WinTV Extend
Stream live TV over WiFi or the Internet

Quick Installation Guide
©2010-2011 Hauppauge Computer Works, Inc.
WinTV Extend v2 Quick Installation Guide
June 2, 2011
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1. Overview
WinTV Extend is an Internet streaming service that is part of the WinTV v7 application. WinTV Extend makes a connection with a remote device such as an iPad or iPhone, takes the live video from WinTV v7, formats it and then transmits it over the Internet to the remote device.

Currently, WinTV Extend supports the following devices:
- iPad, iPhone and iPod touch
- Mac
- Some Windows based PCs with Windows Internet Explorer and Flash

WinTV Extend can be used to watch TV on the PC screen.

How does WinTV Extend work
To send live TV from a WinTV-HVR TV tuner over the Internet to a remote device, such as an iPad or iPhone, the WinTV v7.2 software has a built in component called ‘WinTV Extend’. To connect to WinTV Extend from outside the home over the Internet, on your iPad or other Apple device, open the Safari browser and enter this address:

http://68.195.226.130:7799

WinTV Extend looks for a TV tuner in your home that has WinTV Extend. WinTV Extend ‘listens’ for a TV channel that is ready to be transmitted. This sender of a TV channel is a device containing a WinTV-HVR inside the PC that is in your home.

Note: if you want to watch TV over the Internet with WinTV Extend, you need to open a Port on your router for WinTV Extend. See the section below called Opening a Port on Your Router for more information.

2. Viewing TV on your iPad, iPhone, iPod, PC or other remote device
On your iPad, iPhone, iPod, or PC, you can use the WinTV Extend application which can be downloaded from the Apple App store. On a PC, open any Internet browser.

Type in the address of your WinTV Extend in your home as determined in Step 3 above. For example, type:

http://172.16.1.7:7799

Once you have made a connection to WinTV Extend, you will see the WinTV Extend main screen. On your iPad, you will see:

Watching TV on your iPad, iPhone, iPod, or other remote device
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Opening a Port on Your Router
In order for WinTV Extend to establish an Internet connection from a remote device such as an iPad or iPod, there needs to be an open Port on your Internet router.

Each Internet router is different, but they all have settings which allow a user to specify a Port number to open and a local Internet address to assign this port to. We have a few router examples below from D-Link and Netgear running.

In most routers, the setting of the Port is done in an Advanced menu. With this example using a D-Link router, click on the Advanced tab:

Data rate configuration
You can adjust the data rate used for the transmission of video. On your remote device click the Configuration button and you will see a list of possible data rates. For most 3G connections, you should keep the Internet bitrate set at 128kbps. For a 3G network, you can choose a Local bitrate of 1024kbps or higher.

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D-Link DIR-825 Router

After you log in to the router, click the Advanced tab.

In the Advanced tab, click on Virtual Server.

In the spot for IP Address, enter the IP address of the PC which is running WinTV Extend. This address can be found next to From your home WiFi connection in Step 4 above. In this example, the local Internet address is: 192.168.0.193

Set your selected Port (WinTV Extend uses port 7799 as the default), then click Save Settings.

Netgear WN824v2 router

The Netgear router can often be configured through uPnP. WinTV Extend can use uPnP to configure the Port you have set in Configuring WinTV Extend (above). Once you have configured WinTV Extend, open the Netgear router setup and click on the uPnP button on the left and then click Turn uPnP on. Once this is done, go back to the WinTV Extend tab in WinTV v7.2 and click the Test Remote Connection button.

If you get the green Remote Test Connection succeeded message, then you are good to go! If you get a red Connection Test failed message, you will need to manually configure your Netgear router to open Port 7799.

Manually configuring the Netgear WN824v2 router

The configuration of the Ports in the Netgear router is done in the Port forwarding / Port triggering menu.

Once you are in the Port forwarding menu, click the Port forwarding button then click Add Custom Service.

In Ports - Custom Services:
- the Starting and Ending Port (the default is 7799 and they should both be the same since WinTV Extend only uses one port)
- the Server IP address (the local IP address of your PC which is running WinTV Extend).
- Service Type should be TCPIP.
- You can also set the Service Name to WinTV Extend.

Then click Apply.

You will now see WinTV Extend listed in the list of Services which has Port Forwarding supported by your router.

The port being opened on the PC is: 7799

Therefore, the complete local address of this PC is: http://192.168.0.69:7799

When you have finished setting the Port for WinTV Extend, you will see it listed with the other open ports on your PC (ports 80 and 443 are needed for all web browsers like Firefox or Internet Explorer).