Note: your computer must be restarted for the changes to take effect.

Installing the IR blaster hardware

The IR RemoteBlaster for WinTV consists of four components:
1. The Hauppauge remote control, which sends infrared signals to the IR Receiver.
2. IR RemoteBlaster cable, which is plugged into the WinTV card. This cable has an IR cable jack and two ends: a IR receiver and an IR transmitter. The IR transmitter has a thin wire and is at the end of the longer “leg” of the cable.
3. IR32 application, a program which runs in the Windows device tray and interprets signals received by the IR receiver.
4. IR Blaster Config program, for configuring the IR transmitter.

Note: if you are NOT using a set top box, you do not need to use the IR transmitter (blaster) end of the IR RemoteBlaster cable.

Note: you can only use the Hauppauge remote control or a certified Windows Media Center remote control with IR RemoteBlaster. The IR Receiver does not respond to remote control transmitters from other devices like a TV set or VCR.

Note: Before installing the IR Remote Blaster cable, install the WinTV board plus driver and application software from the WinTV Installation CD ROM. Make sure that the WinTV application works properly when using your mouse or keyboard.

During the installation of the WinTV software from the WinTV Installation CD-ROM, the Hauppauge WinTV IR and IR Blaster Applications will be automatically installed. You will be asked during the IR software installation to acknowledge a software license. You can manually install the Hauppauge WinTV IR and IR Blaster applications from the Installation CD by running irblast.exe from the IR32 directory of your Hauppauge Installation CD-ROM.

When Windows is booted, the IR32 application is automatically run and you will notice a small IR icon in your system device tray. You can reset the IR application by running RestartIR from the Hauppauge WinTV folder.

Step 1: Plug the IR RemoteBlaster cable into your WinTV product

Plug the IR RemoteBlaster cable into the IR receiver jack on your WinTV product.

Note: be sure the IR Cable jack is well seated in the WinTV board. You might need to wiggle the WinTV board and/or the IR RemoteBlaster cable to get it firmly seated. If it is not well seated, the WinTV application will not respond to commands from the Hauppauge remote control.

Step 2: Position the IR receiver

Place the IR Receiver from the IR RemoteBlaster cable so that the light beam from the Hauppauge remote control can hit it. On the WinTV-HVR-1950, the IR receiver is built into the front of the case.
Step 3: Check the function of Hauppauge Remote for WinTV

Point the Hauppauge remote at the IR receiver and click the Go button. You should see the WinTV open.

Note: If you click the Go button and the WinTV does not open, wiggle the WinTV board and/or the IR RemoteBlaster jack to get the jack firmly seated. If it is not well seated, the WinTV application will not respond to commands from the Hauppauge remote control. Also, make sure you have installed batteries in the Hauppauge remote.

Step 4: Position the IR transmitter (blaster) at your set top box

Note: The next steps (4 through 7) are optional and only required if you want WinTV to control the TV channels on a satellite or cable TV set top box through WinTV’s IR transmitter (blaster).

Attach the end of the IR transmitter over the remote sensor on the set top box to be controlled.

Placement of the IR transmitter is important! The IR transmitter only works over a 2 inch distance, so you need to make sure it is placed over the remote sensor in your set top box. Some set top boxes have the position of the remote receiver indicated on the plastic front of the set top box. With others, you might need to look carefully at the set top box for what looks like a round or square area underneath the plastic front panel.

There is double sided tape on the back of the IR transmitter to hold it in place over the remote sensor in your set top box.

Step 5: Connect the set top box's audio/video outputs to the WinTV

This is the same as connecting a set top box to a TV set: choose either composite video, S-Video or TV tuner as the way to connect from the set top box to WinTV. Some set top boxes send video via channel 3 or 4, others have composite or S-Video outputs. Chose one method and make the necessary audio/video connections from your set top box to WinTV.

Step 6: Configure the video source in the WinTV v7 application

After you make the video connection from your set top box to WinTV in step 5, you need to tell WinTV where the audio/video from your set top box is coming from. Many set top boxes use a channel 3 or channel 4 output via an RF output connector. Other boxes use S-Video or Composite video for output. In either case, you need to tell WinTV where the video will be coming from.

To configure blaster channels, in WinTV v7 click on the Settings button and go to Devices tab. Highlight your Hauppauge TV tuner device and click Tuner setup. You will see the Device Setup Wizard with your WinTV device specified.

Put a check in Analog TV via set top box.

