Hauppauge!

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 l Itilities

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 (vellow RCA).

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

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

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





Remote receiver 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 con**nector**. 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)

The black 1/8" minijack should be

WinTV-D Connectors

A/V cable

connector

Remote control -

receiver plug

Audio Input



(left/white)

Remote receiver

speaker sound.

er or satellite TV receiver.

Remote Transmitter.

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



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.

O.

0

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).

2 (right/red)

plugged into the Lineln connector on

The yellow VideoIn RCA jack and the

the output of a VCR, camcorder, DVD play-

plugged into the the Remote control receiv-

er plug. Use the Velcro dot to position the Remote Receiver where it will be able to

Audio input can be used to connect to

The Remote Control receiver is

receive infra-red commands from the

your PC's sound card, for Left and Right



Click on Close



Check for the message "Your Haup pauge WinTV hardware and so ware drivers appear to have been installed and configured correctly". If not, refer to the Quicl Troubleshooting section.





Click Next.



4e. Click Finish.

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Step 4: Install the WinTV driver for Windows

Add New Hardware Wi

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

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

number files beir copied t your har disk driv

4d. You

will see

	Copying Files
ı a of	Source: D:\HCWCHAN.DLL Destination: C:\WINDDWS\SYSTEM\howChan.dll
ng	66%
o d	Cancel
e.	

Windows will search for new drivers in its driver databas on your hard drive, and in any of the following selected locations. Click Next to start the search.

< Back Next > Cancel

Floppy disk drives

Specify a location

4b. When you see the above dialog box,

insert the WinTV Windows Installa-

tion CD-ROM into your CD-ROM drive.

Select CD-ROM drive and click Next.

CD-ROM 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 5: System check

	R Hauppauge WinCast/TV System Inspection	×
on	WELCOME to the exciting world of Hauppauge WinCast/TV	
	INFORMATION	
)-	Your Hauppauge WinCast/TV hardware and software drivers appear to have been installed and configured correctly!	
ft-	RESOURCE ASSIGNMENTS	
	Windows has assigned Hauppauge WinCast/TV the following resources	
	IRQ:: 10 Memory:: 0x02010000 - 0x02010fff	
k	Visave Details To C'Unspect twi	 ▼
	1 6 16089 Close (and save details)	

After all files are copied, the Hauppauge WinTV System Inspectio

Step 6: DirectDraw check

Win/TV DirectDraw Inspection	×
GOOD NEWS! We detect a compatible VGA card and drivers.	
ADDITIONAL INFORMATION	
The Win/TV driver has detected a VGA driver with DirectDraw support.	-
TECHNICAL DETAILS	
Windows Version = 4.10.1998 WDM Driver Set Version 1.2.16160	
VFW Driver Set Version 2.0 (Both VFW and WDM drivers present)	
HCWTVWND Version = 1. 7.16210	
Display Driver Name appears to be: Trident 9685/9680/9682/9385/9382/9385-1 PCI	•
Save Details to C:\DDCheck.txt	
1.7.16202 Close (and save details)	

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

WinTV Setup	
WinTV VFW/98 Setup	Hauppauge!
Components	
Install DTV Driver Update (Model 39xxx)	
✓ Install the Hauppauge WinTV2000 application	
Install the Hauppauge Snapshot / win I VLap Software	
The model are mapping of the transferred between spectrum	
Description	
	Install
	Cancel

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

Funer Scanning Setup				
Make sure your Country and Broadcast/Cable Settings are correct before scanning.				
Also make sure y	Also make sure your Video Format is correct for your area.			
If you still have th Mode to All Chan	If you still have trouble finding stations try setting Tuning Mode to All Channels and rescan			
Tuning Mode	Channels by Country			
Broadcast / Cable	Antenna			
Video Format	NTSC M			
Tuner Format	DTV-ATSC			
Country	United States			
C	ancel Start			

Show Suites		Add Edit Delete	
Channel Name	Channel	Description	▲
🗹 📓 WCBS-DT	56		
🗹 🖩 WNYW-DT	44		
🗹 📕 Ant-4	4		
💌 📓 wliw	21		
🗹 🗒 Ant-5	5		
🗹 📕 Ant-7	7		
🗹 📓 Ant-9	9		
🗹 🖩 Ant-11	11		
🗹 📓 WCBS	2		
🗹 📕 Ant-13	13		
🗹 📓 Ant-25	25		
🗹 🛢 Ant-31	31		
🗹 📱 Composite	201		•
Auto Scan		All Channels: WCBS-DT	OK

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/SuiteManager 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 t 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 Broadca is set to Antenna. and that Tuner Format is to DTV-ATSC. Click Add and then OK.

the	Preset	1 -
t V	Finetune	AFT 🔽 0
	Tuning Mode	Channels by Country
	Broadcast / Cable	Antenna
	Video Format	NTSC M
I)	Tuner Format	DTV-ATSC
st	Country	United States
set		Cancel Add

56 🕂

Channel Name FOX DTV

Now, to get the diagnostics menu to help orient your Digital TV antenna, hold the CTRL button on your keyboard down while clicking the ri

/inTV Diagnostics
VSB -12C IPC Found Carrier Offset 6.250 KHz
Sync Lock
Eq. Lock Locked F Errors/1sec 0 F Average/20sec 0
Program Info
Audio PID 0x0014 Video PID 0x0011 Stop Stream
Resolution(WxH) 1920 x 1088 FrameRate/sec 30
Audio \
Lip Sync Audio Usage (K) 125 Video Usage (K) 788
Alignment (Voltages)
AFC 1.17 AGC 2.70 Giain 4.92 NTSC Adj 0.94

Audio Configuration Dialog

Advanced Audio

Best Fit (Aspect Ratio)
✓ Program 1 (WCBS) < <apid=0x0034>> <<vpid=0x< p=""></vpid=0x<></apid=0x0034>
Select Channel Select Suite
File
Display
Options Configure
⊻iew
Help
Diagnostics
a menu pop up. Click on

the and yo last line, **Diagnostics**.

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

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

Basic audio setup

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.

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.

Volume Controls / Mixer Selection Current TV Audio Preferences O Lang 🔿 Mono 🛛 🔿 SAP -Audio Mixer Inputs WinTV Volume -• Stereo C Lang A O Langi Current TV Available Modes 100% Mono Stereo SAP -Actual Stereo

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Step 10: Configuring Surround Sound audio

OK

Cancel

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. WinTV software updates can be found at: http://www.hauppauge.com/html/98 sw.htm.



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

- 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 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 **Creat**ed a forced configuration, click Yes. Then reboot your PC.

- Poor TV Reception or Not detecting all channels: