

## HDMI® over IP Extender - 1080p

IPUSB2HD3



\*actual product may vary from photos

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Manual Revision: 01/17/2017

## **FCC compliance statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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# Overview

## About this product

This HDMI over IP extender gives you two options to interface your computer with an HDMI display and 2-port USB peripheral set.

### In Ethernet mode: (Windows only)

You can connect an HDMI display and two USB peripherals to your network, creating a remote console that can interface with any Windows computer on your network. This mode enables you to extend or mirror the desktop of your Windows computer over long distances using your wireless or wired NIC.

### In USB mode: (Windows or Mac)

You can connect your computer to an HDMI display and two USB peripherals using a USB port on your computer. This mode enables you to extend or mirror the desktop of your computer over a short distance using your USB controller.

## Packaging contents

- 1 x HDMI over IP extender
- 1 x USB cable
- 1 x CAT5 cable
- 1 x universal power adapter (NA / EU / UK / AU)
- 1 x mounting bracket
- 1 x mounting screw kit
- 1 x rubber foot set
- 1 x quick start guide

## System requirements

- HDMI enabled display device with cabling
- Computer with:
  - Minimum CPU: Intel® or AMD® 2.4 GHz single core
  - Minimum RAM: 1GB
  - Microsoft® Windows® (32 or 64 bit) 10 , 8 or 8.1 , 7, Vista
  - or
  - (USB mode only)** Apple OSX El Capitan (10.11), Yosemite (10.10), Mavericks (10.9) Mountain Lion (10.8), Lion (10.7), Snow Leopard (10.6)

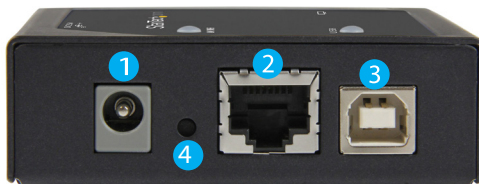
**System requirements are subject to change. For the latest requirements, please visit [www.startech.com/IPUSB2HD3](http://www.startech.com/IPUSB2HD3)**

## Front view



1. HDMI output port
2. USB 2.0 peripheral ports

## Rear view



1. Power adapter port
2. LAN port
3. USB host port
4. Factory reset button

# Software installation



To use the video adapter in USB mode, ensure the software installation steps have been completed **before you connect the adapter to your computer.**

## Software installation for Windows computers

**Note: you will need to restart your computer during the software installation process. Please be sure to save any unsaved material before you install the software.**

1. Download the latest software from the StarTech.com website:  
<http://www.startech.com/IPUSB2HD3>
2. The software will be compressed in a .zip folder. Extract the contents of the folder to a location on your computer that's easy to access, such as your **Desktop** or **Downloads** folder.
3. Once the files have been extracted, open the Windows folder, and launch the **Driver-Setup(.exe)** file, to install the DisplayLink drivers.
4. Follow the on-screen prompts to complete the installation steps and when instructed to do so, restart your computer.  
  
**Note:** If you're using the video adapter in USB mode only, the software installation steps have now been completed. Please proceed to **Hardware installation for USB mode.**
5. Once your computer has restarted, install the USB Server software to operate the video adapter in Ethernet mode. Reopen the **Windows** folder, followed by the **APP** folder, and launch the **Setup(.exe)** file.
6. Follow the on-screen prompts to complete the installation steps and when instructed to do so, restart your computer.
7. Once your computer has restarted, the software installation is complete.

## Software installation for Mac computers (USB mode only)

**Note:** you may need to restart your Mac during the software installation process, please be sure to save any unsaved material before you install the software.

1. Download the latest software from the StarTech.com website:  
<http://www.startech.com/IPUSB2HD3>
2. The software will be compressed in a .zip folder. Extract the contents of the folder to a location on your computer that's easily to access, such as your **Desktop**.
3. Once the files have been extracted, open the **MAC OS** folder, followed by the folder that corresponds with your version of Mac OSX, and launch the DisplayLink installer file.
4. Follow the on-screen prompts to complete the installation steps and when instructed to do so, restart your computer.
5. Once your computer has restarted, the software installation is complete.

## Hardware installation

### Hardware installation for USB mode

1. Connect an HDMI cable (not included) to the video adapter's HDMI output port to your HDMI display.
2. Connect the included power adapter to an AC power outlet and to the video adapter's power adapter port.
3. Connect the included USB cable to the video adapter's USB host port, to a USB port on the your computer system.
4. Your computer will automatically detect the USB drivers for the video adapter and install them.
5. (Optional) You can connect up to two USB devices to video adapter's USB 2.0 peripheral ports.  
**Note:** In order for your computer to recognize the USB peripherals that you've connected, the drivers for any connected USB device must be installed on your computer before you connect the USB peripherals to the video adapter.
6. Hardware installation for USB mode is now completed.

### Hardware installation for Ethernet mode

1. Connect an HDMI cable (not included) to the video adapter's HDMI output port to your HDMI display.

2. Connect the included power adapter to an AC power outlet and to the video adapter's power adapter port.
3. Connect the CAT5 cable (included) to the video adapter's LAN port and to an Ethernet port on your network, such as a router or NIC on your computer.
4. (Optional) You can connect up to two USB devices to the video adapter's USB 2.0 peripheral ports.  
**Note:** In order for your computer to recognize the USB peripherals that you've connected, the drivers for any connected USB device must be installed on your computer before you connect the USB peripherals to the video adapter.
5. Hardware installation for Ethernet mode is now completed.

## Basic configuration

### Basic configuration for Windows computers

#### USB mode

1. Click the DisplayLink icon that appears in your Windows system tray after you've completed the **Hardware Installation for USB mode** steps.



2. When the DisplayLink menu opens, click **Video Setup** to launch the Windows display settings.
3. Configure the monitor to your desired settings, including resolution and orientation.

#### Ethernet mode

**Note:** The steps below require that your network is configured for DHCP (automatic IP).

1. Double-click the **Launch USB Server** icon on your desktop, to open the USB server software.





2. Once the USB server software is open, your IP extender will appear in the **Device** list, with the connected HDMI display listed below it. Select the HDMI display from the **Device** list, then click the **Connect Device** button.

**Note:** if your HDMI display has a built-in audio controller, the audio controller will also be listed in the **Device** list, along with any attached USB peripheral devices. Each device must be connected using the **Connect Device** button individually, for your computer to recognize the device.

3. After you click the **Connect Device** button, the status of the device will change to locally connected, and your computer will detect the device and automatically install the required drivers.

**Notes:**

- To disconnect any device, select it from the **Device** list and click the **Disconnect Device** button.
  - When connecting an audio controller, the controller becomes the default audio device on your computer. Windows does not allow multiple audio devices to be used simultaneously.
4. Now that your computer has installed the drivers for your display adapter, the DisplayLink icon will appear in your Windows system tray. Close the USB Server software and click the DisplayLink icon.



5. Once you click the icon, a menu will open. From the menu click **Video Setup**, to launch the Windows display settings.
6. Use the Windows display settings to configure the monitor to your desired settings, including resolution and orientation.

## Basic configuration for Mac computers

### USB mode only

1. After you've completed the **Hardware Installation for USB mode** steps, click the **System Preferences** menu, and then click **Display Preferences**.
2. Use the **Display Preferences** screen to configure the monitor to your desired settings, including resolution and orientation.

# Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads.

For the latest drivers/software, please visit [www.startech.com/downloads](http://www.startech.com/downloads)

## Warranty Information

This product is backed by a two year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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