext and TOP text, refer to the "Teletext" chapter.

### Positioning the Teletext Window

Both the teletext window as well as the TV window (if this is displayed) can be coupled to each other and then moved together on the screen as a single unit.

Or you can also position the windows separately. This means you can put one of the windows anywhere on the screen independent of the other window. To do this, click the corresponding window and hold down your mouse button. While holding down your mouse button, drag the window to the position on the screen you want.

If the teletext window can be moved separately, you can also resize it. To do this, left-click and hold the mouse button down on the corner of the window and then drag the corner until the window is the size you want.



### ***Bottom Control Bar***

In teletext mode, the buttons for operating the TV are located in the bottom control bar so that you can keep track of both the teletext and your TV program at the same time.

### ***Closing a Teletext Window***

When you close the TOP text window by clicking the **Close** button in the upper control bar, the teletext window will continue to be displayed.

When you close the teletext window by clicking the **Close** button in the upper control bar, the entire teletext window is closed and the currently showing TV program is displayed in the Pinnacle MediaCenter window.



## **Navigating Teletext**

### **Navigating teletext using TOP text**

TOP text lets you quickly and effectively navigate through teletext. After clicking a TOP text entry, the corresponding page is displayed in the teletext window.

If no TOP text is available, a selection of possible teletext pages that you can also click for access is listed in the TOP text window.



If a topic in TOP text has additional subtopics (indicated by a "+" before the topic title), you can open the list of all subtopics by clicking the "+". If you click the "+" again, the list of all the subtopics is hidden.

### **Navigating teletext using the operating controls**

In the right part of the TOP text window, there are several buttons that you can use to navigate teletext:





The page number of the current teletext page is displayed in this field.

To change the teletext page, click the  button or  button to access either the previous or the next teletext page.

Or you can click the teletext page number display and enter the desired page number directly using your keyboard.



If the currently selected teletext page has subpages, the page number of the current teletext subpage is displayed in this field.

To change the teletext subpage, click the  button or  button to access either the previous or the next teletext subpage.

Or you can click the teletext subpage number display and enter the desired page number directly using your keyboard.



When you click this button, an "Open File" dialog opens where you can save the current teletext page as an ASCII text file. The file name is created by default from the current date, time, channel name, and teletext page number.



Clicking this button closes the entire teletext and displays the program showing on the current TV channel in the Pinnacle MediaCenter window.



**Accessing pages directly**

To access a teletext page or subpage, you can also enter the page number directly with your keyboard.



## Electronic Program Guide (EPG) and Recording

### Electronic Program Guide (EPG)



This menu is only available if you have access to an EPG service.

If you click the **EPG** button in the upper control bar, the Electronic Program Guide opens in the PC view:



The Electronic Program Guide offers you a complete overview not only of the current but also of the future TV schedule. This also lets you record TV shows quickly and simply.

### EPG Program List

In the middle part of the window, you see the EPG program list, which is sorted either according to time or according to channel.

You can move up or down in the EPG program list by clicking the scroll bar or by clicking the scroll bar and, at the same time, holding down the mouse button to slide the scroll bar up or down.

Colored symbols indicate the status of a program. Currently running recordings, shows scheduled to be recorded, already recorded shows or TV shows currently being broadcast are marked using different symbols.

An information window on the lower edge of the screen displays information about the selected show.




### **Sorting a EPG Program List**


You can sort the EPG program list according to time or according to channel:

#### **Sorting the EPG program list by time**

When you click the **Time** button, the current time is displayed in the **Time** field and all the programs scheduled to be broadcast at the current time are listed in the program list.

You can now adjust the time information and then display the TV listings of all the available TV channels at one of the times you have indicated:


To do this, click the  buttons next to the **Time** field. The time is changed by hour increments and the shows, which are to be broadcast at the newly chosen time, are now included on the EPG list.

To view the TV schedule of a different day, click the  button. If you click on a specific day in the calendar window which opens, the program that will be broadcast at the indicated time on the day you have chosen appears in the EPG list (if this information is available).

#### **Sorting the EPG program list by channel**

After you select the **Channel** button and confirm it, the current channel is displayed on the upper edge of the screen and the schedule of the current channel appears in the program list, beginning at the current time.

