

HD PVR 2 models 1512, 1514 and 1507

Quick Installation Guide

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Included with HD PVR 2

Included with HD PVR 2 models 1512, 1507 and 1514:

- HD PVR 2 recorder with optical audio: H.264 high definition video recorder, USB 2.0/3.0, SPDIF input
- HDMI cable
- Hauppauge A/V adapter for Component video
- Component Video cable set to connect to your set top box
- IR blaster cable to control the channels on your set top box
- USB 2.0 cable
- 6v 1.66 amp Power Supply
- Hauppauge Capture (download)
- WinTV v8 application (download)
- WinTV v8 Activation Code (printed on a card)

Step 3: Connect the HD PVR 2 audio and video cables

3a - Component Video connection (also called YPrPb or YCrCb)

If you are using a cable or satellite set top box, you can use Component video to record (HDMI might or might not be able to record, depending upon your TV provider). The **Component Video cable set** (supplied) has **Red/Green/Blue video** and **White/Red audio** connectors at the end. Plug these colored cables into the corresponding Green/Blue/Red (video) and White/Red (audio) RCA connectors of the Hauppauge A/V adapter.

Plug the **Hauppauge A/V adapter** into the **AV In** connector on the back of the HD PVR 2.

Plug the other end of the **Component Video cable set** into the YPrPb or Component video output of your set top box (Red/Green/Blue connectors). Now connect the Red and White audio connectors.

3b - HDMI connection

Connect your PC or game console to HD PVR 2 using HDMI. Plug the HDMI cable (supplied) into the HDMI out of your PC's graphics card or your game console into the HDMI in on the HD PVR 2.

Note: when recording from a PC system, the graphics mode must be set to 1080p, 720p or 480p at 50 or 60Hz. Please see this page for setting up the video and audio on a PC gaming system: www.hauppauge.com/pcsetup

Step 4: Install the HD PVR 2 Windows driver and applications

There are two applications provided with the HD PVR 2: Hauppauge Capture and WinTV v8.

- Hauppauge Capture is used to record, trim, upload and stream your HD video.
- WinTV v8 allows you to watch HD video in a window (or full screen) on your PC screen. You can also record a video manually or set up a scheduled automatic recording in high definition from a cable or satellite TV box.

Overview

The Hauppauge HD PVR 2 models 1512, 1514 and 1507 record video in HD from a cable or satellite set top box, PC or video game console. There are two video recording applications which come with HD PVR 2:

- **WinTV v8** is used to schedule TV recordings from a set top box. You can also use WinTV v8 to watch HD TV in a window or full screen on your PC.
- **Hauppauge Capture** was designed to record video from game consoles and has a convenient one-click upload to YouTube plus includes Hauppauge's StreamEez to stream on Twitch and YouTube.

The software which comes with HD PVR 2 only runs on Windows PCs, but there are third party applications which run on the Mac. Please see our website for more information.

HD PVR 2 recordings are made onto a computer's hard drive in a compressed H.264 format. It records from HDMI or Component Video (also called YPrPb). You can also record S-Video or composite video using and optional A/V cable (you can purchase this on the Hauppauge Webstore). It will record at 1080p30, 720p or 480p at datarates from 1Mbit/sec up to 13.5Mbits/sec.

Note: if you are recording from a cable or satellite box, it is recommended that you use Component Video. Many cable and satellite set top boxes (though not all) do not allow recording from the HDMI port.

Audio can be supplied to the HD PVR 2 from stereo audio connectors on the Hauppauge AV cable, optical audio cable or HDMI. Audio can be recorded through HDMI and optical audio as surround sound (AC3) if your video source includes surround sound audio.

