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WinFast DTV is a powerful and easy-to-use application provided by some WinFast multimedia products to provide the most feature-rich video/audio entertainment. The WinFast DTV application allows you to view and record live TV or video in picture-in-picture (PIP), picture-on-picture (POP) and picture-and-picture (PAP) style, as well as control all available functions.

A complete WinFast DTV application package provides all functions in 4 different modes for your entertainment pleasure:

- TV mode
- Video Input mode
- Video Playback mode
- TimeShifting mode

The WinFast DTV application displays a virtual control panel under each mode as well as a resizable virtual screen for viewing TV or video.



You must first install a WinFast capturing device and follow instructions (as described in the user's manual) on making connections with other external devices, before you can enjoy the full capabilities of WinFast DTV application.

Supports HDTV & AC3 functions.

Supports digital FM radio reception (not DAB type).

Picture-in-picture (PIP), Picture-on-Picture (POP), and Picture-and-Picture (PAP) Twinviews for viewing two TV programs concurrently.

TimeShifting function allows users to view recorded video when the recording is still in progress. Never again will you miss a second of your favorite show for taking a break to get the popcorn.

Power-up scheduling of pre-set recording with auto power-on of PC.

DirectBurn allows you to record programs directly into VCD/DVD in real time.

Delicately designed software saves time in running the applications.

TV applications can record the video from any device connected with your capture card and sound card such as CD-ROM, VCR, camcorder, and a LD/VCD/DVD player.

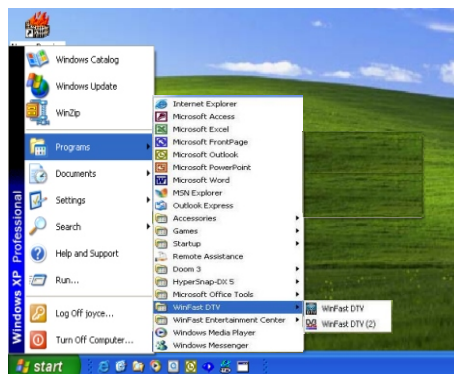
Supports MPEG1, MPEG2 codec, and MPEG4 compression format for analog video settings.


Note: The MPEG4 codec can be downloaded from www.divx.com for free. You can download the codec and use it in your capture format profile.

Launching the Application

As the WinFast DTV application is successfully installed, shortcuts are added to provide several ways to launch the application. They are:

1. WinFast DTV shortcut is added to the Program list in **Start** menu. You can choose to launch **WinFast DTV**.



2. The WinFast DTV shortcut icon  will also appear on the desktop.

To launch WinFast DTV immediately, double-click the icon.

Switching between Modes

When you first run the WinFast DTV application, the default is set to TV mode.

You can identify which mode you are currently in by reading the status window.

How to enter TV Mode

If you are currently in **Video Input mode**, click the **Video Input button** on the control panel to switch to TV mode.

How to enter Video Input Mode

If you are currently in **TV mode**, click the **Video Input button** on the control panel to switch to either CVBS or S-Video input.

How to enter Video Playback Mode

If you are currently in **TV mode** and there is no recording in progress, clicking the **Open Media File button** to play back a media file will switch the system to **Video Playback mode**.

How to enter TimeShifting Mode

If you are currently in **TV mode**, click the **TimeShifting button** on the control panel.

1 Reading the Status Window

Indications on the status screen give information concerning currently active mode. The following pages tell you how to read the status windows on the control panels.

What is a status window?

The Status window is the part of control panel that shows information on the current status (refer to figures below).

TV mode

Type 1



Click this button to use other functions

Type 2



Click this button to use other functions

Type 3



Status Window in Video Input Mode/Status Window in TV Mode

Video Input mode



TimeShifting mode

Type 1



Type 2



Type 3



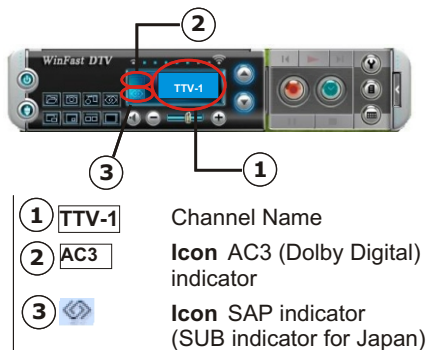
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TV mode

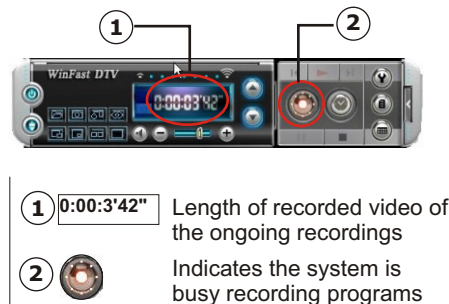
There are 4 types of actions in TV mode:

1. With no recording in progress
2. With recording in progress
3. With TimeShifting standby
4. With TimeShifting playback