You can now select another channel and display the schedule for this channel:

- To do this, click the **Channel** field.
- All the available channels are displayed in a pop-up window. Clicking a channel enters it in the **Channel** field and the TV schedule for that channel is displayed in the program list.
- If you have created channel lists in the "Advanced Settings", a pop-up window displays all the available channel lists. If you click a specific channel list, all the channels assigned to this group appear on the right side of the window. Clicking a channel enters it in the **Channel** field and the TV schedule for that channel is displayed in the program list.
- Or you can also select a channel by clicking the **Previous/Next Channel** buttons  next to the **Channel** field and switching from the previous or to the next channel in the channel list. The TV schedule of the corresponding channel is now displayed in the program list.

### **Accessing a Schedule in the EPG Program List**

If you would like to see a program currently being broadcast, click the corresponding schedule in the EPG list, and the program will be displayed in the PC view.



### ***Recording a Program from the EPG Program List***

Using the EPG function, it is easy to record a program.

To do this, click the desired program in the EPG program list and then click the **Record** button. A program that is currently being shown is recorded immediately. The recording for a future program is scheduled.



You can tell whether a show is currently being recorded or if a show is scheduled to be recorded by the record icon in the EPG channel list.

### ***Pausing, Editing or Deleting Recordings in the EPG Program List***

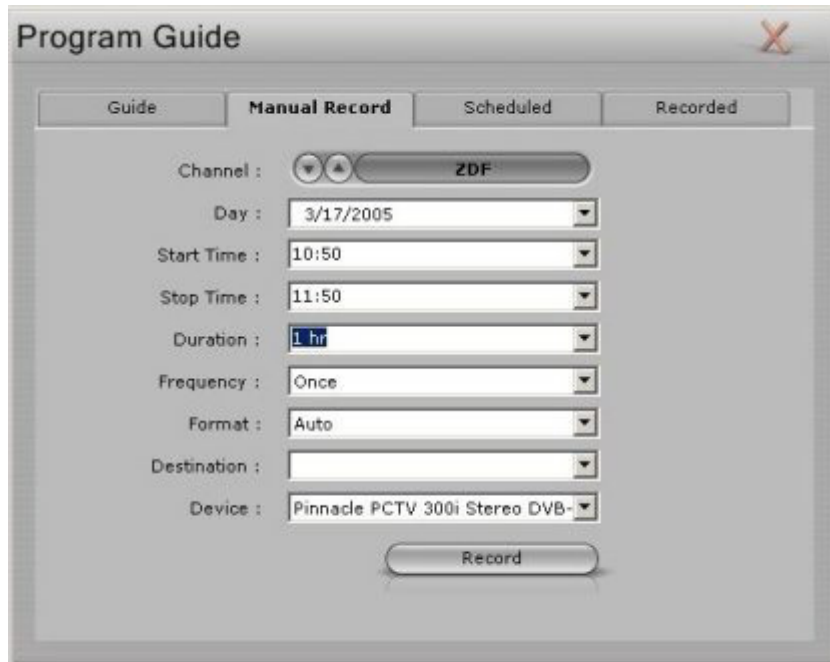
You can edit or delete recordings being made right now or recordings scheduled in the future in the EPG menu directly.

To do this, click the program you want and then click the **Edit** button. In the window that now appears, you can pause, edit or delete the recording (refer to the chapter "Manual Recording")



## Manual Recording


To schedule a recording manually, click the **EPG** button in the upper task bar and click the **Manual Record** tab in the window that now appears:



For a scheduled recording, enter the following information:


### Channel

Enter the channel of the program to be recorded in this field:

- To do this, click the **Channel** field.
- All the available channels are displayed in a pop-up window. Clicking a channel enters it in the **Channel** field.
- If you have created channel lists in the "Advanced Settings", a pop-up window displays all the available channel lists. If you click a specific channel list, all the channels assigned to this group appear on the right side of the window. Clicking a channel enters it in the **Channel** field.
- Or you can also select a channel by clicking the **Previous/Next Channel** buttons  and switching from the previous or to the next channel in the channel list.

### Day


In this field, enter the day your recording should take place.

