

4K60Hz Output Video Wall Processor 2x3 (Multiple Splicing Layout)

SW-0206-VW



Quickstart Guide

WyreStorm recommends reading through this document in its entirety to become familiar with the product's features prior to starting the installation process.



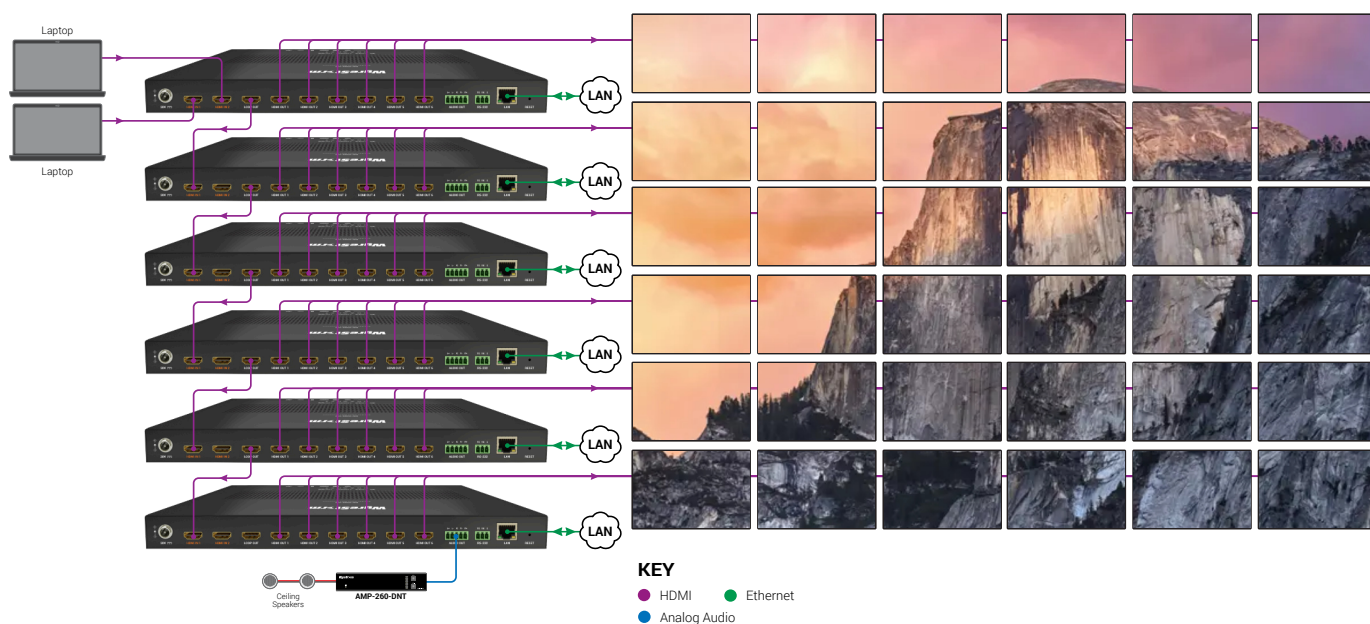
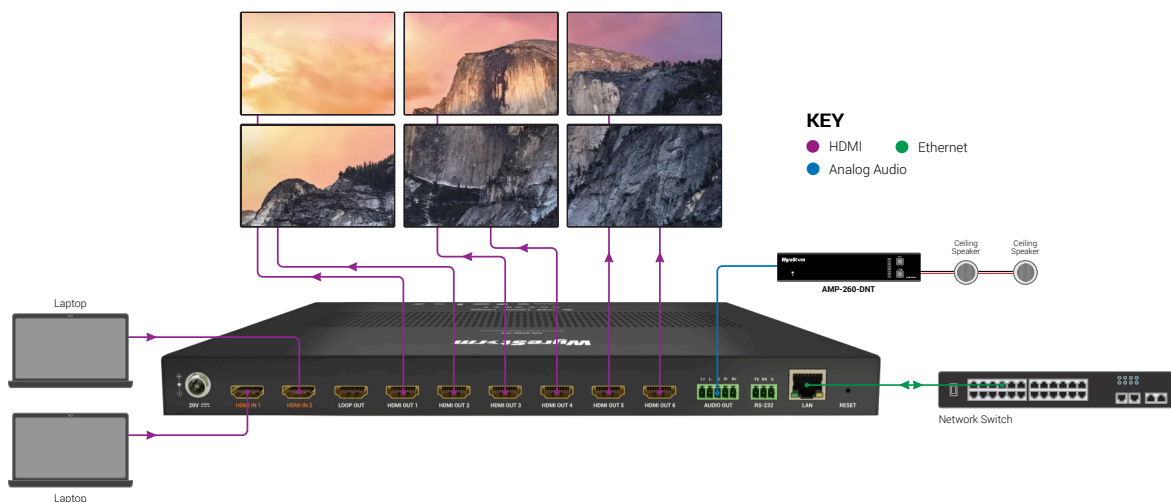
IMPORTANT! Installation