With no recording in progress



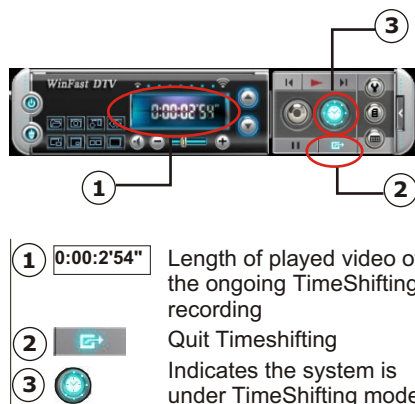
With recording in progress



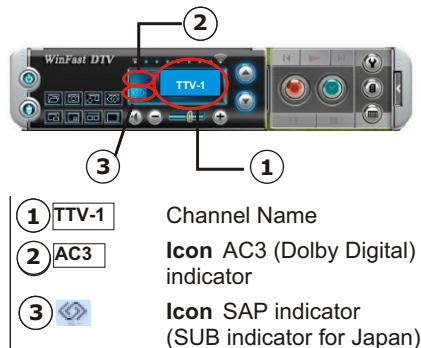
TimeShifting mode - Standby



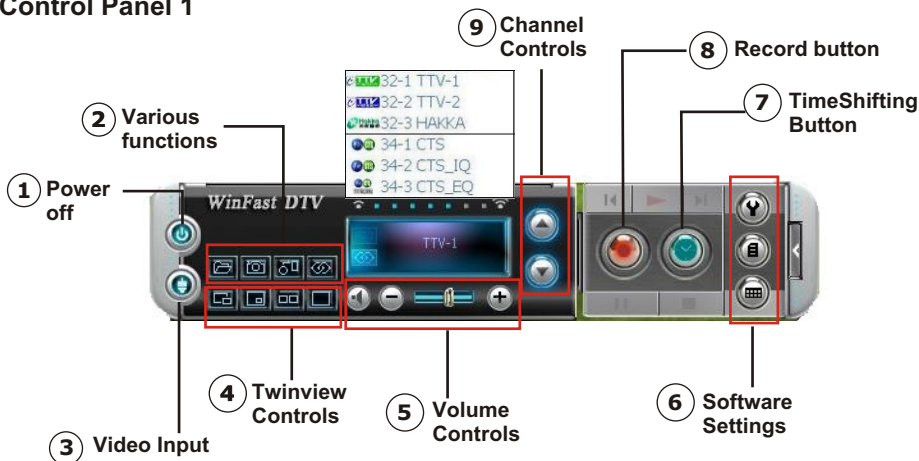
TimeShifting mode - Playback



Video playback mode



Control Panel 1

1 **Power off**

Click to close the application.

2 **Various functions:** **Open Media File**

Click to open an explorer window to browse for the media file you want to play. Double-click the file to play.

Snapshot

Click to take a snapshot and save it as a .bmp, .JPG, .PNG and .TIFF formats (it usually saves as a .jpg file in Windows XP).

Switch Skin

Click to switch to different control panels.

Switch audio

Click to switch between different languages if multi-languages are available.

3 **Video Input**

Click to switch between 3 different input sources: TV, Composite Video and S-Video. Whether CVBS or S-Video mode is shown is dependent on the device used.

4 **POP Twinview**

Select this option to display two different TV programs in picture-on-picture style. Users can select various sub-channels in the sub-screen.

PIP Twinview

Select this option to display two different TV programs in picture-in-picture style.

PAP Twinview

Select this option to display two TV different programs in picture-and-picture style. Use the scroll bar to adjust the volumes of adjacent screens.

Close Twinview

Click to close the Twinview windows.

5 **Volume Controls:**

Click to turn the volume up/ down. The scroll bar indicates the status of volume controls.

Mute button

Click to mute the audio. Click again to resume system sound.

(Continued next page)

6 Software Settings

Configuration

Click to open the setup dialog box.

Schedule

Click to preset the recording schedules.

EPG page button

Click to switch to the EPG mode.

7 TimeShifting button

Click to run TimeShifting.

8 Record button

The ring surrounding the Record button turns orange when recording is in progress.

9 Channel Controls

Click to switch the channel up/down.

Control Panel 2



1 Volume Up/Down

Turn the button right to increase the volume. To decrease the volume, turn the button towards the left.

2 Channel Up/Down

Turn the button right to increase the channel number. To decrease the channel number, turn the button towards the left.

Screen with multi-language selections

If multi-language is available for a particular program, the multi-language indicator will be shown both on the screen and on the control panel.

Double-click the screen in order to maximize the entire application. The enlarged control panel will disappear after a while so users can watch TV while working in other applications simultaneously.

