Wallplate HDBaseT Transmitter for HDMI and VGA
AT-HDVS-200-TX-WP / AT-HDVS-200-TX-WP-BLK

The Atlona **AT-HDVS-200-TX-WP** is a 2×1 switcher and HDBaseT transmitter with an HDMI input plus a VGA input with audio. The HDVS-200-TX-WP features a US two-gang, wallplate form factor. Video signals up to 4K/UHD @ 60 Hz with 4:2:0 chroma subsampling, plus embedded audio, control, and Ethernet can be transmitted up to 330 feet (100 meters). The two-channel audio input can be assigned to either video input and embedded for HDBaseT transmission. The HDVS-200-TX-WP is designed for use with the AT-OME-RX21 4K scaling receiver, but can also be used with Atlona switchers and matrix switchers with HDBaseT inputs. This transmitter can serve as an integral component of a fully automated AV system, with the convenience of automatic input selection and display control. It is remotely powered by the OME-RX21 or other Atlona devices over HDBaseT.

The Atlona **AT-HDVS-200-TX-WP-BLK** is identical to the AT-HDVS-200-TX-WP, except for the addition of interchangeable black and white wallplates and faceplates.

Package Contents

AT-HDVS-200-TX-WP

1 x AT-HDVS-200-TX-WP
1 x Captive screw connector, 3-pin
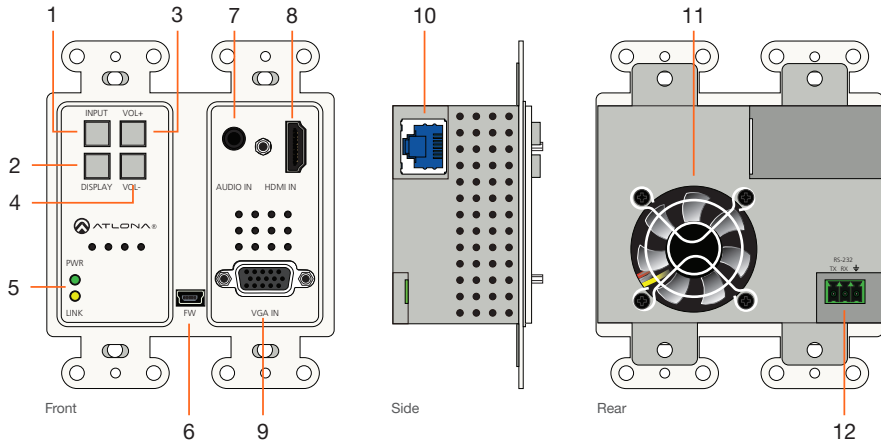1 x Faceplate, w/ LAN port exposed
1 x Installation Guide

AT-HDVS-200-TX-WP-BLK

1 x AT-HDVS-200-TX-WP-BLK
1 x Captive screw connector, 3-pin
1 x Black faceplate, w/ LAN port exposed
1 x Installation Guide

IMPORTANT: Visit https://www.atlona.com/product/AT-HDVS-200-TX-WP or https://www.atlona.com/product/AT-HDVS-200-TX-WP for the latest firmware updates and Installation Guide.
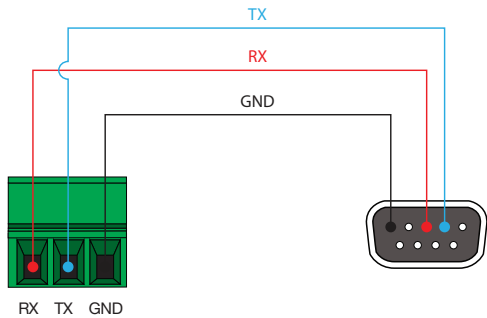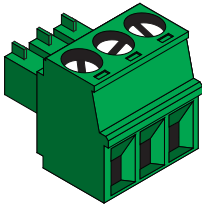
Panel Descriptions

Front

Side

Rear

1 INPUT
Press this button to toggle between each of the available inputs: **HDMI IN** and **VGA IN**.

2 DISPLAY
Press this button to turn on/off video output for the switcher. This button can also be programmed to send a display on/off command over CEC, RS-232, or TCP/IP, to controllable displays or other connected devices, or send trigger commands over RS-232 or TCP/IP.

3 PWR
This LED indicator will glow bright green when the switcher is powered.

4 LINK
This LED indicator will glow bright amber when a link exists between the AT-HDVS-200-TX-WP and a PoE-compatible receiver.

5 VOL+ / VOL-
Press these buttons to increase or decrease the volume level on the display.

6 FW
Connect a mini USB to USB-A type cable from this port to a computer to update the firmware. Refer to the User Manual for more information.

7 AUDIO IN
Connect a 3.5mm mini-stereo audio cable, from an analog audio source, to this port.

8 HDMI IN
Connect an HDMI cable from this port to an HD source.

9 VGA IN
Connect a VGA cable from this port to a VGA source.

10 HDBaseT
Use an category cable to connect an HDBaseT PoE-compatible receiver to this port.

11 Cooling Fan Assembly
Provides active cooling for the switcher by expelling warm air from the enclosure. To prevent overheating, make sure this vent is not blocked.

