# Atlona HDMI Distribution Amplifier Family

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## Finally, a Distribution Amp for Ultra HD

Ultra HD (4Kx2K) is the highest currently available resolution and Atlona's HDDA family is the first distribution amplifier available on the market that supports it (supports lower resolutions too). Ideal for TV showrooms with displays demonstrating cutting edge Ultra HD resolution. Optimal for digital signage applications that utilize Ultra HD. Analog audio de-embedding allows input to a commercial sound system in a sports bar or other hospitality or entertainment venue.

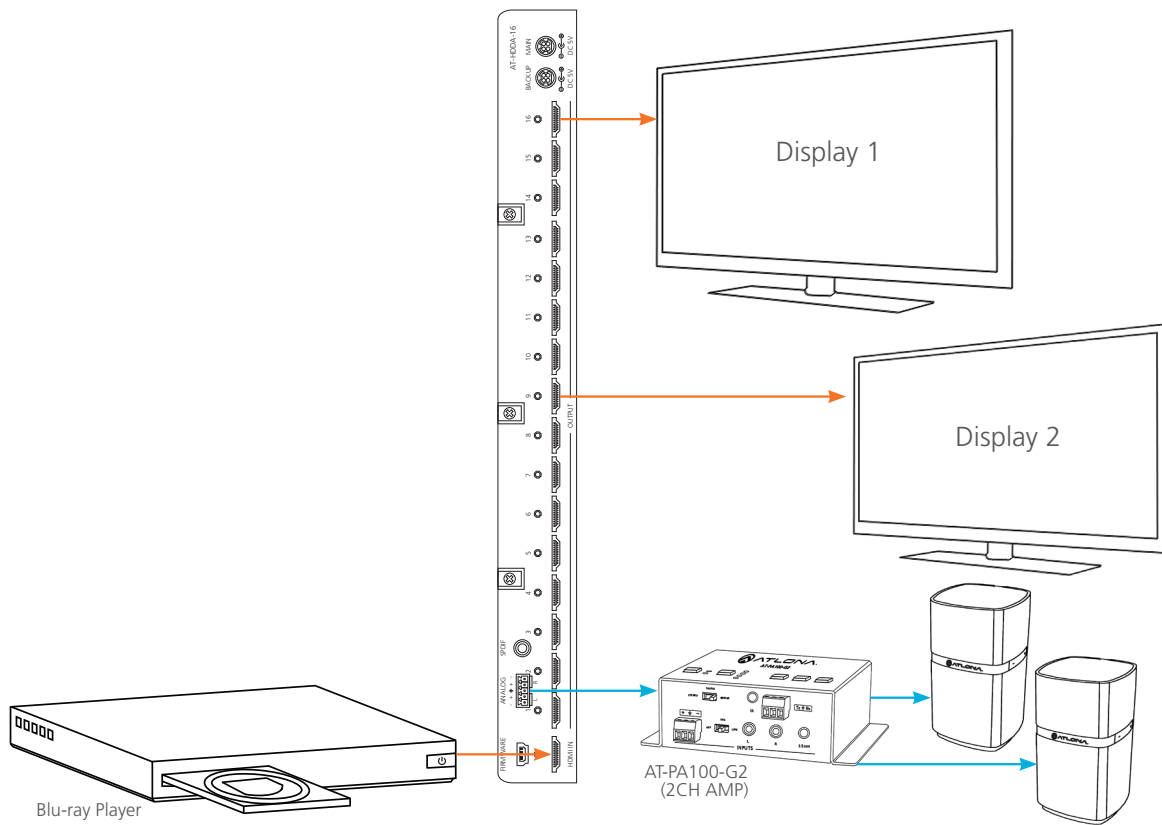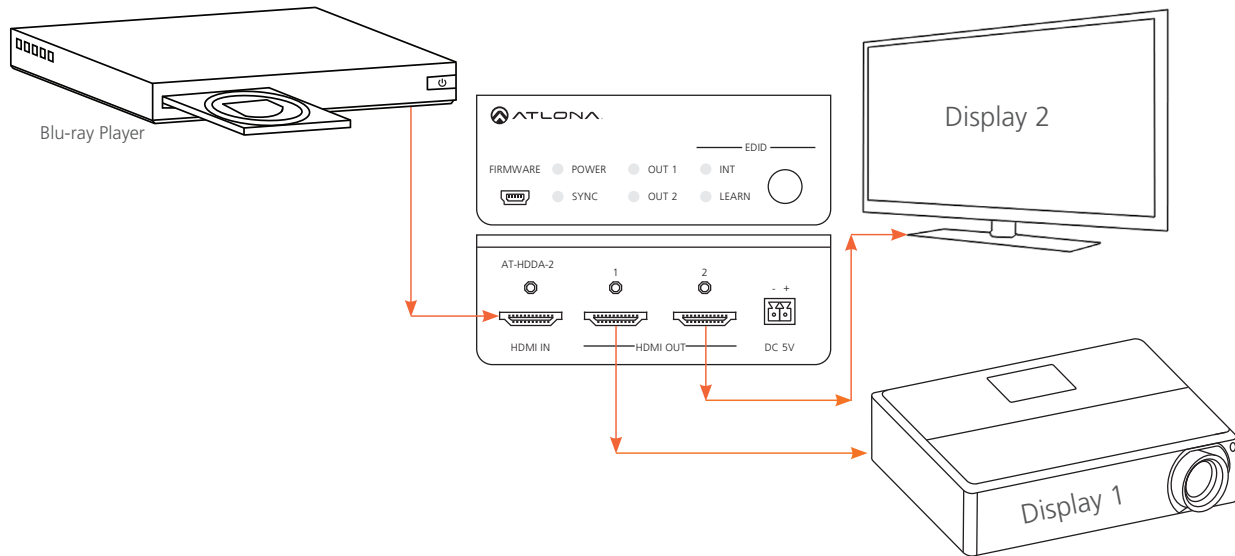| Atlona Advantages | |
|---|---|
| **PASSES ULTRA HD** (4Kx2K) | **LINK STATUS LED** for source and outputs |
| **ADVANCED EDID MANAGEMENT** Learns reference EDID from first output device connected | **SUPPORTS 3D** up to 48-bit Deep Color |
| **PASSES DOLBY** TrueHD, DTS-HD Master Audio | **OPTIONAL REDUNDANT POWER SUPPLY** (16- and 8-zone models only) |
| **AUDIO DE-EMBEDDING** via 1 x S/PDIF and 1 x balanced audio captive screw (16- and 8-zone models only) | **LOCKING HDMI** and power connectors |
| **CASCADE** up to 8 HDDAs for large systems | **USB PORT** for updates in the field |
| **DUAL PURPOSE WALL MOUNT/RACK BRACKETS** for 16-, 8-, and 4-zone models | **EASY INTEGRATION** via Velcro strips and captive screw power termination (2-zone model only) |