The screen is shown as below:



The SAP indicator is on if multi-language is available

The SAP indicator is shown if multi-language is available

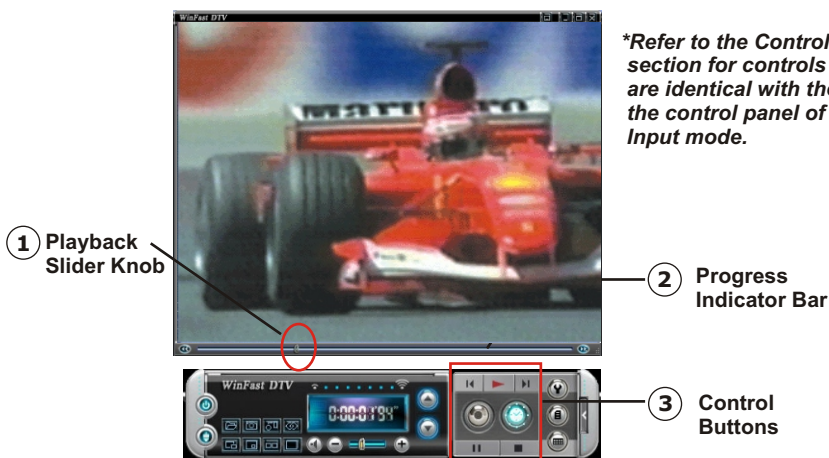
Introduction

TimeShifting is a type of recording that enables you to view, rewind or stop the playback of recorded video when its recording is still in progress. This function is used when there is interruption during viewing of a TV broadcast and you do not want to miss any of it. By clicking the Time Shifting button, you start recording the TV broadcast. When you return, you can choose to view the part you have missed or search for what you want to view in the TV

broadcast while the recording continues.

To run TimeShifting, click the TimeShifting button on the TV control panel, and then the control panel transforms and the TimeShifting recording begins.

Control Panel & Screen



**Refer to the Control Panel section for controls that are identical with those on the control panel of Video Input mode.*

- 1 **Playback Slider Knob**
The slider knob indicates the progress of current TimeShifting playback. Users can move it to control the playback freely.

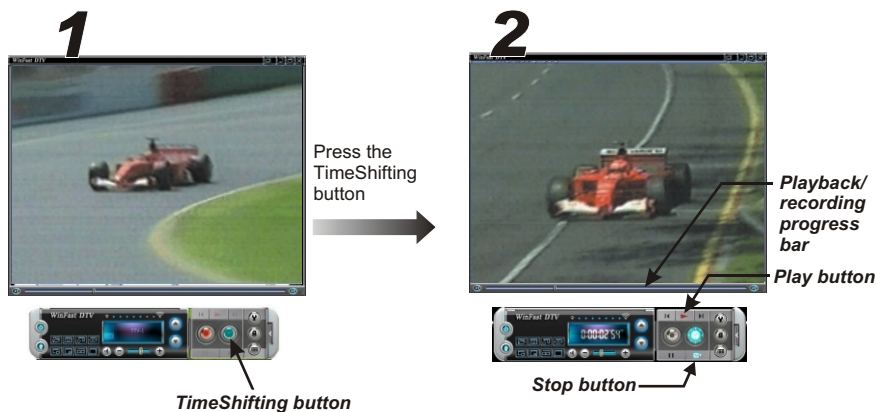
- 2 **Progress Indicator Bar**
This gives an indication of the current playback/recording status.

- 3 **Control buttons:**
 - Pause**
Click this button to pause at current screen.
 - TimeShifting**
Click this button to enter TimeShifting mode .

- Go to the Beginning/End**
Click to start playing back from the beginning/end of the TimeShifting recording.
- Play**
During TimeShifting, press this button to start playback from the beginning.
- Stop**
Click this button to stop at the beginning of the recording process (ie. The playback slider knob will move to the beginning). Press this button *twice* to quit TimeShifting mode.

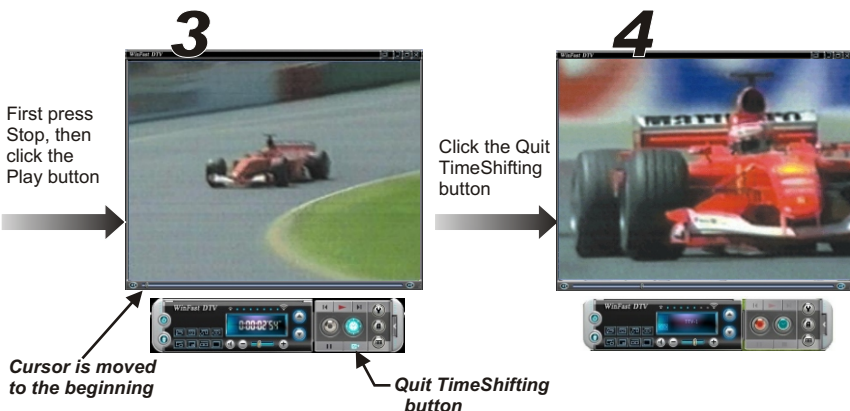
How TimeShifting Works

The figure below shows the steps of entering TimeShifting mode.



In TV mode, the screen is playing live TV.

TimeShifting is in progress. The progress of playback/recording is shown on the scroll bar at the bottom of the screen.




TimeShifting is still in progress. The video playback will start playing from the beginning when users press stop and then play buttons.

Quit TimeShifting mode. Live TV is shown on the screen.

EPG-Electronic Program Guide

An EPG is a on-screen guide to scheduled broadcast television programs, allowing users to navigate and select content by time, channel, etc.

In areas where Electronic Program Guide is applied, you could use this function by clicking on the  button on the Control Panel (See Fig.2 below). Users can view channel lists and set recordings directly into WinFast DTV via the online channel guide.