12 RS-232
Connect the included 3-pin captive-screw terminal block from this connector to an RS-232 control device.

RS-232

The AT-HDVS-200-TX-WP / AT-HDVS-200-TX-WP-BLK provides RS-232 control between an automation system and an RS-232 device. This step is optional and is used when connecting a computer that is running the control software.

1.   Use wire strippers to remove a portion of the cable jacket.

2.   Remove at least 3/16" (5 mm) from the insulation of the RX, TX, and GND wires.

3.   Insert the TX, RX, and GND wires into correct terminal on the included captive screw block. If using non-tinned stranded wire, press the orange tab, above the terminal, while inserting the exposed wire.   Repeat this step for the TX, RX, and GND connections.

Faceplate Removal and Assembly

The AT-HDVS-200-TX-WP / AT-HDVS-200-TX-WP-BLK comes with an additional faceplate, which allows an Ethernet cable to be connected through the front panel. Removal of the faceplate requires that the AT-HDVS-200-TX-WP / AT-HDVS-200-TX-WP-BLK be removed from the electrical box or mud ring.

1. Remove the wall plate from the electrical box and slide out the AT-HDVS-200-TX-WP assembly, as shown. It is recommended that the Ethernet cable, connected to the HDBaseT port, be disconnected from the AT-HDVS-200-TX-WP, to allow for easy installation of the new faceplate.

Wall cross-section

2. Unscrew the hex bolt, next to the HDMI connector on the front panel. Once the hex bolt is removed, gently remove the faceplate by pulling it toward you.

3. Attach the new faceplate and secure it using the hex bolt.

4. Install the AT-HDVS-200-TX-WP / AT-HDVS-200-TX-WP-BLK into the electrical box or mud ring. If the Ethernet cable was disconnected from the AT-HDVS-200-TX-WP / AT-HDVS-200-TX-WP-BLK during disassembly, make sure to reconnect it before reinstalling the unit into the electrical box.

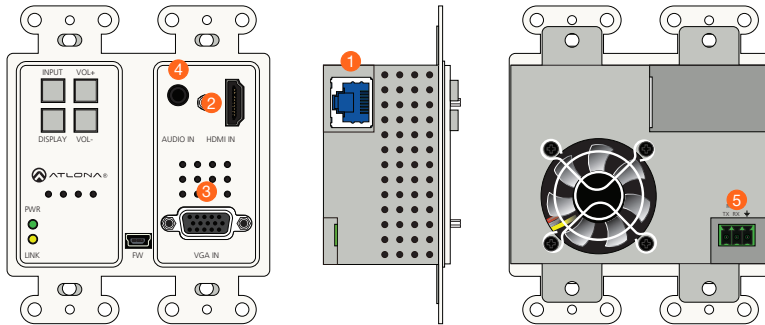5. Reattach the wallplate, securing the assembly in place.

Installation

Before Determine the proper faceplate to be used for installation. If using the LAN port, then refer to **Faceplate Removal and Assembly** for information on changing the faceplate.

1. Connect an category cable, up to 230 feet (70 meters), from the **HDBaseT** port on the switcher to a PoE-compatible receiver (not included). Category cables should use EIA/TIA-568B termination. CAT6a/7 solid core cables should be used for best results.
   Complete the installation of the AT-HDVS-200-TX-WP into the electrical box or mud ring.

2. Connect an HDMI cable between the HD source and the **HDMI IN** port on the switcher.

3. Connect a VGA cable from a VGA source to the **VGA IN** port on the switcher.

4. Connect a 3.5 mm mini-stereo cable from the **AUDIO IN** port on the switcher to the analog audio source. The AT-HDVS-200-TX-WP can pass audio either with or without a video signal. Refer to the User Manual for more information.

5. OPTIONAL: Connect an RS-232 control device to the **RS-232** port on the switcher. This port is used to control functions of the AT-HDVS-200-TX-WP, such as volume up/down, display on/off, etc.

   No power supply is required for the AT-HDVS-200-TX-WP. This unit will be powered over the category cable, from an HDBaseT receiver.

Cable Recommendation Guidelines

Refer to the tables below for recommended cabling when using Altona products with HDBaseT. The number of bars indicate the signal quality when using each type of cable. Higher-quality signals are represented by more bars.

Core	Shielding	CAT5e	CAT6	CAT6a	CAT7
Solid	UTP (unshielded)	■	■■■	■■■■	N/A
	STP (shielded)	■■	■■■■	■■■■■	■■■■■

⚠ **IMPORTANT:** Stranded or patch cables are not recommended due to performance issues.

Notes

Notes

Version 1

Warranty

To view the product warranty, use the following link or QR code:

https://atlona.com/warranty/.

English Declaration of Conformity

The English version can be found under the resources tab at:

https://atlona.com/product/at-hdvs-200-tx-wp/.

English Declaration of Conformity

The English version can be found under the resources tab at:

https://atlona.com/product/at-hdvs-200-tx-wp-blk/.

Chinese Declaration of Conformity 中国RoHS合格声明

由SKU列出於:

https://atlona.com/about-us/china-rohs/.

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

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