Hauppauge®

WinTV Quick Installation Guide for Windows XP, Windows Me, Windows2000, Windows98SE

Note: The full WinTV Installation manual in PDF format, is located on the **WinTV Installation CD-ROM** in the **Manual** directory.

Contents of the WinTV package

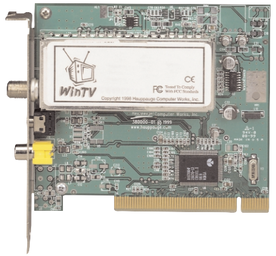
WinTV board 878 based

Sound cable for connection between the WinTV board and your sound card

Composite to S-Video adapter (on some models)

WinTV for Windows Installation CD-ROM with:

- WinTV2000 application with SoftPVR™
- WinTV- Scheduler
- WinTV Radio application (for use on models equipped with FM radio)
- Remote Control application (for use on models equipped with Remote Control)
- WinTV Installation and User manual
- WinTV Utilities

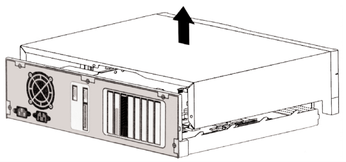


Remote control transmitter with 2 AAA batteries (on some models)

Remote control receiver with velcro dot fastener (on some models)

Radio aerial (on models equipped with FM radio)

Step 1: Prepare the computer

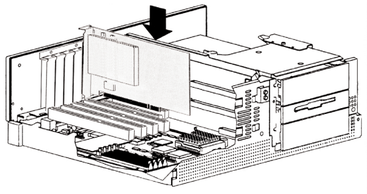


Switch off the computer.

The manufacturer of your PC supplies instructions on removing the PC cover.

Remove the cover.

Step 2: Install the WinTV board



Locate a free PCI slot (a short white slot).

Unscrew and remove the metal cover plate which covers the back of the empty slot.

Plug the WinTV board into the PCI slot, and screw the WinTV's metal cover plate to the PC.

Replace the computer cover.

Step 3: Connect the WinTV cables

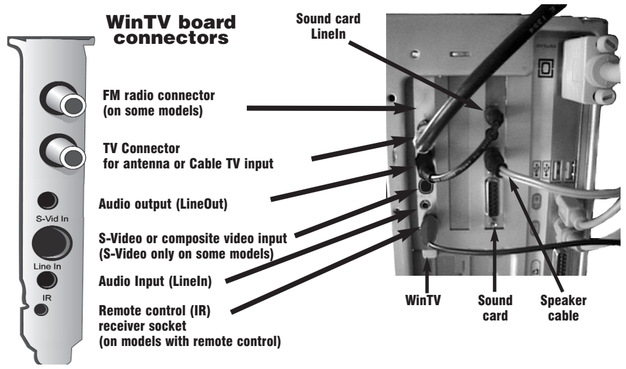
Plug your **TV antenna** or **Cable TV cable** into the WinTV's **TV Connector**.

The audio from the WinTV is routed to your PC's sound card for amplification and mixing. To connect to the sound card, plug one end of the supplied **Sound cable** into WinTV's **Audio output (LineOut)** connector. Plug the other end of this cable into the **LineIn** connector on your sound card.

The **S-Video input** and **Audio input** can be used to connect to a VCR, camcorder, camera, DVD player or satellite TV receiver. If your video device has a yellow composite connector instead of S-Video, use the supplied **Composite to S-Video** adapter.

If you have a WinTV with FM radio, plug the supplied **Radio aerial cable** into the **FM radio connector**. This may not be necessary if your TV aerial or cable network supplies an FM signal.

If you have a WinTV with remote control, plug the **Remote Control receiver** into the the **Remote control receiver (IR) socket**. Use the Velcro dot to position the Remote Receiver where it will be able to receive infra-red commands from the **Remote Transmitter**.



Step 4: Installing the WinTV under Windows XP

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***.

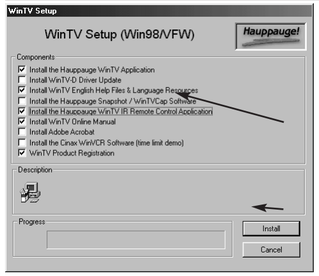
When the **Hardware Installation** dialog box opens, click ***Continue Anyway***.

Click ***Finish***.

After the video driver is installed, the **Found New Hardware Wizard** will detect the WinTV audio driver.

Click ***Next***, then ***Continue anyway*** and then ***Finish*** to complete the audio driver installation.

Step 5: WinTV Software installation



After the driver install completes, **Setup** can be run from the **WinTV Installation CD-ROM**.