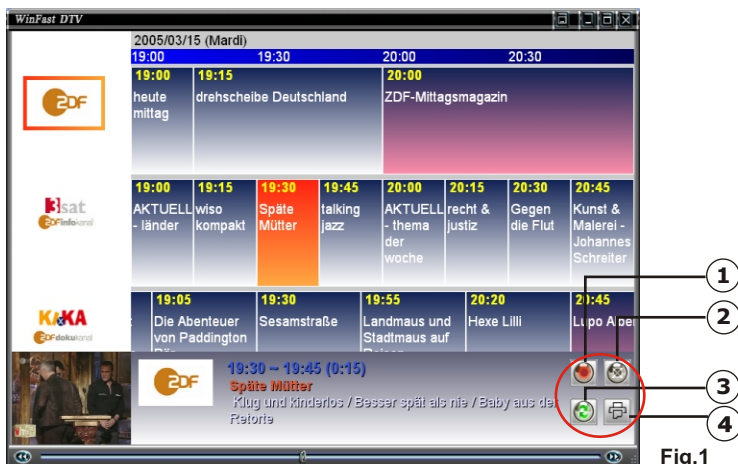






Fig.1



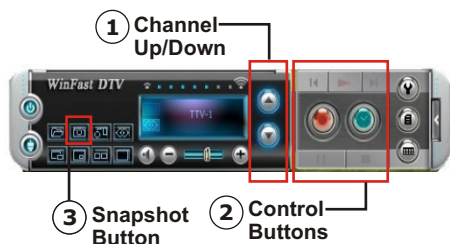
Fig.2

- ①  **Put this program into scheduler**
Click this button to add a program to the scheduler.
- ②  **Remove this program from scheduler**
When a program has been added to the scheduler, click this button to remove this particular program.






- ③  **EPG Reload**
Click to refresh existing EPG data.
- ④  **Printing EPG**
Click to print a specific EPG.

In Video Playback mode, you can playback recorded TV while live TV is still playing on the screen in picture-in-picture (PIP), picture-and-picture (PAP), and picture-on-picture (POP) style. This section includes the following topics:

Control Panel




**Refer to the Control Panel section for controls that are identical with those on the control panel of Video Input mode.*

- 1  **Channel Up/Down**
Click to switch the live TV channel up or down.
- 2 **Control buttons:**
 -  **Last/Next File**
Click these buttons to switch the playback to the last or next file saved on the hard drive.
 -  **Play/Pause**
Click to start/pause the playback.
 -  **Stop Playback**
Click to stop the ongoing playback.
- 3  **Snapshot**
Click to take a snapshot and save it as a .bmp, .JPG, .PNG and .TIFF formats (it usually saves as a .jpg file in Windows XP).

Picture-And-Picture Twinview



PAP Twinview Close Twinview


Press the PAP Twinview  button on the control panel to view two TV programs in side-by-side style. Use the scroll bar on the screen to adjust the volumes of each program. When the scroll bar is moved towards the right, the volume of the program shown on the right will be louder than the volume of the left program. And vice versa.

To close Twinview ,click  .

Picture-in-Picture Twinview



PIP Twinview Close Twinview

Press the PIP Twinview  button to view two TV programs in picture-in-picture style.

To close Twinview, click  .

Screen Controls

**Exit WinFast DTV**

Click to close the application.

**Maximize**

Click to maximize the viewing window.

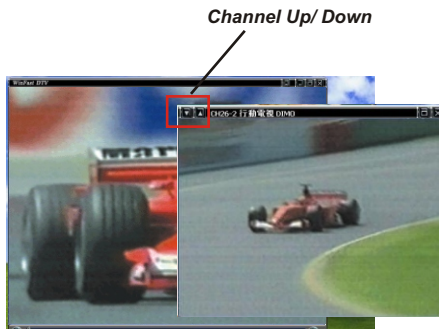
**Minimize**

Click to maximize the viewing window only.




**Frameless**

Click to hide the screen frame and the control panel. Double-click the screen in order to restore the control panel.

Picture-on-Picture Twinview



POP Twinview Close Twinview

Press POP Twinview  button to view two TV programs in picture-on-picture style. Use  and  buttons for program selections on the sub-screen.

To close Twinview, click  .

Popup Menu of Video Playback Screen

Right-click on the virtual screen to open the popup menu as shown in the figure below.



[Always on Top]

Tick this item to keep WinFast DTV stays on top of all other active applications.

[Explore WorkArea Folder]

Click to open the WorkArea folder explorer. Drag-and-drop a saved media/snapshot file and play it on the screen.

[Hide Control Panel]

Select this option to hide the control panel. Users can then view TV and work on other application simultaneously.

[Video Stretch]

When this option is chosen, the viewing screen will maximize proportionally with the screen.

[Force Ratio to 4:3]

Tick this item to keep the width and height ratio of the screen at 4:3.

[Force Ratio to 16:9]

Tick this item to keep the width and height ratio of the screen at 16:9.


[Skin Selection]

Users can select a preferred panel from 3 various styles of control panels.

[About WinFast DTV]

It provides current version number information for WinFast DTV.

Scan Channels

Click on  to open the Scan Channels dialog box as shown in the figure below.