There are two types of HD PVR 2 record formats:

- **TS:** this is a native H.264 format used by WinTV v8 and Hauppauge Capture. TS files are often used to burn Blu-ray discs. The TS files recorded with the HD PVR 2 can be edited

For more information, please see the Hauppauge HD PVR 2 support page: http://www.hauppauge.com/pages/support/support_hdpvr2.html

4a - Download and install Hauppauge Capture

You can find Hauppauge Capture at: www.hauppauge.com/capture
Hauppauge Capture is normally downloaded to your Downloads directory. It will be called **hauppaugecapture_1_1_zzzzz.exe** where zzzzz is the version number.

Run this file to start the installation.

4b - Download and install WinTV v8 application

The WinTV v8 application includes a TV scheduler which allows you to record TV programs from a cable or satellite set top box.

You will need the WinTV v8 Activation Code during the installation. You should find this code printed on the Activation Code insert card inside the HD PVR 2 model 1512 box.

Once complete, you will be asked to restart. Please do so.

Using WinTV v8 to watch and record TV programs from your set top box

Please go to our Internet website for instructions on the setup and use of the WinTV v8 application: www.hauppauge.com/wintv8

Using Hauppauge Capture

After restarting your PC, you will see the Hauppauge Capture icon on your Windows desktop. Click this icon to start Hauppauge Capture.

For more information on Hauppauge Capture, how-to videos and the latest version of Hauppauge Capture, please look here: www.hauppauge.com/capture

with Sony Vegas (all versions).

- **MP4:** this is similar to the TS file but has an index at the beginning of the file. In the Edit tab of Hauppauge Capture, click 'Export to MP4' to create an MP4 file without losing video quality.

Installing the HD PVR 2

Step 1: Boot into Windows on your PC

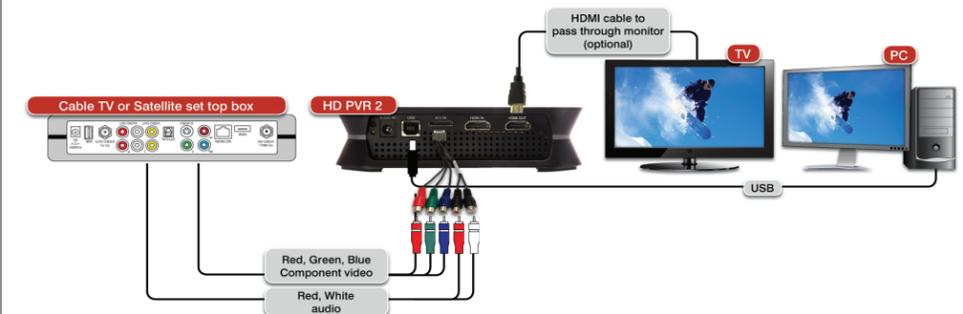
HD PVR 2 works with laptops or desktop PCs with Windows 10, 8 and 7.

Step 2: Plug the power supply and USB cable into HD PVR 2

After your PC has booted to Windows, plug the supplied Power Supply into the Power input on HD PVR 2. The power supply is 6V @ 1.66A.

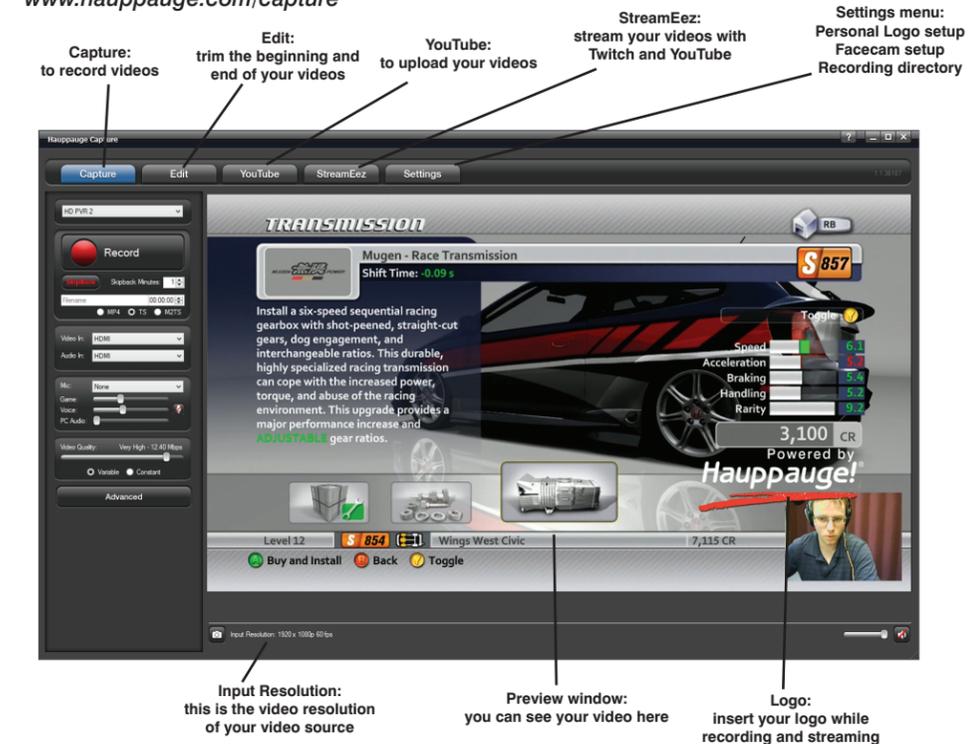
Note: you will not see video on your PC screen or on your TV set until you install the Hauppauge Capture application.

USB connection: Plug one end of the supplied USB cable into the HD PVR 2's USB cable connector. Plug the other end into your PC's USB 2.0 and USB 3.0 port.



Using Hauppauge Capture

After restarting your PC, you will see the Hauppauge Capture icon on your Windows desktop. Click this icon to start Hauppauge Capture. For more information on Hauppauge Capture, how-to videos and the latest version of Hauppauge Capture, please look here: www.hauppauge.com/capture



Capture tab



- Start/Stop recording:**
You can also use the record button on top of the HD PVR 2 to start or stop recordings)
- Name of your recording:**
A name consisting of date and time will automatically be created. But you can enter your own name here.
- Timed recording:**
If you would like to have your recording made for a certain time (example: 60 minutes), set this to the time. If you leave this at 00:00:00, then you will set manually start/stop the recording.
- Video and Audio sources:**
For cable or satellite TV box, change Video input to Component. Set Audio input to either Line in or SPDIF. For a PC or game console, set for HDMI.
- Microphone input:**
If you want to record an audio track (example: game commentary), set the microphone source here.
- Audio volume:**
Set the audio volume of your main audio source (Game), your microphone and your PC audio here. To disable PC audio, turn this all the way to the LEFT (this is 0 volume).

Video Quality:
This is where you set the bit rate of your recordings. The higher the bitrate, the better your video quality will be but the more disk storage your recordings will consume. For recording with the HD PVR 2, we recommend 'Variable'

Advanced menu:
This is where you can set the video scaler (converts your video from its original format to another format), color controls and audio settings.

Edit tab

The Edit tab uses a fast cut and trim, which is very fast and preserves the video quality of your recording



File selector:
Your most recent recording will be at the top of the list. You can also choose any other recording.

Export to MP4:
Some video editors need an MP4 file. When you are finished trimming your videos, click this button and your video will be converted to MP4 without any loss in video quality.