# Atlona 1 x 2 HDMI Distribution Amplifier

AT-HDDA-2

## Family Comparison Chart

| SOLUTIONS | REDUNDANT POWER SUPPLY | CAPTIVE SCREW POWER | SIZE | INPUTS | OUTPUTS | WALL MOUNT/ RACK BRACKETS |
|---|---|---|---|---|---|---|
| AT-HDDA-16 | x | | 1 RU | 1 x HDMI | 16 x HDMI<br>1 x S/PDIF<br>1 x balanced audio captive screw | x |
| AT-HDDA-8 | x | | 1 RU | 1 x HDMI | 8 x HDMI<br>1 x S/PDIF<br>1 x balanced audio captive screw | x |
| AT-HDDA-4 | | | 1 RU | 1 x HDMI | 4 x HDMI | x |
| AT-HDDA-2 | | x | H x W x D<br>.98 x 4  x 6 in.<br>(23 x 103 x 152 mm) | 1 x HDMI | 2 x HDMI | x |

## Specifications

| BANDWIDTH | 10.2 Gbps | | | |
|---|---|---|---|---|
| **RESOLUTION** | Ultra HD (4Kx2K) | | | |
| **PORTS** | AT-HDDA-16 | AT-HDDA-8 | AT-HDDA-4 | AT-HDDA-2 |
| Video input | 1 x HDMI | 1 x HDMI | 1 x HDMI | 1 x HDMI |
| Video output | 16 x HDMI | 8 x HDMI | 4 x HDMI | 2 x HDMI |
| S/PDIF | 1 x | 1 x | none | none |
| Analog balanced audio output | 1 x | 1 x | none | none |
| Firmware update | Mini USB Port | Mini USB Port | Mini USB Port | Mini USB Port |
| Size | 1 U, 19 in. standard electronics rack | 1 U, 19 in. standard electronics rack | 1 U, 19 in. standard electronics rack | 1.98 x 4.06 x 6.1 in. (25 x 103 x 155 mm) |
| Weight | 2.84 kg<br>6.26 lb. | 2.74 kg<br>6.04 lb. | 2.7 kg<br>5.95 lb. | .12 kg<br>.26 lb. |
| **POWER CONSUMPTION** | 28.2W | 14W | 5W | 2.31W |
| **TEMPERATURE** | Operating: 50°F to 104°F (10°C to 40°C)<br>Storage: 32°F to 122°F (0°C to 50°C) | | | |
| **CERTIFICATIONS** | CE, FCC, (power supply also cULus certified) | | | |

## System Connection Diagram



Video
Audio

Blu-ray Player

ATLONA

EDID

FIRMWARE    POWER    OUT 1    INT
            SYNC     OUT 2    LEARN

AT-HDDA-2    1    2    - +

HDMI IN    HDMI OUT    DC 5V

Display 2

Display 1

AT-HDDA-16    MAIN
BACKUP    DC 5V
DC 5V

OUTPUT

SPDIF

ANALOG

FIRMWARE    HDMI IN

Blu-ray Player

Display 1

Display 2

ATLONA

AT-PA100-G2
(2CH AMP)

# Related Products

When greater distance than possible with traditional HDMI cables are required, Atlona's HDBaseT extender family is an ideal solution. Use Atlona's HDBaseT distribution amplifier family when all outputs require greater distance than possible with HDMI cables.Atlona's H2H matrix switcher family can be used to route different sources to multiple HDDAs. In a sports bar, for example, HDDAs will distribute four different games from four set-top boxes to multiple displays.

## Atlona 2 x 8 HDMI to HDBaseT Extended Distance Distribution Amplifier



AT-HDCAT-8ED

## Atlona 2 x 8 HDMI to HDBaseT Distribution Amplifier



AT-HDCAT-8

## Atlona 2 x 4 HDMI to HDBaseT Distribution Amplifier



AT-HDCAT-4

# Related Products (continued)

### Atlona HDBaseT RX HDMI Box



AT-HDRX

### Atlona HDBaseT TX HDMI Box



AT-HDTX

### Atlona 8 x 8 HDMI Matrix Switcher



AT-H2H88M

### Atlona 4 x 4 HDMI Matrix Switcher



AT-H2H44M

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