

# WinTV-D

## Quick Installation Guide for Windows

**Note:** WinTV-D has several different speaker configurations. The WinTV-D software can be configured for all configurations, but you may not need all the cables supplied.

### Contents of the WinTV-D package

**WinTV-D board**

composite video.

**Remote control transmitter** with 2 AAA batteries

**Remote control receiver** with velcro dot fastener

**WinTV for Windows Installation CD-ROM** with:

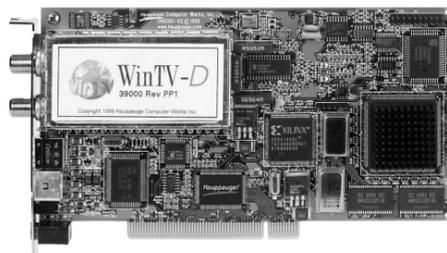
- WinTV applications
- Remote control application
- Utilities

**A/V cable** - connects between the WinTV board and your sound card (1/8" miniplug), connection to the Center (black RCA) and Surround speakers (white and red RCA) and the auxiliary video input (yellow RCA).

**Audio adapter** - 1/8" miniplug to 1/8" miniplug.

**Audio extension cable** - 1/8" mini-plug to RCA red and white male connectors.

**S-Video to composite adapter** - will convert the WinTV-D S-Video output to

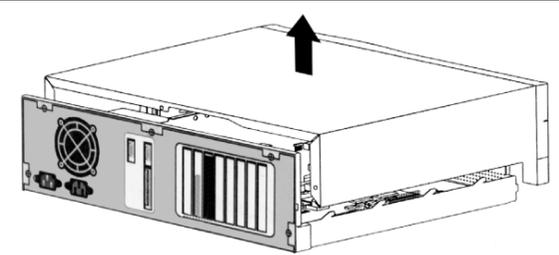


This board and remote are subject to change.



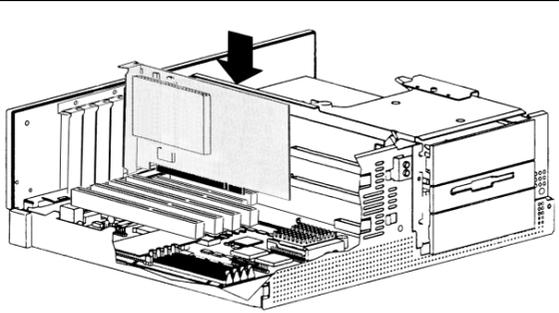
Remote receiver Remote transmitter

### Step 1: Prepare your 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 3a: Connect the WinTV-D cables

The WinTV-D board has two coax video connectors: one for a Digital TV antenna and one for cable TV. Screw your Digital TV antenna (a rooftop antenna is recommended in most areas) into the **Antenna connector**. Plug your cable TV connection to the **Cable TV connector**.

Plug the **A/V cable** into the A/V connector. The supplied **A/V cable** has 5 connectors:

- 1/8" miniplug - LineOut audio
- Yellow RCA - VideoIn
- Black RCA - Center audio
- White RCA - Surround audio1 (left)
- Red RCA - Surround audio2 (right)

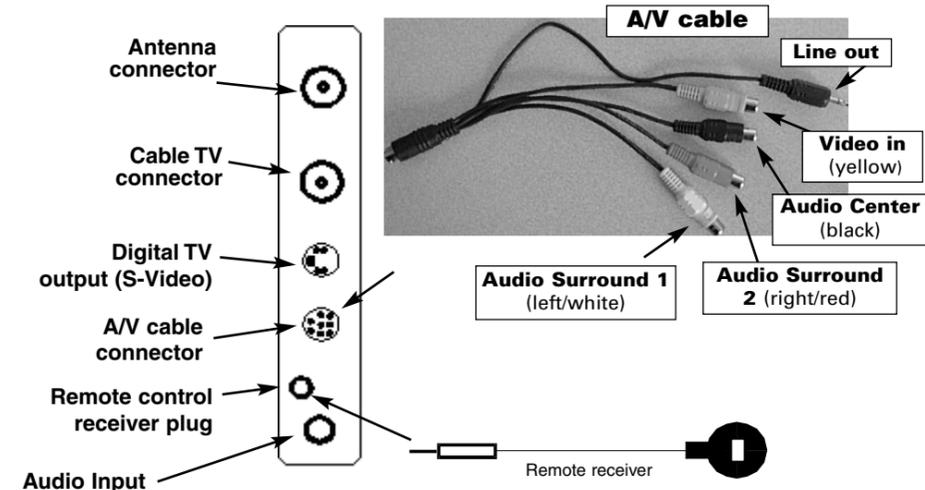
The black **1/8" minijack** should be

plugged into the **LineIn connector** on your PC's sound card, for Left and Right speaker sound.