Click Next.

Then choose the connection you are using: S-video, composite or tuner (if tuner, choose the channel the box is tuned to).

Check the box Use IR Blaster to control STB.

Click Next.

Now, you need to add your set top box TV channels to the WinTV channel list.

If you are in the U.S., there is a Internet based list of channels which is available in some areas. To use the Internet list of channels, see the section entitled “Automatic mapping of your set top box channel names to the IR blaster (U.S. only)”. If you cannot use the Internet list of channels, you need to enter each channel you want the IR blaster to tune to. To manually add these channels, enter the TV channel number and name (optional) and click Add. You must repeat this process for all TV channels you wish to receive through your set top box.

When finished, click Next. You will now have a list of set top box channels WinTV can automatically tune to. When you want WinTV v7 to tune to a channel which is in the Channel list, your Hauppauge TV tuner will send a sequence of IR ‘blinks’ to your set top box, causing it to change channels.

Blaster Configuration:
Configure the IR Blaster for your set top box

If you are using a HD PVR 2 model 1512, Colossus, WinTV-HVR-1600 or the WinTV-HVR-1950, there is a list of set top boxes which the IR Blaster is pre-configured to control. See the section “Using the pre-configured list of set top boxes”. If you cannot find your set top box in the pre-configured list, follow the Learn Mode instructions in this section.

If you are using the WinTV-HVR-1850 or the WinTV-HVR-2250, or you have a set top box which the Blaster Config program does not know about, you must use the Learn Mode for the IR Blaster.

Run the Blaster Configuration program

Run the BlastCFG program from Start / Programs / Hauppauge WinTV

Learn mode: learning the remote control codes for your set top box

The WinTV v7 application can “learn” new remote control codes for most cable TV and satellite TV set top boxes. To access the learn function, in the Blaster Configuration
program, click on Advanced Config and then Learning. You will need to ‘learn’ the 0 through 9 keys, plus Power on and Enter.

Note: You will need the remote control from your set top box to complete the configuration in this section.

Note: This procedure is only necessary if you are using WinTV v7. If you are using Windows Media Center, it will configure the IR blaster as part of the Media Center setup.

To learn your set top box remote control:

- **Hold the remote control from your set top box as close to the IR receiver and learn sensor as possible.** If you do not hold your remote control close enough to the learn sensor, you will not get accurate results.

- **In the Blaster Configuration program,** click the Key Number you would like to learn (for example: 1).

- **Then depress and hold the corresponding key on your set top box remote control.** You will be instructed in the message box when to release the key on your remote control.

- **Do this for the keys 0 to 9 plus On and Enter.**

You should receive a LearnKey(key#) Succeeded message. Then move on to the next key.

If you receive a LearnKey(key#) Failed error, this means that the key was either held down too long, or not long enough, or that the remote was not held close enough to the IR sensor. Try again.

Once you are finished with the numbers 0 to 9 and On and Enter, you can test the learning by clicking the Send button in the Blaster Configuration program. It will send the numbers 123 to your set top box. Your set top box should now be on channel 123.

Close the Blaster Configuration program to save the configuration.

### Using the pre-configured list of set top boxes

*(Colossus, WinTV-HVR-1600 and WinTV-HVR-1950 only)*

Like universal remote controls, the Hauppauge IR RemoteBlaster has a list of common set top boxes which it can control. And like universal remote controls, you must test various codes from the list to see which one applies to your specific set top box. Here is how to do this.

1. Run the BlastCFG program from Start / Programs / Hauppauge WinTV.
Automatic mapping of your cable TV or satellite set top box channel numbers for the IR blaster (U.S. only)

You can use our Internet based channel lookup to map your set top box channels automatically. To do this, open the Analog STB Setup menu by clicking the **Configuration menu** (Gear button in the lower left corner of WinTV v7).

Then click on the **Devices tab**. Choose your **WinTV device by clicking on it**, then click **Tuner setup**.

Put a check mark where it says ‘**Analog TV via set top box**’ and then click **Next**.

In the **Analog STB Setup menu**, select **Internet Lookup (USA only)**.

Input your **ZIP code** and press **Next**.

The program will list all of the set top box providers for the selected code. Choose your TV provider and click **Next** to populate the channel lineup.

You can then go through and remove any channels if necessary. To remove a channel, click once on the channel, then click **your Right mouse button** and click **Delete**.

Click **Next** and then **Next** again to finish the IR blaster STB setup.