- To do this, you can enter a date directly using the number keys on your keyboard.
- Or click the  button. If you click a specific day in the calendar window that now appears, this day is entered automatically in the **Day** field.




**Start Time**

Here, enter the time the scheduled recording should start.

- To do this, enter a four-digit time directly using the number keys of your keyboard (hours:minutes).
- Or you can click the  button. In the window that now appears, a list of times in half-hour increments is displayed. If you click a specific time, this will be entered automatically in the **Start Time** field.


**Stop Time**

In this field, enter at what time the scheduled recording should stop.

- To do this, enter a four-digit time directly using the number keys on your keyboard (hours:minutes).
- Or you can click the  button. In the window that now appears, a list of times in half-hour increments is displayed. If you click a specific time, this will be entered automatically in the **Stop Time** field.

**Duration**

Here, you decide how long the scheduled recording should last.


- To do this, enter a time in minutes directly using the number keys on your keyboard.
- Or you can click the  button. In the window that now appears, a number of time periods are displayed. If you click a specific time period, this will be entered automatically in the **Duration** field.



Note that after entering the start time and the stop time, the duration is automatically calculated. After entering the start time and the duration of a recording, the stop time is automatically calculated.

**Frequency**


Here you can select the frequency your recording should be repeated (for example, once, daily or weekly).

- To do this, click the  button and then click a frequency in the pop-up window that now appears. This will then be automatically entered in the **Frequency** field.

When you select **Suspend**, you can suspend a regularly scheduled recording, for example, when the program schedule changes.

**Format**


In this field, enter the recording format you want.

To do this, click the  button and then click the format you want in the pop-up window that now appears. This will then be entered automatically in the **Format** field.



**Destination**

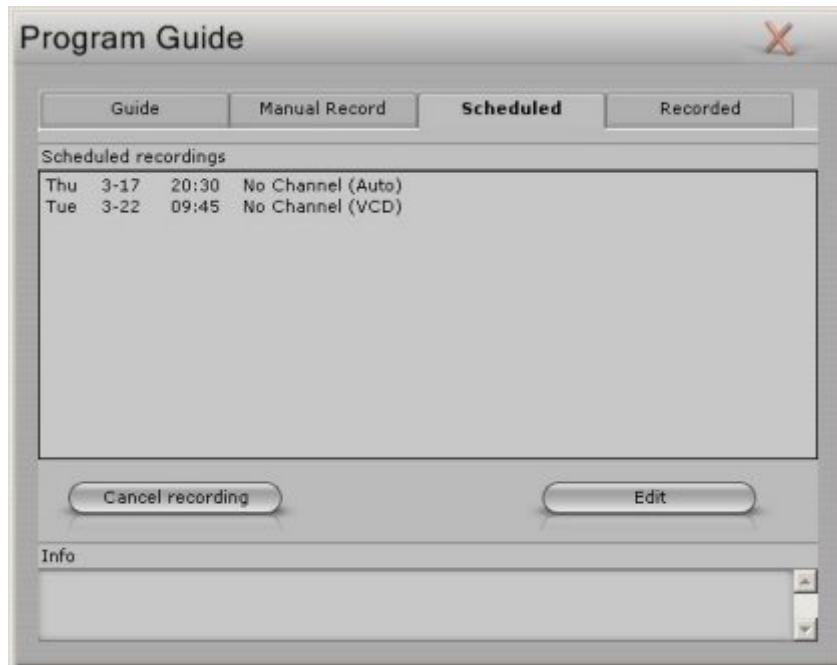
Here, select whether you would like to save your recording on your hard drive or on DVD.

To do this, click the  button and then click **Hard disk** or **DVD** in the pop-up window that now appears. This will then be entered automatically in the **Destination** field.



## **Scheduled Recordings**

If you would like to edit or cancel a previously scheduled recording, click the **EPG** button in the upper control bar. In the window that now appears, click the **Scheduled** tab:



All of your scheduled recordings including recording times are displayed here. Click the recording to select it so you can edit or cancel it.

More information about the selected scheduled recording is located at the bottom of the window.

## **Cancelling Scheduled Recordings**

If you would like to cancel a scheduled recording, click the corresponding recording and then click the **Cancel** button. If you click **Yes** in the dialog window that now appears, the recording schedule settings will be deleted and the recording will be not take place.

