

# AVerTV 6.2

---

## User Manual • English

### **DISCLAIMER**

All the screen shots in this documentation are only example images. The images may vary depending on the product and software version. Information presented in this documentation has been carefully checked for reliability; however, no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.

### **COPYRIGHT**

© 2007 by AVerMedia TECHNOLOGIES, Inc. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form by any means without the written permission of AVerMedia TECHNOLOGIES, Inc.

# Table of Contents

<b>Chapter 1</b>	<b>Device Introduction .....</b>	<b>1</b>
<b>Chapter 2</b>	<b>AVerTV 6 Introduction .....</b>	<b>2</b>
<b>Chapter 3</b>	<b>Introducing the AVerTV Application .....</b>	<b>3</b>
3.1	Launching the AVerTV 6 Application.....	3
3.2	Running the AVerTV 6 application for the first time.....	3
3.3	Introducing the User Interface .....	6
3.4	The Control Panel.....	7
3.5	Remote Control.....	9
3.5.1	Remote Control Buttons (Model 1) .....	9
3.5.2	Remote Control Buttons (Model 2) .....	10
3.5.3	Remote Control Buttons (Model 3) .....	12
3.6	Resizing the TV Monitor Window .....	13
3.7	Always on Top.....	13
3.8	Setting Windows® Power Options.....	13
3.9	Minimize the Application .....	15
3.10	Change Definitions of the Remote Control Buttons .....	15
3.11	Customize the Remote Control Source Button .....	16
3.12	Changing the OSD Attributes .....	17
<b>Chapter 4</b>	<b>TV .....</b>	<b>19</b>
4.1	Analog TV .....	19
4.1.1	Scanning Channels.....	19
4.1.2	Scanning Channels (For Advanced Users) .....	20
4.1.3	Customize Video record settings .....	21
4.1.4	Fine Tuning Color of the Display .....	24
4.1.5	Enhancing the Video Quality .....	25
4.1.6	Using the De-interlace Function .....	25
4.2	Digital TV .....	26
4.2.1	Scanning Channels.....	26
4.2.2	Scanning Channels (For Advanced Users) .....	27
4.2.3	Customize Video record settings .....	28
4.2.4	Using the EPG Function .....	29
4.2.5	Fine Tuning Color of the Display .....	30

4.2.6	Enabling Subtitle Function .....	31
4.3	Adding and Deleting Program Lists .....	32
4.4	Selecting a TV/Radio Channel.....	33
4.5	Creating Channel Groups.....	33
4.6	Adjusting Volume.....	34
4.7	Specifying a Channel Name or Description.....	35
4.8	Modifying a program list name.....	35
4.9	Removing Unwanted Channels.....	36
4.10	Using the OverScan Function .....	38
4.11	16-Channel Preview.....	39
4.12	Changing Signal Source.....	39
4.13	Sound Controlling (Optional) .....	40
<b>Chapter 5</b>	<b>FM Radio.....</b>	<b>41</b>
5.1	FM Radio Controls .....	41
5.2	How to Auto Scan FM Radio Channels.....	41
5.3	Manually Scanning Specific FM Channels.....	42
5.4	Selecting a Channel .....	42
5.5	Adjusting Volume.....	43
5.6	Skipping Unwanted Channels.....	43
5.7	Adding a Radio Frequency .....	44
5.8	Modifying a Radio Name .....	44
5.9	Adding and Deleting Program Lists .....	44
5.10	Creating Channel Groups.....	45
5.11	Customizing Audio Recording Settings.....	45
5.12	Sound Controlling (Optional) .....	46
5.13	Viewing RDS Information (Optional) .....	47
<b>Chapter 6</b>	<b>TimeShift.....</b>	<b>48</b>
6.1	TimeShift Controls .....	48
6.2	Customizing TimeShift Settings .....	48
6.3	Using the TimeShift Function.....	50
<b>Chapter 7</b>	<b>DVR .....</b>	<b>51</b>
7.1	DVR Controls .....	51
7.2	Recording Settings.....	51
7.3	Using the Recording Function .....	52

7.4	Playing the Recorded Programs.....	52
7.5	Picture-in-Picture Display.....	53
<b>Chapter 8</b>	<b>Image Capture .....</b>	<b>54</b>
8.1	Before Capturing .....	54
8.2	Capturing a TV/ Video Image.....	54
8.3	Multiple Image Sequence Capture.....	56
<b>Chapter 9</b>	<b>Teletext (PAL/SECAM only).....</b>	<b>57</b>
9.1	Customize the Display Mode.....	57
9.2	Overview .....	58
9.3	Toolbar Buttons .....	59
9.4	LED Lamp .....	59
9.5	Using Teletext.....	59
<b>Chapter 10</b>	<b>Scheduler.....</b>	<b>62</b>
10.1	Adding Schedules .....	62
<b>Chapter 11</b>	<b>Hot Keys .....</b>	<b>65</b>
<b>Chapter 12</b>	<b>Customer Service .....</b>	<b>67</b>

# Chapter 1 Device Introduction

Thanks for purchasing AVerMedia's product. The table below lists an overview of the product you purchased. From this table, you can quickly learn about your product features and know which chapter you need to read. Please do read this table before using AVerTV 6 application.

Product Name	AVerTV MCE 116 Plus
Model No.	M116
TV System	Digital TV ( DVB-T ATSC DVB-S) <input checked="" type="checkbox"/> Analog TV ( <input checked="" type="checkbox"/> NTSC <input checked="" type="checkbox"/> PAL <input checked="" type="checkbox"/> SECAM)
Audio Mode	<input checked="" type="checkbox"/> Stereo <input checked="" type="checkbox"/> Mono <input checked="" type="checkbox"/> SAP
FM Radio	<input checked="" type="checkbox"/> Support    Not Support
Remote Control	<input checked="" type="checkbox"/> Support ( Model 1 <input checked="" type="checkbox"/> Model 2) Not Support
External Signal Source	<input checked="" type="checkbox"/> S-Video <input checked="" type="checkbox"/> Composite
Others	<input checked="" type="checkbox"/> Teletext    MHEG-5 EPG <input checked="" type="checkbox"/> iEPG <input checked="" type="checkbox"/> Closed Caption    Digital Subtitle
Reference Chapter	<input checked="" type="checkbox"/> Chapter 1 <input checked="" type="checkbox"/> Chapter 2 <input checked="" type="checkbox"/> Chapter 3 ( <input checked="" type="checkbox"/> 3.1-3.4 <input checked="" type="checkbox"/> 3.5.2 <input checked="" type="checkbox"/> 3.6-3.12) <input checked="" type="checkbox"/> Chapter 4 ( <input checked="" type="checkbox"/> 4.1 <input checked="" type="checkbox"/> 4.4-4.13) <input checked="" type="checkbox"/> Chapter 5 <input checked="" type="checkbox"/> Chapter 6 <input checked="" type="checkbox"/> Chapter 7 <input checked="" type="checkbox"/> Chapter 8 <input checked="" type="checkbox"/> Chapter 9 ( <input checked="" type="checkbox"/> 9.2) <input checked="" type="checkbox"/> Chapter 10 <input checked="" type="checkbox"/> Chapter 11 <input checked="" type="checkbox"/> Chapter 12
Note	

## Chapter 2 AVerTV 6 Introduction

Now, with this product, you can watch TV, listen to the radio, record your favorite programs and enjoy other features on your PC. Turn your computer system into a real multimedia entertainment center.

You'll never miss your favorite ball games, soaps or game shows anymore because the TimeShift function performs background recording of a TV program. This means you can return and watch from the part of the program where you left off.

To enjoy high quality TV or radio programs, *AVerMedia*<sup>®</sup> product is your best choice.

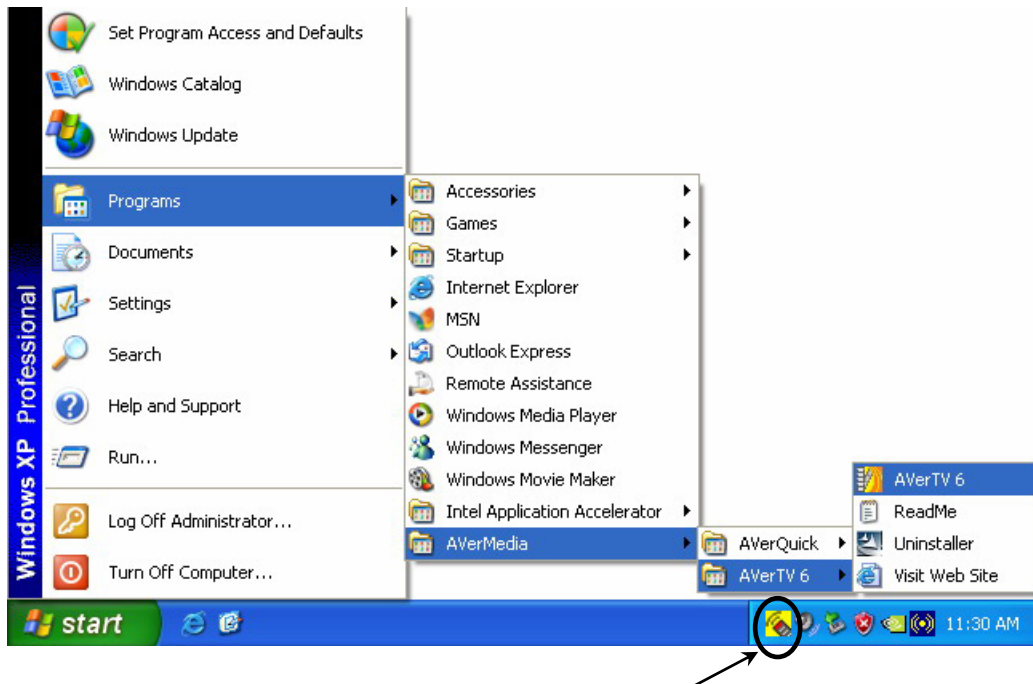
Please be noted that the functions or the remote control mentioned in this manual may vary depending on the product you purchase and the area you live.

# Chapter 3 Introducing the AVerTV Application


The **AVerTV 6** application allows you to watch TV or video, and record still or motion video on your PC while you work on your computer.

## 3.1 Launching the AVerTV 6 Application

Run the AVerTV 6 application from the Programs menu.



Quick TV Launcher

To run the application, click **Start**, point to **Programs**, choose AVerMedia, **AVerTV 6**, and then click **AVerTV 6**. Another way is to double-click the **AVerTV 6** program icon “” on the desktop. Or, you can double-click the **AVerQuick** launcher located at the lower right corner of the screen.

☒ **Note:** **AVerQuick** launcher is important for both of the remote control and the **Scheduler**. If it is not activated, the remote control feature is automatically disabled and the **Scheduler** will not perform any preset schedules.

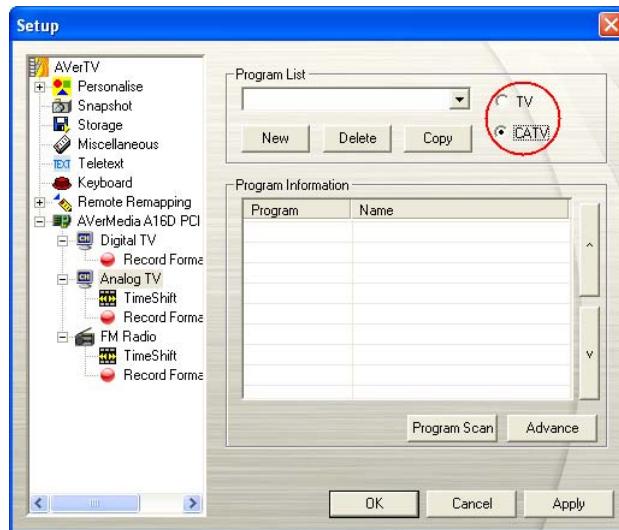
## 3.2 Running the AVerTV 6 application for the first time

If this is your first time running the application, the *Setup* dialog box will appear to prompt you to scan for channels. (For details, please refer to the section *Scanning Channels*).

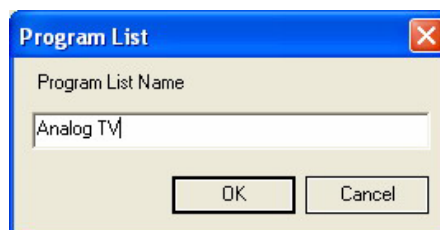
1. Choose your desired signal input (Digital TV, Analog TV or FM Radio) on the left pane of the *Setup* dialog box.

☒ **Note:** Before choosing the signal input, please make sure that your country/region is correct. For more information, please refer to “*Scanning Channels*” in *Chapter 3*.

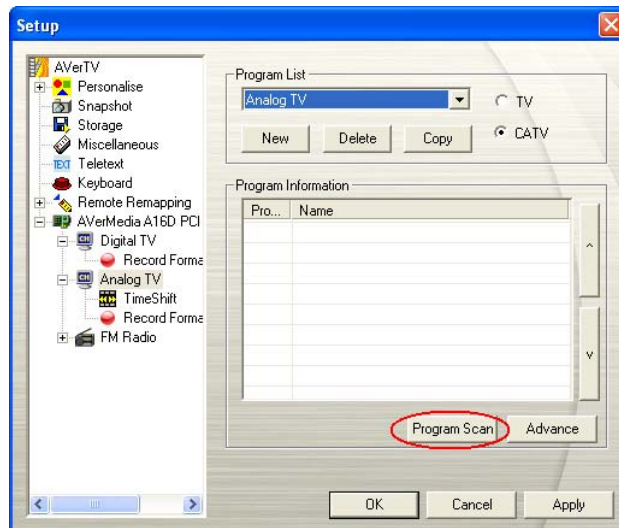
2. Then you need to select the **TV** option to search for air channels, or select **CATV** to scan for cable channels if your choice is “Analog TV” in step 1.



3. Click **New** and the *Program List* dialog box will appear. Type in the desirable name and click **OK**.



4. Click **Program Scan** to search for available channels/programs in your area.



5. After scanning, the active TV channels will be listed inside the box. Click **Apply** to save the scanned channels.

☒ **Note:** Digital channels that are in red text indicate they are locked channels (eg. Adult channels).

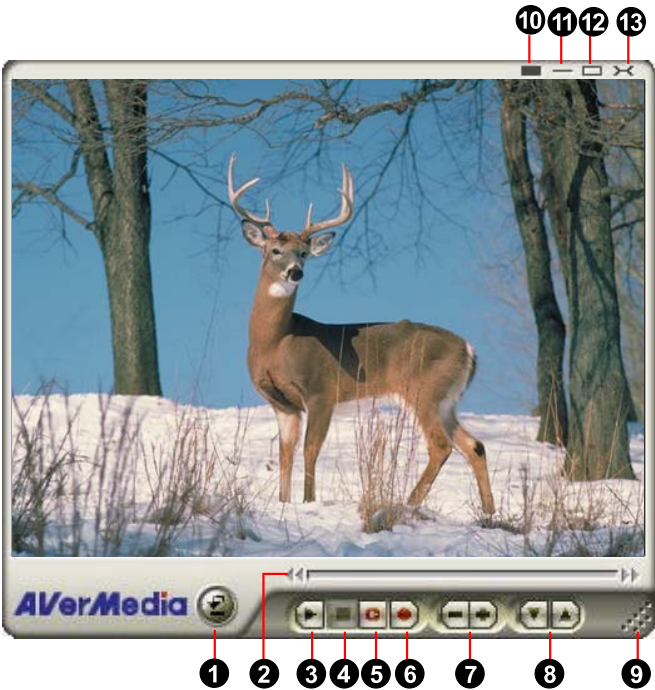
6. To exit the current dialog box, click **OK**.



7. If you choose FM Radio or Digital TV in step 1, just repeat step 3-6 to complete the program scanning.


### 3.3 Introducing the User Interface

The **TV monitor** allows you to watch live TV or video.

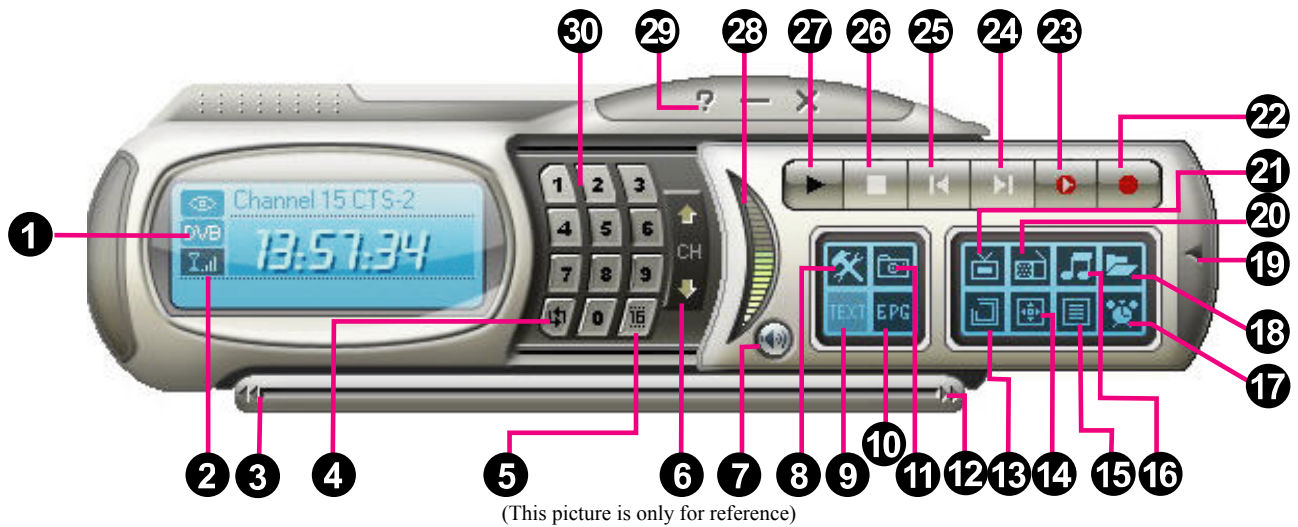


1	Panel On / Off	8	Channel Up/Down
2	Playback Seek Slider	9	Resize Window
3	Play / Pause	10	Show / Hide Video Frame
4	Stop	11	Minimize
5	TimeShift	12	Full Screen
6	Record	13	Exit
7	Volume		

The **Control Panel** provides button controls for selecting channels, adjusting volume, capturing images, and more. It has a panel display that shows the current channel number and channel name.