Click the **Start** button, then **Run** and then the driver letter of your CD-ROM drive (for example: **D:**\), then **Setup.EXE**

Choose your language.

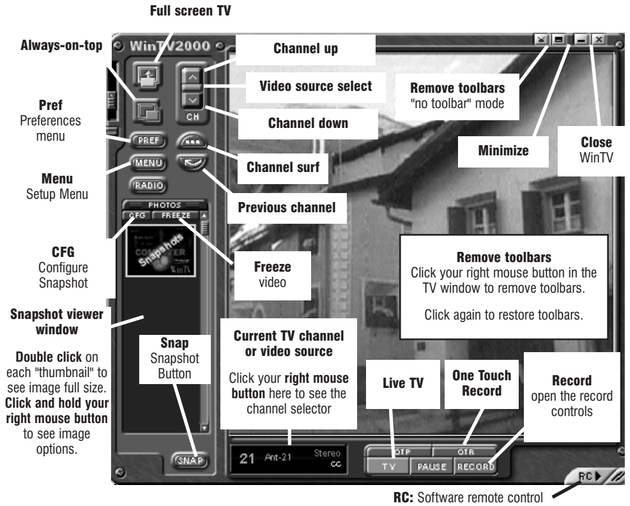
Uncheck any applications you do not want to install.

Click ***Install*** to install the **WinTV applications**.

After the Setup program is complete, the **WinTV2000 icon** will be on your Windows desktop. You'll also have the **WinTV-Radio icon** on WinTV models equipped with radio.

The WinTV2000 TV application

To run the WinTV2000 application for watching TV and for recording videos, double click the **WinTV2000 icon**.



Note: If WinTV2000 deos not have the TV / Pause / record buttons: The WinTV setup must be run from the primary CD-ROM in your system. If you do not see the **TV / Pause / Record** buttons, re-run setup with the **WinTV Installation CD** in your primary CD-ROM drive.

Scanning for channels

When running WinTV for the first time, you will need to scan for your TV channels. If you are using Cable TV, in the **Broadcast/Cable** box select ***Cable (or Cable HRC)***. Otherwise select ***Antenna***.

Choose the **Video Format** for your geographic region:

North America uses **NTSC M**
Europe uses **PAL B/G**
the U.K. uses **PAL I**
in South America, either **PAL M** or **PAL N** is used

Then click ***Start*** to start the channel scan.

Setting up the channels

After you have scanned for channels, you can add channel names and fine tune for better reception. To do this, click the ***Menu*** button on WinTV2000, then click ***Suite Manager***. You can also ***click and hold your right mouse button***, then click ***SuiteManager***.

Click on the ***desired channel***, then ***Edit***. Change the **ChannelName** to the name of the station, change the description or fine tune. Then click ***OK***.

Selecting an External Video source (VCR, DVD player, satellite TV box)

Click the ***green Video source select*** **button** to select **TV**, **Composite** and **S-Video** sources. The video sources will use the TV standard chosen when you scanned for your TV channels (NTSC or PAL).

Rescanning for channels

Click the ***Menu*** **button** and click on ***Suite Manager*** and then ***Auto scan***. Make sure you select cable or antenna in **Broadcast / cable**. Chose the correct **Video format** for your region and then click ***Scan***.

Displaying TV full screen

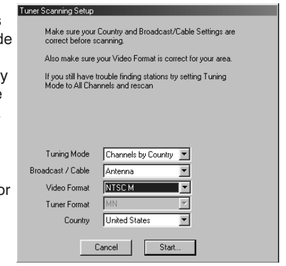
When you click the ***Full screen TV button***, TV will appear full screen. When finished watching TV full screen, click your ***right mouse button*** in the TV window.

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:

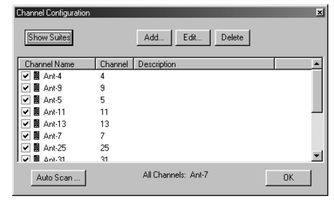
With **Always on Top**, the WinTV window can always be visible on your Windows desktop. To turn on Always-on-Top, simply click the ***Always-on-top*** **button**. It will turn green. To turn off Always on Top, click this button again.

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**. Here is the main control for TV channels, and duplicate controls for other functions:



Suite Manager: configure the TV tuner (scanning, naming, fine tuning, etc.), setting up 'favorite channel lists' and set an external A/V source to a TV channel.

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 setings.

