

Build a modular HDMI matrix on an Ethernet LAN

HDMI® over IP (HD/IP™) from Just Add Power is the Ethernet network based HD video distribution system changing the way Custom Installers approach projects of any size. Unencumbered by the fixed input/output (I/O) constraints of traditional HDMI Matrices, HD/IP instead creates a network of HDMI devices, scalable to any size, from 1 x 1 to 4,000 x 65,000 (& everything in between). Truly the Right Sized Matrix for any HDMI project.

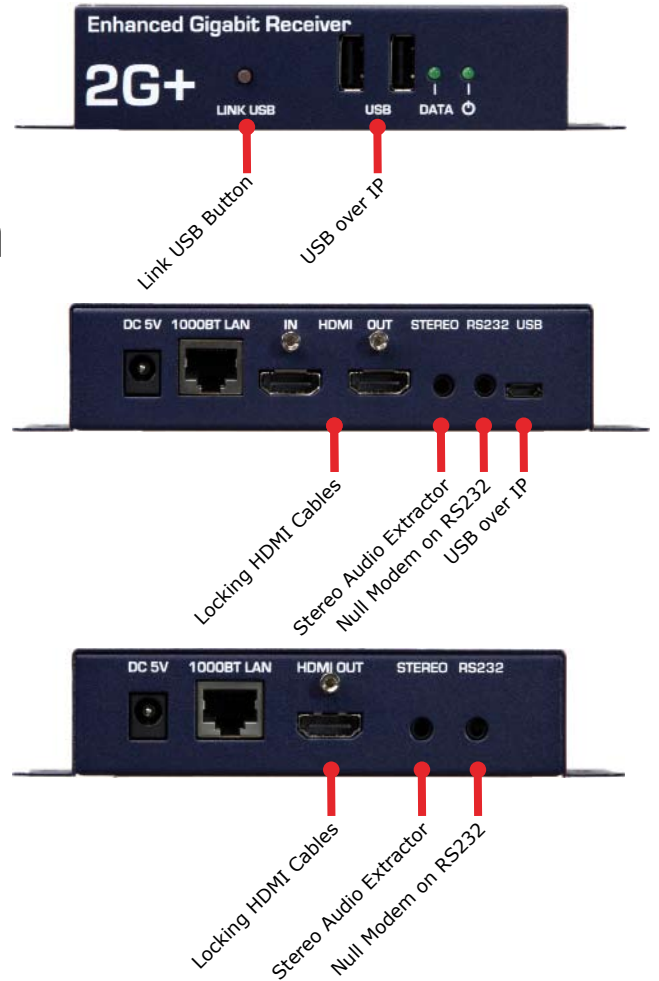
NEW Enhanced 2G+

The second generation (2G) HD/IP™ Transmitters/Receivers use a patented process to send visually lossless 1080p video and audio across a Gigabit Network with a result identical to a direct HDMI cable connection.

With the addition of 2G+ Enhanced HD/IP devices to the 2G product family, you can have all the same great features of a 2G HDMI Network and even more. 2G+ units have the addition of:

- **Stereo Audio Extraction** at both the Receivers and Transmitters. With adjustable lip sync delay via software or physical buttons on the base of the unit.
- **Transmitter HDMI pass-through port** for taking HDMI audio/video from your source onwards to other devices and for easier implementation of Tearless Mode for Video Wall applications.
- **USB 2.0 over IP.** Allowing keyboards, mice and even game controllers to be attached to the 2G+ devices and communicate over the network
- **Integrated Null Modem** making RS232 connections to serial controlled devices even easier.
- **Support for Locking HDMI cables**
- **CEC over IP** independent processor allowing CEC control commands to be sent to displays and sources.

Create a network of HDMI devices



Mix & Match

2G and 2G+ units are compatible with each other, so they can be mixed and matched in a single HDMI network. Meaning you can have the enhanced feature set where you want it and not where you don't need it.