To display or hide the **Control Panel**, click the button  located at the lower left corner of the TV Monitor.

### 3.4 The Control Panel



The table below describes the functions of the buttons on the Control Panel.

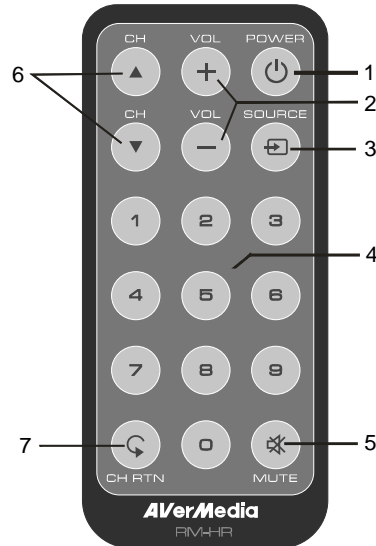
	BUTTON	FUNCTION
1	Signal Status / Repeat Play Status	TV/Radio mode: Right click on the info area of the control panel to switch signal sources.  Playback mode: Right click on the info area of the control panel and enable the Repeat function. The system will continuously playback the files in the playlist.
2	Signal Strength	Display signal strength.
3	Backward	Move backward in intervals.
4	Channel Loop	Return to previously accessed channel.
5	16-Channel Preview	Display 16 consecutive TV channels on the TV Monitor window.
6	Channel Up/ Down	Move up/down the channel list
7	Mute	Turn off the sound.
8	Setup	Allows you to: *Autoscan channels. *Create channel groups. *Configure snapshot settings. *Customize record settings. *Customize the TimeShift function.
9	Teletext	View Teletext (PAL/SECAM) / Closed Caption (NTSC) information.
10	EPG	View EPG information (This function is only available for digital TV).
11	Snapshot	Capture a single image or a sequence of images.
12	Forward	Skip forward in intervals.
13	Always on Top	Make the TV monitor float over the top of other program windows.

14	Full Screen	Show TV/Video programs in full screen.
15	Program List	Display the program list and adjust color, volume and so on.
16	Audio Mode	Switch between available audio modes.
17	Scheduler	Display Scheduler dialog box.
18	Play List	Create a playlist of video files to playback.
19	Show/ Hide Numeric Panel	Toggle between displaying or hiding the Numeric Panel.
20	Radio Source	Switch between FM radio and DVB-T radio. (Only access to DVB-T Radio Broadcast, not Digital Audio Broadcast system.)
21	Change Video Source	Switch between analog TV, digital TV, or S-video.
22	Record	Record the current TV show.
23	TimeShift / Pause	Performs background recording of the live TV program. This function lets you view the recorded parts, while at the same time, recording is in progress. / Freeze the playback temporarily.
24	Next File	Play the next file in the playlist.
25	Previous File	Play the previous file in the playlist.
26	Stop	Stop the playback, recording, TimeShift, etc.
27	Play / Pause	Playback recorded video files. / Freeze the playback temporarily.
28	Volume Control	Increase/decrease the volume level.
29	Help	View User's Manual.
30	Numeric Buttons	Select channels/programs.

## 3.5 Remote Control

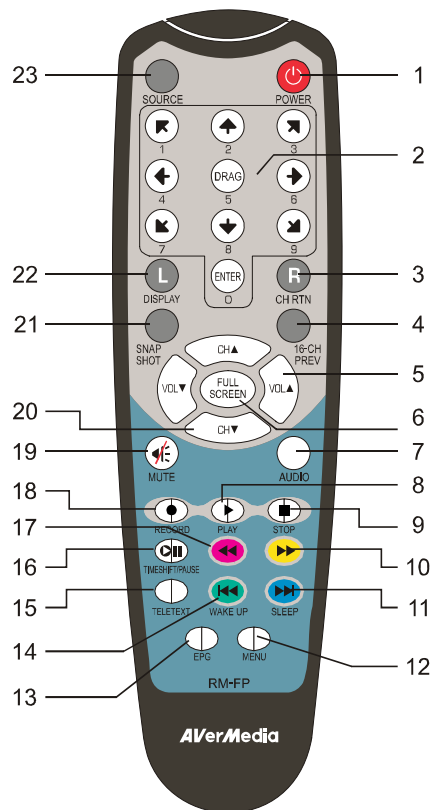
You can use remote control to turn on/off the programs, select channels, adjust volume and so on. Please be noted that you have activated Quick TV.

### 3.5.1 Remote Control Buttons (Model 1)



Button	Description
1. Power	Turn on/off the application
2. VOL +/-	Volume up/down.
3. Source	Switch between available signal sources.
4. Numeric Buttons	Select a TV channel.
5. MUTE	Turn on/off the sound.
6. CH ▲/▼	Go up or down to the next active channel.
7. CH RTN	Go to the previously selected channel.

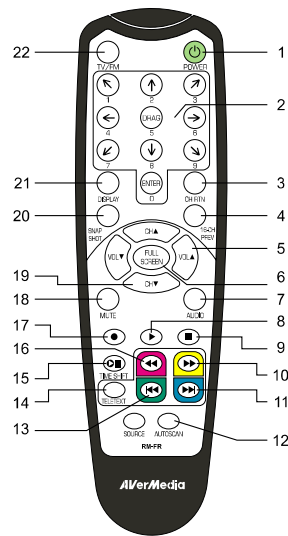
### 3.5.2 Remote Control Buttons (Model 2)



Button	Description
1. POWER	Turn on/off the application.
2. NUMERIC BUTTONS	<ul style="list-style-type: none"> <li>Select a TV channel.</li> <li>Under the 16-Channel Preview mode, use ← ↑ → ↓ to highlight the intended channel.</li> </ul>
3. CH RTN	Go to the previously selected channel.
4. 16-CH PREV	16-Channel Preview.
5. VOL ▲/▼	Volume up/down.
6. FULL SCREEN	Display TV in full screen.
7. AUDIO	Switch between available audio modes.
8. ► (Play)	Play the last recorded or played file.
9. ■ (Stop)	<ul style="list-style-type: none"> <li>End the playback or recording.</li> <li>End the TimeShift mode and return to real-time TV or Radio mode.</li> </ul>
10. ►► (Forward)	<ul style="list-style-type: none"> <li>Advance the playback.</li> <li>Jump to the Teletext page of the corresponding color according to this button.</li> </ul>
11. SLEEP ►►►	<ul style="list-style-type: none"> <li>Go to the next file in the playlist.</li> <li>Set the time to put your computer in Stand By or Hibernate mode.</li> <li>Jump to the Teletext page of the corresponding color according to this button.</li> </ul>
12. MENU	Display or hide the <b>Control Panel</b> .
13. EPG	Launch the Electronic Programme Guide.
14. WAKE UP ◄◄	<ul style="list-style-type: none"> <li>Go to the previous file in the playlist.</li> <li>Set the time to bring your computer out of Stand By or Hibernate mode.</li> <li>Jump to the Teletext page of the corresponding color according to this button.</li> </ul>
15. TELETEXT	View Teletext (PAL/SECAM) / Closed Caption (NTSC) information

16. TIMESHIFT /PAUSE	<ul style="list-style-type: none"> <li>- Freeze the playback.</li> <li>- Switch from real-time TV or Radio to TimeShift mode.</li> </ul>
17. ◀◀ (Rewind)	<ul style="list-style-type: none"> <li>- Rewind the playback.</li> <li>- Jump to the Teletext page of the corresponding color according to this button.</li> </ul>
18. ● (Record)	Switch to DVR mode and record the current program or video into your hard drive.
19. MUTE	Turn on/off the sound.
20. CH ▲/▼	Go up or down to the next active channel.
21. SNAPSHOT	Capture the on-screen image to a bitmap file.
22. DISPLAY	Display information.
23. SOURCE	Switch between available signal source.

### 3.5.3 Remote Control Buttons (Model 3)




Button	Description
1.Power	Turn on/off the application
2.Numeric Buttons	- Select a TV channel. - Under the 16-channel preview mode, use $\uparrow \downarrow \leftarrow \rightarrow$ to highlight the intended channel.
3.CH RTN	Go to the previously selected channel.
4.16-CH PREV	16-channel preview.
5. VOL $\blacktriangle/\blacktriangledown$	Increase/decrease the volume.
6.FULL SCREEN	Display TV or video in full screen.
7. AUDIO	Switch between available audio modes.
8. $\blacktriangleright$ (Play)	Play the last recorded or played file.
9. $\blacksquare$ (Stop)	- End the playback or recording. - End the TimeShift mode and return to real-time TV or FM mode.
10. $\blacktriangleright\blacktriangleright$ (Forward)	- Advance the playback. - Jump to the Teletext page of the corresponding color according to this button.
11. $\blacktriangleright\blacktriangleright\blacktriangleright$ (Next File)	- Go to the next file in the playlist. - Set the time to put your computer in Standby or Hibernate mode. - Jump to the Teletext page of the corresponding color according to this button.
12. AUTOSCAN	Display or hide the Control Panel.
13. $\blacktriangleleft\blacktriangleleft$ (Previous File)	- Go to the previous file in the playlist. - Set the time to bring your computer out of Standby or Hibernate mode. - Jump to the Teletext page of the corresponding color according to this button.
14. TELETEXT	View Teletext information.
15. TIMESHIFT/PAUSE	- Freeze the playback. - Switch from real-time TV or FM to Time Shift mode.
16. $\blacktriangleleft\blacktriangleleft$ (Rewind)	- Rewind the playback. - Jump to the Teletext page of the corresponding color according to this button.
17. $\bullet$ (Record)	Switch to DVR mode and record the current program or video into your hard drive.
18. MUTE	Turn on/off the sound.
19. CH $\blacktriangle/\blacktriangledown$	Go up or down to the next active channel.
20. SNAPSHOT	Capture the on-screen image to a bitmap file.
21. DISPLAY	Display information.
22. TV/FM	Switch between available signal sources.



### 3.6 Resizing the TV Monitor Window

To enlarge or reduce the size of the TV Monitor window, click and drag the lower right corner of the window.


Double-click the TV Monitor window to display it in full screen or click the Full Screen button  on the Control Panel.

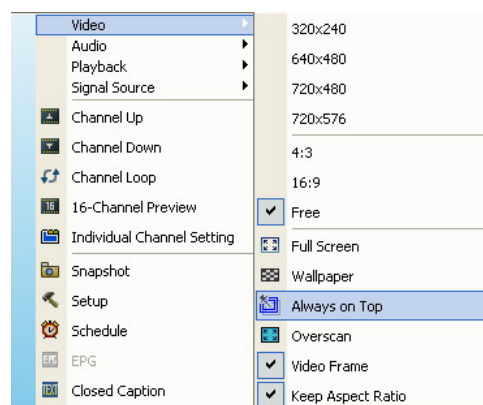
When in full screen mode, just double-click anywhere on the screen to revert to the normal TV window size.

### 3.7 Always on Top

To make the TV monitor window float over the top of other program windows, right-click on the TV monitor. In the pop-up menu, point to Video and choose Always on Top.

OR,

Click the **Always on Top** button  on the Control Panel.



### 3.8 Setting Windows® Power Options


This option allows you to put your computer in Stand By or Hibernate mode, power off, exit the application or log off from the computer while you are away from the computer.

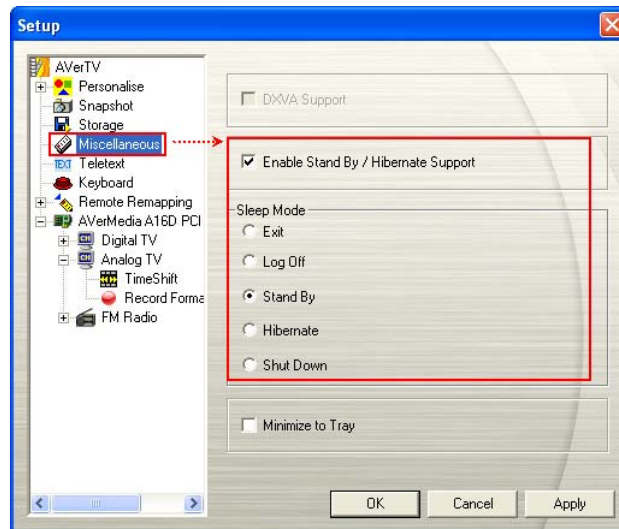
**Note:**

**Stand By:** Stand By is a state in which your monitor and hard disks turn off, so that your computer uses less power.

**Hibernate:** Hibernation is a state in which your computer shuts down to save power but first saves everything in memory on your hard disk.

Please do the following:

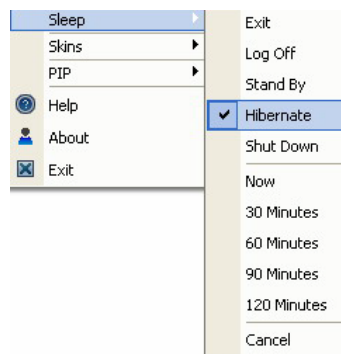
1. First, Click the **Setup** button  and in the *Setup* dialog box, click **Miscellaneous** icon on the left pane.
2. By default, the system is set to enable the *Stand By/Hibernation* option. What you have to do is to choose the desired power-saving settings. If your computer has a problem with coming out of Stand By or Hibernate mode, please clear the *Stand By/Hibernate* option.



3. Then press the **Sleep** button on the remote control repeatedly to set the execution time.

OR,

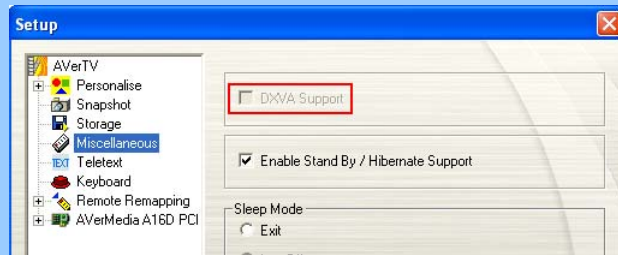
1. Right-click on the TV monitor, point to **Sleep** and select the desired mode.
2. Right-click on the TV monitor again, point to **Sleep** and choose an execution time.




3. The time setting will be displayed on the TV monitor. For details, please see the description below.

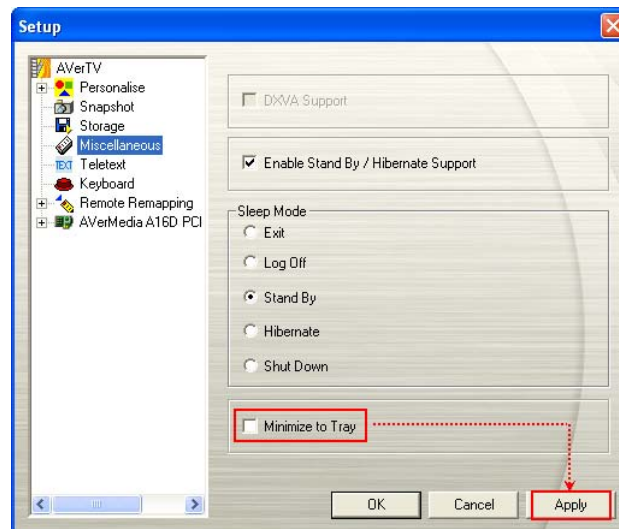
Time setting mode	Description
Sleep 30/60/90/120 Minute(s)	Your computer will go into Stand By or Hibernate mode in 30/60/90/120 minutes.
Now	Your computer will go into Stand By or Hibernate mode in about 10 seconds.
Cancel	Your computer will return to original settings.

- ☒ **Note:** The system will detect if your VGA card supports DXVA. If yes, enable the “DXVA Support” to activate the video acceleration of the VGA card. To watch HDTV, it is strongly recommended to execute “DXVA Support”.




