

***ComproPVR 2***  
***User's Guide***

Compro Technology, Inc.  
[www.comprousa.com](http://www.comprousa.com)

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# 1 Introduction

ComproPVR is a complete digital entertainment solution for your PC. Watch and record TV programs on your PC, in full-screen mode or in a window. Timeshifting lets you watch TV, pause live TV, or review your favorite scenes without missing a minute of the program. Integrated deinterlacing technology assures the highest picture quality. All this, with the industry's first universal remote control.

ComproPVR can convert analog video sources, such as TV programs, home video tapes, to MPEG-1 / MPEG-2 / MPEG-4 formats for editing and recording to a CD or DVD. Easy-to-use video quality presets simplify the recording process. Everyone can enjoy this convenience and powerful personal video recorder -- ComproPVR.



### Key Features

- Watch and record TV programs.
- Supports all TV channels. View all available TV programming.
- Never miss a second with Timeshifting.
- Advanced PIP/POP feature
- Video desktop to watch TV and playback video file in the same time
- Powerful and easy to use schedule recording functioning.
- Capture video from analog video sources and encode them to digital MPEG-1, MPEG-2 or MPEG-4 formats.
- 12 and 16 channels surfing.
- 4:3, 16:9, full screen and customized ratio screens available.
- Convenient Snapshot feature, series or single shot supports.
- Zoom a zone of video image.
- Completely customized On-Screen-Display (OSD) function. Your choices of size, color, and position.
- My favorite channels. Sorting and rearrangement channel orders.
- Video smooth, noise reduction, and scalar technology.
- Mono/Stereo/MTS or Nicam TV stereo support.
- Support Closed Caption and Teletext (where available).
- Electronic program guide support, for example, TitanTV EPG in USA.
- Always on top, hiding window frame and video on desktop.

- Brightness, hue, contrast, saturation, and sharpness options for adjustment. It's also available for each channel.
- Auto splitting of recording files.
- Support for plug-in CODECs.
- Auto tune for best picture quality frequencies.
- Parental control to lock out selected channels.

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### Note

ComproPVR cannot duplicate VHS tapes and DVDs protected by Macrovision™ technology.

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### Installation

Usually, ComproPVR is automatically installed upon inserting the installation CD into your CD drive. Follow the instructions of the software installer.

You can also manually install it by inserting the installation CD. Open Explorer, double-click on the "setup.exe" in the folder named ComproPVR. ComproPVR will be installed right away.

### Updates

User satisfaction is the first priority for Compro Technology. Your opinion is crucial in improving our products. Therefore, Compro Technology is continuously improving our products. You can download the latest version of ComproPVR from our website at

<http://www.comprousa.com/>

After downloading the patch files of ComproPVR, just double-click the update file. It will automatically start the installation program. Restart the computer when prompted.

### Remove the Software

You can remove ComproPVR through "Add/Remove Programs" in Control Panel. Find the ComproPVR entry in and click on the "Remove" button. ComproPVR will be removed from your computer.

## 2 Remote Control

### Definitions and Usage

Remote control keypad lets you control the ComproPVR application with a familiar, user-friendly interface.

The next two pages describe how to use the remote control to operate ComproPVR.

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#### Note

Not all products support remote function. Please check the description on the product box.

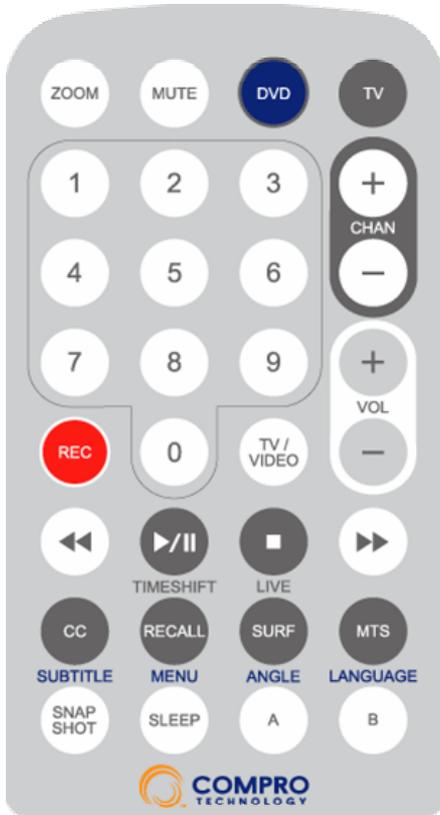
There are different kinds of remote controls. The following illustrate one of the kinds only. Please refer the product installation guide for more information.

The Compro remote control cannot be reprogrammed to control other appliances such as your VCR or satellite decoder box.

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## Remote Control Key Definition and Use

Please refer to the buttons and their corresponding function listed on the opposite page.

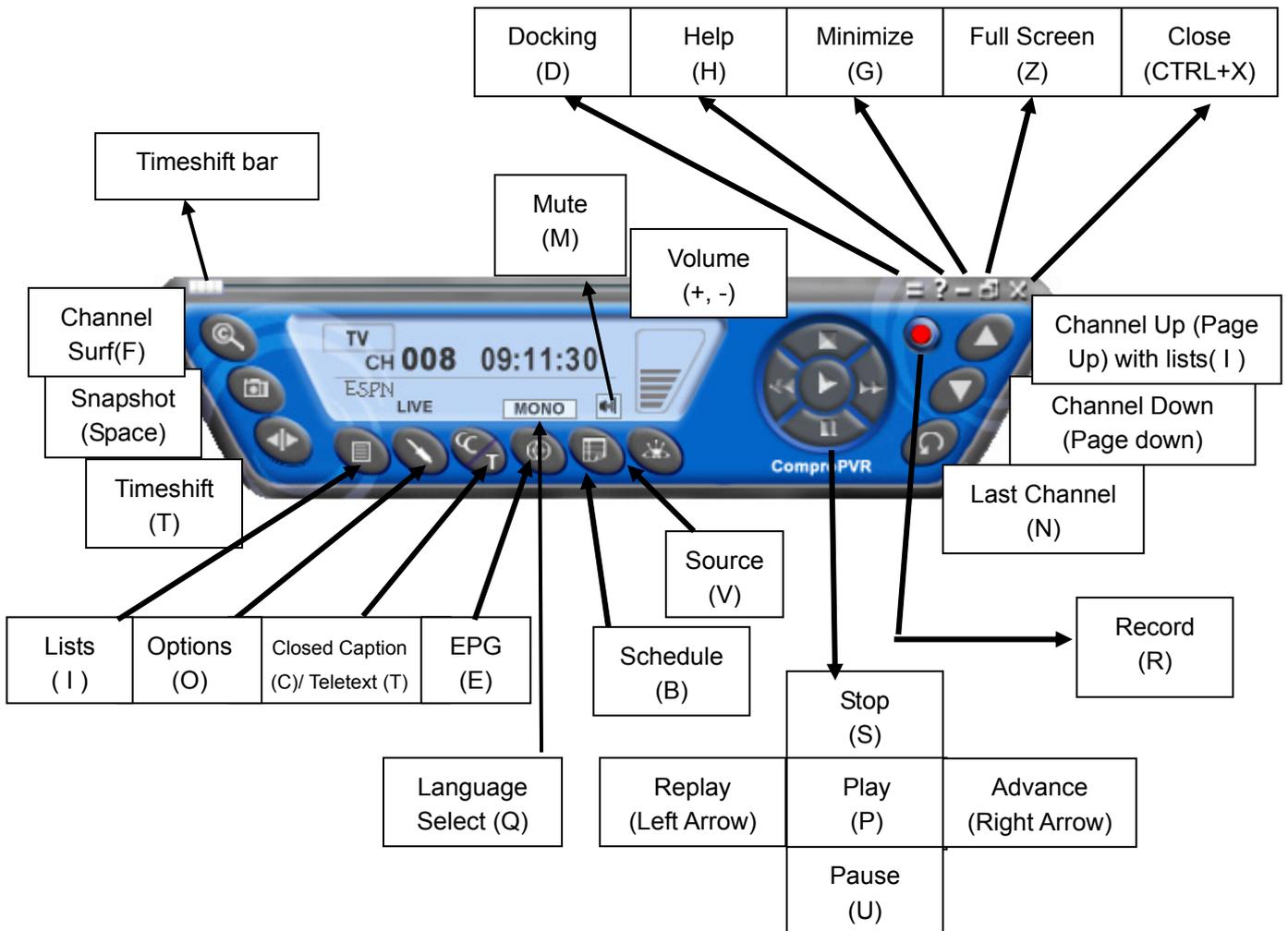


Icon	ComproPVR 2	ComproDVD 2
ZOOM	Zoom In/Out	
DVD	Start/Stop ComproDVD 2	
TV	Start/Stop ComproPVR 2	
0-9	Number keys	Number keys
CHAN	Switch channels	Not used
VOL	Volume	Volume
REC	Record	Snapshot
TV/VIDEO	TV/ S-Video/ Composite	Add to bookmark
Backward	Replay	Rewind
Play/Pause	Pause or enable timeshifting	Play/Pause during playback
Stop	Stop	Stop
Forward	Advance	Forward
CC	Closed caption	Select language
RECALL	Previous channel	Not used
SURF	Channel surf	Choose DVD angle
MTS	Mono/Stereo/SAP	Select language
Snapshot	Snapshot	Not used
SLEEP	Sleep function	AB repeat
A, B	Not used	Not Used

### 3 ComproPVR User Interface

#### Control Panel

The ComproPVR control panel resembles the controls on a VCR. Keep in mind that not all options are available at all times, and may be grayed out or inaccessible depending on your hardware setup and TV services available. The following describe the ComproPVR control panel functions, and tips for using ComproPVR. The following figure gives you the function of the button with (Hot Key.)



