

Hauppauge!® USB-Live

Quick Installation Guide for WindowsXP

The full manual in PDF format is located on the **USB-Live Installation CD**, in the **MANUAL** directory.

USB-Live will operate with Windows98SE, WindowsMe, Windows2000 and WindowsXP.

Note: DO NOT INSTALL USB-Live until your PC has been turned on and Windows has booted.

Contents of the USB-Live package

USB-Live video adapter

USB-Live Installation CD-ROM with:

- WinTV-32** application
- WinTV-2000** application with SoftPVR™
- Microsoft NetMeeting updates** for Windows98
- DVD MovieFactory 2SE** for editing and burning Video CD's and DVD's



Step 1: Boot your PC

DO NOT PLUG THE USB-Live into your PC until your PC has fully booted..

Turn on and boot into **Windows**.

Then plug the **USB-Live** into one of the USB connectors on the back of your PC.

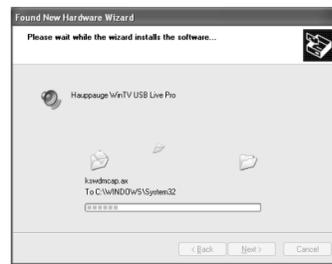
Note: it is not recommended to connect the WinTV USB to a USB Hub or Keyboard

Step 2: Install the USB-Live driver for WindowsXP

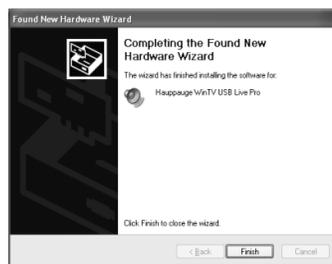


When the **Found New Hardware Wizard** appears, Insert the **WinTV Installation CD-ROM** in your PC's CD-ROM drive and make sure **Install the software automatically (Recommended)** is checked.

Then click **NEXT**.



The USB-Live driver will be copied to your hard disk drive.



Click **Finish**.

Step 3: Install the WinTV application



After the **WinTV-USB** driver has been loaded, the **WinTV** setup program will be run.

Chose the language you would like and click **Next**.



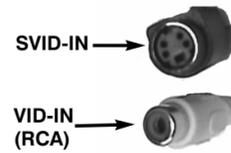
Click **Install**.

After all of the files have been installed, you will see the **Installation Complete** message. Click **OK**.



Step 4: Connect the video

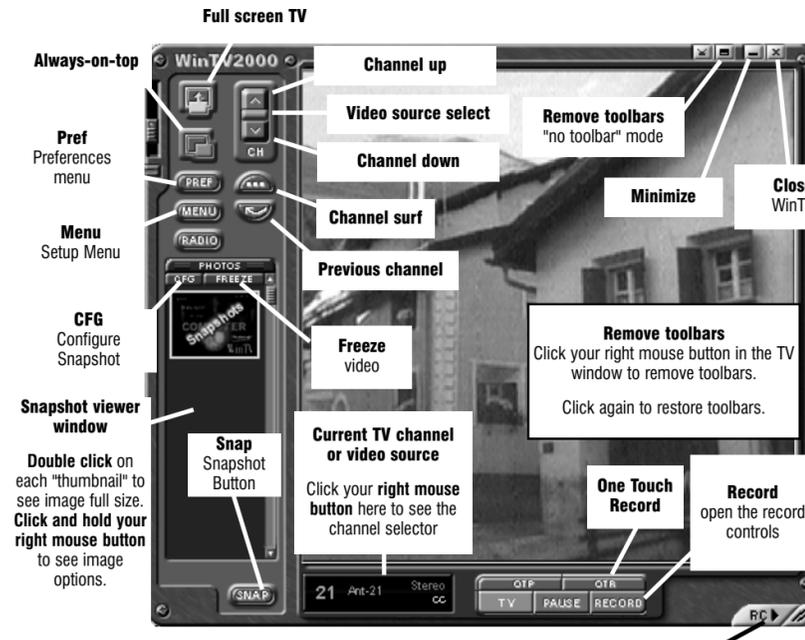
Now connect a VCR, camcorder or video camera to the **WinTV-USB** connector marked **VID-IN** for **Composite** video (**RCA**) or **SVID-IN** for **S-Video**.



Step 5: Running the WinTV application

On your Windows desktop, you will see an icon for the **WinTV2000** application. To launch **WinTV2000**, simply double click on its **icon** on your Windows desktop. If you get an error message, please review the **Troubleshooting** section.