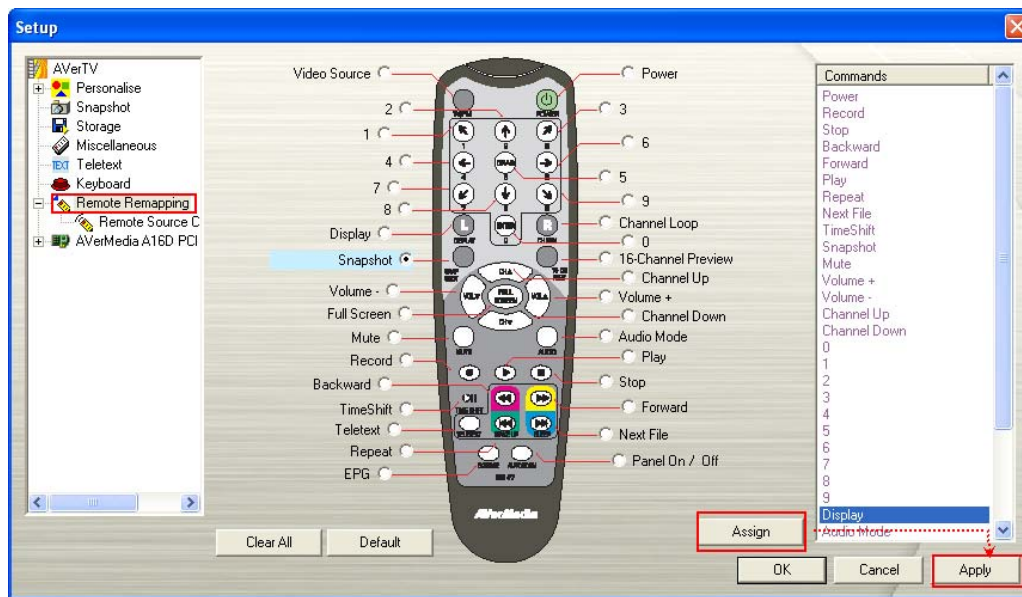
### 3.9 Minimize the Application

To minimize AVerTV application to the system tray (notification area), click the **Setup** button  and in the *Setup* dialog box, click **Miscellaneous** icon on the left pane. Then Select the **Minimize to Tray** check box. Or clear the check box to simply minimize the application to a taskbar button.



### 3.10 Change Definitions of the Remote Control Buttons




1. Click the **Setup** button  and in the *Setup* dialog box, click on the **Remote Remapping** icon on the left pane.
2. To re-define a function for a certain button:
  - Select a desired button and choose a new command from the right pane of the dialog box. Then click **Assign**.
  - From the right pane of the dialog box, drag the desired command and drop it on the remote button which you want to change the definition.

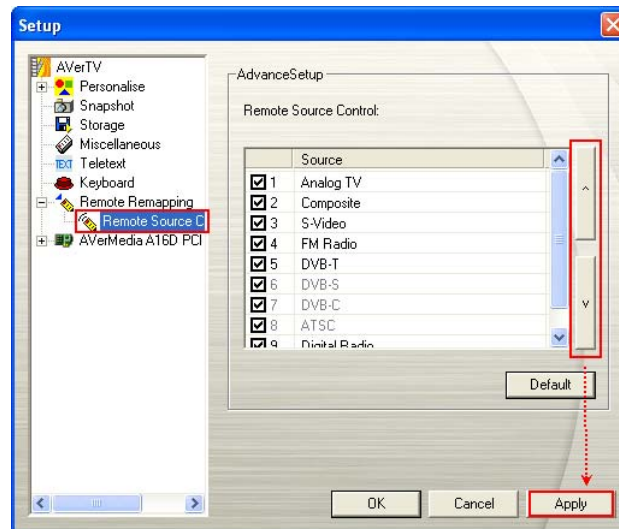


3. Click **Apply** to save the settings.
4. Click **Clear All** to delete all definitions of the remote control or click **Default** to revert to the factory setting.


### 3.11 Customize the Remote Control Source Button

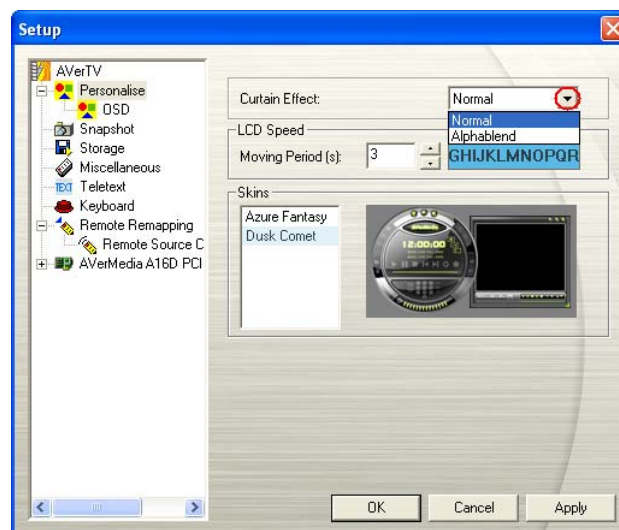
On the Remote Source Control page, you may customize the remote control “Source” button to switch on the selected item.


1. Click the **Setup** button  and in the *Setup* dialog box, click on the **Remote Remapping**→**Remote Source Control** icon on the left pane.
2. Select the signal source that you want.
3. Click the **UP** or **DOWN** button   at the right side until the selected signal reaches the location you desire.
4. Click **Apply** to save the settings. Or click **Default** to revert to the factory setting.

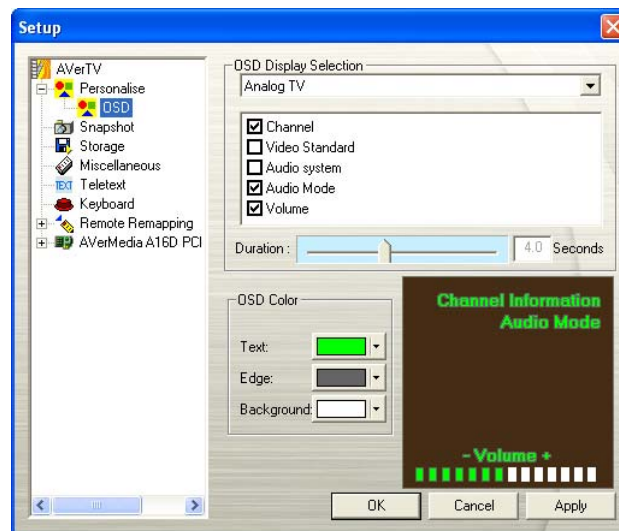


### 3.12 Changing the OSD Attributes

Click the **Setup** button  and in the *Setup* dialog box, click the **Personalise** icon on the left pane. On this page, you can customize the curtain effect, LCD speed or change the appearance of the TV monitor and the control panel (Skins).



Click the **Setup** button  and in the *Setup* dialog box, click the **Personalise** → **OSD** icon on the left pane. On this page, you can determine the OSD information, display duration and adjust OSD color. Then, click **Apply** to save the settings.




# Chapter 4 TV

In this chapter, we will introduce methods to scan programs, select a TV/Radio program, create a group and so on.

## 4.1 Analog TV

### 4.1.1 Scanning Channels

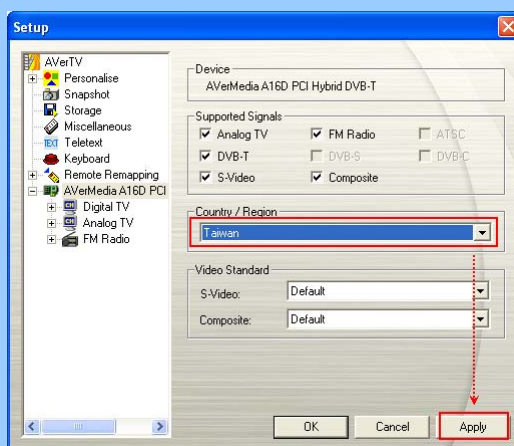
If you didn't complete the channel scanning when you first ran the application, please follow these steps to complete this procedure.

1. Click the **Setup** button  and in the *Setup* dialog box, select an available Avermedia device in the left pane.

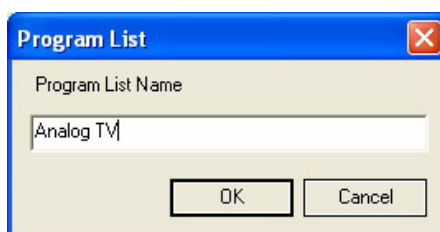
☒ **Note:**

Make sure that your Country/Region is correct.

- a. First, select an available Avermedia device in the left pane.
- b. From the Region/Country drop-down list, select your country or region.
- c. Click **Apply** to save the settings.



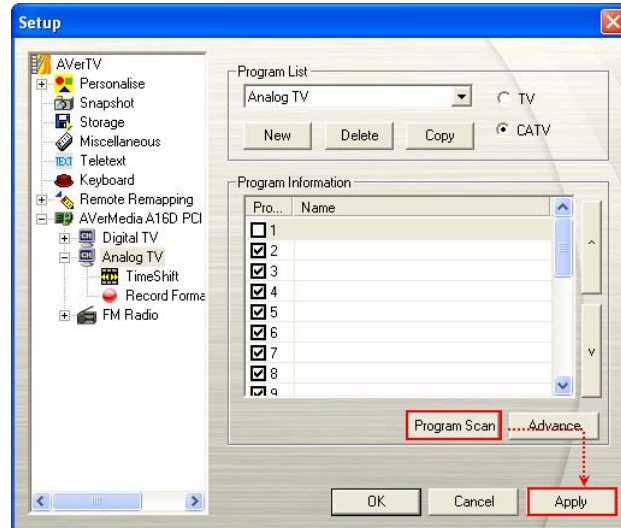
2. Then select **Analog TV**. On this page, choose the **TV** option to search only for air channel or select **CATV** to scan for cable channels.
3. Click **New** and the *Program List* dialog box will appear. Type in the desirable name and click **OK**.



4. Then Click **Program Scan** to start the scanning process.

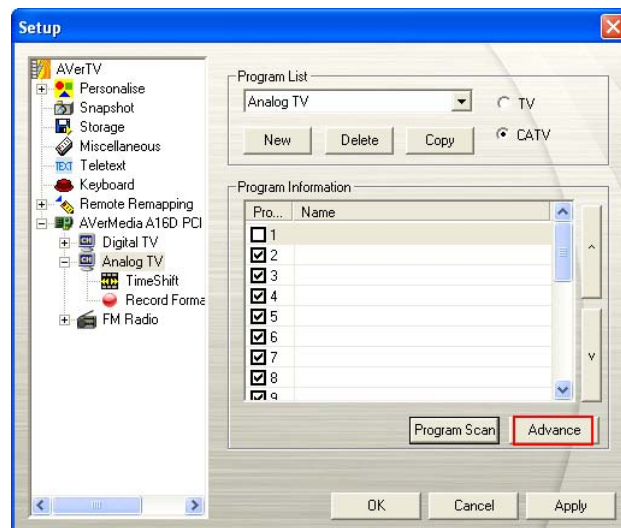
The application comes with a default frequency table therefore the application will use this table to search for active channels/programs. If you want to terminate the searching process, just click **Stop**.

5. You can check the scanning progress from the progress bar. After scanning, the active TV/Radio channels will be listed inside the box. Click **Apply** to save the scanned channels.



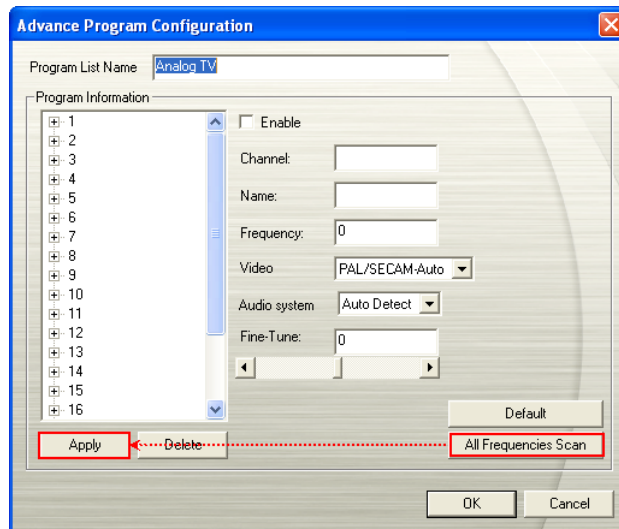
#### 4.1.2 Scanning Channels (For Advanced Users)

1. Click **Advance** located at right-lower corner in the **Program Information** section. Then the *Advance Program Configuration* dialog box will appear.



2. If you don't want to miss any channels, click **All Frequencies Scan**.






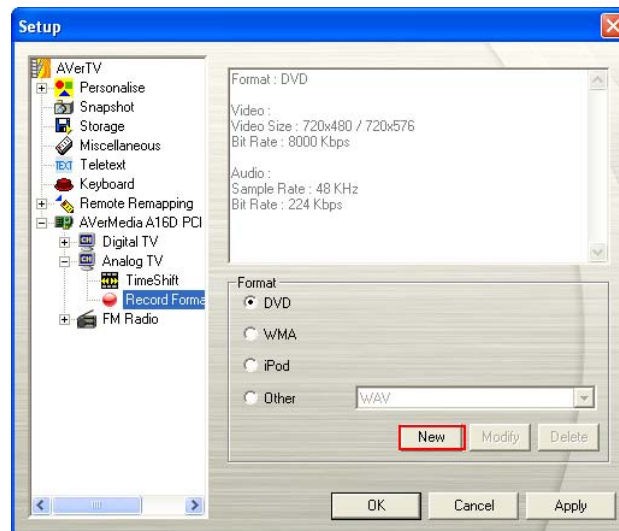
3. When a warning message appears, click **Yes** to continue the procedure or click **No** to abort this operation.
4. After scanning, new active channels/programs will be memorized and listed in the left pane of the dialog box.
5. Click **Apply** to save the scanned channels.

☒ **Note:** Here you can modify the channel name, select the video and audio system. If you want to revert to factory setting, simply click Default button.

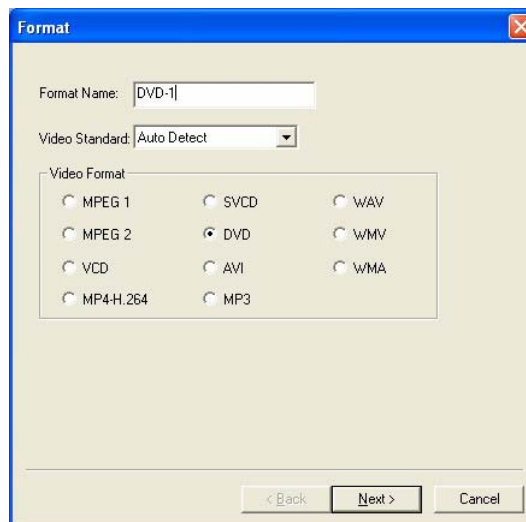
#### 4.1.3 Customize Video record settings

To customize the video record settings, please do the following.

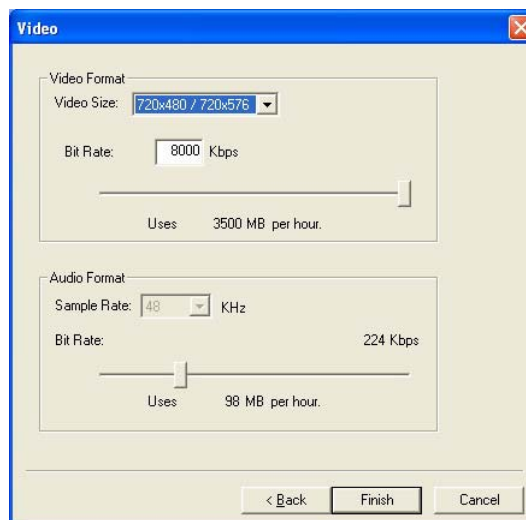
1. Click the **Setup** button  and in the *Setup* dialog box, click on the **Analog TV** icon on the left pane.
2. Select the **Record Format** option.
3. Determine the video file format to use for saving the recorded video file.
4. You can use the default format or select **New** to create your own file format.



5. Click **New** and the *Format* dialog box appears. In the *Format* dialog box, select the file format you want and enter the desired name in the text box. Click **Next**.



6. In the *Video* dialog box, you can set the video format and audio format. Click **Finish**.



7. If you want to change the settings of your own file format, click **Modify**. Or click **Delete** to remove the unwanted file format that you created.
8. Click **Apply** to save the setting and click **OK** to exit the current dialog box. To abort this operation, click **Cancel**.

☒ **Note:** To determine the length of recording and to choose a destination folder in which to save the recorded audio, please refer to the section titled **Record Settings** in Chapter 6.



**Information:**

<b>File Format</b>	<b>Description</b>
<b>MPEG-1</b>	Choose MPEG-1 format for video files that are intended for CD-ROM playback on a computer or for Internet transmission. MPEG-1 allows file compression and offers VHS quality picture. Just about every system available today can play MPEG-1 and does not need special software or hardware.
<b>MPEG-2</b>	Videos compressed using MPEG-2 have extremely high quality pictures and full CD-quality sound. Choose MPEG-2 format for video files that are intended for DVD-ROM playback on a computer or if you want broadcast quality videos.
<b>VCD</b>	When you choose this format, the recorded video file will be saved in MPEG-1 format that is compliant with VCD standards. Standard VCD frame size and frame rate are 352 x 240 pixels at 29.97 fps for NTSC and 352 x 288 pixels at 25 fps for PAL.
<b>SVCD</b>	When you choose this format, the recorded video file will be saved in MPEG-2 format that is compliant with SVCD standards. Standard SVCD frame size and frame rate are 480 x 480 pixels at 29.97 fps for NTSC and 480 x 576 at 25 fps for PAL.
<b>DVD</b>	When you choose this format, the recorded video file will be saved in MPEG-2 format that is compliant with DVD standards. Standard DVD frame size and frame rate are 720 x 480 pixels at 29.97 fps for NTSC and 720 x 576 at 25 fps for PAL.
<b>AVI</b>	AVI is the most common video file format for playback on the computer. It can be saved in uncompressed form if you want high quality video, or compressed using any of the available codecs if you want to minimize the file size.
<b>WAV</b>	A common audio file format for Windows computers. It was created by Microsoft and has become a standard PC audio file format.
<b>iPod</b>	A video format base on H.264 standard but has smaller video bit rate. It's an iPod - compatible format.
<b>MP4-H.264</b>	Videos compressed using MPEG-4 standard are two or three times more efficient than MPEG-2. This format can be applied to a wide variety of applications or networks and systems like HD-DVD, Digital TV, Broadcast and Streaming applications.
<b>WMA</b>	An audio file format that is use for content intended for local playback or download and play. It provides near-CD quality.