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Icon	HotKey	Description
	A	Enable/Disable Always-on-Top function for TV window.(Oregon circle on the upper-right corner of the TV window)
n/a	L	Sleep function

**Note:** Language select is only available while the program supports it.

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## Watching

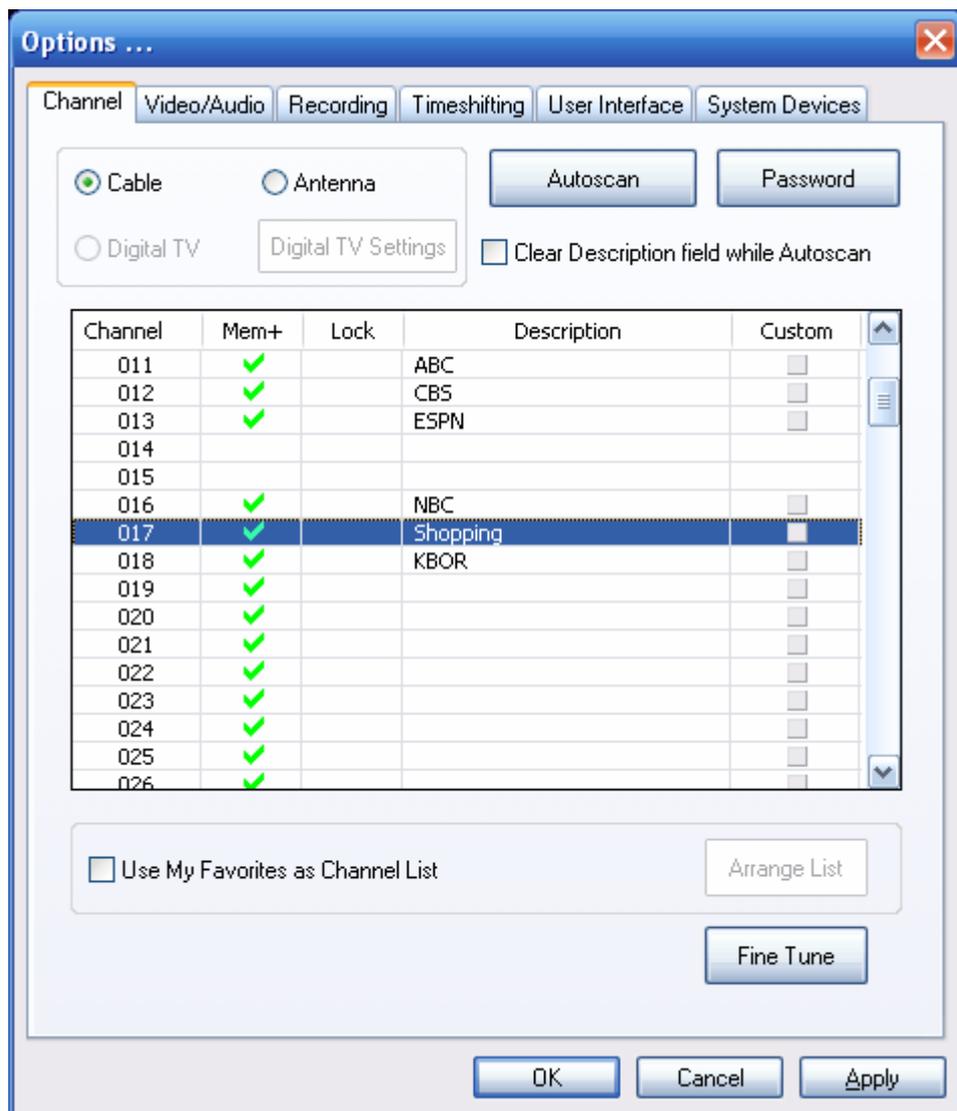
After installation, just press the PVR/TV button on the remote or double click the ComproPVR icon on the desktop you will be able to watch TV.

The first time you start ComproPVR, Autoscan will automatically scan for available TV channels. When **Autoscan** is finished, detected channels are automatically enabled and marked with the green check mark . Channels, where a valid signal could not be detected, are disabled and marked with a blank.

## Configuration

Click on the **Options**  button to open the Options dialog box.

## Channel Options



Follow these steps to customize and configure your channel list.

### Video Source

First, select your video source, **Cable** or **Antenna**.

### Autoscan

The first time you start ComproPVR, Autoscan will automatically scan for available TV channels for both Cable signal and Antenna signals. You can rescan the channels at any time by pressing the **Autoscan** button.

1. ComproPVR will automatically scan all available channels for content. The number of scanned channels varies according to whether you use antenna or cable TV input and your country settings.
2. You can interrupt the scanning process by pressing the **Stop** button.
3. When **Autoscan** is finished, detected channels are automatically enabled and marked with the green check mark . Channels, where a valid signal could not be detected, are disabled and marked with a blank.

After you are finished scanning for available channels, you may select **OK** to return to the display window, or customize the channel list according to your preferences, as described below.

### Channel Naming

You can customize the channel names by following these steps.

Step1. Double-click on the **Description field** of the channel you wish to rename.

Step2. Type a new name in the text box.

Step3. Repeat steps 1 through 2 for any other channels you wish to rename.

Step4. Click **OK** to confirm your modifications.

---

### Note

If you enable the checkbox of “Clear Description field while Autoscans,” then the text in the field will be erased while Autoscans. The default is disabled.

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### Set Mem+

During the **Autoscan** process, ComproPVR automatically detects and enables channels with valid signal. By default, every available channel will be enabled and marked with the green  icon. However, you can shorten the list of enabled channels to reduce channel-browsing time. Customize your list by enabling or disabling channels from the channel list by clicking on the green  icon.

Disabled channels will not shown when you use the channel Up and Down or channel surfing functions.

### Set Lock (Parental Control)

By default, ComproPVR lets you access all available channels. A Parental Control feature allows you to restrict the viewing of certain channels altogether or during limited times.

You can lock a channel by clicking in the column labeled **Lock** next to the channel number you wish to restrict. You will then see a red check mark  in the box next to the channel. You can unlock it by clicking the check mark.

To use this feature, you should first set a password and follow these steps:

Step1. Start ComproPVR and click on the **Options** button and select the **Channels** tab.

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Step2. Click on the **Password** button and enter the new password in the fields labeled **Password** and **Confirm**.

Step3. If you previously set a password, you must also enter the old password in the appropriate field.

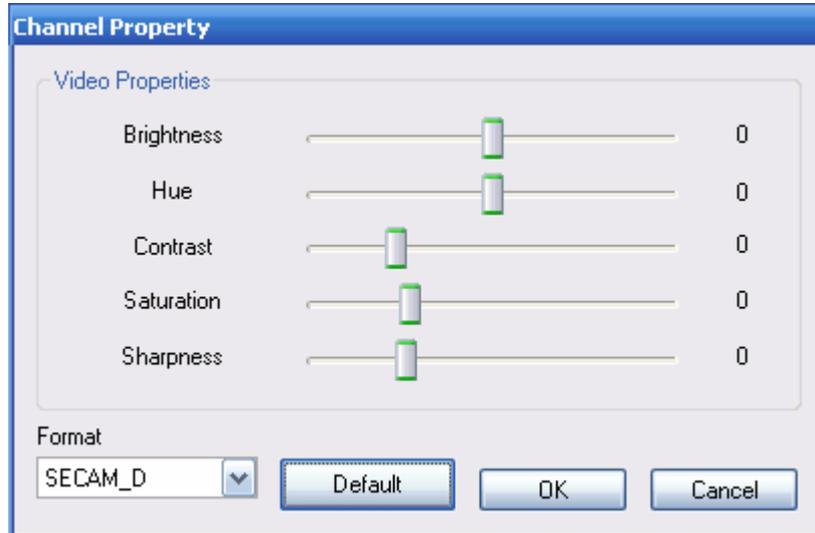
Step4. Click on the **OK** button.

### Change Password

Click on the **Password** button. Enter the old password in the field labeled **Old Password**. Then enter the new password in the field labeled **Password** and **Confirm**.

### Custom Channels

ComproPVR can let you set video properties (brightness, contrast, etc) for each channel. Just press the button on the custom column in Channel tab in Settings of ComproPVR. The dialog box will pop up as follow.



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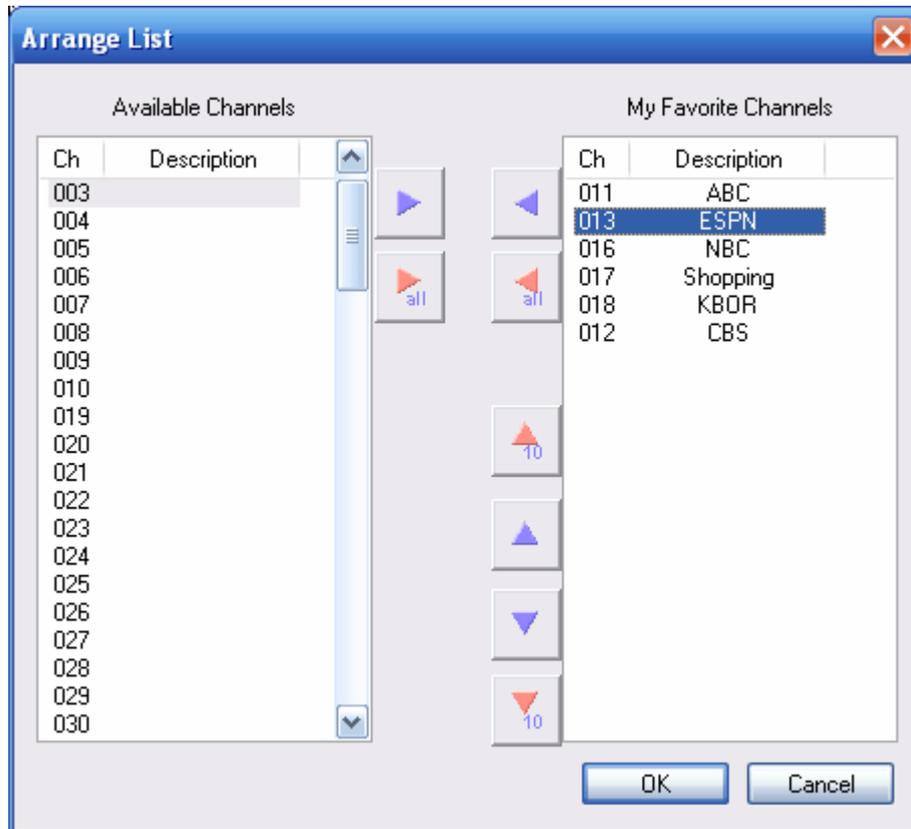
#### Note

These settings are increasing or decreasing the value of video properties in Video/Audio tab in the next section.