Snap Shot: set the size of 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:

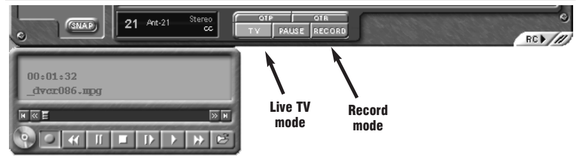
Simply click your ***right mouse*** button in the WinTV's video window for the **no-title** mode. To restore the toolbars (the **title** mode), once again click ***your right mouse button*** in the WinTV's video window. You can set the size of the window differently in each mode.

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 either WinTV32 or 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™



SoftPVR uses your PC's processor to compress your TV recordings into a size much smaller than the original video. This compression process runs at the same time as the recording, called 'real time compression'. SoftPVR has two recording formats: MPEG-1 or DivX. You can set the formats by clicking the ***Pref button*** on WinTV2000. and then clicking the ***Movies tab***.

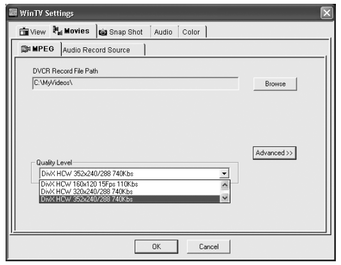
Note: The following functions are not currently enabled with SoftPVR: the **OTP** and **Pause buttons**, plus the **Fast Forward** and **Rewind** functions.

Note: a Pentium III 750MHz minimum is recommended for best SoftPVR operation with MPEG. For recording DivX, a 1.5GHz Pentium or faster is recommended.

To start recording, either click the ***OTR (One Touch Record)*** **button** 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*** **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, WinTV will record for 30 minutes.



Recording settings

Click the ***PREF*** button (Preferences menu), then the ***Movies*** tab to get to the **Record settings menus**.

In **DVCR Record Path**, set the directory for your recordings.

In **Quality Level**, you can set the format of your recordings. You can set MPEG or DivX record formats.

Recording controls

Record Button: Clicking the ***Record*** button will automatically generate a file name and start recording. 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. If you are recording DivX videos, the TV screen might become jerky of your processor is not fast enough to record and play live vide at the same time.
- **The Counter** displays 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. You can Rename your recorded video file, Play a video file previously recorded, Delete recorded video files.

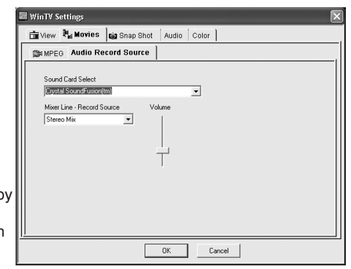
If you have problems with audio when playing back your recordings:

If you find that there is audio while watching live TV, but no audio while playing your video recordings, there are two things to check:

1. Make sure the **Mixer Line - Record Source** is set to either **Stereo Mix** or **Mono Mix**. In WinTV2000, click ***Pref*** / ***Movies*** / ***Audio Record Source***.

   Also, the message **Error - MainConcept MPEG Audio Connection** can be fixed in the same way.

2. Sometimes problems are due to the sound card not being 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').



WinTV-Scheduler

WinTV-Scheduler allows you to schedule the recording of TV shows. WinTV-Scheduler, once it is set, can be closed, and the WinTV application will "wake up" at the desired time and tuned to the desired channel.

After installation, WinTV-Scheduler can be found on your desktop. WinTV-Scheduler can also be run by clicking ***Start***/***Programs***/***Hauppauge WinTV***/***Scheduler***.

WinTV-Scheduler works by using the **Windows Task Scheduler** to launch WinTV at the chosen time. WinTV-Scheduler sets up a command line in Task Scheduler to run WinTV2000, specifying a TV channel and a length of time to record. At the scheduled time, WinTV2000 will open, and the record menu will roll down and start recording.

To set up a scheduled recording, run **WinTV-Scheduler** and click on the ***Add Program***. The items that need to be set for each event are:

- **Time to Begin Program**
- **Time to End Program**
- **Program Period:** one time, daily, weekly
- **Date to Begin Program:** todays date is the default. Change this if you want to schedule on another date.
- **Source selection:** leave set at WinTV2000 to bring up the WinTV at the requested time and on the requested channel.
- **Channel selection:** chose one of your scanned channels.
- **Recording options:** click on **Record to File** to record your show. You can also **name your file** to record, in the dialog box below.

Once these are set, click ***Set Program***. You can add more **Events**, clicking ***Set Program*** after each event is set. When you are finished click ***Close***. The **WinTV** program does not have to be running for the **Schedular** to work. If **WinTV** is not running, it takes about 10 seconds to start **WinTV** and to start the recording of TV.