<b>WMV</b>	WMV stands for Window Media Video, which is defined by Microsoft. This file targets audiences with high speed Internet or LAN connections.
<b>MP3</b>	An audio format compressed with a standard defined by Motion Picture Experts Group offers near-CD quality sound.

#### 4.1.4 Fine Tuning Color of the Display



If the color or picture quality of the TV display needs to be adjusted, please do the following.

1. Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**. Or click **Program List** button  on the control panel and then click **Individual Channel Setting** button .
2. When a dialog box appears, select **Display** tab.



3. Then use ,  or the slider to adjust **Brightness**, **Contrast**, **Hue**, **Saturation** and **Sharpness** until you get an accurate color.
4. If your device supports the 713x chip, you can choose **color adjustment** tab. Try the provided options to get desired color.

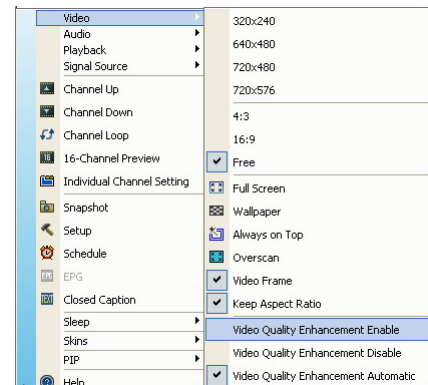


5. If you just want to adjust color of one specific channel, select **Individual Channel Setting** and repeat step 3. To apply the converted settings to all channels, click **Apply All** button .
6. Click Default button  if you want to revert to the factory settings.



### 4.1.5 Enhancing the Video Quality

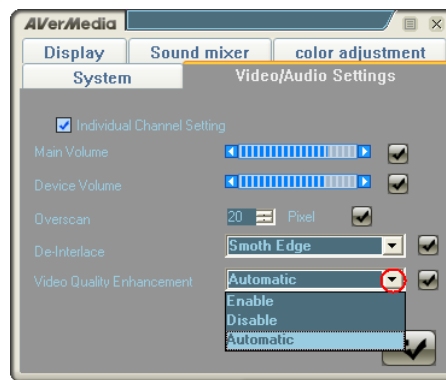
This function can reduce noise. Choose an appropriate option listed below.



- Video Quality Enhancement Enable: Activate to improve the video quality.
- Video Quality Enhancement Disable: Disable the video quality enhancement function.
- Video Quality Enhancement Automatic: Automatically adjust video quality depending on the video screen size.



OR,



1. Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**. Or click **Program List** button  on the control panel and then click **Individual Channel Setting** button .
2. When a dialog box appears, select **Video/Audio Settings** tab.
3. Choose a desired option from the **Video Quality Enhancement** drop-down list.

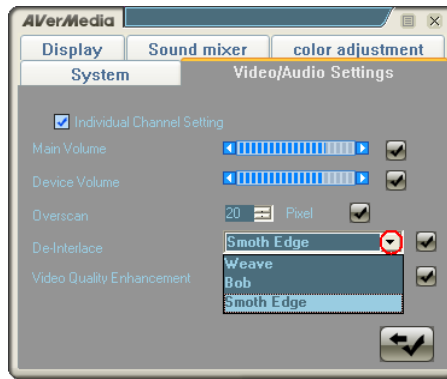


4. If you just want to enhance video quality of one specific channel, select Individual Channel Setting and repeat step 3. To apply the converted settings to all channels, click **Apply All** button .
5. Click Default button  if you want to revert the factory settings.

### 4.1.6 Using the De-interlace Function

The de-interlace function can remove the jagged edges of images in serial rapid movement. It is recommended using this function to ensure smooth and clear video images.

1. Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**. Or click **Program List** button  on the control panel and then click **Individual Channel Setting** button .
2. When a dialog box appears, select **Video/Audio Settings** tab.



- From the De-Interlace drop down list, try all the options to compare which can give you the best quality.

## 4.2 Digital TV

### 4.2.1 Scanning Channels

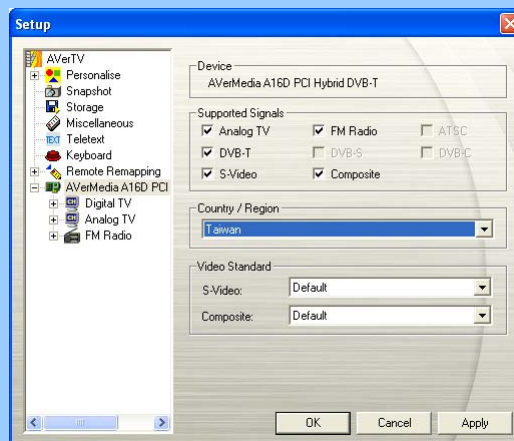
If you didn't complete the channel scanning when you first ran the application, please follow these steps to complete this procedure.

- Click the **Setup** button  and in the *Setup* dialog box, select an available Avermedia device in the left pane.

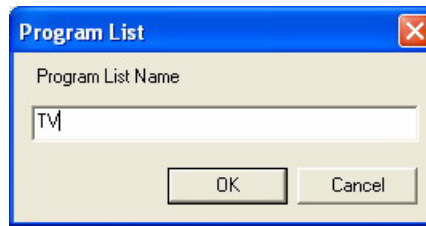
#### **Note:**

Make sure that your Country/Region is correct.

- First, **select an available AVerMedia device in the left pane.**
- From the Region/Country drop-down list, select your country or region.
- Click **Apply** to save the settings.



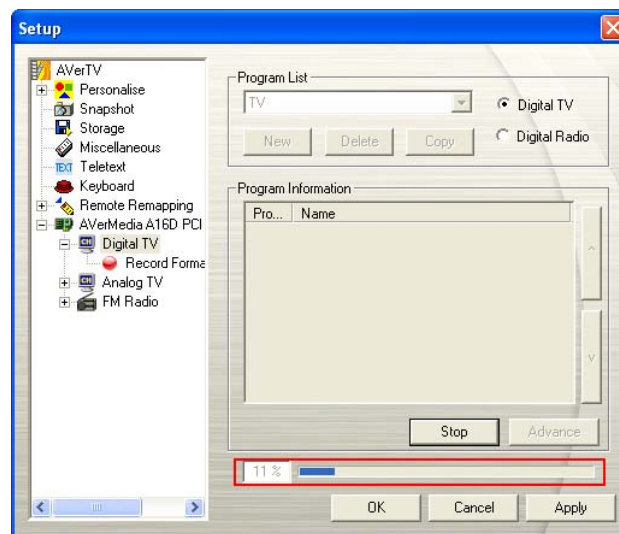
- Then select **Digital TV**.
- Click **New** and the *Program List* dialog box will appear. Type in the desirable name and click **OK**.



4. Then Click **Program Scan** to start the scanning process.

The application comes with a default frequency table therefore the application will use this table to search for active channels/programs. If you want to terminate the searching process, just click **Stop**.

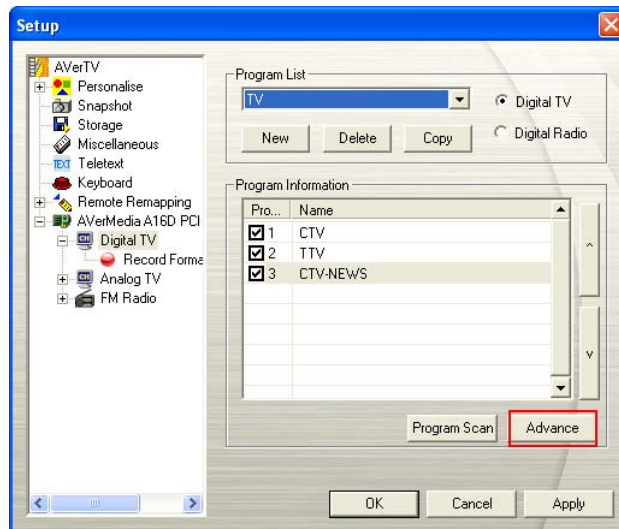
5. You can check the scanning progress from the progress bar. After scanning, the active TV/Radio channels will be listed inside the box. Click **Apply** to save the scanned channels.



☒ **Note:** Digital Channels that are in red text indicate they are locked channels (eg. Adult channels).

#### 4.2.2 Scanning Channels (For Advanced Users)

1. Click **Advance** located at right-lower corner in the **Program Information** section. Then the *Advance Program Configuration* dialog box will appear.




- When there are channels missing from the channel memory, select **All Frequencies** or **Single Frequency**.

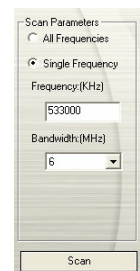
☒ **Note:** **All Frequencies Scanning** may take you a while. Please be patient.

- Once you select **Single Frequency**, you need to specify the correct **Frequency**, for example 533000 (KHz), and **Bandwidth**.
- Then click **Scan**.
- After scanning, new active channels/programs will be memorized and listed in the left pane of the dialog box.
- Click **Apply** to save the scanned channels.

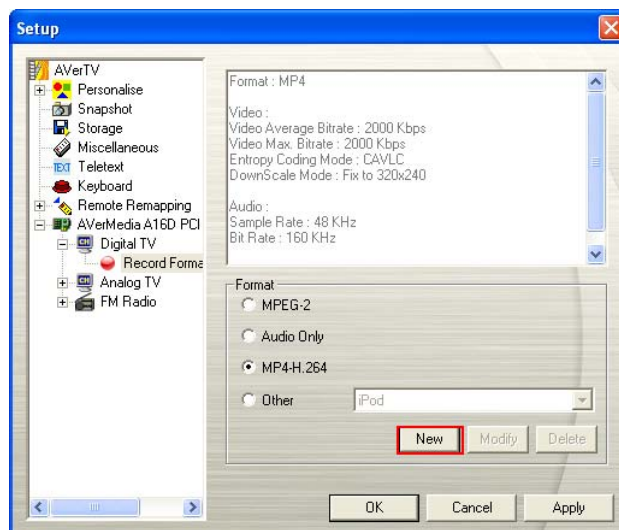
#### 4.2.3 Customize Video record settings

To customize the video record settings, please do the following.

- Click the **Setup** button  and in the *Setup* dialog box, click on the **Digital TV** icon on the left pane.
- Select the **Record Format** option.
- Select recording type. You can use the default format or select **New** to create your own file format. Or you can choose *Audio Only* for sound recording.








4. Click **Apply** to save the setting and click **OK** to exit the current dialog box. To abort this operation, click **Cancel**.

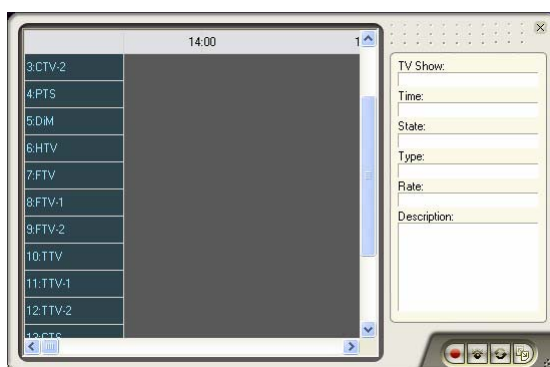
**Note:** To determine the length of recording and to choose a destination folder in which to save the recorded audio, please refer to the section titled **Record Settings** in Chapter 6.



#### 4.2.4 Using the EPG Function



Electronic Program Guide (EPG) is a service that allows you to check the next succeeding program schedule and even the program schedules of the whole week. If the EPG service is provided in your region/country, simply click the **EPG** button  to open the *EPG* window.

First, select the desired program from the *Program* drop-down list and the *EPG* window will display the schedule for one week. Surely, you can also see the related information such as program name, time, and description about the program on the right pane of the window.


In addition, when switching channels, the TV screen can show the current and succeeding program information.

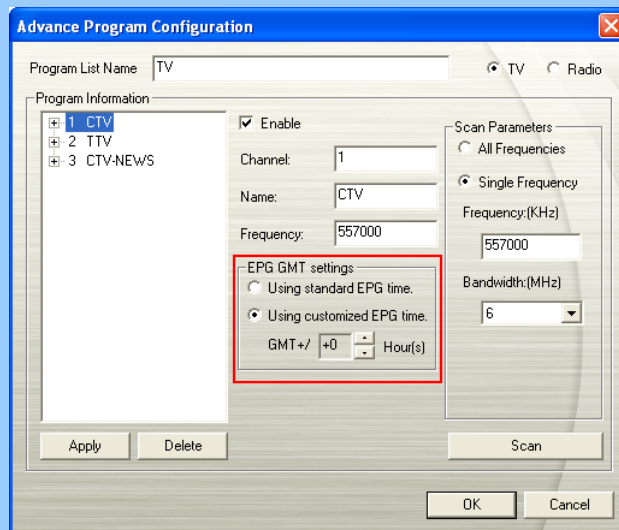


Our *EPG* window also allows you to preset a schedule for watching or recording programs. Just select your favorite programs and click Record button  or the Active TV Application button . And the system will execute your command on schedule.

If you want to download the latest program schedule, please click the **Update** button . Click  to sort the EPG list by time or by channel.



☒ **Note:** To use EPG function, please make sure that the EPG GMT settings is correct.

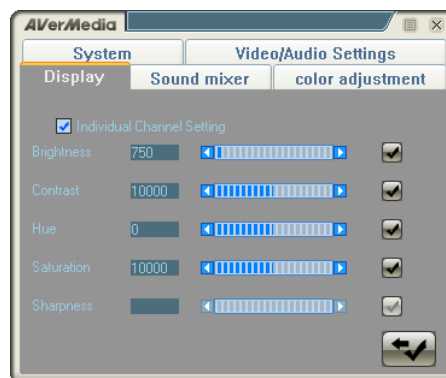
- a. Click  on the control panel to see the *Setup* window.
- b. Click **Digital TV** on the left pane and press **Advance** located at right-lower corner.
- c. In the *Advance Program Configuration* window, click the desired channel.
- d. In the *EPG GMT settings* section, select **Using customized EPG time** to adjust the EPG time according to local time. Or, select **Using standard EPG time** to adjust the EPG time according to Greenwich Mean Time.







#### 4.2.5 Fine Tuning Color of the Display

If the color or picture quality of the TV display needs to be adjusted, please do the following.

1. Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**. Or click **Program List** button  on the control panel and then click **Individual Channel Setting** button .
2. When a dialog box appears, select **Display** tab.



3. Then use   or the slider to adjust **Brightness**, **Contrast**, **Hue**, **Saturation** and **Sharpness** until you get an accurate color.
4. If you just want to adjust color of one specific channel, select **Individual Channel Setting** and repeat step 3. To apply the converted settings to all channels, click **Apply All** button .

5. Click Default button  if you want to revert to the factory settings.

#### 4.2.6 Enabling Subtitle Function

If your local broadcasters provide subtitle service, you can view those text by doing the followings:


Right click the TV screen, point to **Subtitle** and choose the desired language.

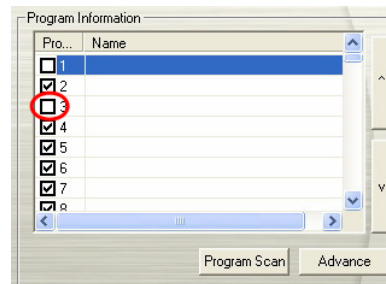
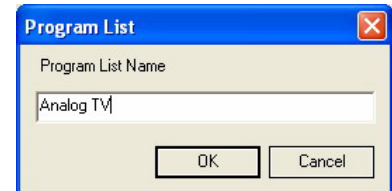
To hide the subtitle, please right click the TV screen, point to **Subtitle** and choose **Close**.

## 4.3 Adding and Deleting Program Lists

Selecting a program list allows you to switch between the channels of the selected program list only when pressing the **Channel Up/Down** button. If you want to add or delete a program list, do the following:

To add a new program list:

1. Click the **Setup** button  and in the *Setup* dialog box, click the **Analog TV or Digital TV** icon on the left pane.
2. Click **New** and the *Program List* dialog box will then appear (as shown at right).
3. Type in a program list name and click **OK**.
4. Click **Program Scan** and click **Yes** to continue the scanning process.
5. Available channels will then be listed in the *Program Information* and now you can delete the unwanted programs by clearing the check box.

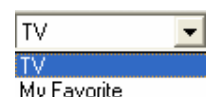


6. Click **Apply** to save the setting and click **OK** to exit the current dialog box. Or you can click **Cancel** to revert to the original settings.


OR,

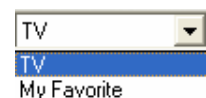
If you don't want to scan programs every time creating a new program list, you can use **Copy** function.

1. From the program drop-down list, select the program list that you want to duplicate.
2. Click **Copy** and the *Program List* dialog box will appear.
3. Type in desired name and click **OK**.
4. Finally, just like the steps described above, clear the check mark next to the unwanted channels.