Play and pause your video:
You can start or pause your videos with this button

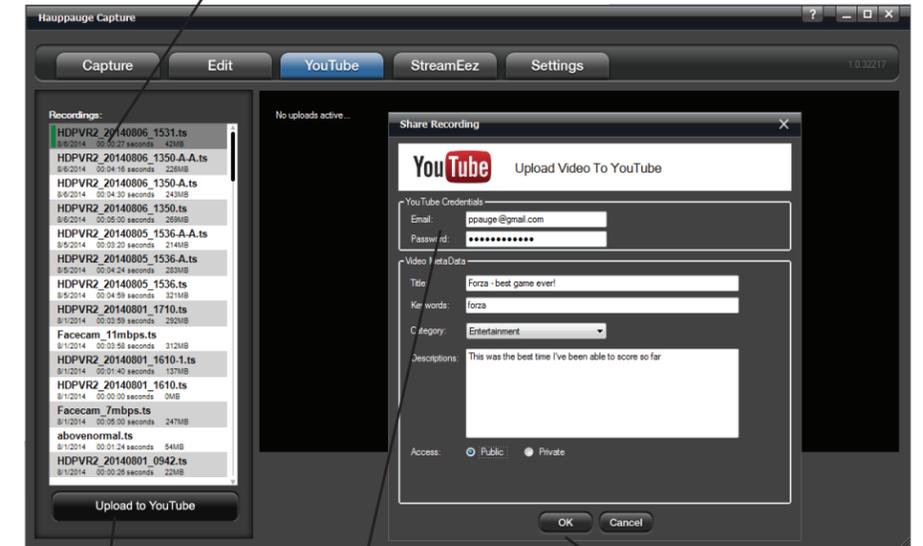
Cut from the LEFT:
When you click this button, you will delete all of the video to the LEFT of the Video Mark.

Video Mark:
This shows you the current position in your recording of the video you see in the preview window

Cut from the RIGHT:
When you click this button, you will delete all of the video to the RIGHT of the Video Mark.

YouTube tab

The YouTube allows you to enter your YouTube credentials and quickly upload your video recordings to your YouTube channel.



File selector:
Your most recent recording will be at the top of the list. You can also choose any other recording.

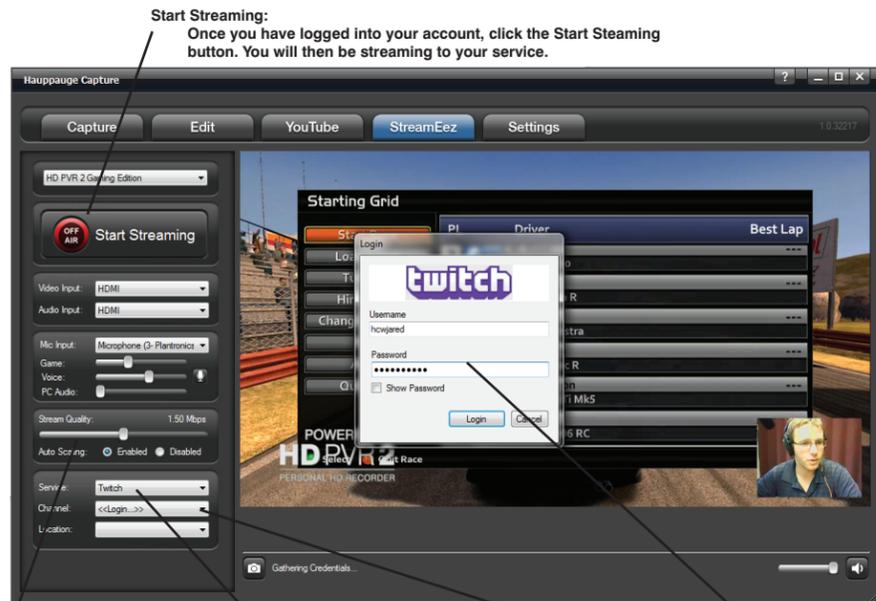
Upload to YouTube:
After you have trimmed your videos, click here to upload them to YouTube.

Enter your YouTube credentials:
Enter your user name and password. Note: if you have multiple YouTube accounts linked to one user name and password, you cannot use this function to upload to YouTube. You will need to manually upload using a web browser. Your videos can be found in the MyVideos folder on your PC.

Enter the Title, Keywords and Description:
This is the minimum information required by YouTube to upload your videos. Then click OK.

StreamEez tab

Live stream with your logos and microphone commentary on Twitch and YouTube.



Start Streaming:
Once you have logged into your account, click the Start Streaming button. You will then be streaming to your service.