The **yellow VideoIn RCA jack** and the **Audio input** can be used to connect to the output of a VCR, camcorder, DVD player or satellite TV receiver.

The **Remote Control receiver** is plugged into the the Remote control receiver plug. Use the Velcro dot to position the Remote Receiver where it will be able to receive infra-red commands from the **Remote Transmitter**.

### WinTV-D Connectors



### Step 3b: Connecting speakers for Surround Sound

If you have extra self-amplified speakers, you can connect the WinTV-D for enhanced Surround sound. When making connections to the speakers, you can use an **Audio extension cable** and the supplied **Adapter** to connect your speakers to the **A/V cable's Black, White or Red RCA jacks**.

You can configure the following modes:

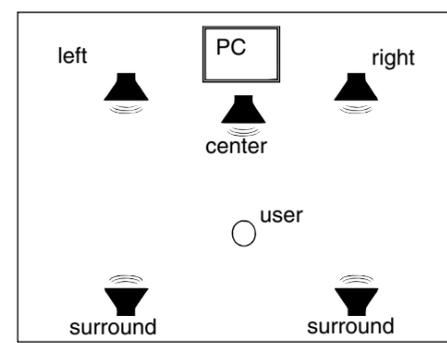
#### 3 speaker mode (L,R,C)

If you have one extra speaker, connect this speaker as the Center speaker (use the Black **RCA jack**). Position the speaker behind the PC user.

#### 5 speaker mode

This mode gives you the best effect of the WinTV-D. Connect two speakers as Surround (use the **White and Red RCA**

**jacks**) and one as the Center speaker (the **Black RCA jack**).



### Step 4: Install the WinTV driver for Windows



**4a.** When re-starting Windows for the first time after the WinTV board has been installed, the **Add New Hardware Wizard** will appear.

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



**4c.** Once the **Hauppauge WinTV video driver** has been detected, click **Next**.



**4e.** Click **Finish**.

### Step 5: System check

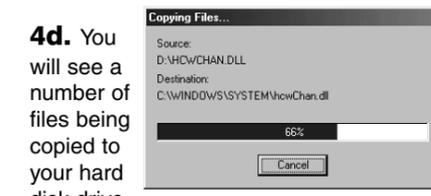
After all files are copied, the **Hauppauge WinTV System Inspection utility** will be run.

Check for the message **"Your Hauppauge WinTV hardware and software drivers appear to have been installed and configured correctly"**. If not, refer to the **Quick Troubleshooting** section.

Click on **Close**.

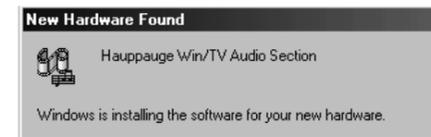


**4b.** When you see the above dialog box, insert the **WinTV Windows Installation CD-ROM** into your CD-ROM drive. Select **CD-ROM drive** and click **Next**.

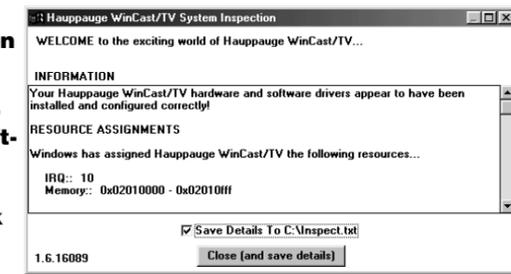


**4d.** You will see a number of files being copied to your hard disk drive.

If you receive an error message saying a file cannot be found, browse for these files in the **Win98** directory on the **WinTV Windows Installation CD-ROM**.



**4f.** After the **Hauppauge WinTV video driver** has been installed, the **Hauppauge WinTV audio driver** will be automatically installed.



## Step 6: DirectDraw check



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

Check if the message **“GOOD NEWS! We detect a compatible VGA card and drivers”** appears.

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

If you do not see this message, see below.

## Step 7: WinTV Software installation



After the DirectDraw check completes, **WinTV Setup** will be run.