To delete a program list:


1. Click the **Setup** button  and in the *Setup* dialog box, click the **Analog TV or Digital TV** icon on the left pane.
2. From the program drop-down list, select the name of the group that you want to remove.
3. Click **Delete** to remove the selected program list.



## 4.4 Selecting a TV/Radio Channel



There are three ways of switching between TV/Radio channels:

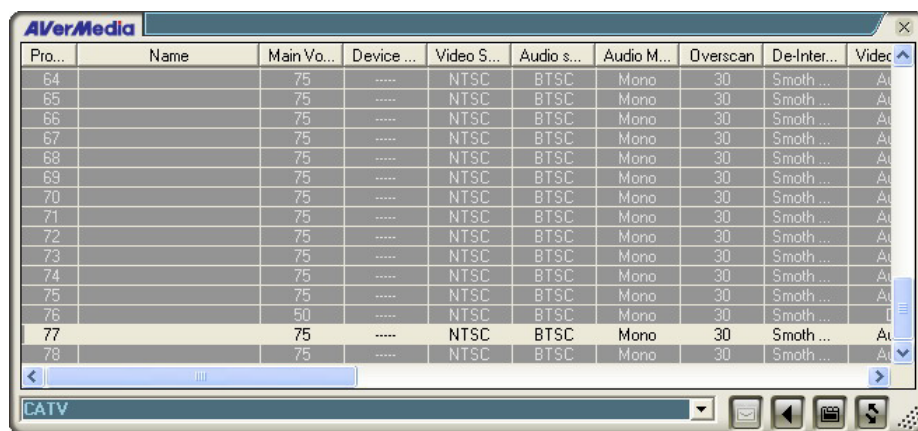
◆ Click the **Channel Up/Down** buttons (  on the TV monitor window or  on the Control Panel) repeatedly until reaching your desired channel.

◆ Click  to open the *Numeric Panel* (as shown at right). Then click on the **Numeric buttons** to get your desired channel number.



OR,



◆ Click the **Program List** button . When the Program Panel appears, select the Display Mode button . Choose the desired program list from the drop-down list and then double-click on the desired channel.

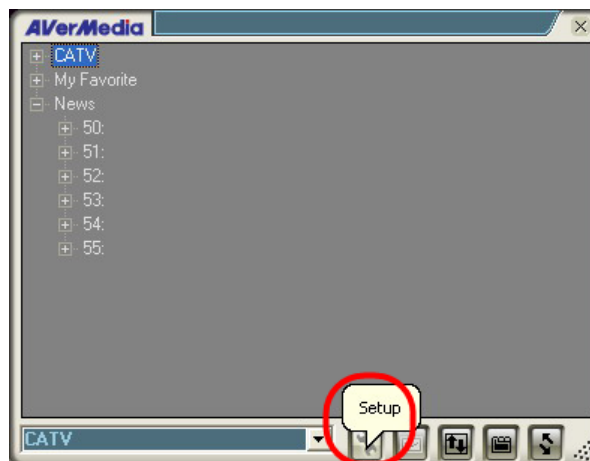



☒ **Note:** Locked channels (eg. Adult channel) are in red text.

## 4.5 Creating Channel Groups





To add a new channel group:

1. Click the **Program List** button  on the control panel.
2. Click the Setup button .



- When a dialog box appears, click New button .
- Specify the desired name in the text box.








- Hold down Shift or Ctrl key and click the channels from the list to select your own channel line up, then click  to add your selection to the desired group. Or drag the selected channels and drop them to the desired group.
- Click Save  to save the settings or click Cancel  to abort without saving. If you want to delete the unwanted group, simply click Delete .

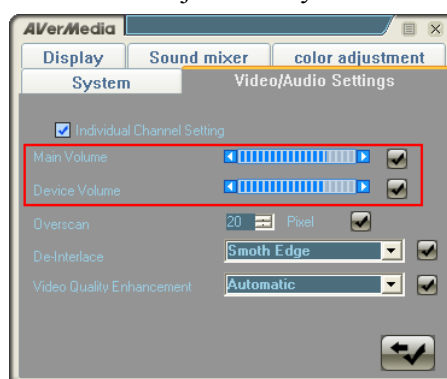
## 4.6 Adjusting Volume





On the Control Panel, click and drag your mouse over the **Volume** meter to increase or decrease the volume level. You can also press the + / – keys on the numeric keypad to adjust the volume.

OR,


- Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**. Or click **Program List** button  on the control panel and then click **Individual Channel Setting** button .
- When a dialog box appears, select **Video/Audio Settings** tab.
- Use  and  next to the icon  to adjust the system volume or the device volume.



4. If you just want to adjust individual volume level, select **Individual Channel Setting** and repeat step 4 to increase or decrease volume.
5. To apply the converted settings to all channels, click **Apply All** button .
6. Click **Default** button  if you want to revert the factory settings.


## 4.7 Specifying a Channel Name or Description

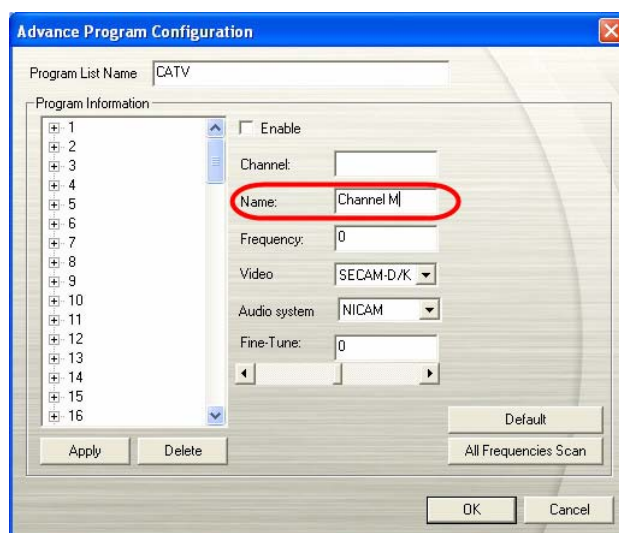
To assign a channel name or specify a description:

1. Click the **Setup** button  and in the *Setup* dialog box, click the **Analog TV or Digital TV** icon on the left pane.
2. Under the *Name* column, double-click the text box of the channel you want to assign a name or description.
3. Type in the channel name or description, then press **Enter**.

Program	Name
<input checked="" type="checkbox"/> 1	CTS
<input checked="" type="checkbox"/> 2	CTS_Edu
<input checked="" type="checkbox"/> 3	CTS_UNEWS


OR,

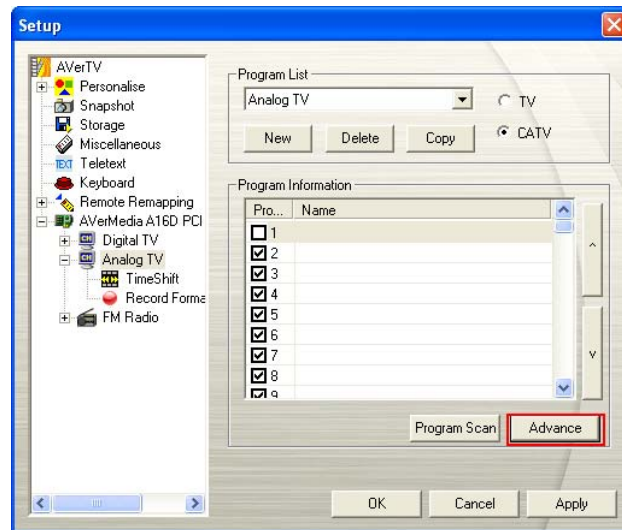
1. Click the **Setup** button  and in the *Setup* dialog box, click the **Analog TV or Digital TV** icon on the left pane.
2. Click **Advance** located at right-lower corner in the *Program Information* section. Then the *Advance Program Configuration* dialog box will appear.
3. In the dialog box, select the channel/program you want to assign a name or description.
4. In the *Name* text box, type in the desired name or description. Press **Apply** to save the settings and click **OK** to exit the dialog box. Or you can press **Cancel** to abort without saving.



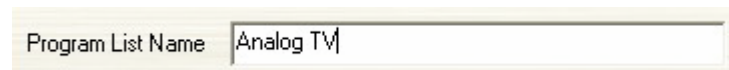
## 4.8 Modifying a program list name

You can change a program list name easily. To rename a program list, follow the steps described below:

1. Click the **Setup** button  and in the *Setup* dialog box, click **Analog TV or Digital TV** icon on the left pane.
2. Click **Advance** located at right-lower corner in the *Program Information* section. Then the *Advance Program Configuration* dialog box will appear.




3. Type the desired name in the *Program List Name* text box.

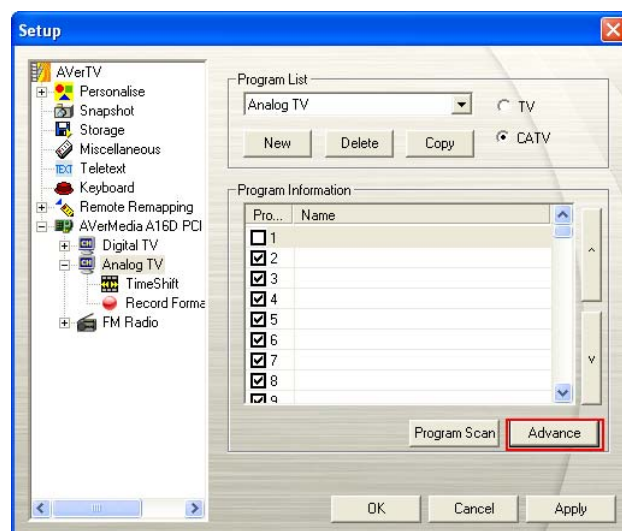


4. Press **Apply** to save the setting and click **OK** to exit the dialog box. Or press **Cancel** to abort the saving.

## 4.9 Removing Unwanted Channels

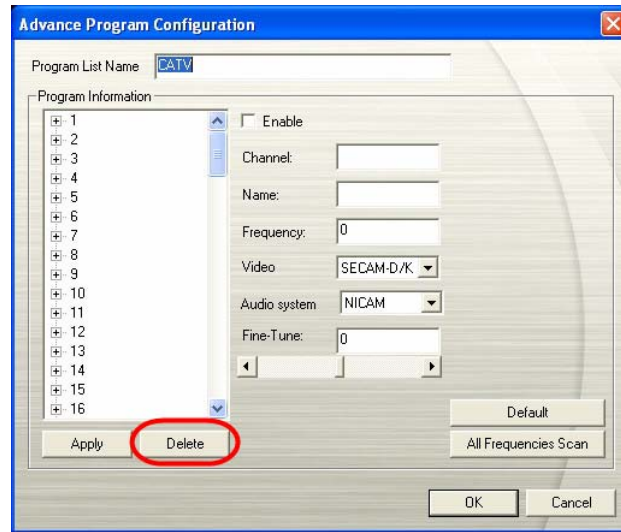
If you want to exclude unwanted channels from your channel list, do the following:

1. Click the **Setup** button  and in the *Setup* dialog box, click the **Analog TV or Digital TV** icon on the left pane.
2. Click **Advance** located at the right-lower corner in the *Program Information* section. Then the *Advance Program Configuration* dialog box will appear.





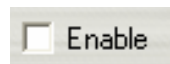
3. In the *Program Information* section, select the unwanted channel and then click **Delete**. This channel will be removed and that means you won't be able to access these programs anymore.



OR,

If you just want to skip a certain channel, do the following:

1. First, select the unwanted channel in the **Program Information** section.
2. Clear the *Enable* check box so that you will not access that channel when you press **Channel Up/Down** buttons.
3. However, you can still see the channel in your program list. If you want to watch that channel again some day just select the *Enable* check box.





# 4.10 Using the OverScan Function

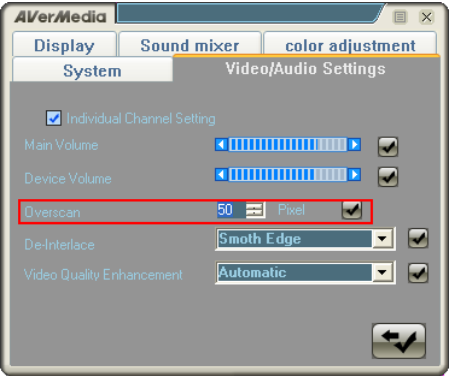
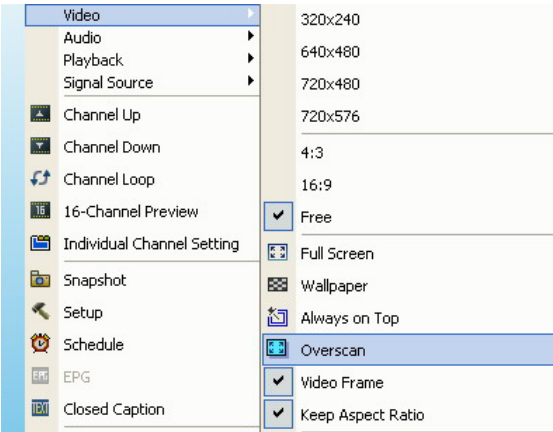
On some broadcast channels, you might see distorted lines or black spaces on the top, sides, or bottom of the screen. These video artifacts derive from the source signal, and can be masked using the **OverScan** feature.



To hide the edges of the picture:

- Right-click on the TV Monitor and choose **OverScan** to enable it.



OR,

1. Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**. Or click **Program List** button  on the control panel and then click **Individual Channel Setting** button .
2. When a dialog box appears, select **Video/Audio Settings** tab.

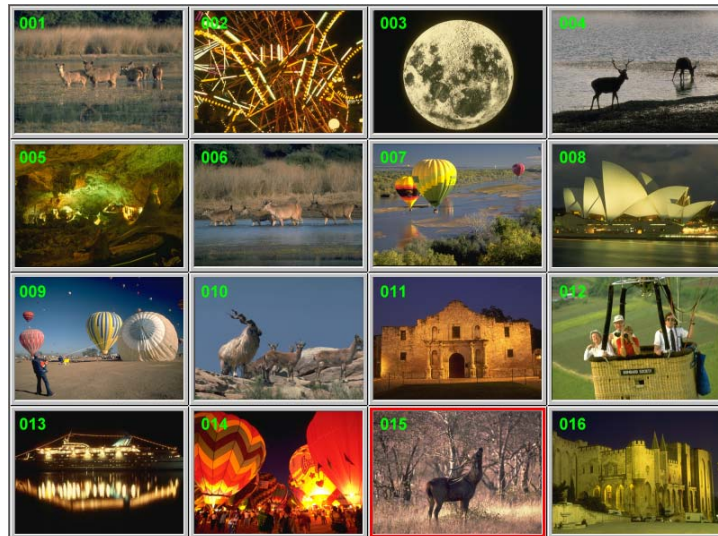


3. Specify an appropriate number (0~50) in the OverScan text box to get a better quality image.
4. If you just want to apply OverScan setting to one specific channel, select **Individual Channel Setting** and repeat step 4.
5. To apply the converted settings to all channels, click **Apply All** button .
6. Click **Default** button  if you want to revert the factory settings.

You can see the difference from the pictures below:


Before using <b>OverScan</b> function	After using <b>OverScan</b> function
	

## 4.11 16-Channel Preview



The 16-channel preview function can display 16 TV channels on-screen at the same time. You can see clearly which TV programs are currently showing on these channels.



To preview the channels:

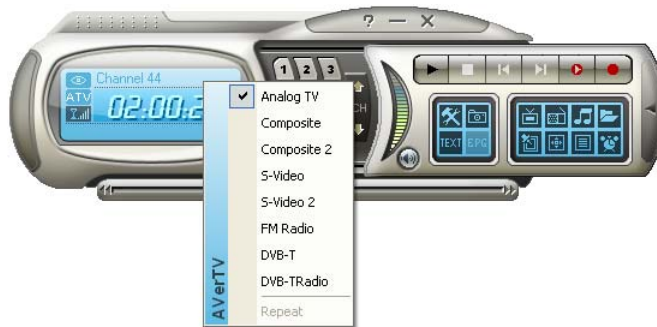
1. Click  to open the Numeric Panel.
2. Click the **16-Channel Preview** button.
3. The screen will be gradually filled up with 16 TV channels, starting from the currently selected channel.
4. Select a channel and press the numeric button “5” on the remote control to view it only and freeze the other channels. If you want to continue to display other channels just press **C** letter on the keyboard.
5. To display a channel on the TV Monitor window, select any one of the 16 channels on-screen and double-click on that channel, or use the arrow  $\uparrow$ ,  $\downarrow$ ,  $\leftarrow$ ,  $\rightarrow$  button of your keyboard and then press **Enter**. You will then be tuned in to that channel.
6. Or, click the right mouse button or press **ESC** to return to the originally selected TV channel.



## 4.12 Changing Signal Source



There are two ways to change signal source:

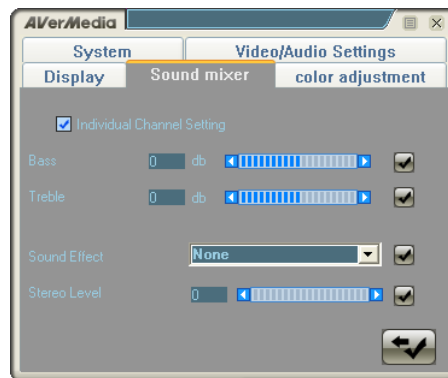
- To switch between TV and radio / external video signals, click the Radio Source button  or Video Source button  on the control panel.
- Right click on the left pane of the control panel and a pop-up menu appears. Choose the desired signal source.