---

### My Favorite Channels List

ComproPVR includes a channels sorting and re-ordering feature. Check the “Use My Favorites as My Channel Lists” checkbox. You can see the window below.



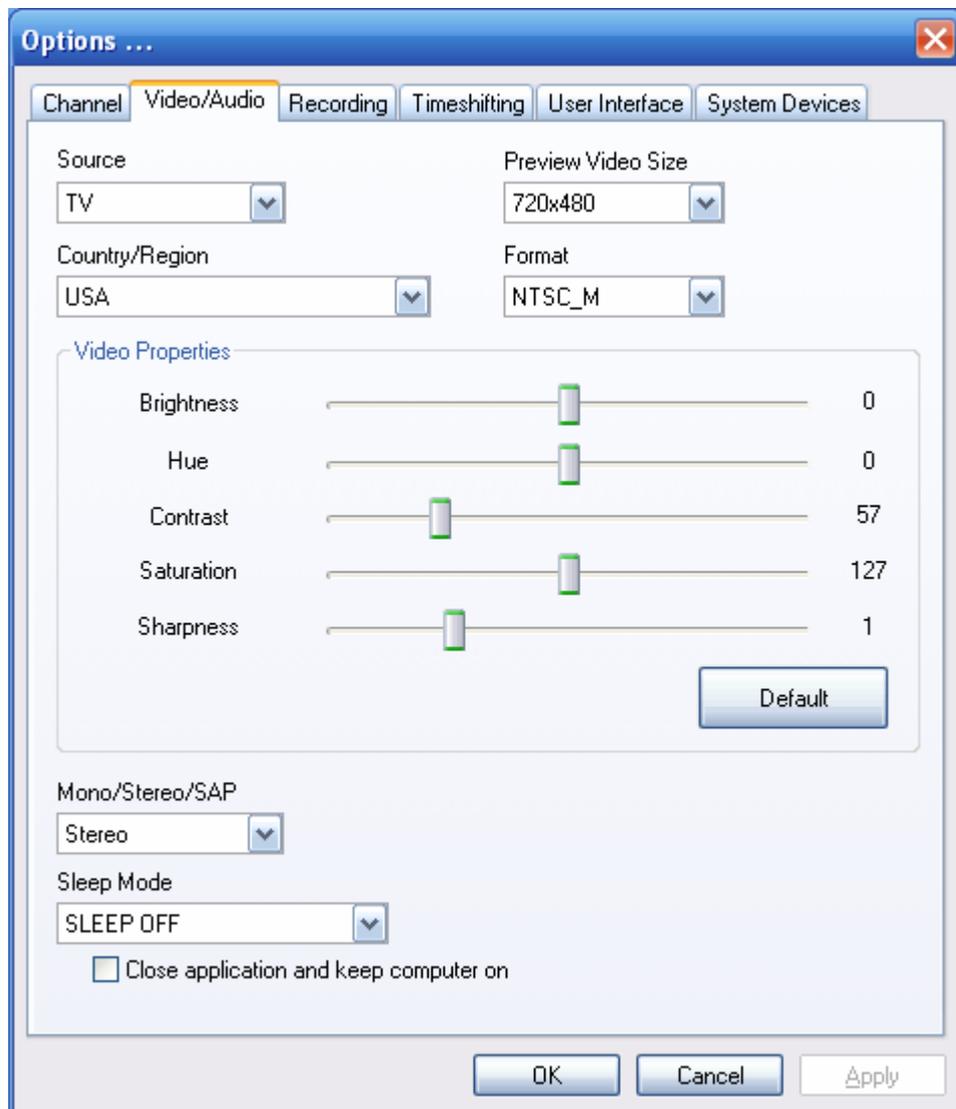
Select the channel you wish to add to my favorite and press the proper arrow button. You may double-click on the channel to move it as well. In addition, adjusting the channel order by using the proper arrow button.

### Fine Tuning

ComproPVR includes a fine-tuning feature. Select the channel you wish to fine tune and press the button labeled, "Fine Tune." You may then adjust the slider and then press the button labeled, "Exit."

Fine-tuning is normally unnecessary.

## Video/Audio Options



### Source

Select the video source from among TV, S-Video, or Composite. Also you can click the  button on the control panel to switch video sources.

### Preview Video Size

ComproPVR supports the resolution from 160\*120 to 720\*480 for NTSC and from 160\*120 to 720\*576 for PAL. You can choose the resolution here.

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#### Note

This influences the snapshot resolution.

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### Country/Region

Use the pull-down menu to select the country you are in. This allows ComproPVR to use the correct set of frequencies for TV tuning.

### Video Format

Select the proper video format for your area from the drop-down menu. The options available depend on the standards supported by the TV tuner in your system.

The NTSC standard is used in United States, Canada, Japan, Taiwan and parts of Central and South America. It specifies 525 lines of display at 30 frames per second.

The PAL standard is used in most of Europe, Australia, China and parts of Central and South America, and specifies 625 lines at 25 frames per second.

Additionally, each TV system uses slightly different frequencies. Therefore, it is important to choose the correct settings.

### Video Properties Sliders

Use the sliders in this area to adjust:

- Brightness: Adjusts the amount of white in the image.
- Hue: Adjusts whether the image looks red, green, blue, yellow, orange, etc.

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- Contrast: Adjusts the gradation of tone between the image highlights, mid-tones, and shadows.
- Saturation: Adjusts the color intensity of the image.
- Sharpness: Adjusts the sharpness of the image.

Press the **Default** button to reset the sliders to their original positions.

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### Note

Pressing the **Default** button for Video Properties sometimes fixes the situation where you have audio but a blank (black) or off-color video.

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### Audio Mode

You can select Mono, Stereo or SAP in this dialog box.

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### Note

Stereo and SAP sound may not be available in your area or for all programs in your area.

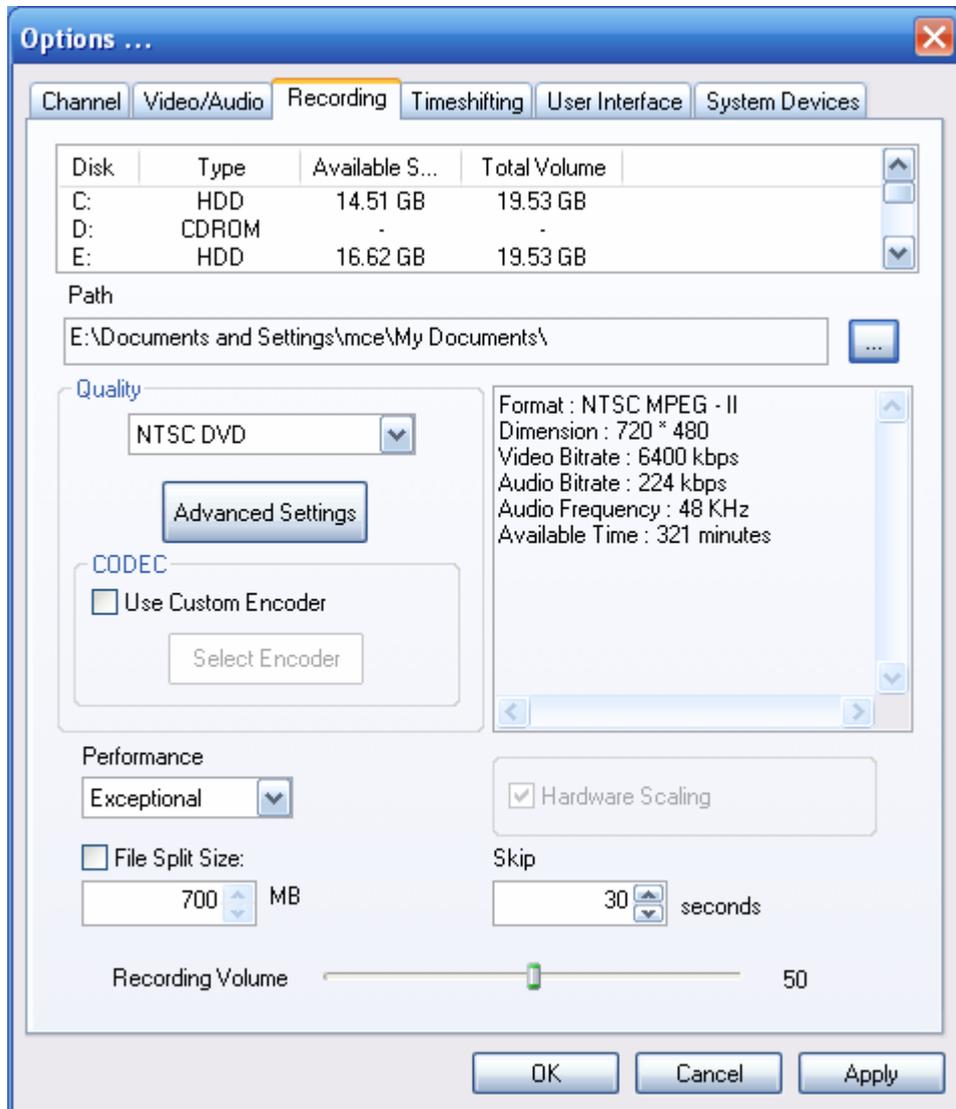
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### Sleep Mode

You can enable sleep mode and set the time delay before ComproPVR automatically shuts itself off.

If the check box "Close application and keep computer on" is checked, then it will close ComproPVR instead of shutting down the computer.

## Recording Options



### Path (Recorded Programs Folder)

Click on the  button to set the folder where recorded programs are stored. Check that you have ample disk space to store recorded programs.