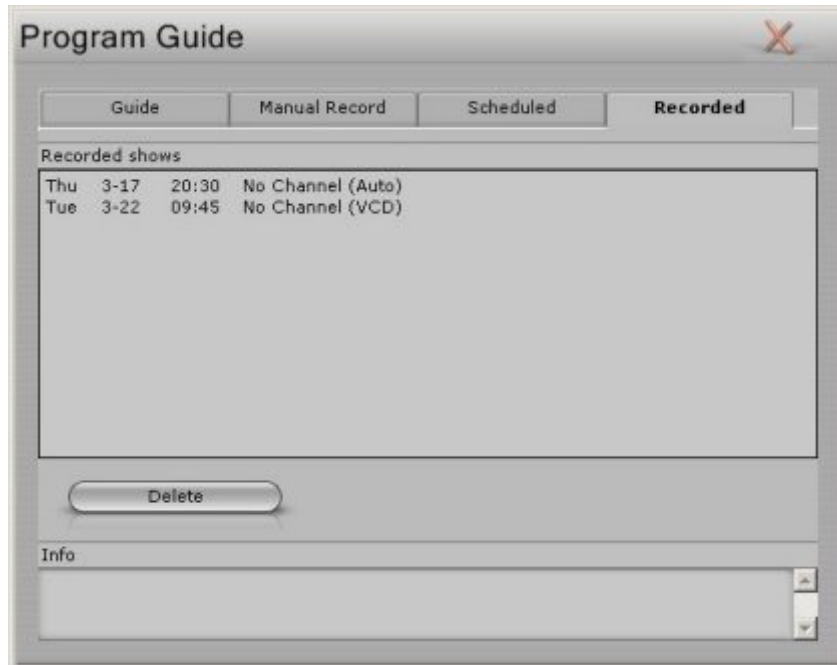
## **Editing Scheduled Recordings**

If you would like to edit the scheduled recording (for example, to change the recording time or the date), click the corresponding recording and then click the **Edit** button. The settings for this recording are displayed and you can now edit them (for more information, refer to the chapter "Manual Recording").



## Recording

To get an overview of all the previous and saved recordings, click the **EPG** button in the upper control bar and then the **Recorded** tab:



Here, you see all the currently available recordings including information about the recording date and time.

You also see further information for each selected recording in the information window on the lower edge of the screen.

If you would like to delete a recording, click the corresponding recording and then click the **Delete** button. If you click **Yes** in the dialog window that now appears, the recording will be deleted.



# Technical Support

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## Getting Technical Support



If problems should occur with your Pinnacle Systems product, please check first that the latest version of the software has been installed on your computer system.

Pinnacle Systems provides a free, round-the-clock service, which enables users to rectify problems themselves. You will be able to find answers to your questions seven days a week, right around the clock.

You will find this technical support at:

<http://www.pinnaclesys.com>

Click **Support** and select your product from the product list. Select your product again in the **Interactive Support** category. You will then be able to choose from the following support options:

### 1. Frequently Asked Questions

This is the best way of obtaining answers to your questions. Here you will find hundreds of technical problems and their solutions sorted by subject areas.

These are shown in the order of the 20 most frequently read questions. In addition, you can also sort the documents according to problem categories. To do this, use the pull-down **Category** menu.

Please use the search function to obtain answers to special questions.

### 2. Ask a Question and Get an Answer

Simply enter your question or the symptoms of your problem and you will obtain a list of the most obvious solutions. If you do not obtain a satisfactory solution, please rephrase your question. For example, instead of "I get error messages" you could enter "I get error messages when installing the software".

Instead of entering a specific question, you can select one of the main functions listed for your product or a general subject area from the pull-down **Category** list. The ten most frequently asked questions and the appropriate solutions in the category that you have selected will then be displayed.

### 3. E-mail Support

If you are unable to find an answer to your questions with the help of our Web site, Pinnacle Systems also offers technical support by e-mail. E-mails will be answered as quickly as possible. Please use the **Ask a Question** box for this



purpose. Before the e-mail is submitted, five solutions to your problem will be suggested. Please read these carefully, as more than 70% of customers find suitable answers in these proposed solutions.