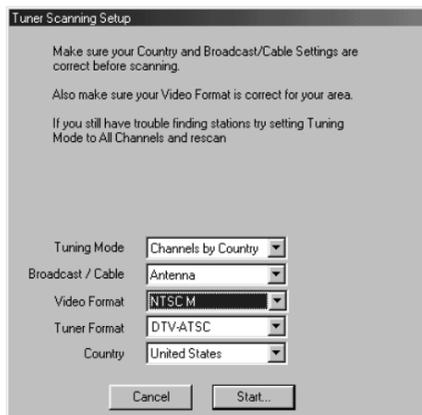
To use the remote control, make sure **Install the Hauppauge IR Remote Control Application** is checked.

Click **Install** to install the **WinTV2000** and **WinTV-Snapshot** applications.

After the Setup program is complete, you will see a WinTV2000 icon on your Windows desktop. To run the WinTV2000 application, double click on the WinTV2000 icon. After rebooting your PC, the Remote Control will

be enabled.

## Step 8: The new WinTV2000 application



### Scanning for channels

When running WinTV2000 for the first time, you will need to scan for your TV channels. The WinTV-D board has two coax video connectors: a **Digital TV antenna connector** and a **cable TV connector**. You will need to scan for TV channels on each connector.

When scanning the **Digital TV antenna**, set the **Tuner Format** to **DTV-ATSC**. Make sure the **Broadcast** entry is set to **Antenna**.

When scanning the **cable TV connector**, set the **Tuner Format** to **MN**. Make sure the **Broadcast** entry is set to **CableTV**.

### Setting up the channels

After you have scanned for channels, you can add the channel names. To do this, click on the **Suite** button on WinTV2000, or click on **Configure/Channels/Suite-Manager** on the WinTV32 application.

Then double click on **Input Sources**.

Chose Tuner for the **Digital TV antenna**, or Tuner2 for **cable TV**. Click on the desired channel, then click on **Edit**. Change the **ChannelName** to the name of the station. Then click **OK**.

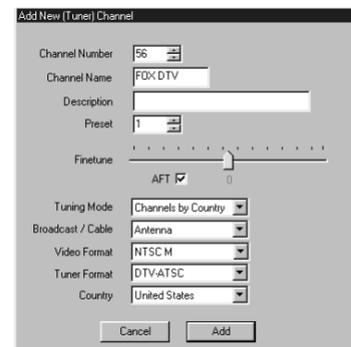
## Step 9: Tuning Digital TV channels

Digital TV is broadcast over the airwaves. To receive Digital TV, a rooftop antenna is recommended in most areas of the U.S. In cities, a bowtie antenna can often be used if positioned near a window facing the Digital TV broadcaster.

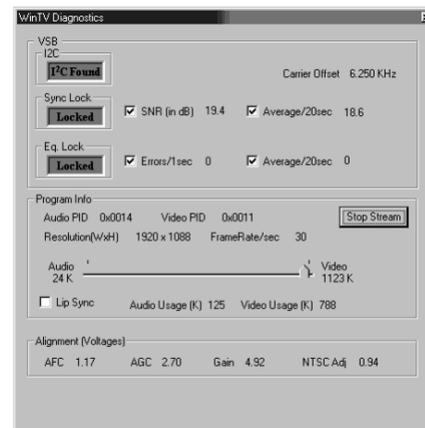
Since Digital TV is broadcast over the air, it is necessary to position the antenna to point at the Digital TV transmitter. We have included a utility in the WinTV application to help position the TV antenna.

To position the Digital TV antenna, do the following:

- Use the supplied list of Digital TV stations to find a Digital TV channel which you know broadcasts in your area. For example, in Cleveland, WKYC broadcasts Digital TV on channel 2.
- Open the **Channel Suite Manager**. To do this, click on the **Suite** button on WinTV2000, or click on **Configure/Channels/SuiteManager** on the WinTV32 application. Then double click on **Input Sources**. Click on **Tuner** to see the **Digital TV antenna** configuration.
- Then click **Add**. Enter the Digital TV **Channel Number** (for example: 2 for WKYC in Cleveland) and the **Channel Name**. Make sure **Broadcast** is set to **Antenna**, and that **Tuner Format** is set to **DTV-ATSC**. Click **Add** and then **OK**.