Scanning for channels is the first thing you need to do when you use the application for the first time. Otherwise, there will not be any channels available for viewing. To scan for channels, go to *Configuration-> Scan Channels* dialog box.



[Country]

Choose the country where you currently reside from the drop-down list to help the system tune in the channels at the precise frequencies, and hence determine the appropriate video standards.

[City]

Select a city from the list for a specific country.

[Sensitivity]

You can set the scanning sensitivity level from low to high.

[Scan] button

Click the button to start scanning for all available channels.


[Exit] button

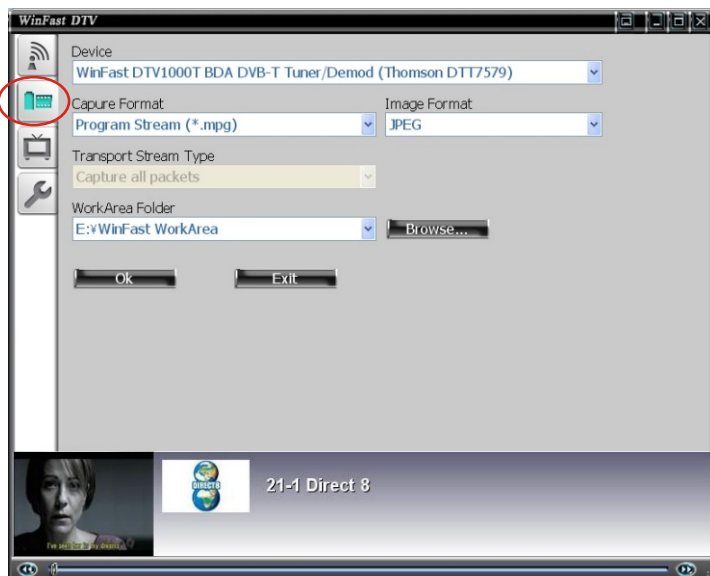
Press to exit the Scan Channel dialog box.

[View Style] button

Users can select the viewing style that they wish to view the available channels.

Digital Video Capture Setting

Click on  to open the Digital Video Capture Setting dialog box as shown in the figure below.



[Device]

By default the device used is *WinFast DTV1000 T*. Or users can select other available Leadtek devices.

[Capture Format]

Two types are available: *Program Stream (*.mpg)* and *Transport Stream (*.ts)*. When *Program Stream* is selected, by default the transport stream type is set to "*Capture this program only*". Otherwise when *Transport Stream* is selected, by default the transport stream type is set to "*Capture all packets*".

Note: In order to play *Transport Stream* files, use either a VLC media player (refer to www.videolan.org/vlc/), or a moonlight-Elecard MPEG player (refer to www.moonlight.co.il).

[Image Format]

The formats available are : JPEG, BITMAP, PNG, and TIFF.


[Transport Stream Type]

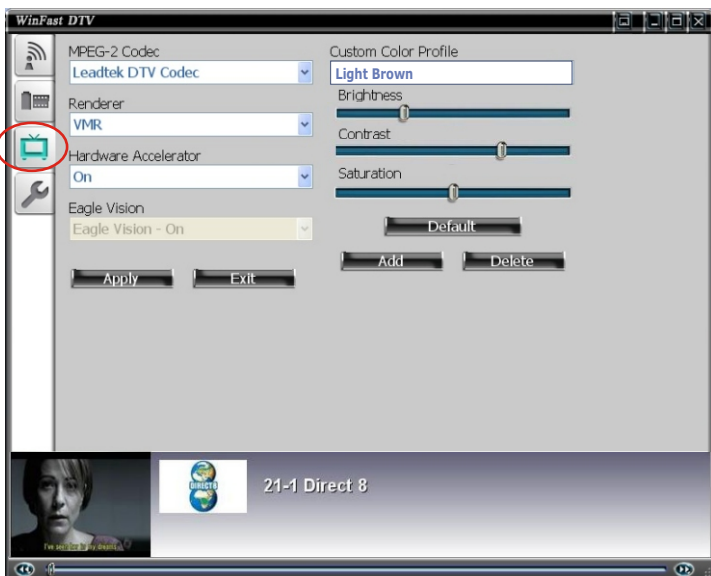
Two Transport Stream Types are available: *Capture all packets* & *Capture this program only*.

[WorkArea Folder]

Browse the directory for saving the recorded media files. All recorded media files will be saved in the directory.

Video Setting

Click on  to open the Video Setting dialog box as shown in the figure below.



[MPEG-2 Codec]

The default value is *Leadtek DTV Codec*.

[Renderer]

Users can select either VMR, VMR 9 or Overlay Mixer as renderer. The default renderer is *Overlay Mixer*.

[Hardware Accelerator]

Users can turn on/off the hardware accelerator. When Hardware accelerator is turned on, the eagle vision option is set to ON by default. Otherwise users can choose the various eagle vision options.

(Please note that some on-board VGA does not support this feature).