#### **4. Discussion Forum**

More than 100,000 registered users make use of this free service. Visit the Pinnacle Systems online discussion forum to see whether your question has already been asked and a suitable answer found. To use the service, ask your question in the discussion forum and you will receive help from Pinnacle Systems or other users.

A search function is provided in the discussion forum. If you enter "poor picture", for example, contributions on this subject will be displayed.



When you make use of Pinnacle Systems technical support, you should have all the technical information about your computer configuration ready at hand.



# License Agreement

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# Glossary

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## #

**16:9-Format:** Also called widescreen. Television format where the width-to-height ratio of the display area is 16:9 instead of 4:3. When broadcast for television, part of the picture is broadcast in black (black bars on top and bottom of the picture) to make it compatible with the traditional 4:3 format. The first line of the TV picture contains additional code that instructs any 16:9 television to enlarge the picture (see also "4:3 format")

**4:3 format:** This is the traditional television format. The width-to-height ratio of the display area is 4:3.(see also "16:9 format")

## A

**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")

**AVI:** Abbreviation for "Audio Video Interleaved", the standard format for digital video on PCs. (see also "Video for Windows")

## B

**BMP:** Abbreviation for "BitMaP". Microsoft Windows standard format for pixel graphics.

## C

**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.

**CoDec:** Acronym for Compressor/Decompressor, compresses (packs) and decompresses (unpacks) image data.

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

**Content:** Content is the information contained in a message or a Web site that does not consist of structures or formats. This term applies to all media, including texts, data and images to audio information and videos.



## **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).

**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")

**Dial-up connection:** A dial-up connection is the most common type of consumer Internet connection. A modem connects the computer to the Internet provider's system via the telephone line. The provider's system is normally connected to the Internet via an ISDN line. (see also "Modem" and "ISDN")

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

**Digital video:** Digital video stores information as bits in a file. This differs from the method used by analog storage media such as VCRs.

**DSL:** Short for "Digital Subscriber Line". This technology allows users with DSL modems to download up to 6 Mbps and upload 0.6 Mbps over short distances of 3 miles or less. DSL connects using copper landlines.

**DTV:** Abbreviation for "Digital TeleVision Broadcasting". (see also "Digital Television" or "DVB")

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

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

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

**DVD:** Short for "Digital Versatile Disc", formerly known as "Digital Video Disc". An optical storage medium with more capacity and bandwidth than a CD-ROM. DVDs are commonly used for multimedia and data-storage applications.

## **E**

**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")



## F

**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.

**Filesharing:** Filesharing refers to any exchange of data between two or more computers over the Internet. There are currently many filesharing programs available on the Internet, many of which can be used for free.

**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")

## G

**GIF:** Abbreviation for Graphics Interchange Format. This graphics format was developed by CompuServe as a high-compression format for transmitting images without losing any data. The most important graphics element on the Internet. The GIF format only has 256 colors because only 8 bits go into storing each dot. GIFs are ideal formats for animations.

## H

**HTML:** Abbreviation for "HyperText Markup Language". A document standard developed during the World Wide Web project that provides a simple logical structure for titles, headings, paragraphs, numbering, forms, tables and mathematical formulas as well as a language for defining hypertext links.

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

## I

**IDE:** Abbreviation for "Integrated Drive Electronics". IDE is a parallel interface used to connect hard-disk drives, CD drives, tape devices and floppy drives. Advanced IDE hard drives have a IDE controller built into the hard-drive housing.

**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 for "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.

**ISDN:** Abbreviation for "Integrated Services Digital Network". A digital telephone network that, unlike analog modems, transmits digital data. With bit rates of 64 bps, ISDN transmits data much faster and more accurately than modems.

## **J**

**JPEG:** Abbreviation for Joint Photographic Experts Group. The data extension is "JPG". Graphics-compression method developed by C-Cube Microsystems. This pixel image format offers 24-bit color depth and is especially suited for photos and photorealistic images with many different shades and hues. Because it exploits some of the physiological characteristics of human sight and permits data losses that are invisible to the naked eye, it attains extremely high compression rates.