Feature Comparison

Feature	2G	2G+
Instant Switching	●	●
Video Wall Enabled	●	●
Any Size Matrix	●	●
POE Receiver Available	●	●
HDMI Pass-through port on Transmitter	●	●
USB 2.0 over IP Supported	●	●
Integrated Stereo Audio Extractor	●	●
Integrated Audio Delay Module	●	●
2-Way RS232	●	●
RS232 on 3.5mm Port with Null Modem Supported	●	●
Locking HDMI Cables	●	●
Compatible with all 2G/2G+ Models	●	●

System Modules / Components

Transmitters (1 per source)

With HD/IP™ you can create an HDMI® distribution network of any size and distribute Visually Lossless 1080p signals down a single Ethernet cable. Transmitters are available to encode HDMI or HD-SDI signals.

- Options available:
- NEW** 2G+ TX **VBS-HDMI-418A**
2G TX **VBS-HDMI-408A**
 - NEW** 2G+ Rackmount TX **VBS-HDMI-449A**
2G Rackmount TX **VBS-HDMI-439A**
 - NEW** 2G+ HD-SDI TX **VBS-SDI-428A**



Receivers (1 per display)

These devices will decode sources from the HD/IP™ network to an HDMI output for connection to a display.

The power-over-ethernet models provide a true "one wire" solution. No need for a separate power supply.

- Options available:
- NEW** 2G+ RX **VBS-HDMI-218A**
2G RX **VBS-HDMI-208A**
 - NEW** 2G+ POE RX **VBS-HDMI-218POE**
2G POE RX **VBS-HDMI-208POE**



Managed Switches (they become your matrix hub)

Sitting at the center of a project, they allow the creation of an HD/IP distribution network in any input/output combination. When used with our ready made control options listed below, you can have an HDMI network up and running on site quickly.

- Supported* Models:
- Cisco SG300/SG500 Series (Cisco is our preferred option for maximum performance)
 - Netgear GSM7000 Series (some control options are only available on the Receivers)
 - Pakedge S24/S24P Series (some control options are only available on the Receivers)

* Other make/model Managed Switches are likely compatible, but technical support and driver options are limited.

Control Options (IP or RS232 control)

Practically any system capable of sending IP or RS232 commands can be used to control the HD/IP distribution network. Here are some of our most popular options:

MediaSwitcher 2.0 www.justaddsoftware.com

MediaSwitcher allows full control of the Just Add Power HD over IP™ video matrix from a Macintosh, Windows, or Linux computer. It allows easy and flexible control and provides instant overview of the entire video matrix allowing the user to see what video sources are on specific screens:

- Flexible and configurable user interface
- Support for multiple switches across large and complex networks
- Customizable icons for each video source
- Customizable main screen layout with support for drag and drop backgrounds
- Automatic updater. If an update is released it will be downloaded automatically.
- Switch database. This makes it easy to update and add new switches.
- Video Wall Support. MediaSwitcher 2.0 Wall edition adds support for controlling video walls
- Support for "Layer 3" network configurations including Layer 3 Video Wall Control.
- And a whole lot more! - contact jon@justaddsoftware.com for details

On Controls www.oncontrols.com

On Controls is a full control and automation system that utilizes the power of your iPad, iPhone, iPod Touch, Android, and Amazon Kindle devices. Using cloud-based programming and file storage along with On Controls wired or wifi controllers, On Controls can be used to build any size system with almost any size budget from a basic family entertainment room to an entire estate with our open-source platform.

On Controls takes the complicated and unreliable portions out of automation. We take advantage of the devices that clients already own and deliver a complete control solution that can be integrated into any home or business. By taking the process and complication out of the hardware, On Controls is able to offer a simple, reliable, robust, and reboot free system.

Just Add Drivers www.justadddrivers.com

Just Add Drivers builds and supplies software and drivers for the entire range of Just Add Power HDMI over IP products. Development of further drivers is now constant. Switch model, control system, and feature support will continue to grow.

Currently we offer full featured drivers for the major home automation control systems. Most of these drivers support advanced control options like Serial over IP, CEC over IP, USB 2.0 over IP, OSD over IP, Audio Delay over IP, Video Wall Control over IP, & shared LAN over a single cable (ask about More-Play™).

- AMX
- Crestron
- Netstreams
- URC
- Control4
- Elan g!
- RTI