- Read through the [Wiring and Connections](#) section for important wiring guidelines before creating or choosing premade cables.
- Visit the product pages to download the latest firmware, document version, additional documentation, and configuration tools.

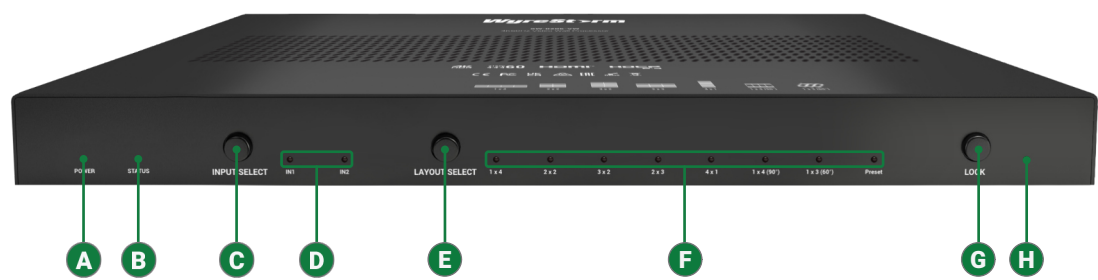
In the Box

- 1x SW-0206-VW Video-Wall Processor
- 1x DC 20V Power Supply (UK/US/AU/EU)
- 1x 3.5mm 3-pin Phoenix Male Connector
- 1x 3.5mm 5-pin Phoenix Male Connector
- 2x Mounting Brackets (with Screws)
- 1x QuickStart Guide (This Document)

Basic Wiring Diagram

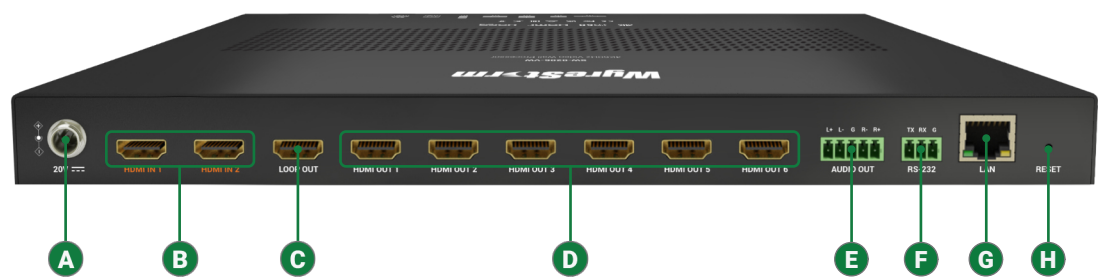


SW-0206-VW (Front)



A Power LED	Solid: The unit is powered On Off: The unit is powered Off	E Layout Select	Press to toggle between different video walls
B Status LED	Blinking: The device is working properly Off: The device is not working properly	F Layout LED	Solid: Indicates which layout is selected
C Input Select	Press to toggle between HDMI 1 and HDMI 2 inputs	G Lock	Press to lock device so source and layout cannot be adjusted.
D Input LED	Solid: Indicates which source is selected	H Lock LED	On: Indicates device is locked Off: Changes can be made to the device

SW-0206-VW (Rear)