**JPG:** See "JPEG".

## **L**

**LAN:** Abbreviation for "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**

**M3U Format:** M3U (file extension ".m3u") is the standard data format in which Winamp and other playlists are saved.

**Modem:** Abbreviation for "MODulator DEModulator". A device that converts digital signals ("the computer's language") to analog signals ("the telephone's language") and vice versa. Modems are used to connect to the Internet using a dial-up connection.

**MOV:** Name given to Quicktime-formatted videos.

**MP3:** MP3 is an audio format that provides relatively good sound (compared to the uncompressed original) and very high compression rates. It is an excellent way to store and share music data over the Internet. Many MP3 players support this format and allow users to store hours of sound at almost full-range HiFi quality in just a few megabytes.



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

**MPEG 4 AVI:** Video format with extremely high compression.

## **N**

**NTSC:** Abbreviation for "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 for "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")

**PCMCIA:** Abbreviation for "Personal Computer Memory Card International Association". A PCMCIA card is a lightweight, removable module about the size of a credit card that provides additional functionality to a portable computer. The module may expand existing RAM or hard-drive space or provide network functionality.

**Peer-to-peer (P2P):** Peer-to-peer filesharing sites are Internet forums that offer freely available media files. There are more than 70 such forums online.

**PHP:** The abbreviation PHP officially stands for "Hypertext Preprocessor". PHP is a widely used scripting language designed for general use. It can be embedded in HTML and is ideal for Web applications. PHP is easy to learn, offers excellent database and Internet-Protocol interfaces and supports many additional function libraries. PHP is the ideal development tool for creating dynamic Web content.

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

**PiP:** Abbreviation for "Picture in Picture."

**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")

**PNG:** Abbreviation for Portable Network Graphics. Graphics format for bit-mapped images that supports interlacing and offers 24-bit color depth and lossless compression. (see also "Interlace")



## **R**

**RAM:** Abbreviation for "Random Access Memory". The main memory of the computer. The RAM temporarily stores data and runs programs at the same time.

**RGB:** Abbreviation for "Red Green Blue". RGB values can be used to define a particular hue. The color is calculated based on the amount of red, blue and green in each pixel.

**Ripping:** Files or parts of files on an audio CD or movie DVD are "read in" and stored on the PC's hard drive, where they can be played back or processed further.

**ROM:** Abbreviation for "Read Only Memory". A memory chip that can be read from, but not written to.

**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.

## **S**

**S-VHS:** Improved version of VHS based on the S-Video standard, but with better image definition. (see also "S-Video", "VHS")

**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")

**SCART:** Type designation for the EuroAV plug, a 21-pin, standardized connector for all video and audio lines. Signals are not converted prior to transmission, which makes for a high quality standard.

**SD:** Abbreviation for "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 for "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.



**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.

**SVCD:** Expanded Video-CD standard. This image format offers a higher line resolution and uses MPEG-2 instead of MPEG-1 to compress the video data. (see also "VCD")

## **T**

**TIF:** Abbreviation for "Tagged Image File Format". Standard format for professional printed images developed by Aldus.

## **V**

**VCD:** Abbreviation for "Video CD". A standard for writing MPEG-1-formatted videos to CDs. A Video CD can hold up to an hour of digital video and stereo-quality sound. The data rate of the MPEG-1 stream is constant - around 170 kB per second (224 kbps sound, 138 kB video, PAL). This standard offers image and sound quality that is comparable to that of a HiFi VCR. (see also "SVCD")

**VHS:** Abbreviation for "Video Home System". System used by many VCRs for recording and playing back sound and video from magnetic tape. It uses a composite signal that combines brightness and color information into one signal. (see also "Composite Video", S-VHS)

**Video-on-Demand (Vod):** A multimedia application that allows users to access a video server and view photos/images or videos/movies.

**Video for Windows:** Video for Windows, a Microsoft Windows system expansion, allows users to record, store and play back digital video sequences. (see also "AVI")

## **W**

**Web Server:** A computer on which HTML pages and network software are stored. Web servers constantly deliver content via the Internet or a network to Web browsers, where it is displayed on the user's monitor.



**Wi-Fi:** Abbreviation for "Wireless Fidelity". Wi-Fi is an 802.11-compliant certification for wireless local-area networks (LANs) issued by the WECA (Wireless Ethernet Compatibility Alliance). This certification confirms that all wireless network products that comply with the standard are interoperable.

**WIA:** Abbreviation for "Windows Imaging Architecture". An imaging architecture introduced by Microsoft for Windows Millennium Edition and Windows XP. WIA allows image-processing programs to communicate with, and receive data from, digital cameras, scanners and other devices.

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

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

**WMA:** Abbreviation for "Windows Media Audio". Microsoft's audio playback method that, unlike its rival, MP3, has an integrated rights-management system. (see also "MP3")

**WMV:** Abbreviation for "Windows Media Video". Video-file format developed by Microsoft.

## **X**

**XviD:** Another version of the MPEG 4 AVI video-media format. (see also "MPEG 4 AVI")



# Index

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## A

- Advanced settings dialog..... 8
- Album ..... 121
- All movies..... 134
- Artist ..... 119

## B

- Browsing your hard disk..... 125
- Burner ..... 61

## C

- Capture settings..... 163
- Categories ..... 30
- CD/DVD ..... 126
- Channel list ..... 9, 11, 104
- Context menu..... 168
- Customized File Tags ..... 51

## D

- Data services ..... 23
- Date..... 145
- Deleting Files..... 35
- Digital photos..... 27
- Display ..... 21

## E

- Edit Menu ..... 64
- Electronic Program Guide (EPG) . 90
- End user license agreement..... 197
- Export ..... 57, 58, 60, 61
- Export Tab ..... 57

## F

- Favorites ..... 13
- File Formats ..... 70, 71
- File Menu..... 62
- File Tags ..... 50

## Functions in the Pinnacle

- MediaCenter ..... 74

## G

- General settings..... 153
- Genre..... 117
- Get Titles..... 42

## H

- Hardware used by Pinnacle..... 1

## I

- Import - Audio CD ..... 42
- Import - Digital Camera ..... 45
- Import - Drives ..... 41
- Import - Files..... 40
- Import - Folder ..... 39
- Import - Rhapsody Playlists ..... 49
- Import - Watch Folder..... 47
- Import Tab..... 38
- Installing hardware..... 5
- Installing the software ..... 5

## K

- Keywords ..... 51, 52

## M

- M3U playlist ..... 57, 60
- Main Window ..... 28
- Manual recording ..... 190
- Media Library ..... 30, 33, 34, 35
- Media Player ..... 36
- Media Types..... 30
- Menus..... 62, 64, 66
- Movie settings ..... 159
- Movies and other video files ..... 27
- Movies menu..... 127



Music menu .....	113
Music settings .....	157

## **N**

Name .....	147
New movies .....	130
New music .....	116
New photos .....	141

## **O**

Online Help .....	4
Online manual .....	4
Online menu .....	150
Organize Tab .....	52
Organizing File Tags .....	50

## **P**

Package contents .....	3
PC view .....	76, 164
Photo album .....	144
Photo menu .....	137
Photo settings .....	161
Pinnacle INSTANT CD/DVD .....	61
Pinnacle MediaCenter .....	1
Pinnacle MediaManager .....	1
Playback .....	18
Playlists .....	123
Playlists .....	54, 55
Playlists Tab .....	54, 55

## **R**

Radio menu .....	103
Radio settings .....	156
Radio stations .....	104
Readme file .....	4
Recorded radio .....	110
Recorded TV .....	100, 194
Recording radio .....	106

Recording TV .....	95
Remote control .....	1, 17
Remote view .....	76, 82, 85
Remote view main screen .....	85
Rhapsody .....	49, 67

## **S**

Scheduled recordings .....	193
Searching in the Media Library .....	34
Settings icon .....	8
Settings menu .....	151
Slideshow .....	142
Song .....	122
Sort View in the Media Library .....	33
Supported File Formats .....	70

## **T**

Technical support .....	195
Teletext .....	93, 183, 185
Timeshift radio .....	111
Tools Menu .....	66
TV channel .....	87
TV hardware .....	14
TV menu .....	86
TV settings .....	155
TV timeshift .....	101
tvty manager .....	6

## **U**

User views for the Pinnacle MediaCenter .....	76
--	----

## **W**

Watch Folder .....	47
WIA drivers .....	45
Window formats for the Pinnacle MediaCenter .....	78