The WinTV2000 application



New features on the WinTV2000 application

Selecting an External Video source (VCR, camcorder, etc.)

Click the **green Video source select** button to select **Composite** or **S-Video** sources. The video sources will use the video standard chosen (NTSC or PAL).

Displaying TV full screen

When you click the **Full screen** button, video will appear full screen. When finished watching video full screen, click your **right mouse button** in the video window.

If you see video with a black box around it, click the **Pref** button then click **TV mode tab**. Check the box which says "Allow resolution change".

"Always-on-Top" mode:

With **Always on Top**, the WinTV window can always be visible on your Windows desktop. To turn on Always-on-Top, simply click the **Always-on-top** button. It will turn green. To turn off Always on Top, click this button again.

A convenient way to use Always-on-Top is to make the TV window in the no-title mode small, and to make the TV window in the title mode larger. Then you can switch very quick from a small window to a larger one simply by clicking the right mouse button.

Menu button

Click the **Menu** button to open the TV Setup menu:

Suite Manager: not used on the USB-Live (this is for WinTV's which have built-in TV tuners).

Configuration: duplicate configuration menus for color, audio, MPEG settings, etc.

View: for setting the TV window size

Pref button

Click the **Pref** button to open the **Preferences** menu. You will have tabs for:

View: these are the settings for the **On Screen Display** of the **TV channel** and **Audio Volume**, where you can enable **Close Captions**, plus controls for the **Toolbar mode (Title mode)**, **NoToolbar mode (No Title)** and **Full Screen (TV mode)**.

Movies: here is where you configure the **video and audio settings** for SoftPVR. You can set

the **movie record directory** (DVCR Record File Path), the **MPEG Quality** settings, and the **Audio** settings.

Snap Shot: here is where you can set the **size of your captured images** plus single or two field captures.

Audio: your **audio settings** are configured here.

Color: **adjust the color** of your TV picture here.

To hide the WinTV toolbar:

Simply click your **right mouse** button in the WinTV's video window for the **no-title** mode. To restore the toolbars (the **title** mode), once again click **your right mouse button** in the WinTV's video window. You can set the size of the window differently in each mode.

To allow WinTV to display TV full screen:

Click on the **Pref** button in WinTV2000 (or click on **Display / Preferences** in WinTV32), then click **TV mode**, and check the box which says "**Allow resolution change**". When you click the **Full screen TV** button on WinTV2000, Windows will change your screen resolution to either 640x480 and TV will appear full screen.

When finished watching TV full screen, click your **right mouse button** to return to "TV-in-a-window" mode.

Recording MPEG video with SoftPVR™



Note: The following functions are not currently enabled with SoftPVR: the **OTP** and **Pause** buttons, plus the **Fast Forward** and **Rewind** functions.

Note: a Pentium III 800MHz minimum system is recommended for best SoftPVR operation.

To start recording, either click the **OTR (One Touch Record)** or the red **Record** button on WinTV2000. You can also start a recording by using **WinTV Scheduler**.

To stop recording, click **Stop**. To close the recording controls, click the **TV mode** button.

If you click **OTR more than once**, a record timer will be set and the record timer will be set 15 minutes for each time the OTR button is clicked. For example, if you click the OTR button 3 times, the WinTV will record for 30 minutes.

The recorded video file is saved in the **DVCR Recorded File Path** directory. To set this directory, click the **PREF** button (Preferences menu), then the **Movies tab**. In **DVCR Record Path** set the directory for your recordings.

Record Button: Clicking the Record button will automatically generate a file name and start recording your audio/video program. Everytime you record a file, a new file is automatically created and the file name is displayed in the record window. The first file name will be **_dvcr001.mpg**. The second file will be **_dvcr002.mpg** and so on.

While recording:

- **Live video** continues to play in the WinTV window
- **The Counter** will display the length of your recording in hours:minutes:seconds
- If you had started recording with the **OTR button**, and had clicked it more than once, the **total time for the recording will also be displayed**. You can also click **OTR** after a record has been started, and the record timer will be set.

Click the **Stop** button to stop your recording. The recorded audio/video file is then saved to

disk using the automatically assigned file name. The Time counter is reset to 00:00:00 after the recording is saved.

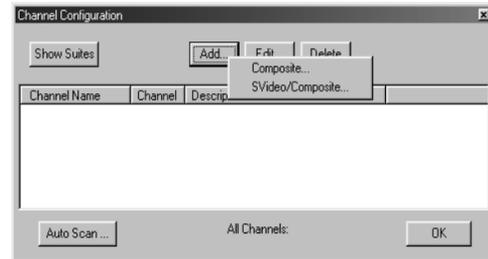
Play Button: Clicking the Play button will playback from disk the last video file created. With SoftPVR, you can only Play and Pause your videos.