## 4.13 Sound Controlling (Optional)

This function provides a variety of sound effects.

1. Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**. Or click **Program List** button  on the control panel and then click **Individual Channel Setting** button .
2. When a dialog box appears, select **Sound mixer** tab.



3. Choose the desired sound effects from the drop-down list.
4. Then use ,  or the slider to control the “Stereo”, “Bass” and “Treble” level.
5. If you just want to adjust sound effects of one specific channel, select **Individual Channel Setting** and repeat step 4 and step 5.
6. To apply the converted settings to all channels, click **Apply All** button .
7. Click **Default** button  if you want to revert the factory settings.

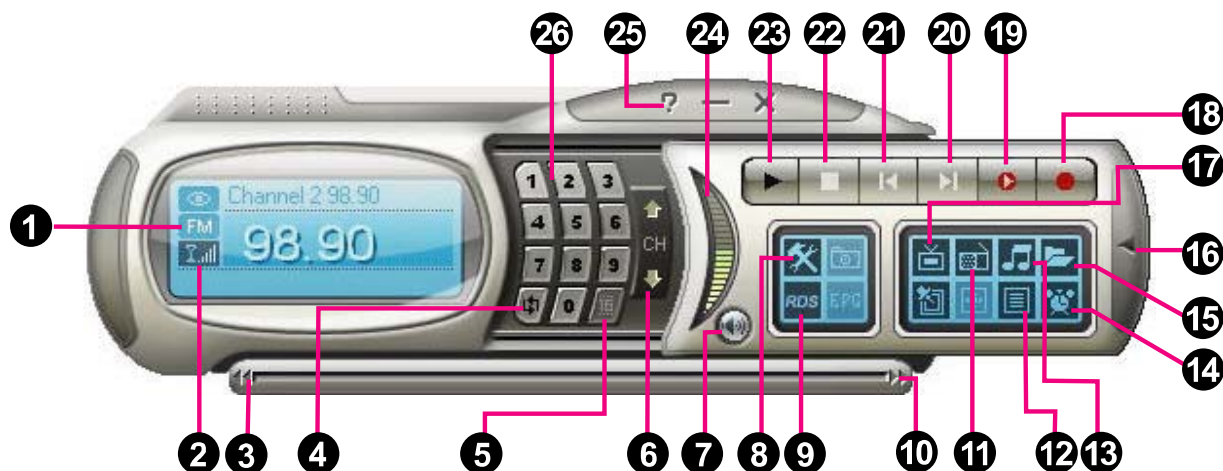
# Chapter 5 FM Radio

## 5.1 FM Radio Controls

Click the **FM Radio** button to listen to your favorite radio station programs.

Use the following button controls for selecting FM radio channels, adjusting volume, scanning FM channels, recording radio programs and more.

To change back to live TV, click the **Radio Source** button.




(This picture is only for reference)

1.	Signal Status / Enable or disable Repeat Play	14.	Schedule
2.	Signal Strength	15.	Play List
3.	Backward	16.	Show/Hide Numeric Panel
4.	Channel Loop	17.	Video Source
5.	16-Channel Preview	18.	Record
6.	Channel Up/Down	19.	TimeShift / Pause
7.	Mute	20.	Next File
8.	Setup	21.	Previous File
9.	TEXT/RDS(It may vary depends on your device and your living area.)	22.	Stop
10.	Forward	23.	Play / Pause
11.	Radio Source	24.	Volume Control
12.	Program List	25.	Help
13.	Audio Mode	26.	Numeric Buttons

## 5.2 How to Auto Scan FM Radio Channels

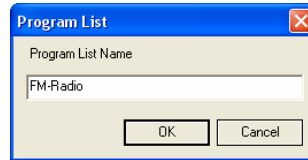
If this is your first time to use FM radio, perform auto scan to search and memorize active FM radio stations in your area.

To auto scan FM radio stations:

1. Click the **Setup** button  and in the *Setup* dialog box, select an available AVerMedia device in the left pane. Then select **FM Radio**.

- Click **New** and the *Program List* dialog box will appear. Type in the desirable name and click **OK**.

☒ **Note:** The system will assign a default name (FM-Radio) if you don't create a new program list before scanning.




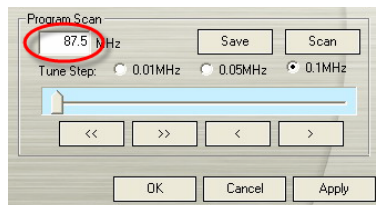
- Click **Scan**. All active channels will be automatically scanned and memorized.
- To terminate the scanning, click **Stop**.
- Click **Apply** to save the setting and click **OK** to exit the current dialog box. To abort the setting, click **Cancel**.





## 5.3 Manually Scanning Specific FM Channels

Instead of scanning all channels, you can choose to manually scan one or a few channels only. To do this, follow these procedures.

To manually rescan specific FM radio channels:


- Click the **Setup** button  and in the *Setup* dialog box, click **FM Radio** icon on the left pane.
- Enter the channel frequency that you want to start scanning in the text box.



- Select 0.01 MHz, 0.05MHz or 0.1MHz as your tuning increment.
- Click  to scan upward or  to scan downward from the selected channel frequency. The scanning will stop when the application finds the closest ACTIVE FM frequency.
- Or click  or  to increase/decrease the frequency to search your preferred channel.
- Click the **Modify** button if you'd like to keep the newly scanned frequency.

## 5.4 Selecting a Channel

To select a channel:

- Click  to open the *Numeric Panel*.
  - Click on the **Numeric buttons** to select a channel.
  - Click the **Channel Up/Down** button repeatedly until reaching your desired channel.

OR,






- Use the **numeric keys** on your keyboard to select a channel.

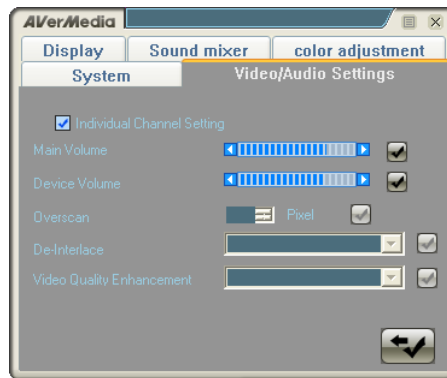
## 5.5 Adjusting Volume





On the Control Panel, click and drag your mouse over the **Volume** meter to increase or decrease the volume level. You can also press the + / – keys on the numeric keypad to adjust the volume.

OR,


1. Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**. Or click **Program List** button  on the control panel and then click **Individual Channel Setting** button .
2. When a dialog box appears, select **Video/Audio Settings** tab.
3. Use  and  next to the icon  to adjust the system volume or the device volume.



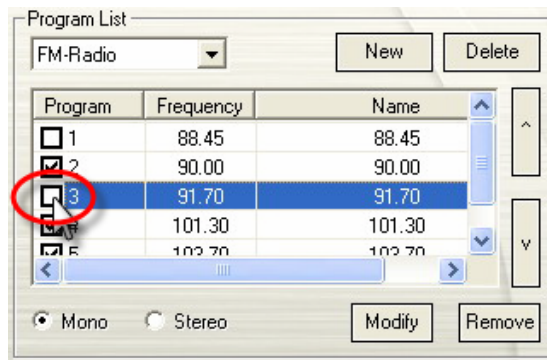
4. If you just want to adjust individual volume level, select Individual Channel Setting and repeat step 4 to increase or decrease volume.
5. To apply the converted settings to all channels, click **Apply All** button .
6. Click **Default** button  if you want to revert the factory settings.

## 5.6 Skipping Unwanted Channels

If you want to exclude undesirable channels from your FM channel list, do the following:


1. Click the **Setup** button  and in the *Setup* dialog box, click **FM Radio** icon on the left pane.
2. In the *Program* column, click the unwanted channel. The check mark will be removed, indicating that the channel will be excluded from your channel list and that you won't be able to access and hear them through the **Channel Up/Down** button.

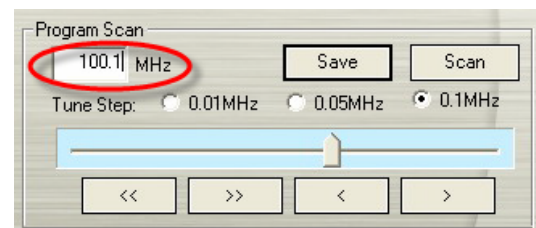




## 5.7 Adding a Radio Frequency


If the desired channel cannot be found through scanning, follow the instructions below.

1. Click the **Setup** button  and in the *Setup* dialog box, click **FM Radio** icon on the left pane.
2. Specify the correct frequency in the text box (as shown at right) and click **Save**.



## 5.8 Modifying a Radio Name

You can manually modify any existing FM radio channel.

1. Click the **Setup** button  and in the *Setup* dialog box, click **FM Radio** icon on the left pane.
2. Double click on **Name** column of the existing FM channel which you want to modify.
3. Enter the name or description you want in the provided text box and then press **Enter**.


Program	Frequency	Name
<input checked="" type="checkbox"/> 1	87.50	My Favorite
<input checked="" type="checkbox"/> 3	88.30	88.30
<input checked="" type="checkbox"/> 4	100.10	100.10
<input checked="" type="checkbox"/> 5	88.50	88.50
<input checked="" type="checkbox"/> 6	89.30	89.30

4. To modify more channels, repeat step 2 to 3.
5. Click **Apply** to save the setting and click **OK** to exit the current dialog box.

## 5.9 Adding and Deleting Program Lists

Selecting a program list allows you to switch between the channels of the selected program list only when pressing the **Channel Up/Down** button. If you want to add or delete an FM channel group, do the following:


To add a new program list:

1. Click the **Setup** button  and in the *Setup* dialog box, click **FM Radio** icon on the left pane.
2. Click **New** and the *Program List* dialog box appears. Type in a program name and click **OK**.






- Now you can start to scan FM radio channels and manage the scanned FM data for this new program list. For more information, refer to *How to Auto Scan FM Radio Channels*.
- To add more program lists, repeat steps 2 to 3.

To delete a program list:





- Click the **Setup** button  and in the *Setup* dialog box, click **FM Radio** icon on the left pane.
- From the drop-down list, select the name of the program list that you want to remove.
- Click **Delete** to remove the selected program list.

## 5.10 Creating Channel Groups

To add a new channel group:


- Click the **Program List** button  on the control panel.
- Click the **Setup** button .
- When a dialog box appears, click **New** button .
- Specify the desired name in the text box.

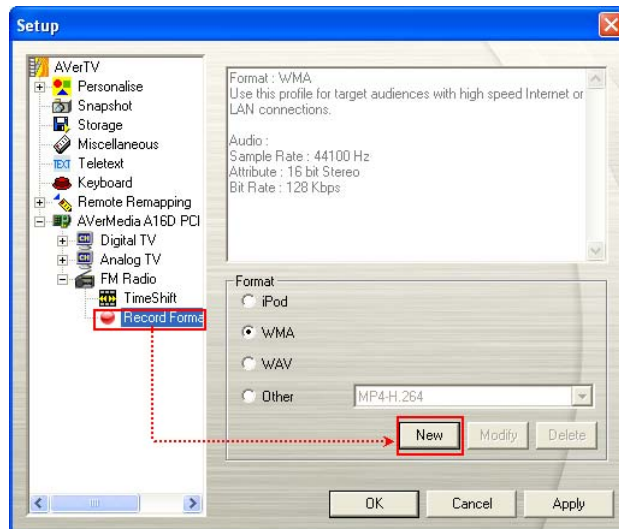


- Hold down Shift or Ctrl key and click the channels from the list to select your own channel line up. Then, click  to add your selection to the desired group. Or drag the selected channels and drop them to the desired group.
- Click **Save**  to save the settings or click **Cancel**  to abort without saving. If you want to delete the unwanted group, simply click **Delete** .

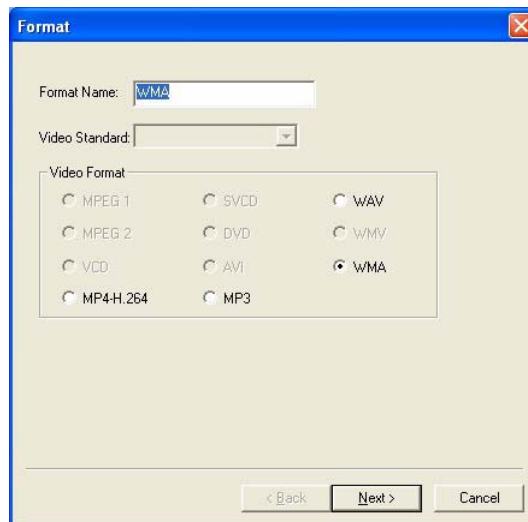
## 5.11 Customizing Audio Recording Settings

To customize audio recording settings:

- Click the **Setup** button  and in the *Setup* dialog box, click **FM Radio** icon on the left pane.
- Then select **Record Format**. You can choose default format as your audio file format. Or, you can click **New** to create your own file format. For file format description, please refer to the section titled *Customize Video Record Settings* in *chapter 3.1*.



3. In the *Format* dialog box, select the audio file format.





4. Enter the desired format name or description in the *Format Name* text box.
5. Click **Next**. In the **Video** dialog box, select the desired audio format.
6. Click **Finish**.
7. If you want to change the setting of your own file format, click **Modify** or you can click **Delete** to remove the unwanted file format that you created earlier.
8. Click **Apply** to save the setting and click **OK** to exit the current dialog box. To abort this operation, click **Cancel**.

**Note:** To determine the length of recording and to choose a destination folder in which to save the recorded audio, please refer to the section titled *Recording Setting* in Chapter 6.



## 5.12 Sound Controlling (Optional)

This function provides a variety of sound effects.


1. Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**. Or click **Program List** button  on the control panel and then click **Individual Channel Setting** button .

2. When a dialog box appears, select **Sound mixer** tab.



3. Choose the desired sound effects from the drop-down list.
4. Then use ◀, ▶ or the slider to control the “Stereo”, “Bass” and “Treble” level.
5. If you just want to adjust sound effects of one specific channel, select **Individual Channel Setting** and repeat step 4 and step 5.
6. To apply the converted settings to all channels, click **Apply All** button .
7. Click **Default** button  if you want to revert the factory settings.

## 5.13 Viewing RDS Information (Optional)

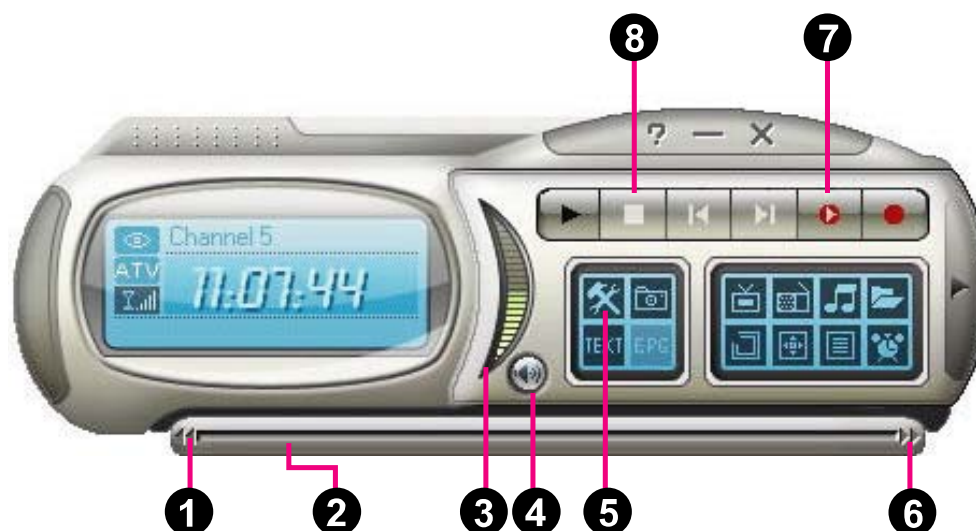
RDS (Radio Data System) is an international standard for transmitting the digital data along with FM Radio signal. An RDS-capable radio can display name of the station, program types, local traffic information or commercials, etc. To view RDS information, press  on the control panel.

# Chapter 6 TimeShift

The TimeShift function performs background recording of a TV/Radio program, and lets you return and watch any part of the recorded program. At the same time, the live TV/Radio program continues to be recorded and played back so you won't miss any part of the show. You can also advance forward to skip commercials or rewind to replay scenes one more time.

## 6.1 TimeShift Controls

Use the following button controls in the Control Panel to start recording a live program, play back the program from where you left off, advance forward, rewind, and more.




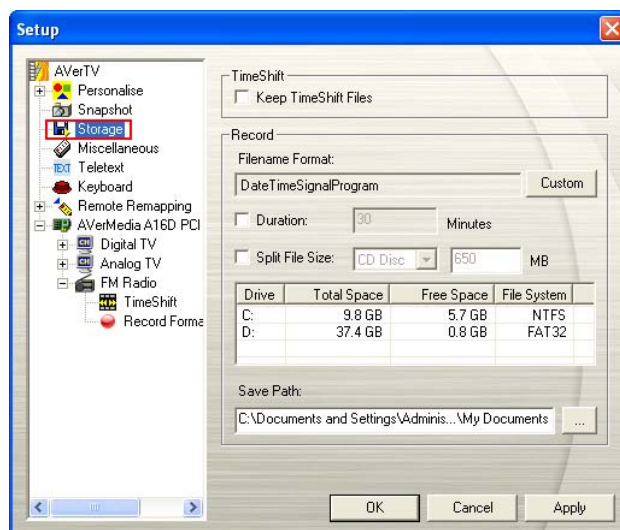
	BUTTON	FUNCTION
1	Backward	Click to move backward in intervals
2	Playback Seek	Drag the slider tab to move to any part of the recorded program
3	Volume	Drag your mouse up/down to increase/decrease the volume level.
4	Mute	Turn off the sound.
5	Setup	Allows you to: *Autoscan channels. *Create channel groups. *Configure snapshot settings. *Customize record settings. *Customize the TimeShift function.
6	Forward	Click to skip forward in intervals
7	TimeShift / Pause	Click to perform background recording of the live program and play it back simultaneously. / Click to temporarily freeze the playback.
8	Stop	Click to terminate recording and return to the live program

## 6.2 Customizing TimeShift Settings

Before you start using the TimeShift function, first check its recording settings to see if they fit your needs.