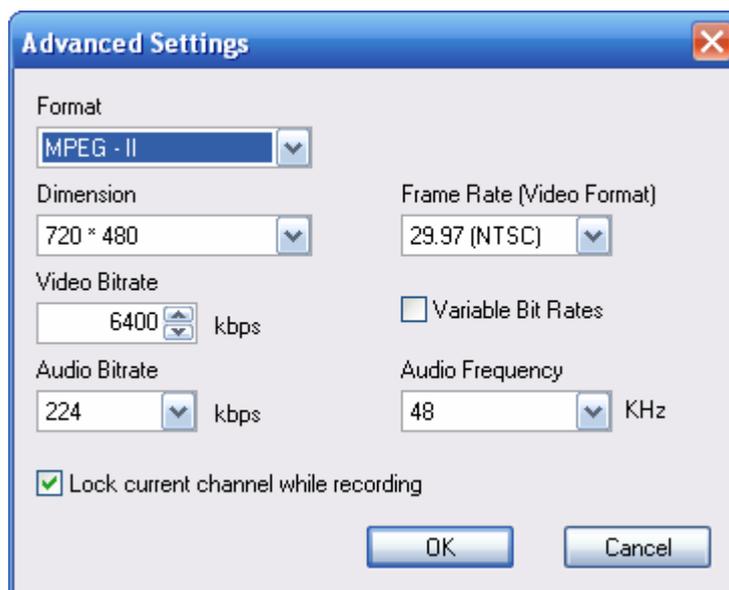
### Quality

Here you can select the video and audio quality settings of recorded programs. ComproPVR includes useful quality presets, from VCD to DVD-quality. However, Custom settings may not be compatible with standard formats. Use it with caution

You can also use **custom** settings by following these steps.

### Advanced Settings

Here you can select the details of video and audio quality settings of recorded programs.



**Format:** Choose between MPEG-1 or MPEG-2 video encoding formats. For example, select MPEG-1 if you want VCD format or select MPEG-2 if you want DVD format.

**Dimension:** Select the recording resolution you like.

**Video Bit Rate:** Video bit rate is expressed in kilobits per second. The higher the bit rate, the more processing power and disk space are required to record and playback video programs.

**Audio Bit Rate:** Choose the audio bit rate you like here. Audio bit rate is expressed in kilobits per second.

**Frame Rate:** NTSC system uses 29.97 FPS (Frame Per Second) while PAL system uses 25 FPS.

**Variable Bit Rates:** Checking this box will use variable bit rates to record. Usually, this will have better video quality. However, CPU loading is higher as well.

**Audio Frequencies:** Standard DVD audio frequencies are 48 KHz while other formats use 44.1 KHz.

**Lock current channel while recording:** Checking this box will disable the channel switching. Un-checking this box can change channel while recording.

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### Note

Switching channel while recording doesn't mean you can record two channels simultaneously. Instead, it is to record another channel after the switch.

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## CODEC

CODECs encode to and decode from video files, usually with a compression scheme, examples include, MPEG-4 and DivX CODECs. In addition to the CODEC supplied by Compro, ComproPVR can use third-party CODECs that are already installed on your system. Select "Use Customer Encoder" in order to use third-party CODECs.

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### Note

If you would like to record video in MPEG-4 format, you must supply your own MPEG-4 CODEC. You can download MPEG-4 CODEC from the following web sites.

<http://www.divx.com/>

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<http://www.microsoft.com/windows/windowsmedia/format/codecdownload.aspx>

After installing the CODEC software, you will see the MPEG-4 format appear in the field of recording quality.

Compro does not guarantee compatibility or performance with third-party CODECs.

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### Performance

You can choose the encoder performance here. The better you choose, the picture quality will be better. However, more processing power is required to record. If CPU usage reaches 100%, the video will become jumpy. Reduce the performance or choosing lower quality like VCD will help.

### File Split Size

Checking this box will enable the automatic splitting of the recording file to the size you want. This is useful burning recording files to CD.

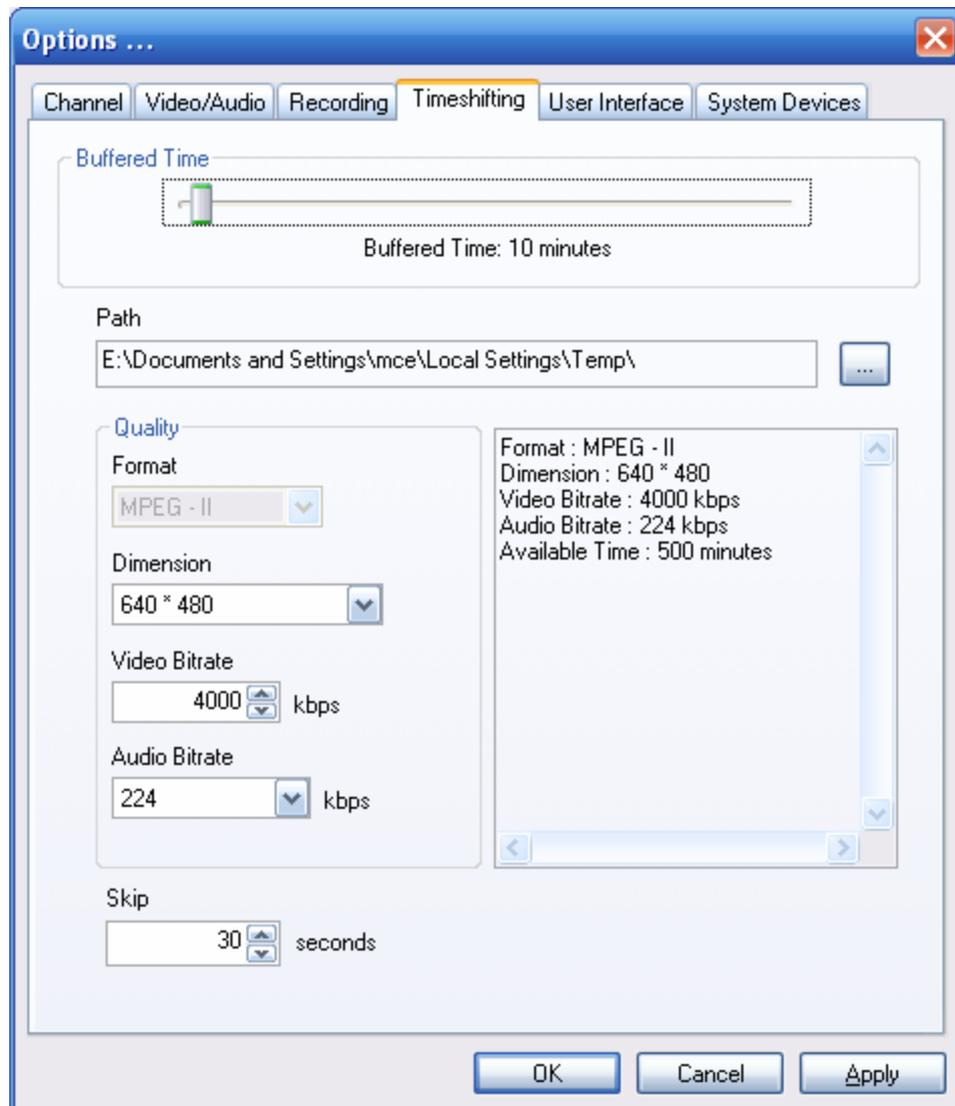
### Skip

Set the amount of programming skipped, in seconds, when you press the **Replay** and **Advance** buttons during video playback.

### Recording Volume

You can adjust recording audio volume here. Moving the bar to the right will increase recording audio volume.

## Timeshifting Options



### Buffered Time

Set the amount of programming that is stored, or “buffered” during Timeshifting. It also shows the total recording time available.

**Do not** set the Buffered Time to consume all free disk space.

### **Path (Buffer file storage location)**

Choose the folder where the Timeshifting buffer file is stored. Choose a folder in a disk partition with ample free disk space. See the video format table for estimates of the amount of disk space needed.

### **Quality**

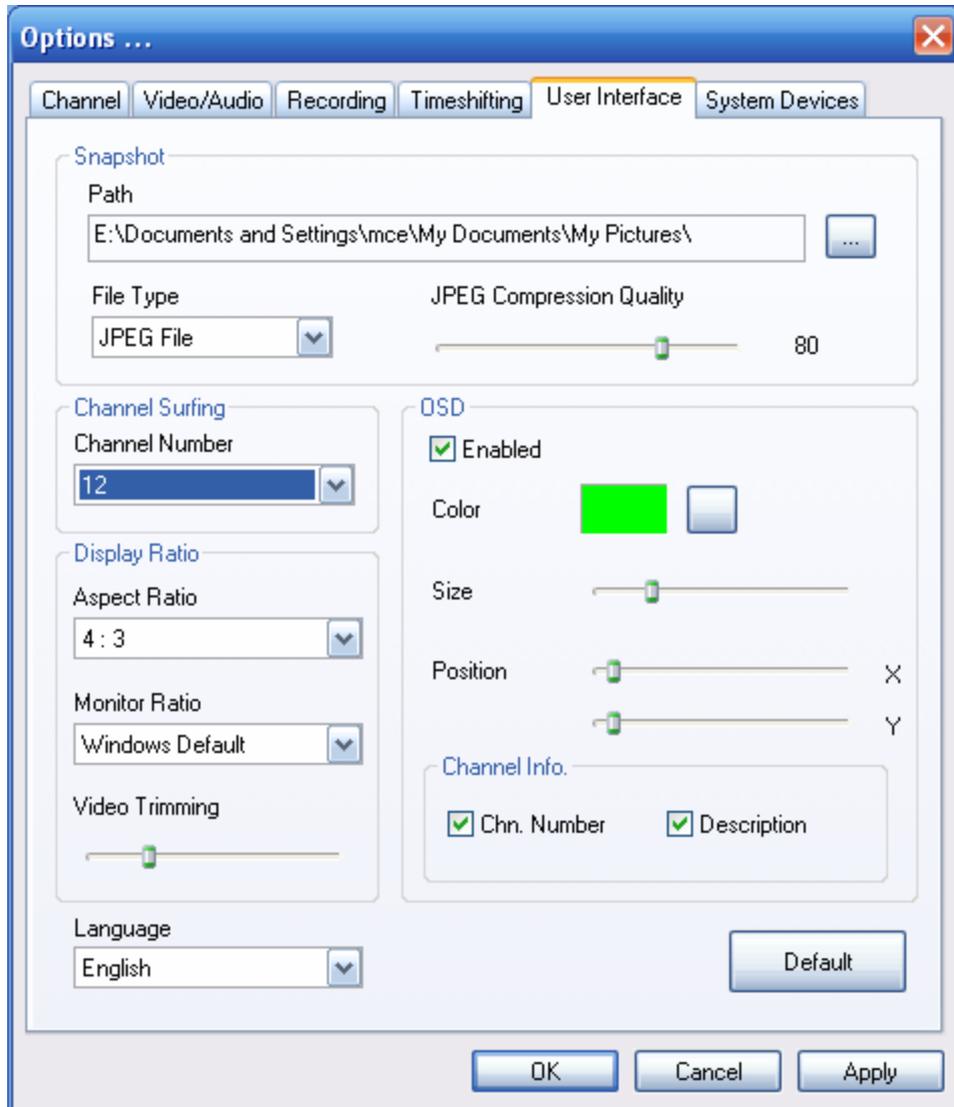
Choose the recording quality used during Timeshifting. Higher quality levels consume more disk space.