File Button: Clicking the File button opens the File menu. The last file recorded is listed in the File name box. In the File menu you can: Rename your recorded video file, Play a video file previously recorded, Delete recorded video files.

If you have problems with audio:

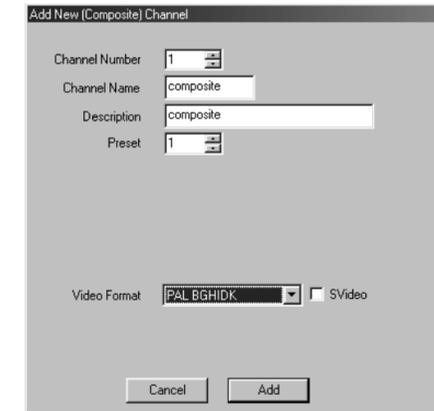
If you find that there is no audio while playing back your AVI files, this is because the sound card has not been setup to record audio from its 'Line-in' socket. To enable audio recording, open the **Recording Control** panel by clicking **Start / Run** and then **SNDVOL32 / REC**. This will open the Recording Control panel. Make sure that **'Line-in'** is enabled (this is sometimes called 'Line' or 'Aux').

Configuring WinTV for PAL video



In **Europe** and other areas which use **PAL** video, you need to change the video format to **PAL**.

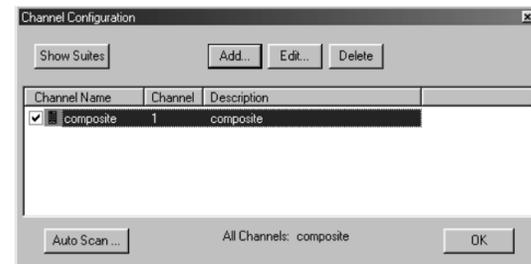
To do this, click the **Suite button** (on the **WinTV32** application click **Configure / Channels / SuiteManager**). Click **Add** and chose either **Composite** or **S-Video** (depending upon which type of video you are using).



In the **Add New Channel** dialog box, you should:

- Set **Channel Number** to **1**
- Set **Channel Name** to either **Composite** or **S-Video**
- Set **Preset** to **1**
- Set **Video Format** to **PAL**

Then click **Add**.



You will now have the **video input** source correctly configured for your **video standard**.

Using DVD MovieFactory 2SE

Start project: Used to author and burn DVD's, SVCD's and VCD's. Create chapter menus, mix videos, JPEGs and music.

Edit disk: Edit videos or menus from DVD+RW's.

Direct to disk: not used.

Copy disk: Burn copies of existing disc images to CD/DVD.

Burn disk images: Burn copies of existing disc images to CD/DVD.



Video Capturing Procedure

Capturing motion videos (**AVI files**) is simple with **USB-Live**. Use the integrated software remote control in the **WinTV2000** application (click the **RC** button on WinTV2000) to configure and activate these functions. **WinTV32** has identical features, which can be selected from the still camera and movie camera buttons provided on the top of the **WinTV** toolbar.

After capturing AVI video files, you can bring them into **DVD MovieFactory** for editing or burning. To edit, use the **Capture Video** menu, click on the **Edit** tab, and then click the **Import video files** button. To burn onto CD, use the **Author menus**.

Still Image Capture: Multiple still images can be captured, allowing you to select or discard images and adjust the image size before saving. Use the **CFG** button to set the default image size (the image size can also be changed by clicking the right-hand mouse button on a chosen image).

Motion File Capture: The buttons under the VCR section are numbered to aid clarity. Firstly, click on **FILE**, to set the Name and Location of the file that you want to create, for example: TEST.AVI in C:\ (as shown, we recommend adding the .avi extension at the end of the file name). Click on **FMT** to set the Video Format, Frame Size and Frame Rate (typically: 15-bit RGB, 320x240 and 25 frames per second, respectively).

To start Recording, click on **REC**. To stop Recording, click on **REC** again. A file name ending with the extension **.AVI** will be created and copied to your hard disk. To play back the recorded file, simply click on the **PLAY** button. Alternatively, locate the file and double click on it.