First, set your streaming quality:
We recommend starting at 1.5Mbps and checking to see if your stream looks good. If it is, then your Internet connection is good and you can increase the Quality to 2.0Mbps or more.

Select your streaming service:
You can stream with Twitch or YouTube. You can also add your commentary by selecting your microphone in the 'Mic input' box above. For more information on YouTube streaming setup, go here: www.hauppauge.com/youtube

Click <Login>:
Once you have selected your service, click here and the Login box will open. If you are using Twitch, you can also choose your Ingest server in the Location box.

Login box:
This is where you enter your user name and password. Once you have entered this information, you will see "Gathering credentials" as we try to log onto your account.

Troubleshooting

What do the lights on front of HD PVR 2 mean?

- Blue light:** When HD PVR 2 is powered on and the Windows driver is running, the blue light is on. If the blue light is blinking, the HD PVR 2 is not 'seen' by your PC. Check the USB cable!
- Yellow light is on after you start Hauppauge Capture:** this is good and means HD PVR 2 detects video and you are ready to record. If you do not have a yellow light, then your video source is not being 'seen' by the HD PVR 2. If you are recording from a PC gaming system, make sure your graphics card is set to 1080p60 or 720p and the refresh rate is 60Hz. Otherwise, make sure you have set the correct Video and Audio Input.
- Blue record ring:** indicates that HD PVR 2 is recording or streaming video.
- Red light:** this means the video encoder inside HD PVR 2 cannot send data to your PC. There are a number of reasons this could happen. If your PC is running slowly and cannot get data from HD PVR 2 quickly enough, the red light might go on for a few seconds until the PC can accept data. Change to another USB port on your PC, then power down HD PVR 2, wait a few seconds and power up again. If you continue to see the Red light while recording and have checked your cabling, contact Hauppauge technical support.

No video in the Hauppauge Capture preview window:

Step 1: Make sure HD PVR 2 is listed in the Capture tab. If not, then please check your USB cables and make sure the blue light is on on the front of HD PVR 2. If you cannot see HD PVR 2 listed, reinstall Hauppauge Capture. Power cycle the HD PVR 2 and reboot your PC after re-installing the drivers.

Step 2: Check the video mode of your console. It must be set at either 1080p60 or 720p. If you are using a PC game system, check our website at: www.hauppauge.com/pcsetup

Step 3: Check your cables. Remove each cable and make sure it's firmly reseated into each device you are using. If using HDMI cables, try swapping the HDMI cables.

Step 4: Check the Video input setting. If the Video input setting is wrong, you will get a black preview window. Set Video input to Component video for a cable or satellite box and HDMI for all other devices. Is the yellow light on on the front of HD PVR 2? If the yellow light is not on, then either you have the wrong Video input source set or your game console is not turned on.

Step 5: If using HDMI, verify your source device does not use HDCP copy protection. If your video source has HDCP copy protection, you will see a black screen.

Step 6: If the yellow light is on the front of HD PVR 2 and you still see a black preview window, try recording some video. If you can successfully playback a recording but you cannot see live video in the Preview window, enable hardware acceleration (select "hardware acceleration" in the Settings menu in Hauppauge Capture).

If capture fails, it is likely something is wrong with the video input to HD PVR 2. This could be a broken or loose video cable or you plugged the cables into the wrong connector.

Pass through video problems

No video on my TV set

Open Hauppauge Capture and verify the correct Video input is selected. Video and audio input must be set initially for passthrough to work (if you power cycle the HD PVR 2, it may revert to its default setting and will need to be set again). Also, check the video mode on your PS3 or Xbox 360. The video mode should be 1080p or 720p.

No video on my TV set but I can see video in the Capture tab

Check that the HDMI cable from the HD PVR 2 (HDMI out) is connected to your TV monitor and the TV is set to the correct HDMI port if multiple are available on your TV. Try changing the output resolution from your game console. Some TV monitors may not support all HDMI output resolutions.

Wrong colors with Component Video

Check the Component video cable: unplug and replug the Red, Green and Blue video cables.