To check and customize settings:

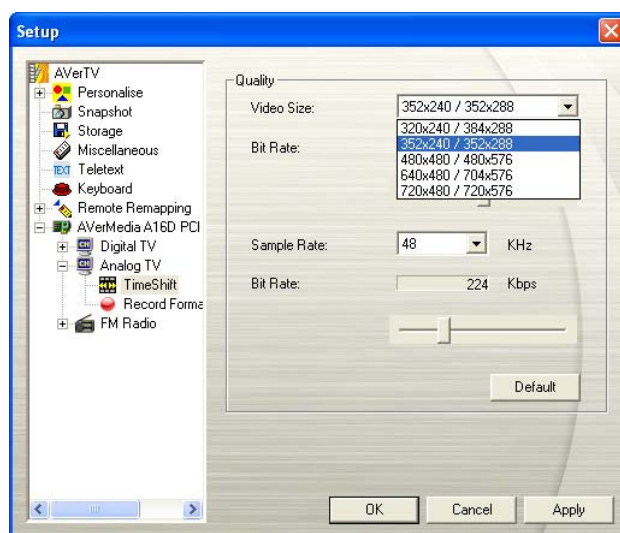
1. Click the **Setup** button  and in the *Setup* dialog box, click the **Storage** icon on the left pane. You will then see the following settings.



2. By default, TimeShift performs recording of the TV program by creating a temporary video file and deletes this file once you click the **Stop** button. If you want to save the video file, select the **Keep TimeShift Files** check box.
3. In the *Record* section, you can determine your filename format, recording time, file size and destination folder.
4. Click **Apply** to save the new settings and click **OK** to exit the current dialog box. Or, click **Cancel** to use the original settings.

To customize the file quality:


1. Click the **Setup** button  and in the *Setup* dialog box, click the **Analog TV / Digital TV / FM Radio** icon on the left pane.
2. Then click **Timeshift** icon.
3. Here you can determine the video size, bit rate and sample rate. Please be noted the items may vary depending on the device you use.







4. Click **Default** if you want to revert to the factory settings.

## 6.3 Using the TimeShift Function

To pause the live program:

1. Click the **TimeShift** button  on the Control Panel. The application will begin to record the program.
2. When you want to rewind, use the **Playback Seek** slider bar to move back to the part you want to watch or listen again. Click and drag the slider tab to the left until you see the part of the show you wish to watch or listen, then release the mouse button.



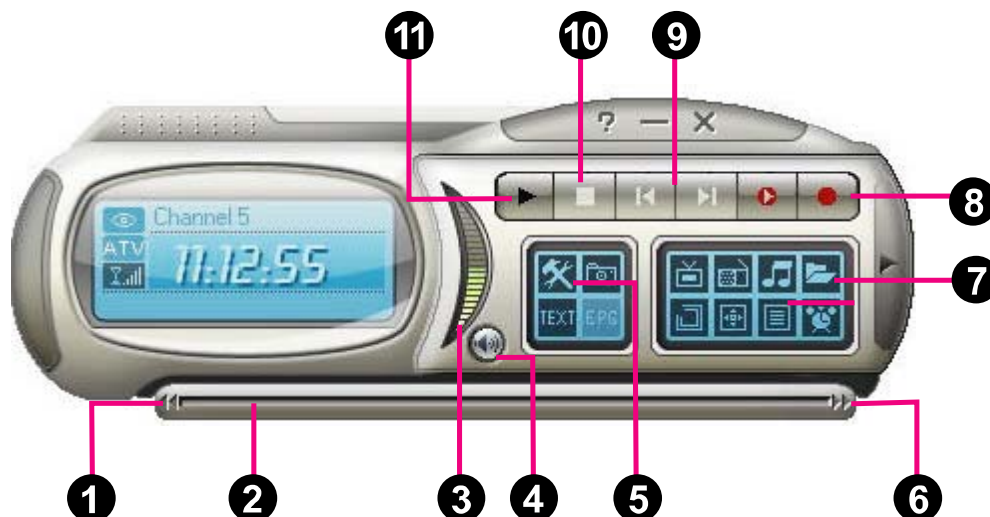
3. You can also click the **Backward** button  to move backward in fixed intervals until you reach the part where you left off.
4. To advance forward and skip some parts of the recording (for example TV commercials), drag the slider tab to the right. You can also click the **Forward** button  to move forward in fixed intervals.
5. To temporarily pause the playback, click the **Pause** button . Click **Pause** button again to resume.
6. To return to real-time viewing of the live program, click the **Stop** button . This switches off the TimeShift function and returns you to live program.

# Chapter 7 DVR

You can use your computer as a digital video recorder, and record your favorite TV programs or capture video from an external source to your hard drive. You can also divide the recording files in proper sizes to facilitate burning onto removable optical media, such as CD-R and DVD discs.

## 7.1 DVR Controls

Use the following button controls for recording and video playback.





(This picture is only for reference)


	BUTTON	FUNCTION
1	Backward	Click to move backwards in intervals
2	Playback Seek	Drag the slider tab to move to any part of the recorded file.
3	Volume	Drag your mouse up/down to increase/decrease the volume level.
4	Mute	Turn off the sound.
5	Setup	Allows you to: *Autoscan channels. *Create channel groups. *Configure snapshot settings. *Customize record settings. *Customize the TimeShift function.
6	Forward	Click to skip forward in intervals.
7	Play List	Click to create a playlist of video files to play back.
8	Record	Click to start recording.
9	Play Previous/Next File	Click to go to the previous/next video file in the playlist.
10	Stop	Click to stop recording or playback.
11	Play /Pause	Click to play back / Click to temporarily freeze the playback.

## 7.2 Recording Settings





Before recording, check if the settings meet your needs.

1. Click the **Setup** button . In the *Setup* dialog box, click the **Storage** icon on the left pane.
2. By default, the system is set the recording “Date” and “Time” as the file name format. To create your own file name format, please click **Custom**.
3. The *Duration* option allows you to specify a recording duration otherwise the system will record the largest clip that your hard drive can accommodate.
4. This application lets you to divide the recording files into smaller parts for burning onto removable optical media, such as CD-R (650 MB) and DVD (4096 MB) discs. Enable the *Split File Size* option and select the appropriate video file size from the drop-down list so that each video file will not exceed the limit. Or you can choose **Custom** to assign the file size you want.
5. Determine the destination folder. Click  to choose a folder you want.
6. Click **Apply** to save the settings and click **OK** to exit the current dialog box. To abort this operation, click **Cancel**.
7. To determine the file format, please refer to the section titled *Customizing Video Recording Settings in chapter 3* or *Customizing Audio Recording Settings in chapter 4*.

☒ **Note:** To hide the sound of the TV program when recording, click the Mute button  on the Control Panel.

## 7.3 Using the Recording Function

To record a TV/Radio program that you want, do the following:

1. Click the **Record** button  on the Control Panel.
2. You can click the **Stop** button  to terminate the recording and return to live TV program.


## 7.4 Playing the Recorded Programs

Each TV program that you recorded will be saved as a video file in the assigned destination folder.

To play back the recorded video files:

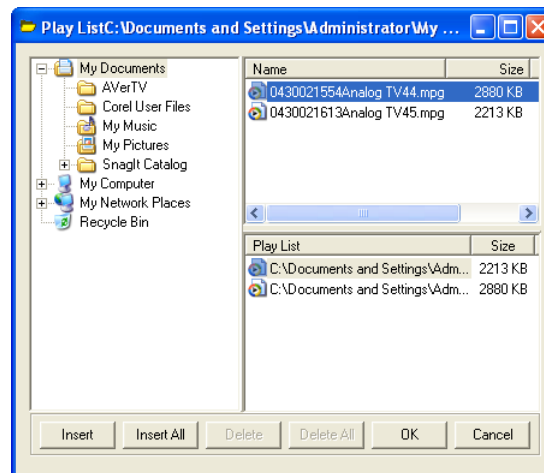
Click the **Play** button  to play back.

OR,

- (1) Click the **Play List** button , and you may see some recorded video files are listed at the top right pane of the *Playback List* window.
- (2) To add more video files to the playback list, first navigate the *file* on the left pane to find the folder that contains the desired video files. When you have located the folder, the media files will then be displayed on the right top pane. Select the files that you want, then click **Insert**, or click **Insert All** to add all media files in the folder to the playback list.



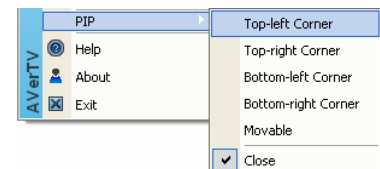
- (3) To delete files from the *Playback List*, select them from the list in the bottom right pane and click **Delete**, or click **Delete all** to delete all files in the playback list.











## 7.5 Picture-in-Picture Display

With the picture-in-picture window feature, you will be able to play back recorded video files, and at the same time, watch live TV.

To enable PIP function, right click the TV monitor, select **PIP** and choose desired position of the PIP window.



Position	Description
Top-left Corner / 	Display the PIP window on the top-left corner
Top-right Corner / 	Display the PIP window on the top- right corner
Bottom-left Corner / 	Display the PIP window on the bottom-left corner
Bottom-right Corner / 	Display the PIP window on the bottom-right corner
Movable / 	Resize the PIP window and separate it from the main window

By default, you will be able to play back recorded video files on the main window, and at the same time, watch live TV on the PIP window. If you want to switch the video playback to the PIP window and the live TV to the main window, press the button . You can also press the button  to fix the size of the PIP window and the distance between the main window and the PIP window. To exit the PIP window, press .

# Chapter 8 Image Capture


While you watch TV or a recorded video on your PC monitor, you can use the **AVerTV 6** application to capture images for your documents, presentations or web pages.

## 8.1 Before Capturing

Before you start capturing images, first set the destination folder for saving captured images.

Click the **Setup** button , and select the **Snapshot** icon on the left pane. Then click  to choose a folder where you want to save captured images.

## 8.2 Capturing a TV/ Video Image

 To capture a still image, click the **Snapshot** button on the Control Panel. The *Album* will then appear, displaying thumbnails of the captured images.




	BUTTON
1	Wallpaper
2	Save as
3	Remove
4	Remove All


To capture another image, click the **Snapshot** button on the Control Panel again. New thumbnails will be added to the *Album* as you capture more images.

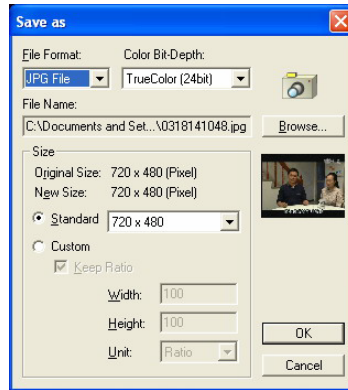
By double-clicking on the thumbnails, you can view images in a full-screen window with default image viewer.

To display the captured image as your desktop wallpaper :

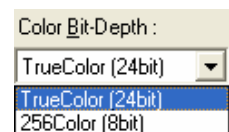
1. Select the thumbnail of the desired image and then click the **Wallpaper** button .
2. The selected image will be displayed as your desktop wallpaper, the background of your desktop.

To save the captured image:

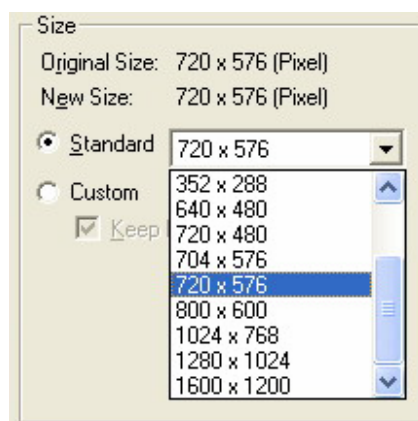
1. Select the thumbnail of the image and then click the **Save As** button . The *Save As* dialog box will then appear.



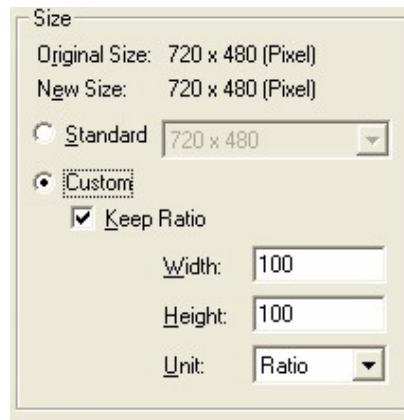
2. From the *File Format* drop-down menu, select the format for saving the captured image.
3. Choose the *Color* format. The options here depend on the file format you choose.
  - Choose 24-bit to capture image in 16M colors.
  - Choose 8-bit to capture image in 256 colors.
4. Click **Browse** to scan for folders and select a destination location for saving the image. Then specify a file name for saving the captured image.



5. Choose the image size.
  - In the *Size* section, select the **Standard** option and choose a desirable image size from the drop-down list.




- If you want to set your own image size, select **Customize** and enter the image **Width** and **Height**. If you want to maintain relative width and height, select the **Keep Ratio** option. Choose a measurement unit from the **Unit** drop-down list. You can specify any image size you want. The maximum capture size can be 1600×1200.

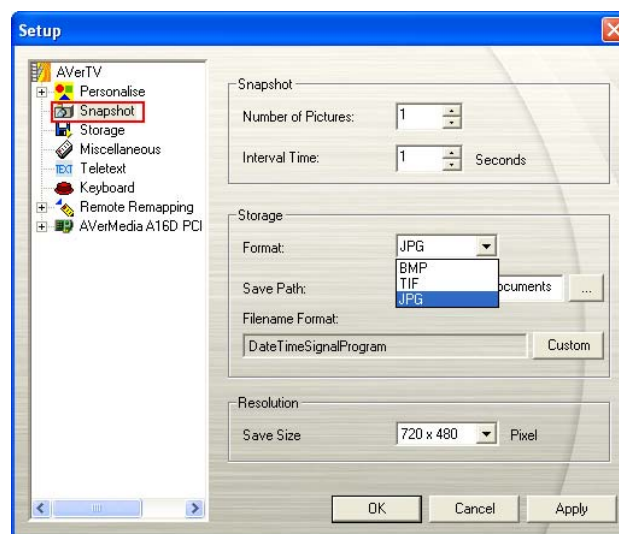



6. Click **OK** to save the image. Click **Cancel** if you do not want to save the image.

### 8.3 Multiple Image Sequence Capture

To capture a continuous sequence of images, do the following:

1. Click the **Setup** button . In the Setup dialog box, click the **Snapshot** icon on the left pane.




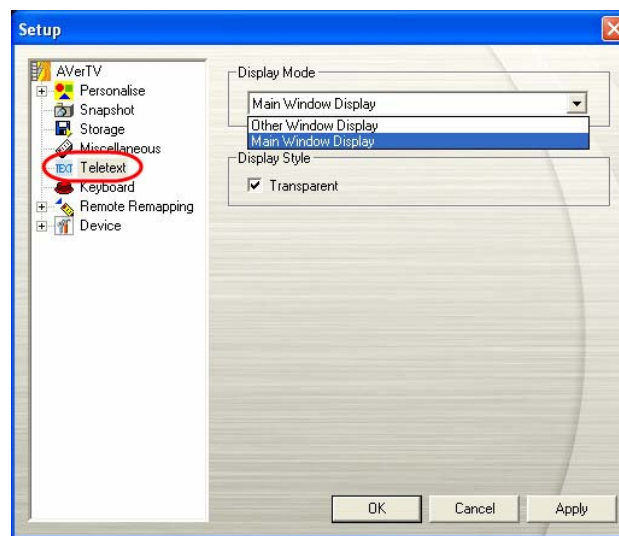
2. In the *Number of Pictures* box, specify the number of images you want to capture.
3. In the *Interval Time* box, specify the interval between captures. For instance, if you specify 10 seconds, an image will be captured every 10 seconds.
4. On this page, you can choose the file format and destination folder, file name format and image resolution in advance.
5. Click **Apply** to save the new settings and click **OK** to exit the current dialog box. Or Click **Cancel** if you do not want to change the settings.
6. Click the **Snapshot** button  on the Control Panel to start capturing.

# Chapter 9 Teletext (PAL/SECAM only)

Teletext makes TV viewing a unique experience. It allows you to view teletext broadcasts from your television programs to get the most updated information on TV Schedules, News, Stock Market Prices, Concert & Theatre information and so on. Teletext information may not be available if there is no such service provided in your region or country.