Warning: Motion (**avi**) files can consume a large amount of disk space; typically 100MB per minute. Note: If you find that there is no Audio during Playback, this is because the sound card has not been setup to record audio from its 'line-in' socket. Generally, you will need to will need to go to **Start/Programs/Accessories/Entertainment/ VolumeControl**. This will display the Windows **Volume Control** panel, where you should click on **Options**, then **Properties**, then select **Recording** and make sure that at the bottom **'Line-in'** is checked (this is sometimes called **'Line'** or **'Aux'**). Clicking on **OK** will return you to the Volume Control Panel (for recording levels). Make sure that 'Line-in' (or 'Line' or 'Aux') is selected and that the Volume Level is set high.

Notes

The latest drivers, installation notes and Utilities are available on the **Hauppauge** Software Updates page on the Hauppauge web site. Please look at http://www.hauppauge.com/html/sw_tvusb.htm

- Microsoft's NetMeeting can be run with the **WinTV-USB-Live**. Here are some known problems:

If you are using Windows98 Second Edition (which was released June 1999) with NetMeeting 3.0, you cannot change the source for the video from within NetMeeting. This is a NetMeeting problem which will be fixed in the future. To change sources, you need to set the source in **WinTV32**, **Win2000**. close **WinTV** and then run NetMeeting.

If you are using the original version of Windows98, to use NetMeeting you will need to run a NetMeeting upgrade program. This can be found on the **WinTV-USB** Installation CD-ROM in the **Misc/VFW_upd** directory. Run the **VFWUPD.EXE** program from this directory.

Online Help

Should you require information regarding the use of features in the **WinTV 2000** application, we have provided an on-line **HELP** button.

You can get to this by clicking on the **lower-right hand corner** of the **WinTV 2000** application window to launch the "virtual remote control".



The **HELP** button is located at the bottom of the advanced controls section of this remote control (**see left**)

Note: The USB-Live comes with the same highly-acclaimed **WinTV** application that we supply with our other **WinTV** products. Because of this, some features (namely: tuning for TV channels) are not applicable to this product.

Keyboard shortcuts

Ctrl C	Image Copy to the clipboard
Ctrl F	Image freeze
Alt M	Default Menu
Ctrl P	Image print
Ctrl T	Full screen video
F1	Help
SHIFT / F1	Context Help

Troubleshooting

- If you receive any of the following error messages, your VGA card does not support Overlay Mode and therefore you must run **Primary.EXE** from the **WinTV** directory, selecting **Primary**:

black screen (no video image)

excessively slow and/or pixelated TV image

Error message: "Connecting Preview Pin Direct to Overlay Mixer"

- If you receive any of the following error messages, your **USB-Live** driver was not loaded correctly:

"Error Cannot Locate Capture Filter (**Hauppauge WinTV capture**)"

"Cannot build filter graph"

"Error: connecting VCap and HCWcap filters"

"Error preview pin direct to overlay mixer"

To fix this problem, run **HCWCLEAR.EXE** which can be found in the Misc\Utilities director of the WinTV-USB Installation CD-ROM. Then remove the **USB-Live** device and reboot your PC.

After reboot, the **WinTV-USB** driver will reload. The latest version of the **WinTV-USB** driver can be found on our Web site at http://www.hauppauge.com/html/sw_tvusb.htm

- To verify that you have Windows 98 and above operating system, click on **Start/Settings/ControlPanel** then click on the **System icon**. In the **General tab** under **System** you should see Microsoft Windows98 Version 4.10.1998 or Microsoft Windows98 Second Edition.

- To insure that you have **USB** support, click on **Start/Settings/ControlPanel** then click on the **System icon**. Under the **Device Manger tab** you should see that you have a **Universal Serial Bus Controller**.

- To check if your installation was successful, click on **Start/Settings/ControlPanel** then click on the System icon. Under the **Device Manger tab** go to **Sound, Video** and **Game Controllers** and check that it has the line: **Hauppauge WinTV-USB**.

- WinTV USB-Live** will not run under Windows95 or Windows NT4.0

- When video is running, Windows will not enter suspend mode.

- If the live video display **freezes** when you open other applications, you should reduce the **Hardware acceleration** of the PC Display Adapter (this may happen only on several specific display adapter cards). Go to **Control Panel** and click on **Display**. Select **'Setting'**, then click on **Advanced Properties**, select the **Performance tab** and you will see the **Hardware acceleration bar**. Reduce the performance to **None**.

- Note** that if **Overlay mode** is selected, no live video is displayed during video capture or video streaming (video streaming is used by some Videoconferencing and Video Mail applications).

- Turn off the PC power manager to achieve better performance, located in control pannel.