[Eagle Vision]

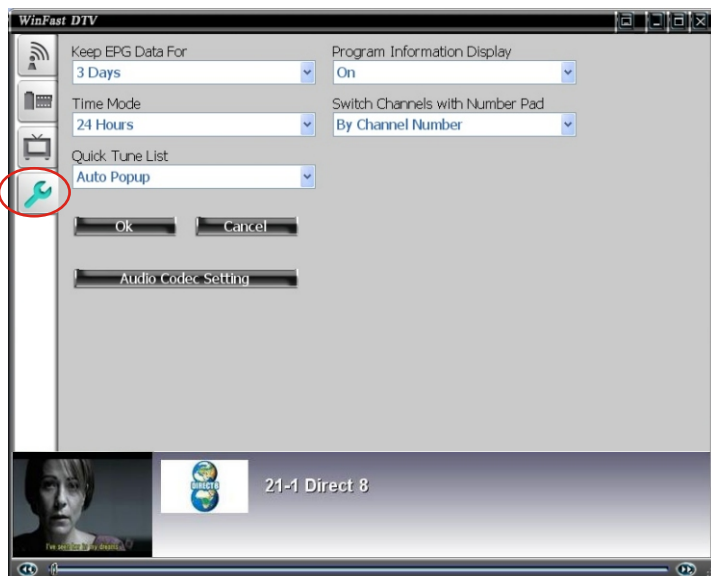
When this function is turned on it will emphasize the visual effect of WinFast DTV. There are three options available: *eagle vision-on, eagle vision-off, eagle vision- half*.

[Custom Color Profile]

Users can save a customized color profile with a specific name. By adjusting the *brightness, contrast & saturation*, different color profile can be added to the list.

General Setting

Click on  to open the General Setting dialog box as shown in the figure below.



[Keep EPG Data for]

Users can choose the number of days (0 to 7 days) he wishes to keep the EPG data for.

[Time Mode]

The time mode can be either *12 hour* or *24 hour* mode.

[Quick Tune List]

Users can choose to view the submenu by *Auto Popup* or *Popup by clicking*.

[Program Information Display]

The current program information will be shown when it is turned on.



[Switch Channels with Number Pad]

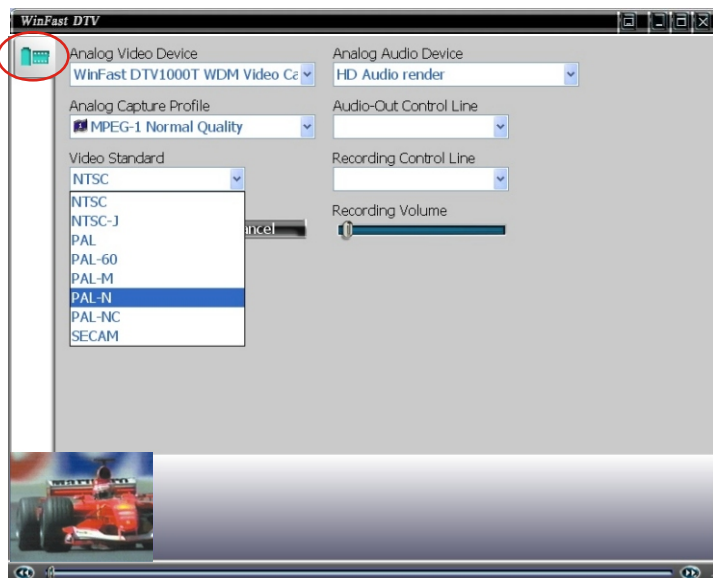
Users can switch the channels by *channel sequence* or by *channel number*.

[Audio Codec Setting] button

All available formats are listed. We suggest that you use a compressed format for recording.

Analog Video Capture Setting

Click on  to switch to other video input sources such as CVBS & S-Video. When configuration  is pressed the following screen is shown:



[Analog Video Device]

All available video devices are shown in the list.

[Analog Capture Profile]

Select a format from the drop-down list.

[Video Standard]

Various video standards are available.

[Analog Audio Device]

Select an audio device from the drop-down list.

[Audio-Out Control Line]

Select an Audio-Out line from the drop-down list.

[Recording Control Line]

When recording a video program, users can choose to record audio from other sources to dub the original video audio. Click on the arrow to select an audio recording line as desired.

[Recording Volume]

Move the scroll bar to turn up/ down the volume. What is set here will also affect the playback volume. To prevent noise during the playback, turn down the volume during the recording process.

Schedule

Schedule Table

All scheduled events are listed with their starting time, ending time, channel name, lapse time and capture format.

[Add] button

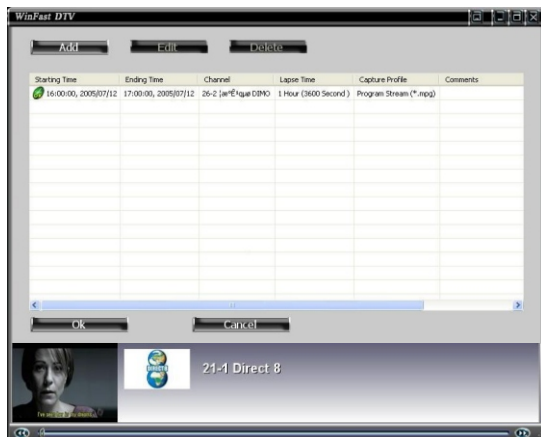
Click this button to open the TV Schedule Setting dialog box as below and add a new event.