## 9.1 Customize the Display Mode

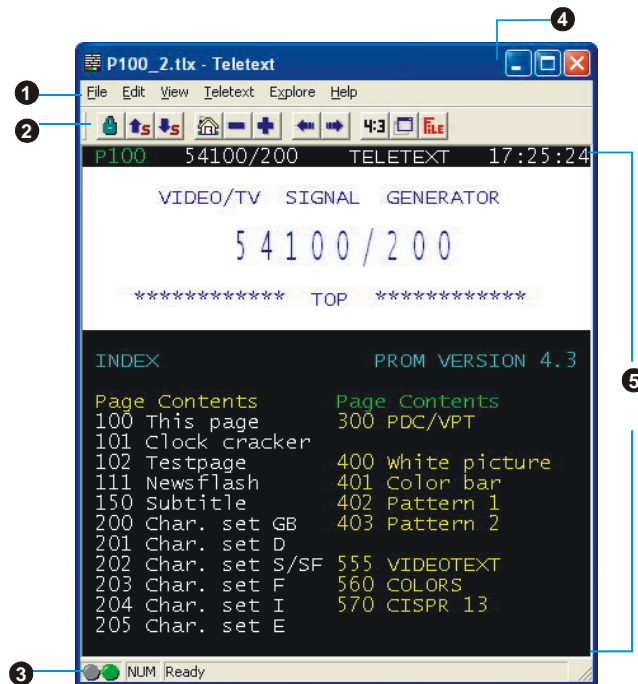
1. Click the Setup button  and in the setup dialog box, click the Teletext icon in the left pane.
2. From the Display Mode drop-down list, choose Other Window Display to open a new Teletext window or choose Main Window Display to overlay the Teletext window on the TV monitor.
3. Select the Transparent check box to make the Teletext window transparent.



(This picture is only for reference)

## 9.2 Overview

Click the **Teletext** button  on the control panel to open the Teletext application as shown below. For more information about Teletext, please see below in this chapter.



	BUTTON	FUNCTION
1	Menu Bar	This contains the names of the available drop-down list option menus. To access any of the menu items, simply click on it or hold down Alt and press the first character of each item.
2	Toolbar	It includes buttons that gives quick access to perform certain frequently used functions from the <b>Menu</b> Bar.
3	Status Bar	Status bar is located at the lower left corner of the window. It contains a short text message or explanation of the currently selected menu command.
4	Title Bar	This is located at the top of the window. It contains the current displayed page number or in hexadecimal page number of an active window.
5	Teletext Browser	Teletext information is displayed in this area. The information would be the TV schedules, news, stock market reports, concert & theater information and so on.

## 9.3 Toolbar Buttons



### Lock Sub page

Locks the current sub page. The upcoming transmitted sub pages will be stored in the Teletext Cache for later use.



### Previous Sub page/ Next Sub page

Switches to the next or the previous sub page.



### Home (Ctrl+H)

Connects to the Teletext home page which always goes to page 100, but page 100 may not be the primary Teletext source.



### Previous Page (-) / Next Page (+)

Displays the preceding or the succeeding Teletext in hexadecimal page number.



### History Back / History Forward

Retrieves the previous page in the history list.

Moves a page forward in the history list. The command is usable after one or more back steps in the history list.



### TV Scale

Changes the proportion of the Teletext window to 4 by 3.



### Always On Top

Makes Teletext Window float over the top of other applications.



### Teletext File

Switches between the Teletext file which is opened from the previously saved file and the most recent Teletext information.

## 9.4 LED Lamp

Different LED color indicates different state.

### Left LED Lamp:

Gray -- The system does not receive the Teletext broadcast data.

Green -- The system is receiving the Teletext broadcast data.

### Right LED Lamp:

Green -- The cache in Teletext application is running less than 90% usage.

Yellow -- The cache in Teletext application is running over 90% usage.

Red -- The cache in Teletext application is running out.

## 9.5 Using Teletext

The following briefly describes how to use the Teletext feature.

### Teletext Page

There are two page numbers displayed on the first line of each Teletext page. The page number on the left is the page number that you have selected or keyed in. The other one in the middle of line is the page number of the currently displayed Teletext data.

The newly selected page number will appear on the upper left corner of the page. Sometimes, this may take a while to retrieve the newly selected Teletext page. There will be no changes on the page when there is no page data transmitted with the number you have selected.

A Teletext page can be selected with one of the following methods:

- Key in the hexadecimal or Teletext page number using the numeric buttons of your keyboard or AVerMedia TV remote control.
- Press the + (positive) or – (negative) button to move to the succeeding or preceding Teletext page.

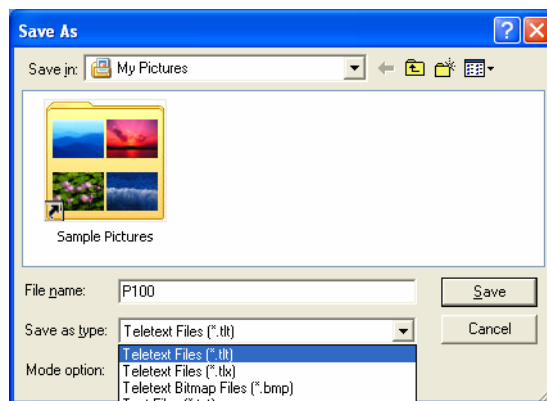
### Copying a Teletext Page

1. Simply click and drag over the text or the area that you want to copy using the mouse.
2. Choose **Copy** from the **Edit** menu (*Alt+E, C*) or press *Ctrl+C*.
3. You can then paste the contents of the Teletext page in TXT or BMP format to a document you are working with.

### Saving a Teletext Page

Some Teletext pages include a number of subpages. If the file has subpages, Teletext will also save the existing subpages.

1. A Teletext page can be saved using one of the following ways:
  - To automatically save the file using the displayed Teletext page as the filename and the default file format, choose **Save** from the **File** menu or press *Ctrl+S*.
  - To save the file by specifying your own filename and different file format, choose **Save As** from the File menu or press *Ctrl+A*.
2. A save as dialog box will appear:



3. Select the file format to use for saving the Teletext page. You can save the Teletext page in :

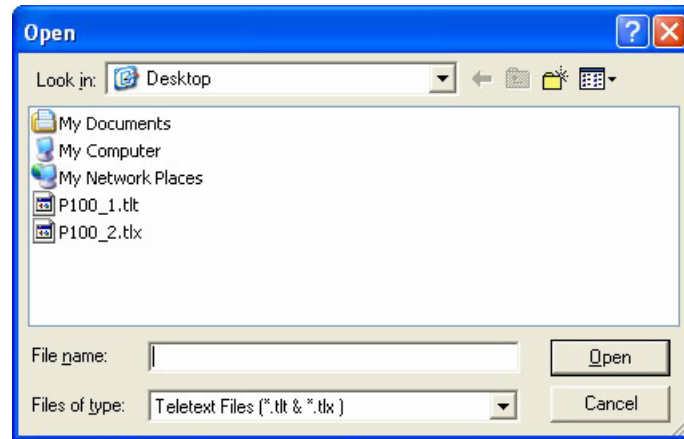
- TXT** Text file format
- BMP** Windows bitmap file format
- TLT** Teletext file format
- TLX** Teletext file format



4. Enter a filename and click OK.

### Opening a Teletext Page

1. Choose **Open** from the **File** menu or press *Ctrl+O*.
2. From the Open dialog box, select the file containing the teletext page you want and click **Open**.



### Opening Another Teletext Window


To open another teletext window, choose **New Window** from the **File** menu or press *Ctrl+W*.

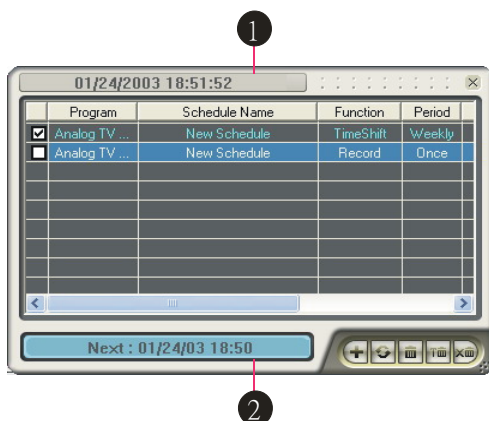
### Closing the Active Teletext Window

Choose **Close Window** from the **File** menu or press *Ctrl+L* to close the active Teletext page window.

# Chapter 10 Scheduler

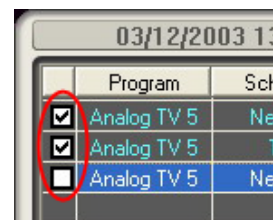
The **Scheduler** allows you to create a list of preset schedules for watching and recording your favorite TV/Radio programs. You can set the day and time to record the TV/Radio program and specify the length of recording.

To run this application, click the **Schedule** button  on the Control Panel. Then the Scheduler dialog box will appear.



BUTTON	
1	Current Time
2	Selected Schedule

The check box next to the **Program** column (as shown at right) indicates the schedule will be executed at a preset time. Once the application starts to execute a scheduled task, the system will clear the check mark automatically. If you want to skip the schedule temporarily, just clear the check box.



## Schedule Management

This displays a list of preset schedules you have created.

**Modify** 

Select a preset schedule and click this button to make changes.

**Delete** 

Click this to delete selected schedule.

**Delete Expired Schedule** 

Click this to delete the expired schedule.

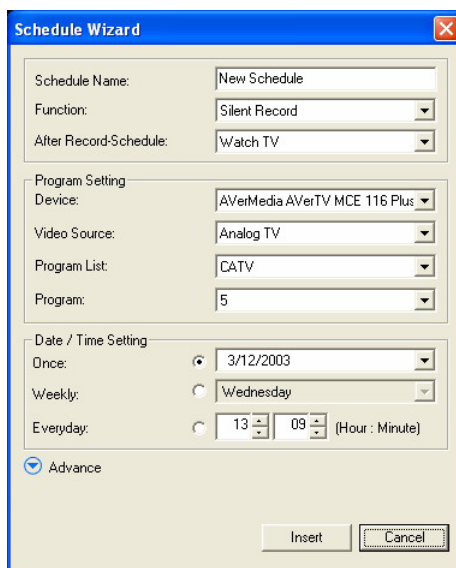
**Delete All** 

Click this to delete all schedules.

## 10.1 Adding Schedules


To create a new schedule:

3. Click the **Add** button .
4. The following dialog box will then appear:

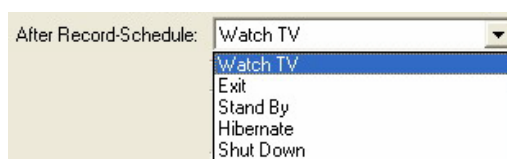


5. Type the desired name in the *Schedule Name* text box.
6. From the *Function* drop-down list, select **Activate AVerTV** to watch a TV program or listen to a radio broadcast. Otherwise, select **Record** to save a TV/Radio program for future viewing/listening. You can also select **Silent Record** which means the system will perform background recording instead of activating the TV/Radio program. If you want to schedule a task to enable Timeshift function, select **Timeshift**.




☒ **Note:** If you select **Silent Record**, when the application is performing the recording task, the icon  will appear on the task bar (the lower right corner of the screen). To immediately watch or listen to the TV/FM program which is being recorded, just double-click this icon.

7. In the *After Record-Schedule*, it automatically switches to the selected power control mode when the schedule recording is completed. Choose an appropriate power control status listed below:



- Watch TV: Switch to real-time TV mode.
- Exit: Turn off the AVerTV Application.
- Stand By: Turn off your monitor and hard disks.
- Hibernate: Save everything and then turn off your computer.
- Shut Down: Turn off your computer.

☒ **Note:** If you choose **Watch TV** from the drop-down list, after completing the **Silent Record** task, the icon  will appear on the task bar (the lower right corner of the screen). Just double-click this icon, you can immediately watch live TV or listen to the radio.

8. In the *Program Settings* section, select the desired device, video source, group and channel you want.
9. Set the schedule to tune in live TV or to perform recording. You can set the schedule on **Once**, **Daily** or **Weekly**.
  - Choose **Once** to perform schedule at a preset day and a preset time.
  - Choose **Weekly** to perform schedule every week, at a preset day and time.
  - Choose **Everyday** to perform schedule everyday at a preset time.
10. If you choose **Activate AVerTV** in step 4, click **Insert** to complete the settings. If you choose **Record** or **Silent Record**, you need to do the following.
11. Click the **Advance** icon.
12. In the Record Setting section, you can determine the file format, recording duration, file size, destination folder and audio mode.
13. Click **Insert** to save the new schedule or click **Cancel** to abort without saving.

**Schedule Wizard**

Schedule Name: New Schedule  
 Function: Record  
 After Record-Schedule: Watch TV

**Program Setting**  
 Device: AVerMedia AVerTV MCE 116 Plus  
 Video Source: Analog TV  
 Program List: CATV  
 Program: 5

**Date / Time Setting**  
 Once: 3/12/2003  
 Weekly: Wednesday  
 Everyday: 13 09 (Hour : Minute)

**Advance**

**Record Setting**  
 Max. Available Time: Unknown

Drive	Total Space	Free Space	File System
C:	9.8 GB	6.6 GB	NTFS
D:	37.4 GB	0.8 GB	FAT32


Format: AVI  
 Duration: 0 30 (Hour : Minute)  
 Split File Size: Custom 650 MB  
 Save Path: C:\Documents\My Documents  
 Audio Mode: Mono

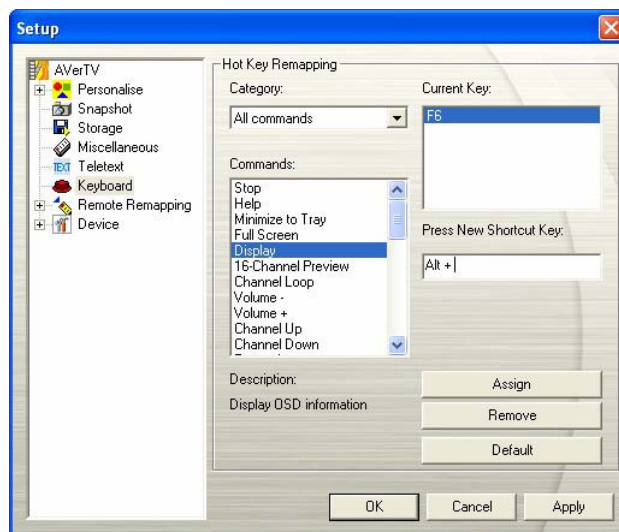
Insert Cancel

# Chapter 11 Hot Keys

You can use the default hot keys or create your own hot keys.

To re-define the shortcut keys:

1. Click the **Setup** button . In the *Setup* dialog box, click the **Keyboard** icon on the left pane.
2. Choose the signal status from the **Category** drop down list.
3. Choose a command that you want to specify a new hot keys.
4. Assign hotkey combination to the command that you use most often and then click **Assign**. Or you can click **Remove** to delete hotkeys.



(This picture is only for reference)

5. Click **Default** if you want to revert to the factory setting.
6. Click **Apply** to save settings or click **Cancel** to abort without settings.

**Note:** It is recommended to use an unassigned key to use as your new keys.

The following is the default definition:

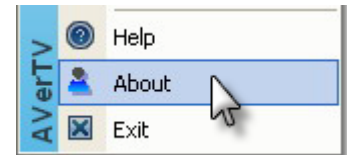
Hot Key	Description	Function
UP/DOWN ARROW	Channel or Frequency Up/Down	Press to go to the next upper/lower TV/Radio channel.
L	Channel Loop	Press to go to the previously accessed TV/Radio channel.
NUMERIC KEYS	Select Channel	Use NUMERIC KEYS to directly enter the TV/Radio channel number.
ESC	Stop or, Change back to Normal View	Stop (playback, recording, TimeShift, or 16-Channel Preview). Or change full screen back to normal view.
F1	Help	Open the Users Manual.
F2	Minimize	Minimize the application and an icon will appear in the notification area. To return to the previous screen, double click the icon again.
F5	Full Screen	Show TV/Video in full screen.
F6	Display (OSD) information	Display information on the TV monitor.
F8	16-Channel Preview	Press to perform 16-Channel Preview function.
+/- (on your numeric keypad)	Volume	Press to increase or decrease the volume level.
LEFT/ RIGHT ARROW	Rewind/ Fast Forward	Press to rewind or fast forward (for playback and TimeShift).
A	Audio Mode	Choose between available languages.
D	Show/Hide TV Monitor Panel	Toggles between showing and hiding the panel on the TV monitor window.
M	Mute	Turn off/on the sound.
Ctrl + N	Play Next File	Play the next file in the playlist.
Ctrl + P	Play Previous File	Play the previous file in the playlist.
Ctrl + R	Record	Start recording.
P	Play / Pause	Play/Pause (for playback, recording, and TimeShift).
Ctrl + S	Snapshot	Capture an image (or a continuous sequence of images).
Ctrl + T	TimeShift	Enable the TimeShift function.
Insert	Transparent	Make Teletext window transparent. (Only available for Teletext overlay mode.)
Page Up	Previous page	Go to the preceding Teletext page.
Page Down	Next page	Go to the succeeding Teletext page.
Home	Home page	Go the Teletext home page.



## Chapter 12 Customer Service

The AVerTV application provides a convenient tool, which allows users to contact AVerMedia's customer service department easily via our website. Please make sure that you have already connected to the Internet.

To contact the customer service:

1. Right-click on the TV monitor window. When a menu list pop-up, choose **About** (as shown at right).
2. When a information dialog box appear, select the office in your area from the drop-down list.



3. Click  to connect to our website. Then click  to exit the current dialog box.

[www.avermedia.com](http://www.avermedia.com)