WinTV-Scheduler also works with the following on-line Electronic Program Guides: TitanTV in North America, TVTV in Europe and iEPG in Japan.

The IR Remote Control (on some models)

Note: the IR remote control is found only on some WinTV models.

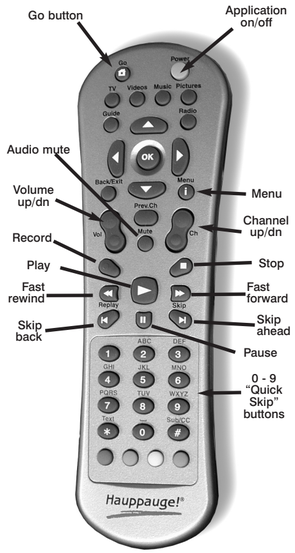
Note: Before installing the IR Remote for WinTV, make sure that the WinTV application works properly when using your mouse or keyboard.

The WinTV's remote control software is installed automatically during the installation of the WinTV applications. You will see the **WinTV Remote icon** in the **Windows Device Tray**. The installation will add a shortcut to IR.EXE to the Startup group, so that IR.EXE is loaded every time after Windows has booted.

If you need to restart the remote control, run **IR32.EXE** from the **C:\Program Files\WinTV** directory.

To install the IR Remote receiver:

- Turn off your computer. Plug the **sub-mini jack** at the end of the **IR Receiver cable** into the **Remote control (IR) receiver socket of the WinTV-PVR.**
- Place the **IR Receiver** on your desktop so that the infrared light from the **IR Remote transmitter** can reach the **IR Receiver.**
- Turn on your computer.
- If you had installed the **WinTV applications**, the IR software should automatically run, and you will see the **WinTV Remote icon** in the **Device Tray**.



Remote control when watching live TV

0 - 9 buttons: channel numbers.

Full button: makes WinTV go full screen. Clicking the Full button again brings WinTV into a window.

Record button: opens the SoftPVR tray.

Remote control when playing video recordings

Skip ahead button: skips ahead in the video 30 seconds per click. Holding the skip ahead button will autorepeat, and advances the video about 5 minutes per 10 seconds the button is depressed.

Skip back button: skips back 30 seconds per click. pressing and holding the Skip back button makes the video go back about 5 minutes for 10 seconds the button is depressed.

Go button: brings up the WinTV task list. Allows you to start WinTV2000, WinTV32 or WinTV-radio.

Menu button: brings up the Windows Task list. Use the left and right arrows to change to other Widnows tasks.

Green power button: will turn off the WinTV application

0 - 9 Quick Skip buttons: When playing back a recording, the "1" button will skip to 10%, the "2" button 20%, etc. of the length of the recording.

WinTV Radio (on some models)

Running the WinTV Radio program

To launch the WinTV radio application, click the **Radio** button on the WinTV2000 application. You can also launch the WinTV radio application by running it from the **ProgramFiles/WinTV** directory.

Using the WinTV-radio Buttons

Volume: The audio volume is adjusted by setting the Windows LineIn volume.

Tune: Fine tune the current radio channel.

Seek: Search for the next active FM radio channel.

Mem: Sets an FM radio channel preset. To assign the current station to a preset, click on Mem and then on one of the Preset buttons (1-10).

Mute: Turn off the sound

Mono: Force mono reception. Default is stereo audio.

Scan: Searches for new stations until you click on Stop. Click the ***RIGHT mouse button*** anywhere on the WinTV-radio window to set the Scan mode.

Min: Minimizes the WinTV-radio window.

CD: Starts your systems **Audio CD-Player** for playing back Audio-CD´s.

TV: Closes the radio application and starts the WinTV application.

OFF: Closes the radio application.

1-10: Preset 1 - 10

Installing WinTV for Windows98, Windows Me, Windows2000

1 After Windows in booted, the **Add New Hardware Wizard** will appear.

  Click ***NEXT***. Select **Search for the best driver for your device (Recommended)**. Click ***NEXT***.

2 When you see the **Windows will search ...** dialog box, insert the **WinTV Installation CD-ROM** into your CD-ROM drive.

  Select **CD-ROM drive** and click ***NEXT***.

3 Once the **Hauppauge WinTV** video driver has been detected, click ***NEXT***.

4 You will see a number of files being copied to your hard disk drive.

5 Click ***FINISH***.

6 After the Hauppauge WinTV video driver has been installed, the **Hauppauge WinTV audio driver** will be automatically installed

Note: If the driver is not found or if there are any other problems encountered while installing the driver, you may cancel this step entirely and install the drivers manually.