A Power Input	20V Screw Down Jack	E Audio Output	5-pin Phoenix Analog Audio with balance (De-embedded from selected HDMI input)
B HDMI Inputs	19-pin type A HDMI female Supports HDMI and DVI/D with adapter	F RS-232	3-pin Phoenix: Serial input for API control
C HDMI Loop Out	19-pin type A HDMI female Supports HDMI and DVI/D with adapter	G LAN	Connection to LAN Web UI, Video-Wall Control and Ethernet
D HDMI Outputs	19-pin type A HDMI female Supports HDMI and DVI/D with adapter	H Reset	Reset to factory settings

Wiring and Connections

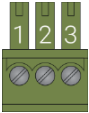
WyreStorm recommends that all wiring for the installation is run and terminated prior to making connections to the device. Read through this section in its entirety before running or terminating any wires to ensure proper operation and to avoid damaging the equipment.

⚠ IMPORTANT! Wiring Guidelines

- The use of patch panels, wall plates, cable extenders, kinks in cables, and electrical or environmental interference will have an adverse effect on signal transmission which may limit performance. Steps should be taken to minimize or remove these factors completely during installation for best results.
- WyreStorm recommends using pre-terminated HDMI cables due to the complexity of these connector types. Using pre-terminated cables will ensure that these connections are accurate and will not interfere with the performance of the product.

RS-232 Wiring

The SW-0206-VW uses a 3-pin RS-232 with no hardware flow control. Most control systems and computers are DTE where pin 2 is RX, this can vary from device to device. Refer to the documentation for the connected device for pin functionality to ensure that the correct connections can be made.



WyreStorm Connector		3rd Party Device
Pin 1	TX (Transmit)	---> To ---> RX (Receive)
Pin 2	RX (Receive)	---> To ---> TX (Transmit)
Pin 3	G (Ground)	---> To ---> G (Ground)

Troubleshooting

No or Poor Quality Picture (snow or noisy image)

- Verify that power is being supplied to the device.
- Verify that all HDMI connections are not loose and are functioning properly.
- Verify that the output resolution of the source and display is supported.
- If transmitting 4K, verify that the HDMI cables used are 4K rated.

No or Intermittent 3rd party Device Control

- Verify that the RS-232 cables are properly terminated following the [Wiring and Connections](#) section.

💡 Troubleshooting Tips:

- WyreStorm recommends using a cable tester or connecting the cable to other devices to verify functionality.

Accessing the WebUI

By default, this unit uses **DHCP** to obtain its IP address. If no DHCP server is available, it assigns itself a **link-local IP address** in the 169.254.x.x range. To find the unit's current IP address:

- Using RS232 Command:**
 - Connect to the unit via RS232.
 - Send the command "GET IPADDR <CR><LF>"
- Using SmartSetGUI Software:**
 - Launch SmartSetGUI on a computer connected to the same network.
 - Use the software's discovery feature to locate and display the unit's IP address.

Specifications

Audio and Video	
Inputs	2 x HDMI IN: 19-pin type A
Outputs	6x HDMI OUT: 19-pin type A 1x 5-pin Phoenix Analog Audio with balance (De-embed from selected HDMI input)
Max Video Resolution	1920x1080p @60Hz 4:4:4 8bit 3840x2160p @60Hz 4:4:4 8bit 4096x2160p @60Hz 4:4:4 8bit
Output Video Encoding	HDMI
Audio Formats	PCM 2ch Analog
Supported Standards	DCI (4096x2160) RGB HDR HDR10 Dolby Vision HLG BT.2020
Maximum Pixel Clock	600Mhz
Communication and Control	
HDMI	HDMI 2.0 HDCP 2.3 EDID CEC
RS-232	1x RS-232: 3-pin Phoenix Female Video-Wall Processor Control Routable RS-232 Device Control Telnet commands supported
Ethernet	1x LAN: 8-pin RJ-45 Female Web UI Video-Wall Control and Ethernet
Power	
Power Supply	20V DC 3A
Environmental	
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing
Dimensions	
Length x Width x Height	27mm x 320mm x 180mm / 1.06in x 12.6in x 7.09in
Weight	
Regulatory	
Safety and Emission	CE FCC RoHS RCM EAC UKCA

Warranty Information

WyreStorm Technologies ProAV Corporation warrants that its products to be free from defects in material and workmanship under normal use for a period of five (5) years from the date of purchase. Refer to the Product Warranty page on wyrestorm.com for more details on our limited product warranty.