The appropriate quality setting depends on many factors, including the speed of your PC, the amount of free disk space, and the quality of source material. For example, when recording broadcast television for later viewing, a medium quality level is usually sufficient. If you plan to archive or edit the video, a higher video quality may be more appropriate.

### **Skip**

Set the amount of programming time skipped when you press the Advance and Replay buttons during Timeshifting.

## User Interface



### Path (Snapshot file storage location)

Choose the folder where the snapshot pictures are stored. Choose a folder in a disk partition with ample free disk space. See the video format table for estimates of the amount of disk space needed.

### **File Type (Snapshot file type)**

Choose the snapshot file type. There are BMP and JPEG format available.

If you choose JPEG format, you can also adjust the JPEG Compression Quality on the bar of right side.

### **Channel Surfing**

Choose the number of channel surfing. There are 12 and 16 options available.

### **Aspect Ratio**

Select the display screen aspect ratio, the ratio of screen width to screen height. The default ratio is 4:3. You may also choose the 16:9 wide-screen or custom ratios.

If you select a standard ratio, i.e., 4:3 or 16:9, the screen will retain this ratio when you resize it. If you select a **Custom**, ratio, you can modify the ratio by clicking and dragging the lower-right corner of the ComproPVR display window.

### **Monitor Ratio**

Select your monitor's ratio of screen width to screen height. The default ratio is 4:3. If your monitor's ratio is not 4:3, you still can have a full screen of 4:3 ratio by choosing the correct ratio of monitor here. This is very convenience for your viewing.

### **Video Trim**

When you see the static strip on the top or bottom of screen, you can crop those lines by adjusting the bar.

The static strip is called the "green line." You won't see this line on normal televisions because they do not show you the entire picture. Standard TV sets trim the edges of

the TV picture. ComproPVR, on the other hand, can show you the entire picture, including the "green line."

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

When you select the checkbox next to **enable OSD**, channel information such as channel numbers, channel names, and audio quality will be displayed as you switch channels. When this box is unchecked no information will be displayed.

Also you can customize your own text color, position, and size.

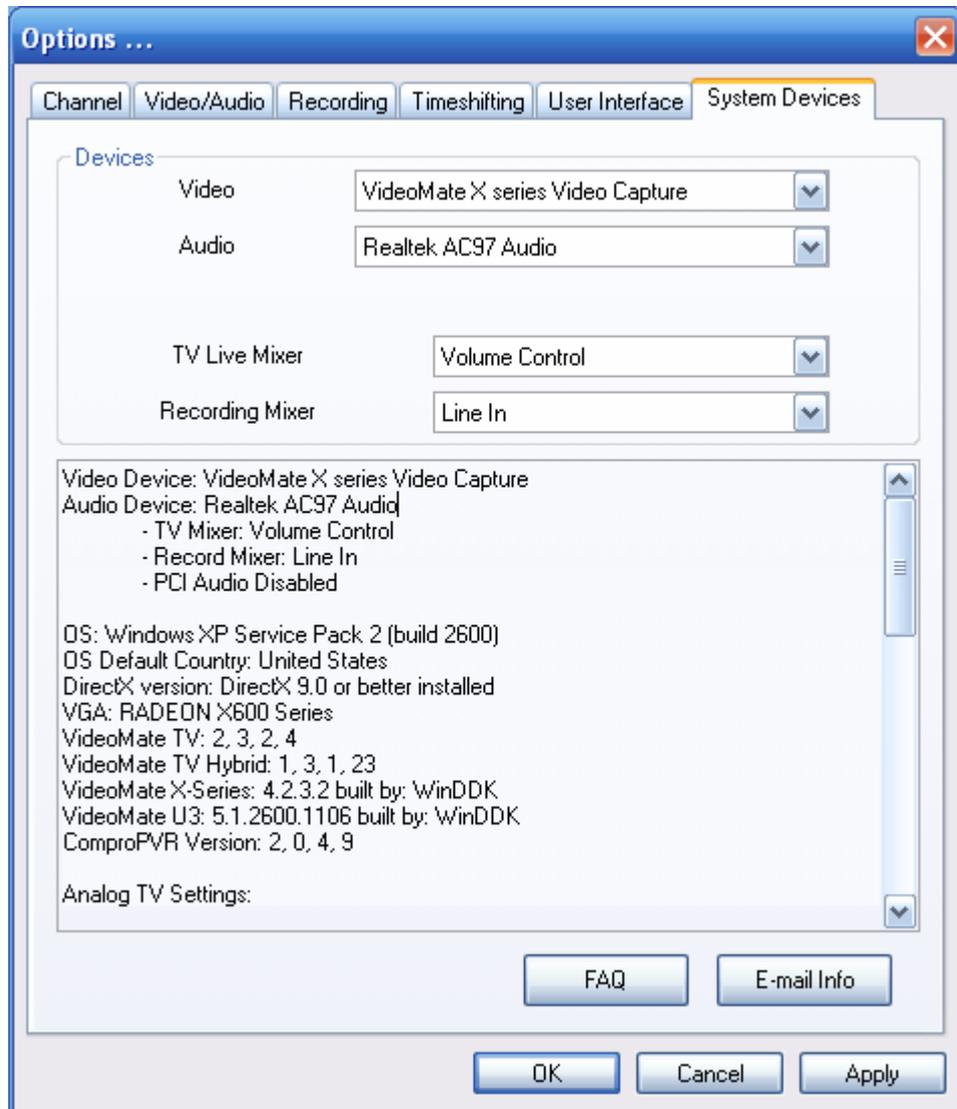
### **Default**

If you press the default button, all User Interface tab parameters will be set to the application program default value.

### **Language**

You are welcome to select the language you like for the user interface of ComproPVR here.

## System Devices Options



### Video Device

Please refer the product manual for more information about it. If you don't see the device name here, then you didn't install the device driver properly. Please refer the trouble shooting section in the product manual.

### Audio Device

ComproPVR automatically detects the audio input devices available in your system. Here, you must select the appropriate audio input devices for your system.

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#### Note:

You must select the proper Video and Audio devices for correct operation.

If you do not see the appropriate Video and Audio devices, the drivers are not properly installed. Please reinstall these drivers and see product manual for more information.

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### TV LIVE Mixer

You can choose the audio source for watching live TV programs. The default is set to main volume.

### Recording Mixer

Please refer the product manual for more information about it.

### Support

Before contacting Compro for technical support, please check our FAQs (Frequently Asked Questions) on our website. Click on the **FAQ** button will lead to <http://www.comprousa.com>.

You can download the latest update from our website. Many issues may be solved on the newer version.

If you click on the **E-mail Info** button, ComproPVR will attempt to e-mail this information to the Compro Technical Support team. ([support@comprousa.com](mailto:support@comprousa.com)).

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When you contact the Compro Support team about a problem, please write enough details to help us determine the problem. Please also provide the product serial number (19 digits numbers) on the PCI TV tuner card. You can submit your problem in the support form provide by our website.

<http://comprousa.com/support/form.htm>

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### **Notes**

Check the troubleshooting chapter of in this manual for more information before you submit an email for support.

When contacting us, providing the product serial number is important to helping us evaluate the problem. It tells us exactly which product you have.

In order to solve the problem quickly, submitting the details about your problem is crucial to understanding the problem.

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## 4 Using ComproPVR

### Watching

After installation, just press the ComproPVR button on the remote or mouse click ComproPVR icon on the desk you will be able to watch TV. Same as operate a normal TV set. Watch TV programs on your PC, in full-screen mode or in a window. Channel up and down. Close ComproPVR and even shutdown the computer with full function remote control keypad.

### Channel Browsing

When watching TV, you can browse channels with the

**Channel Down**  and **Channel Up**  buttons to scroll up and down through the available, enabled channels.

The keyboard shortcuts **Page Up** and **Page Dn**, and the Compro remote control can also be used.

Jump directly to the desired channel by using the number pad on your keyboard or remote control.

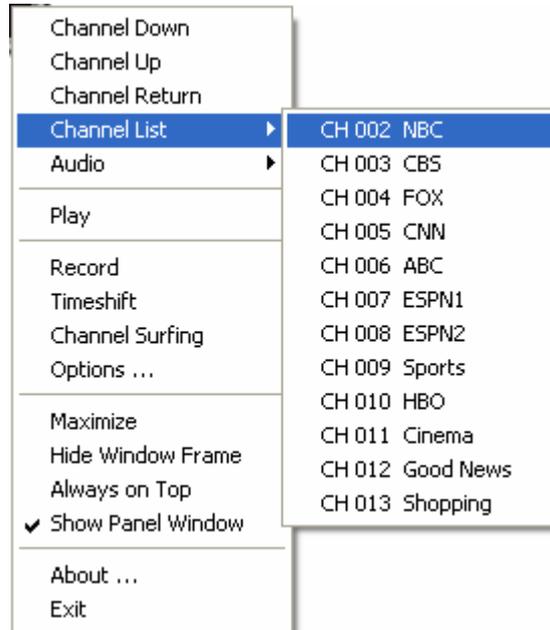
The **Last Channel**  (recall) button jumps back to the previously selected TV channel.

If the On-Screen Display function is enabled on the Display Options page, channel information will appear briefly in the corner of the display window as you switch channels.



### Right-Click Mouse Menu

If using mouse to right-click on the TV screen, you can see the menu below. There are many useful options for your convenience.



### Zooming image

If you like to see more detail on the part of video image, you can press the mouse right button to drag a zone of the screen. You will see the zooming image.

Also you can press the mouse right button and move on the screen to shift the zone area of the image.

Just click the mouse left button to resume the normal mode.