Double click on ***My Computer*** (on your windows background, usually in the upper left hand corner of your screen) click the ***Right mouse button*** on the **WinTV-USB Installation CD-ROM** drive and select **Open** on the pop up menu. Double click on the folder called **WDM** then double click on the file **Wdm98-XP.EXE** and follow the on-screen instructions.

Note: After rebooting your PC, you may be asked to insert your Windows98 CD ROM. Be sure to use the exact version of Windows 98 that is installed on your system. If you are using Windows98SE, do not use a Windows98 Gold CD-ROM.

System and Direct Draw check for Windows98SE and Me

After all files are copied, the **Hauppauge WinTV System Inspection** utility will be run.

Check for the message **Your Hauppauge WinTV hardware and software drivers appear ...** . If not, refer to the Quick Troubleshooting section.

Click on ***Close***.

Now the **Hauppauge WinTV DirectDraw Inspection** utility will be run.

Check if the message ***GOOD NEWS! We detect ...*** appears.

Click on ***Close (and save details)***.

If you do not see this message, then your VGA card does not have an updated Direct Draw driver. Most VGA card manufacturers provide updated drivers for Windows.

Keyboard shortcuts

+	channel up	Ctrl C	Copy image (clipboard)
-	channel down	Ctrl F	Image freeze
Page Down	Volume Down	Ctrl M	Mute audio
Page Up	Volume Up	Ctrl P	Image print
Ctrl T	Full screen TV		

Quick Troubleshooting Guide

Online installation tips and software updates can be found at:
http://www.hauppauge.com/pages/support/support_pci_878.html
Our FAQ can be found at:
http://www.hauppauge.com/pages/faq/support_faq_pci.html

Problem: Initialization error message when running WinTV2000

Sometimes there is an interrupt conflict between WinTV board and another device in your PC. Move WinTV to another PCI slot. You might need to reinstall the WinTV driver after moving WinTV. Run **HCWCLEAR** first (found on your WinTV Installation CD-ROM) before reinstalling the WinTV driver.

Problem: WinTV2000 with a black screen (no video)

The default WinTV video mode is **Allow Overlay**, but this may give a black screen with some VGA cards. **Primary.exe**, a program which is found in the WinTV directory on your hard disk, can be used to set WinTV's video mode. To change this setting, run Primary.exe and then select **Force Primary**. The Force Primary setting works with almost all VGA cards.

Problem: Pause button gives an error message

Currently, SoftPVR cannot support Pause mode. Only the Hauppauge WinTV-PVR products, with HardPVR, can operate in Pause mode.

Problem: No live TV audio from your PC's Left & Right speaker

Make sure you have plugged the **Sound cable** into the **Audio Output jack of the WinTV board**, and not the Audio Input jack.

In the Volume Control setting (under **Programs** / **Accessories** / **Entertainment** / **Volume Control**), be sure that the **LINE-IN** section is not on **Mute** (sometimes this is a PCs default) and that the volume is up.

After making sure your PC's audio mixer **LineIn** setting is not muted, and at a reasonable volume level, you can verify that the WinTV card is working by connecting self-amplified speakers directly to the **Audio Output jack** (LineOut) on the WinTV board.

On the WinTV2000 application, click the ***Pref*** button, then select the ***Audio*** tab. Make sure that the **Audio Mixer** lists shows **"Line-in".** Make sure that MUTE is not checked, and that the volume is up.

Problem: Incompatible motherboards

Not all older motherboards completely support the WinTV. We recommend the use of a motherboard with an Intel chipset. We have software updates on our web site which will fix problems found with several VIA and SIS-based motherboards.

Many motherboards have had BIOS upgrades to fix various problems. Our technical support department maintains a list of problems/solutions.

Please see **http://www.hauppauge.com/html/sw_wcst.htm** in the **Tips** section or **http://www.hauppauge.com/html/faq.htm**.

Problem: Poor TV Reception or Not detecting all channels:

Poor TV reception is generally the result of an weak TV signal. When using a 'rooftop' antenna, an aerial booster may be required if there is poor TV reception. If you find that some or all of the channels have not been detected, you can insert channels manually.

If you are connecting to a satellite TV receiver, cable box or DVD player, the best video quality comes if you use the **S-Video or Composite video** input on WinTV instead of the **TV connector**. **S-Video** and **Composite video** have better quality than the RF video used with the TV connector.

Also, in some areas using cable TV, a format called **Cable HRC** is used. If so, try rescanning (see step 8) but use **CABLE (HRC)** instead of cable in the Broadcast/Cable box.

Problem: Installing WinTV on Windows95, Windows NT systems

Our website has special drivers for use under Windows 95 and WindowsNT.

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