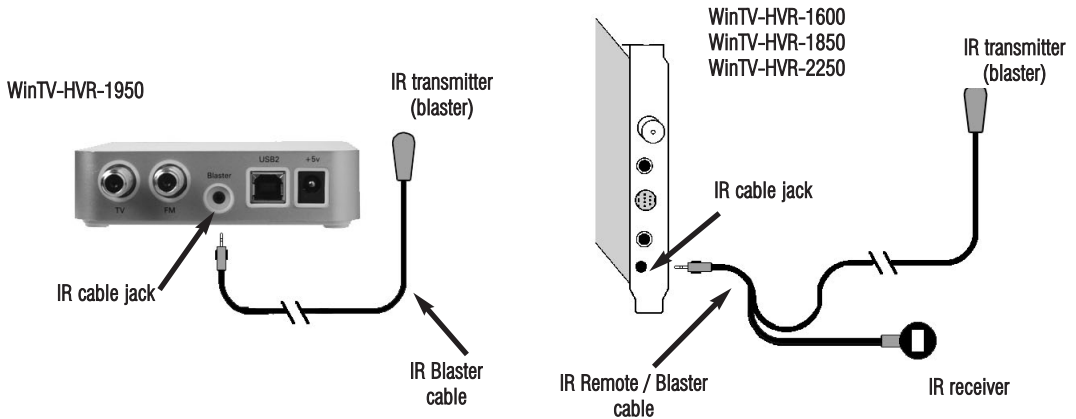


IR RemoteBlaster

Quick Installation Guide

for WinTV v7



The **IR RemoteBlaster** lets the Hauppauge WinTV application change the channel on a satellite or cable TV set top box by transmitting 'channel change' commands to the box via an Infra Red (IR) transmitter.

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 Remote Blaster 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: Install 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: chose 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 your set top box output 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, click on the **Settings but-**



ton 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 manually add your set top box TV channels to the WinTV channel list. 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.

Step 7: Configure the IR transmitter to control your set top box

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.

7a. Run the **BlastCFG** program from **Start / Programs / Hauppauge WinTV**.

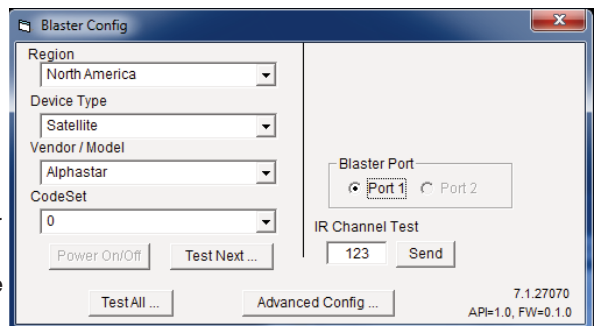
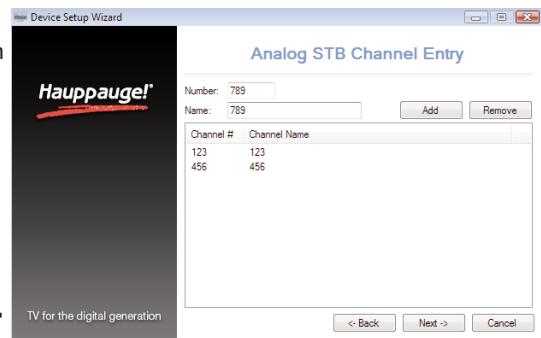
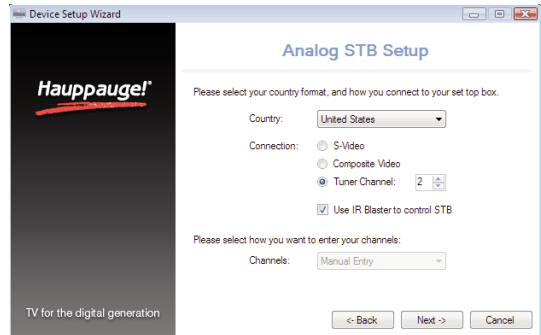
Note: if some of the controls are greyed out, it means the **IRRemote Blaster hardware is not found on your WinTV**. Make sure the **IR RemoteBlaster cable is firmly plugged in**.

7b. Select your **Region**. Chose either **Europe** or **North America**. There is a special region for **Hauppauge** if you want to control Hauppauge DEC boxes.

7c. Select the **Device** (cable or satellite), then **Vendor/Model** of your set top box.

The **CodeSet** will contain a list of codes which IRRemoteBlaster knows about the selected Vendor. There might be as many as ten codes for the Vendor chosen.

Click the **Power On/Off** button. **You should see the IR transmitter blink after each click of**



the Power On/Off button.

If your set top box turns on or off, then this code is the correct one for your set top box. If not, click **Test Next**. Continue to click **Test Next** until your set top box turns on or off, at which time you have found the correct code.

If you cannot find a code which works with your set top box:

- First make sure the IR transmitter is positioned over the remote sensor on your set top box. Remember, the IR transmitter has a very short distance and needs to be positioned over the remote sensor on your set top box.
- Next, click the **Test All** button. This button will go through all of the codes in our database of set top boxes (over 200 devices at present). After clicking **Test All**, watch your set top box. If it goes on or off, **immediately click Stop Test**. You have found the correct code for your set top box. If your set top box does not turn on or off even after going through all the codes, then either the IR transmitter is not positioned correctly or your box is not supported. See the next section **Learning the remote control codes**.

7d. Once you have determined the **Code**, click **Next** to go to the **IR Channel Test** menu. You can click the **Send** button to send a number sequence to your set top box. If your set top box is on, you should see **1 2 3** appear on the channel indicator of your set top box.

Learning the remote control codes in WinTV v7 for your set top box

Some cable TV or satellite set top boxes cannot be selected with the standard setup as listed in step 7. If so, the WinTV v7 application can “learn” new remote control codes.

To access the learn function, click on **Advanced Config**. 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 the new keys:

- **hold the remote control from your set top box** as close to the IR receiver and learn sensor as possible
- **in the Blaster Configuration program**, click the button 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.