### Custom channels

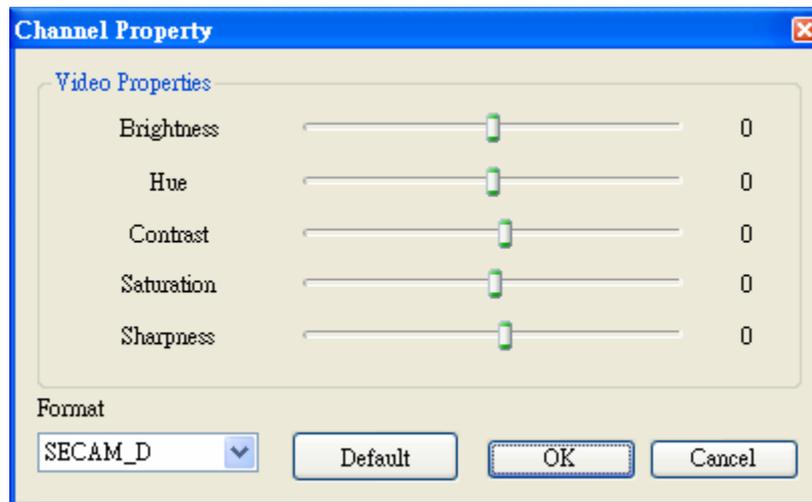
ComproPVR can also set video properties (brightness, contrast, etc) for each channel. Just press the button on the custom column in Channel tab in Settings of

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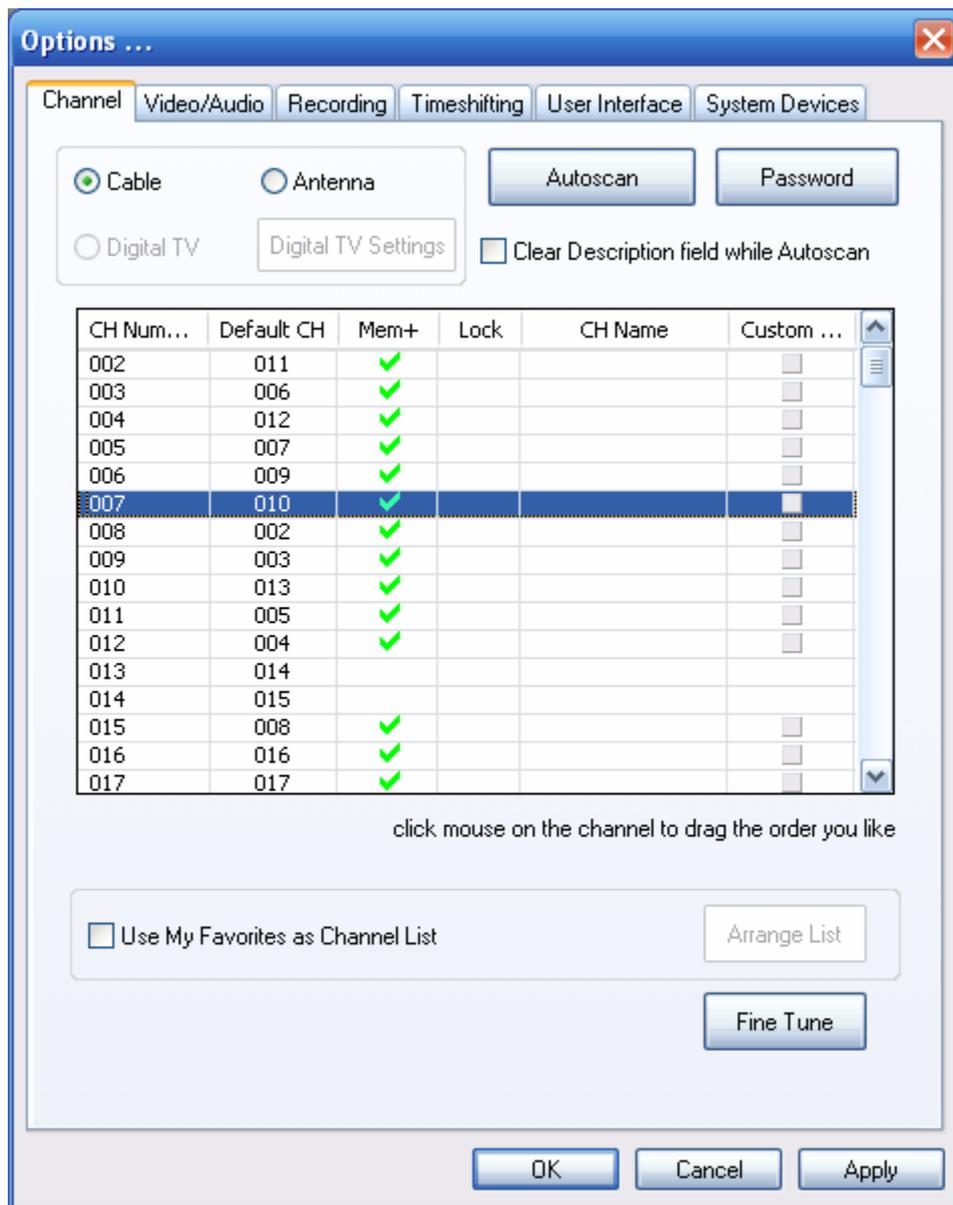
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ComproPVR. The dialog box will pop up as follow.

Channel	Mem+	Lock	Description	Custom
011	✓		ABC	<input type="checkbox"/>
012	✓		CBS	<input type="checkbox"/>
013	✓		ESPN	<input type="checkbox"/>



ComproPVR can let you re-order channel number if necessary. After Autoscan channels, channel number is as same as default channel number. What if your local TV station uses different channel number, you can click mouse on the column of the channel to drag up or down to the channel order you like.



## Note

The Difference between “Custom Channels” and “My Favorite Channels List” are:

Using “My Favorite Channels List” will only shows the channels you have selected and rotate with up and down in the order you have set.

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“Using “Custom Channels” you will be able to assign a new channel number to a frequency and therefore will be able to press the number to select the channel. Combine both function as you need it can be very convenient.

This manual only provides basic information for the ComproPVR 2. For more information on using applications, please see the User's Guides in the programs, on the CDs, or at our website for the latest manuals.

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# Recording

ComproPVR is a digital video recorder. ComproPVR can record full-motion video and audio from your video source and save it to your hard disk. ComproPVR supports MPEG-1, MPEG-2, MPEG-4 encoding, which saves disk space while providing high video quality.

To instantly start recording:

1. Press the **Record** button . ComproPVR starts recording the video source currently showing in the display window. It will save it to a file on your disk. While recording, you can press the button to setup recording time for 30, 60, 90, and 120 minutes for more convenience if you need to leave to other place.
2. Press the **Stop** button  to stop recording.
3. When you stop recording, ComproPVR prompts you to name the file containing the recorded video. Enter the name and press **OK**.

To playback the recorded file, press the **Play** button and select the file you wish to view.

## Disk usage

The actual disk space used primarily depends on the quality settings for recording. A higher quality setting, e.g., DVD-quality, requires significantly more disk space than a lower quality setting, such as VCD-quality. The appropriate quality depends on the quality of the source material, e.g., DV camera versus broadcast TV, and your intended use of the recorded programming.

### Video File Formats Table

<b>Format</b>	<b>Screen Size</b>	<b>Video Bit Rate (Mbps)</b>	<b>Audio Bit Rate (Kbps)</b>	<b>Typical Disk Usage</b>
NTSC DVD	720*480	6.4	224	3 GB/hr
NTSC 1/2-DVD	352*480	3.6	224	1.7 GB/hr
NTSC 1/4-DVD	352*240	1.8	224	1 GB/hr
NTSC VCD	352*240	1.1	224	600 MB/hr
NTSC SVCD	480*480	2.2	224	1 GB/hr
NTSC PC MPEG-2	720*480	6.4	224	3 GB/hr
NTSC 1/4-PC MPEG-2	720*480	1.8	224	1 GB/hr
PAL DVD	720*579	6.4	224	3 GB/hr
PAL 1/4-DVD	352*288	1.8	224	1 GB/hr
PAL VCD	352*288	1.1	224	600 MB/hr
PAL SVCD	480*576	2.2	224	1 GB/hr
PAL PC MPEG-2	720*288	4.0	224	2 GB/hr
PAL 1/4-PC MPEG-2	352*288	1.8	224	1 GB/hr

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#### Note

You can adjust recording quality settings, and thus disk usage, in the **Recording Options** menu.

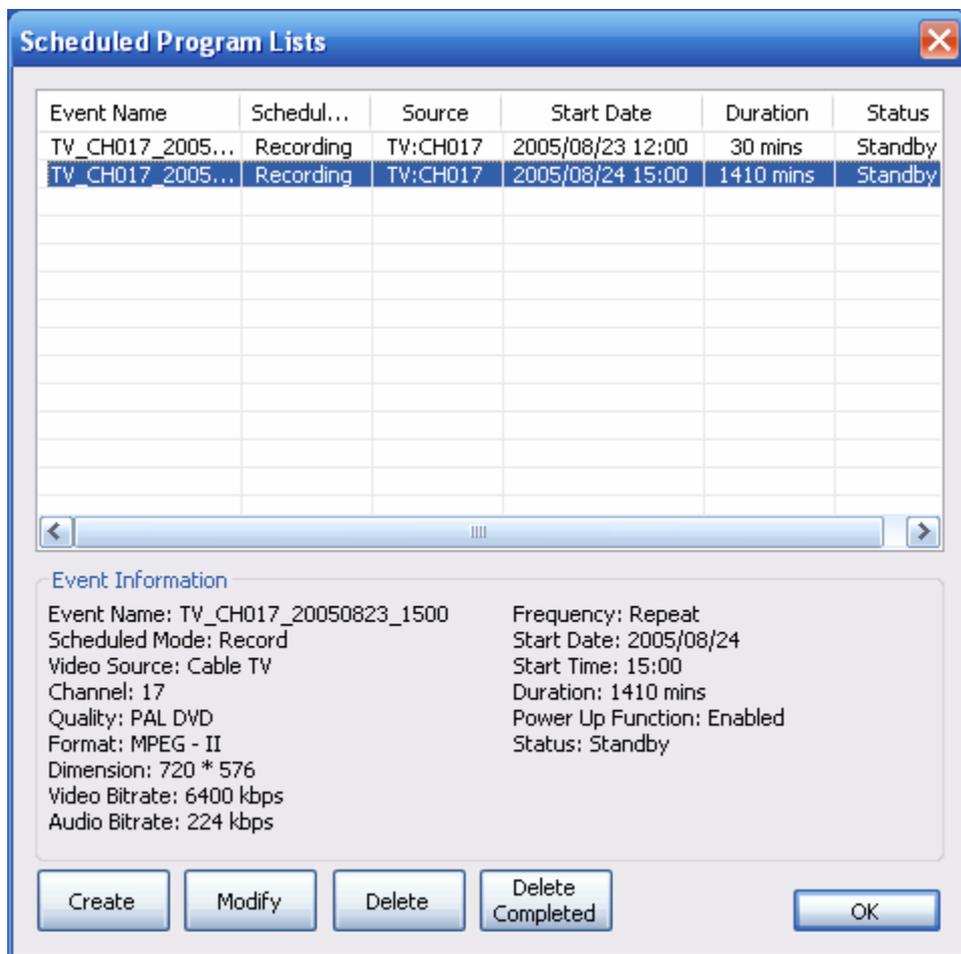
Not all formats are available for all products.