[Edit] button

Select an event and then click this button to change its settings in the TV Schedule Setting dialog box.

[Delete] button

Select an event first and then click this button to remove it.



Schedule Setting

[Action]

When scheduling an event, select an action from the options that include: *TV Record*, *TV Show*, *CVBS Record*, and *S-Video Record*.

[Channel]

Select a channel name from the drop-down list for the event being scheduled.

[Capture Format Profile]

Select a capture format profile for the recording from the drop-down list.

[Audio]

Select either language 1 or language 2 for the audio option.

[Captured Filename]

Type a desired name for the recorded program in the box.

[Duration]

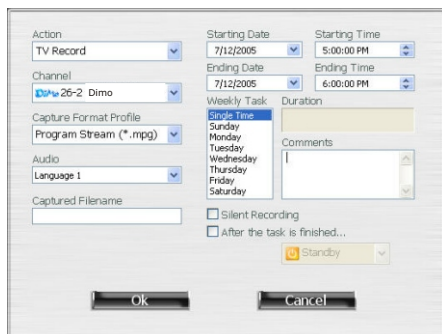
The length of the scheduled event.

[Weekly Task]

You can select a specific day for a scheduled weekly event, such as to record or view a particular TV program.

[Starting/Ending Time]

You can preset the starting/ending time of the recording and initializing live TV by selecting appropriate time.



[Comments]

You can type in the program name, comments, or notes as desired. Information input here often serves as a reminder.

[Silent Record]

Tick this option to set a scheduled recording to proceed silently.

[After the task is finished]

Tick this option to have your computer automatically execute your preferred action after the scheduled event is completed. You can choose the following options: *Log off*, *Turn off monitor*, *Standby* or *Hibernate*.

Note: Under *Standby* or *Hibernate* mode, the computer will automatically awake for pre-scheduled events.

WinFast DTV Function

TV:

Change the input source in TV

Teletext Selection:

Valid when Teletext is available. The colors of the button outlines correspond with those of the TV screen.

Power:

Press to open/close the WinFast DTV application.

Sleep:

Press to select a sleep mode. Once to set the timer at 30 minutes; twice, 60; thrice, 90; four times, 120; five times, sleep mode off. Keep pressing this button will alternate the mode in the same order.

Teletext/c.c.:

In areas where Teletext and/or close-captioning is provided by the local cable company, press this button to switch between or turn on/off whichever functions that are available.

Cancel:

Press to cancel the selection or close the dialog box.

VOL-:

Press to decrease the volume.

DVD Menu(DVD function key):

Press to enter DVD menu.

CH-:

Switch the channel down.

Previous/Next:

Press these buttons to jump to previous/next selection.

Play/Pause:

Press to start or pause the playback.

Rewind/Fast Forward:

Press these buttons to Rewind/Fast Forward.

PIP/POP/PAP:

Press to switch between PIP/POP/PAP display and a single display.

Numeric Keys:

For entering a TV channel number or radio frequency to switch to that channel.

REC Stop:

Press to stop the recording.

Stop:

Press to stop playback.

REC:

Press to start recording.

FM (only applicable to specific products):

Change the Input source in FM Input mode.

Mute:

Press to mute the audio.

DVD:

Press to open WinFast DVD.

Boss Key:

Hide the application.

CH+:

Press to switch the channel up.

Full Screen:

Press to display the video full-screen.

Enter:

Press to execute your selection.

VOL+:

Press to increase the volume.

Channel Surf:

Press to start channel preview.

Subtitle (DVD function key):

Press to show the DVD subtitle selections.

Language (DVD function key):

Press to show the DVD language selections.

Video:

Change the input source in Video Input mode.

Audio:

Press to switch between SAP, Stereo, and Mono on NTSC for users in USA and Taiwan; and between PAL I and PAL DK on PAL for users in China.

Display:

Display the current channel number on the screen.

Snapshot/M:

In Video input mode, press to take a snapshot; in FM mode, to add the current channel to the channel list.

TimeShifting:

Press to switch on/off TimeShifting

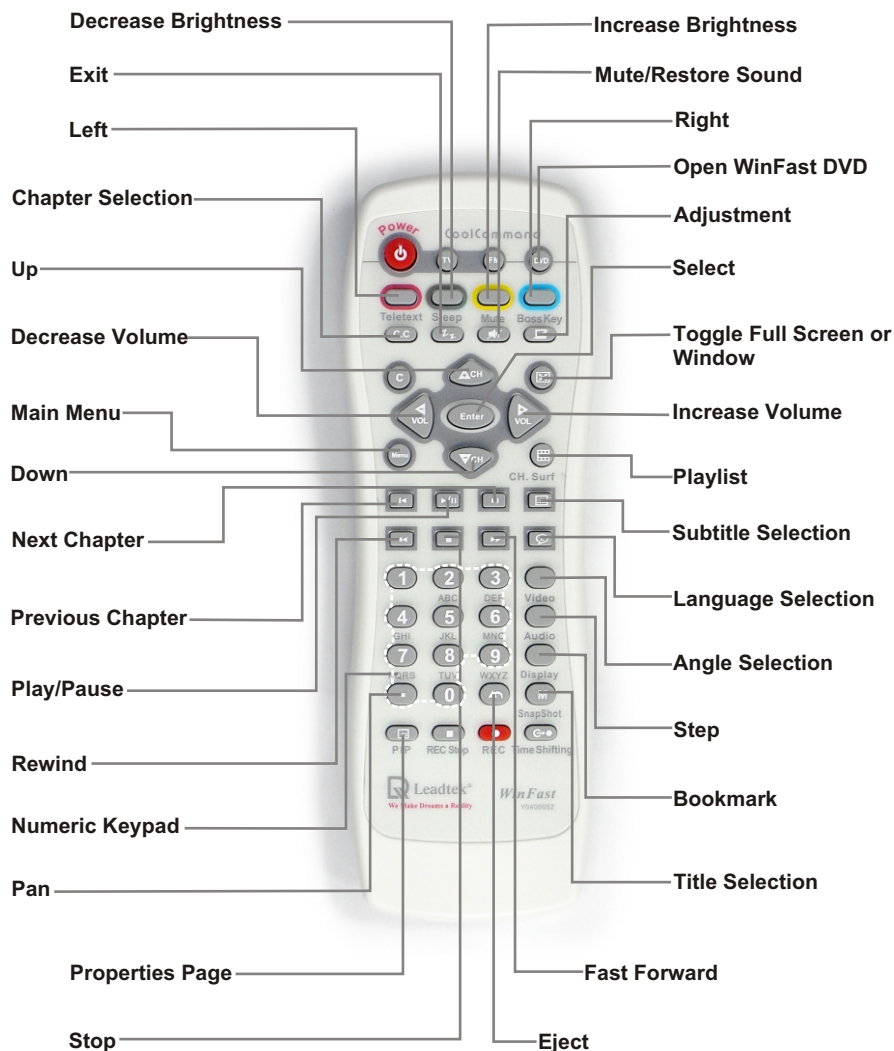
Recall:

Press to switch to the last-viewed channel.



WinFast DVD Function

Remote Model 2 also supports WinFast DVD function. These functions are only active when you are running WinFast DVD and the focus is on the display window.(Focus means that the window is active or selected)



TV/FM (only applicable to specific products):

Press to switch between Video Input mode and FM mode.

Numeric Keys:

For entering a TV channel number or radio frequency to switch to that channel.

Power:

Press to open/close the WinFast TV/FM application.

PIP/POP/PAP:

Press to switch between PIP/POP/PAP display and a single display.

TimeShifting:

Press to switch on/off TimeShifting.

Snapshot:

In Video input mode, press this button to take a snapshot. In FM mode, add the current channel to the channel list (FM function is only applicable to specific products).

REC:

Press to start recording.

VOL-:

Press to decrease the volume.

Channel Surf:

Press to start channel preview.

Full Screen:

Click to display the video full-screen.

Boss Key:

Hide the application.

Display:

Display the current channel number on the screen.

Recall:

Press to switch to the channel last viewed.

Enter:

Press to switch to a TV channel number or FM frequency (FM function is only applicable to specific products).

Mute:

Press to mute the audio.

CH+:

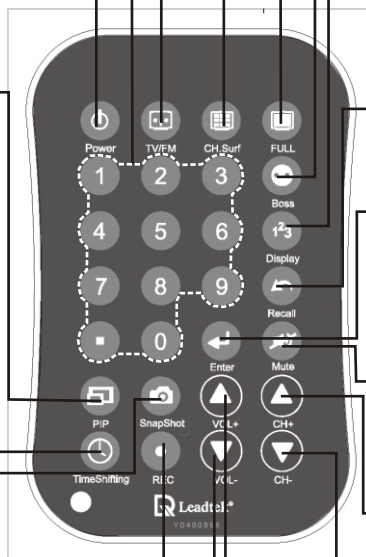
Press to switch the channel up.

CH-:

Switch the channel down.

VOL+:

Press to increase the volume.



Hot Keys

You can use the hot keys as shortcuts to control a variety of functions.

<u>Hot keys</u>	<u>Controlled Functions</u>	<u>Hot keys</u>	<u>Controlled Functions</u>
Number Pad 0-9:	Channel Number	F2:	Scan Page
S:	Audio Switch	F3:	POP/PIP/PAP
Spacebar:	Snapshot	F4:	Frame Rate
Enter :	Display	F5:	Stretch
ESC:	Stop/Quit	F6:	Channel Surf
F:	FullScreen	F7:	(Teletext)
Alt + Enter:	FullScreen	F8:	EPG Page
M:	Mute	F9:	Schedule Page
Ctrl + C:	Hide Control Panel	F10:	Capture Setting Page
Ctrl+ E:	Explore WorkArea Folder	F11:	Video Setting Page
Ctrl + R:	Record	F12:	General Setting Page
Ctrl+ T:	Record TS		
Ctrl + S:	Skin Selection Page		
Ctrl + H:	TimeShifting		
Ctrl + V:	Video-in Switch		
Ctrl + F5:	Frameless mode		