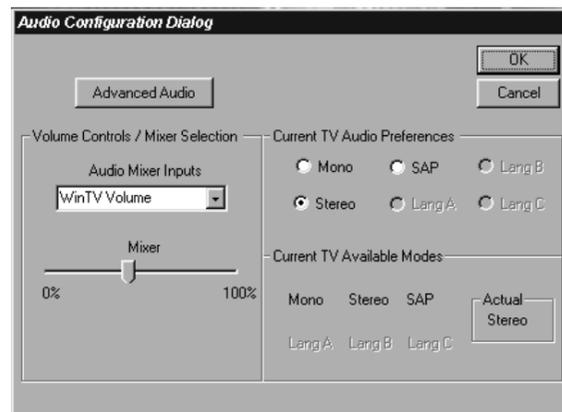


- Now, to get the diagnostics menu to help orient your Digital TV antenna, hold the **CTRL** button on your keyboard down while clicking the **right mouse button**. Keep the right mouse button depressed for a few seconds, and you'll see a menu pop up. Click on the last line, **Diagnostics**.



- Now slowly rotate your antenna until the **Sync Lock** and **E.q. Lock** lights turn green. This indicates that the DTV antenna is pointed to the DTV transmitter.

## Step 10: Configuring Surround Sound audio

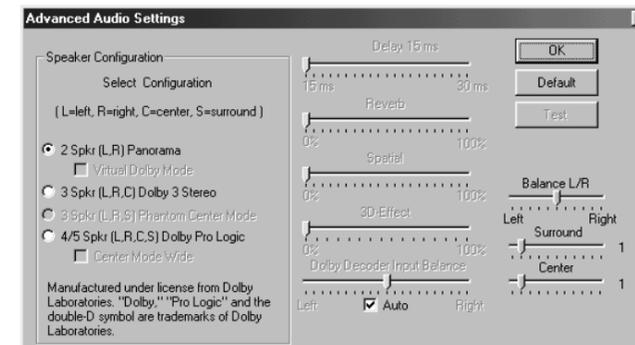


### Basic audio setup

To configure the WinTV-D audio for your speaker configuration, click on **Configure / Audio**.

Set **Audio Mixer Inputs** to **WinTV Volume**. You should hear sound from a TV channel. If you do not hear audio, refer to the next section: “Quick Troubleshooting Guide.”

Then click **Advanced Audio**.



### Configuring Surround sound

For a basic two speaker system, click on **2 Spkr (L,R)**. To get enhanced audio, click on **Virtual Dolby Mode**, then adjust the **3D-Effect**, **Reverb** and **Spatial** for pleasing results.

For a three speaker system, (connect per the instructions in **Step 3b**) click on **3 Spkr (L,R,C) Dolby 3 Stereo**.

For a 4 or 5 speaker system, click on **4/5 Spkr (L,R,C,S) Dolby Pro Logic**.

## Quick Troubleshooting Guide

**Note:** Our web site has information on installing the WinTV and software updates. Find installation tips at: [http://www.hauppauge.com/html/sw\\_wcst.htm](http://www.hauppauge.com/html/sw_wcst.htm). WinTV software updates can be found at: [http://www.hauppauge.com/html/98\\_sw.htm](http://www.hauppauge.com/html/98_sw.htm).

### - Incompatible motherboards

We recommend the use of a motherboard with an Intel chipset because some older motherboards do not fully support the WinTV .We have software updates on our web site which will fix incompatibilities found with several VIA and SIS-based motherboards. Please see [http://www.hauppauge.com/html/sw\\_wcst.htm](http://www.hauppauge.com/html/sw_wcst.htm) in the **Tips** section.

### - Poor image when running WinTV in 256-color mode

Many VGA's cannot run WinTV in 256-color mode. Instead, run in 16-bit or 24-bit color mode.

### - No TV audio from your PC's Left and Right speaker

Be sure your PC's audio mixer **LineIn** setting is not muted, and at a reasonable volume level. If the **LineIn** setting is not muted, you can verify that the WinTV card is working by connecting self-amplified speakers directly to the **A/V cable's** 1/8" miniplug. Use the supplied **Adapter** if necessary.

### - System lockups or error messages when running WinTV2000

Some VGA cards have memory conflicts with WinTV. To fix this, try switching PCI slots. Also, you can increase the memory range used by the WinTV board in **Device Manager**. To do this, look under **Sound, video and game controllers**, double click on the **Hauppauge video section**, click on **Resources**, unclick **Use Automatic settings** and double click on **Memory range**. In the **Edit memory range** dialog box, there are small up/down arrows next to **Value**. Click the little **up arrow** a couple of times. Make sure there are no conflicts. Then click **OK** and then **OK** again. When it says **Created a forced configuration**, click **Yes**. Then reboot your PC.

### - Poor TV Reception or Not detecting all channels:

Poor TV reception is generally the result of an insufficiently strong TV signal. When using a 'roof-top' antenna, an aerial booster may be required. If you find that some or all of the channels have not been detected, you can insert channels manually.