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## Scheduled Recording

ComproPVR can be scheduled to record a TV program later or remind you of an upcoming program. The schedule can be set for a one-time or a recurring session. You can repeatedly record any regularly scheduled programming. Relax. Never miss your favorite shows.

Press the icon  to open the **Schedule Recording** dialog box.



### Scheduled Program Lists

**Create:** Create a new scheduled recording event.

**Modify:** Modify an existing recording event.

**Delete:** Delete an existing recording event.

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**Event Information:** Shows details about your recording schedule.

### Scheduled Recording Settings

You can see the following after clicking **Create**.

The screenshot shows the 'Scheduled Recording Settings' dialog box. It is divided into several sections:

- Event Name:** A text box containing 'TV\_CH017\_20050823\_1500' and a 'Format' button.
- Folder:** A text box containing 'E:\Documents and Settings\mce\My Documents\' and a browse button ('..').
- Quality Settings:** A dropdown menu set to 'PAL DVD', a checkbox for 'Use Custom Encoder' (unchecked), and 'Available Time : 321 minutes'.
- Date/Time Settings:** Radio buttons for 'Once' and 'Repeat' (selected). 'Start Date' is '8/23/2005'. 'Start Time' is '15:00'. '24-hour format' is checked. 'Duration' is '23:30'. 'End Time' is '2005/08/24 14:30'. There are buttons for 'Weekday', 'Daily', and 'Clear'.
- Recording Settings:** Radio buttons for 'Record' (selected), 'Reminder', and 'Turn On Computer'. 'Video Source' is 'Cable TV', 'Channel' is 'CH 017 Shopping \*', and 'Audio Mode' is 'Stereo'. A checkbox for 'Mute speakers while recording' is unchecked.
- System Settings:** Checkboxes for 'Enable automatic power up function' (checked) and 'Enable automatic logon' (unchecked). Radio buttons for 'After recording': 'Shut down the system', 'System stand by', and 'Keep system power on' (selected).

Buttons for 'OK' and 'Cancel' are at the bottom right.

**Event Name:** Type the event name. The saved recording file will also use this name.

If you leave this field blank, ComproPVR will automatically create the **Event Name** and file name. The **Format** button lets you select the file name format.



**Channel Number:** Check this box to add channel numbers to the names of the recording files.

**Start Date:** Check this box to add the start date to the names of the recording files.

**Start Time:** Check this box to add the start time to the names of the recording files.

### Power Up Scheduling feature

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#### Note

Your VideoMate U880/U900 USB 2.0 box only supports S3 (Standby) or S4 (Hibernation) mode Power Up Scheduled Recording

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**Enable automatic power function:** Check this box if you wish to use Power Up Scheduling function, i.e., wake up the computer from Shutdown or Stand by states for scheduled recording.

This option is available only if your hardware supports Power Up Scheduling.

Power Up will start your computer 5 minutes in advance of the scheduled time. If you set schedule to 4 o'clock,

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Power up will wake up your computer at 3:55. Therefore, you need to shut down the computer before 3:54 in order to let Power Up start the computer.

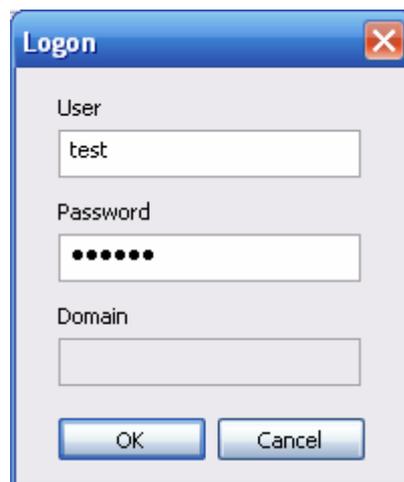
There are three possible actions after recording is complete:

- **Shut down the system:** After recording, shut down the system.
- **System stand by:** After recording, put computer in stand by mode.
- **Keep system power on:** After recording, does not shutdown system.

**Enable automatic logon:** When using Power Up Scheduling, ComproPVR will start Windows. If Windows requires you to enter a username and password during start up, you should check this box and enter the required information.

This option will be grayed out if your hardware doesn't support Power Up Scheduling.

If "Enable automatic logon" is checked, you will see a popup window.



There are three fields in the Automatic Logon window.

- **User:** ComproPVR will detect your current user name automatically. Unless you wish to logon by a different user, there is no need to change it.

- **Password:** Type in your password.
- **Domain:** ComproPVR will automatically detect your Windows Domain name, if any. In most home PCs, this field will be blank and need not be changed. (See Note below). **Do not modify** this field unless you need to logon to a different Windows Domain during the Power Up process.

Press the OK button to proceed.

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### Notes

Enabling the automatic logon function is only necessary when you need to type user name and password to logon to Windows.

The Windows Domain name is not the Internet domain name that you may be familiar with, e.g., Yahoo.com. Windows Domains usually only exist in business networks. For most users, this field should be left blank.

Your password will be stored on your computer. There is a chance that your password could be discovered by another user

The ComproPVR does not use the logon information for any other purpose.

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## Recording Settings

**Schedule mode:** There are two ways to set the schedule.

- **Recording:** At the set time, ComproPVR starts recording the program.
- **Reminder:** At the set time, ComproPVR starts showing the program without recording it.

**Video Source:** Select video source from CATV or Antenna.

**Channel:** Select the channel you want to record.

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**Audio mode:** Select the audio source you want to record.

**Mute speakers while recording:** Check this box to mute speakers while recording. This feature is useful if the program is to be recorded while you are asleep.

### Quality Settings

**Quality settings:** Select the video quality at which you wish to record. Refer to the Video File Formats Table (page 30) to better understand the relationship between video quality and disk usage.

### Date/Time Settings

**Once:** Select this to record this program once.

**Repeat:** Select this to record this program repeatedly. You can select any kind of combination in a week to record the programs repeatedly. You can press **Weekday** or **Daily** button to select multiple days. Press **Clear** to uncheck the boxes.

**Date/Start Date:** Select the date you want to record the program or the start date for repeat scheduling.

**Start time:** Select the starting time for recording.

**Duration:** Amount of programming to be recorded.

**OK:** Click it to add this schedule.

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### Notes

The ComproPVR scheduler program must be running (orange circle visible in the system tray).

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## Play

Pressing the Play button  can open up a menu with a list of files which you have recorded with ComproPVR.

You may play, rename and delete with this list. You may also change the folder to select other files.

### PIP or POP for Playback

ComproPVR features PIP or POP for playback window. You will see a window popping up after choosing a file for playback as following.



Main window has all features while slave window has limited functions only. Double-click on the slave window can switch the TV program to the main window.

The buttons on the upper-left corner of slave window



are Mute, Windows Alignment, and Close respectively.

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## Note

PIP or POP can't let you watch two different channels at the same time due to one tuner can only tune to one frequency.

Running additional windows consumes more CPU usage. If CPU usage reaches 100%, then video lag will occur. Please close the slave windows for this case.

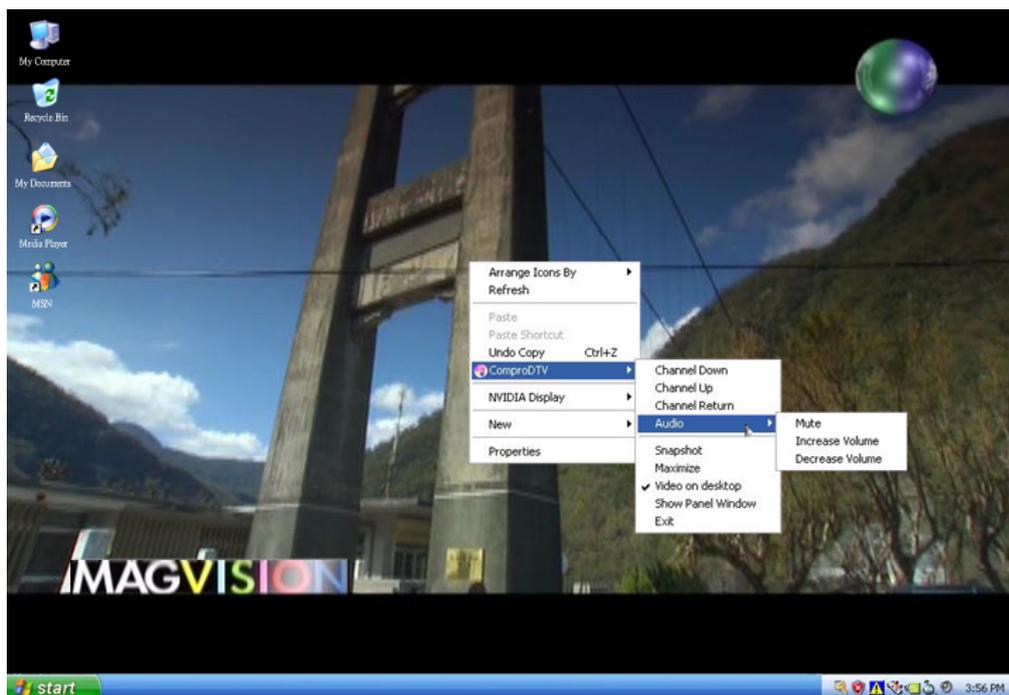
Slave window has no full screen mode. Please double-click on slave window to switch program with main window in order to do so.

It is available to hear audio on multiple programs at the same time. You can mute or un-mute the sound of slave window at any time. However, main window audio can't be muted separately from slave window.

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## Video on Desktop

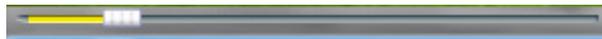
While watching TV, you may right-click on the TV screen and select video on desktop or press the hotkey (F7) to activate Video on Desktop mode. This mode makes the video source as your desktop screen. It is similar with full screen but the desktop icons and taskbar will remain on top. The following picture shows the TV on the desktop.



### Timeshifting

Timeshifting lets you pause, replay, or skip commercials during live TV, without interrupting an ongoing recording session. Timeshifting gives you absolute control over how you watch television, like never before. For example, you watch your favorite sporting event, pause the live action and help yourself to an ice-cold beverage from the fridge.

Press the **Timeshifting**  button and the Time Monitoring bar will appear. (See below.)



The Time Monitoring bar informs you of how much of the timeshifting buffer is in use. You can also use your mouse to drag the Time Control Shuttle to jump to a specific time in the program.

You may also press the **Advance** (for commercial skip) and **Replay** (for instant replay) buttons on the control panel or remote control to navigate through the program.

Timeshifting temporary saves the video to your hard disk for a specified period of time.

When you return to your seat, you can resume viewing the program from the point when you left.

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#### Note

Timeshifting can use significant disk space and cannot automatically skip commercials.

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### **Additional Discussion**

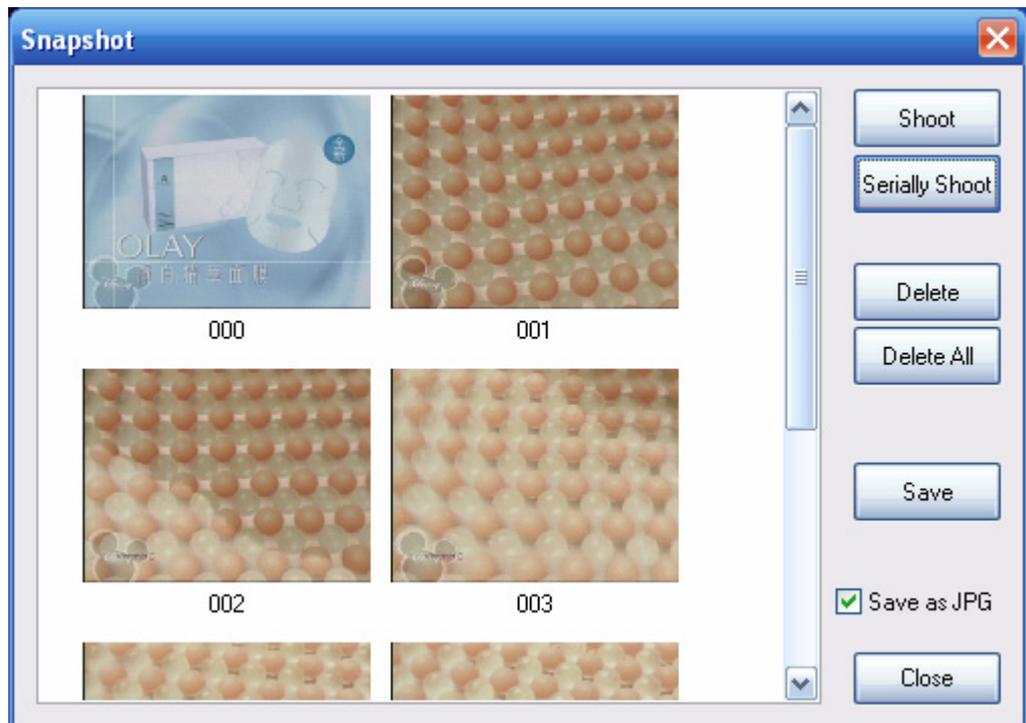
In timeshifting, you are recording to and playing back from the same video file or buffer. You can playback from various locations in that buffer.

Similar to video playback, you can pause, fast-forward, and rewind. A major difference, however, is that ComproPVR is simultaneously recording live television. This means you will see greater CPU utilization during timeshifting because you are simultaneously recording and playing recorded videos. At full DVD quality, timeshifting can require up to a 1.7 GHz CPU.

Timeshifting and Playback modes also differ in that Timeshifting lets you pause and replay live TV while Playback only allows you to replay a previously recorded program.

### Still Image Capture

Click on the capture icon  on the control panel or hit the "Space Bar" of the keyboard shortcut to capture an image of the display window. You can see the screen capture dialog as below.



Click on the **Shoot** to take another shot. **Serial Shoot** will shoot 6 straight shots at once. This is useful for action scenes.

There are BMP and JPEG format available for snapshot file type. Check "Save as JPG" box will save the shapshot as JPEG file type.

More settings are available on the User Interface tab in the Options of ComproPVR.

Make sure **Save** your shots before close this dialog or the files will not be saved.

The screen capture image size is fixed at 640 x 480.

### Playback

ComproPVR can play recorded video files.

Press the **Play** button to open the **Play** dialog box. Highlight the file name in the program list, double-click or press **Play** to start playback.

During playback, the display area of the control panel provides information about currently playing program and provides playback control functions.

To delete a recorded program, open the Play dialog box, highlight the file name on the program list, and press the **Delete** button.

### Closed Captioning (USA only)

The closed captioning feature is used to display overlaid text captions. This feature is only available with programming that provides Closed Captioning.

Press the **Closed Caption**  button to enable or disable closed captioning. If supported, the overlaid text captions will be displayed.

### Teletext (PAL TV systems only)

ComproPVR includes Teletext display capabilities. Press the  button to activate Teletext functions. Availability of specific Teletext features depends on your local TV broadcasters.

# 5 Troubleshooting

## OS requirement

ComproPVR 2 has to work on Windows XP / Windows 2000 or above OS. It's recommended to [www.WindowsUpdate.com](http://www.WindowsUpdate.com) website for the Service Pack update of Microsoft.

## Driver Installation

The most common cause of problems with ComproPVR is incorrect **installation** of TV Tuner product drivers. If you have problems watching, recording, or timeshifting live TV, please refer the product installation FAQ to check the status of TV Tuner product drivers with Device Manager.

## Video OK / No Audio

If you can **view** the TV picture but get no audio, you should check the following:

Check the **Windows** Volume Control dialog for muted sound or volume levels that are too low. (Double-click on the speaker icon in the system tray to see the Volume Control dialog.)

If you are using an **external** audio patch cable, verify that it is connected between the Audio-Out of TV tuner card and Line-In of your sound card and that you selected the audio source to be "Line-In." If using the **internal** audio patch cable, check that it is connected between the internal Audio-Out of the TV tuner card and AUX-IN of your sound card and that you selected the audio source to "AUX."

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Please refer to your hardware installation guides for more information.

### **No audio on the recorded file**

This may be a result of choosing the wrong record audio source in the System Device in ComproPVR Settings.

Check the **ComproPVR** in the Record tab of Settings dialog for recording volume levels that is not too low.

Please refer to your hardware installation guides for more information.

### **Recorded file cannot be played**

The main reason for this problem usually is the result of installing other CODEC software like Nimo. This kind of software forces applications to use their CODEC for playback. Therefore, the recorded file cannot be played since a different CODEC is being used for playback. Please uninstall the CODEC software and reinstalling DirectX usually solves the problem. For more information, please check our FAQ on the [www.comprousa.com](http://www.comprousa.com)

### **Recorded file lags while playing back**

Video recording uses significant CPU resources. If CPU usage hits 100% while recording, the quality of your recordings may suffer. If this happens, close other applications while recording or use a lower recording resolution, such as VCD or SVCD formats.

### **Why can't I choose MPEG-4 format for recording?**

If you would like to record video in MPEG-4 format, you must supply your own MPEG-4 CODEC. Furthermore, the CODEC must be installed before using ComproPVR.

In general, you can download MPEG-4 CODEC from the following web sites.

<http://www.divx.com/>

After you install the CODEC software, you will see the MPEG-4 format appear in the field of recording quality.

### Why does the remote control fail?

Not all products support remote function. Please check the description on the product box.

The remote control sensor, which is plugged into the TV card, may be loose. Please unplug it and plug it again. You should also check the batteries of the remote control. Do not use rechargeable batteries.

Verify that the  IR icon (ComproRemote) is in the system tray on the lower-right corner of the screen. If you don't have ComproRemote on the system tray, start the following program:

**C:\Program Files\Common Files\VideoMate\ComproRemote.exe**

Then you should see the icon on the system tray. The IR icon should turn bright when you press buttons on the remote. If you see no response, your IR drivers may not be properly installed. Please remove ComproPVR using "Add/Remove programs" in the Control Panel and reinstall it.

If you have switched the blue jumper to another pins set, you have to switch the red jumper to 2-3 (right) in order to use remote function.

### Why does ComproPVR start by itself?

Some device emits the IR signal around. Please check if there is any microwave or light could do that. And make sure as few cable as possible crossing the IR receiver. Also do not use rechargeable batteries for remote

keypad. And make sure there is no button getting stocked.

### **Contacting Compro Technical Support**

Before you submit an email for support, please check support FAQs on our web site.

<http://www.comprousa.com>

You can download the latest update from our website. Many issues should be solved on the newer version.

When contacting Compro for technical support, please use the Compro support request form and provide as much of the requested information as possible. Please write the details in order to determine the problem. And also provide the product serial number (19 digits numbers) on the PCI card. Please use the form from <http://comprousa.com/support/form.htm>

or directly email to [support@comprousa.com](mailto:support@comprousa.com).

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#### **Note**

Make sure you include the information of hitting the button of "E-mail Info" in the System Device in Settings of ComproPVR in order to determine the problem.

In order to solve the problem quickly, it is very important to provide as much detail regarding the problem as possible.

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