**Before Installation**

- Check compatibility of source/display devices and device settings prior to connection and operation.
- Make sure of firm cable connection to devices but do not force connectors into ports.
- Always use good quality, high speed Category 2 HDMI cables within the transmission distance specification for devices used – we recommend WyreStorm Express HDMI cables.
- Although WyreStorm products are tested with Cat5e, we recommend Cat6 as standard due to increased bandwidth and improved capacity for handling large transmissions and power along a single cable.
- This unit will auto-scale output according to EDID settings of connected sync device. See full manual for details on how to manually override this function.

**Set-up**

1. At source location, connect VGA (with corresponding audio input) and HDMI devices as required, either directly to the rear of the SW-0501-HDBT or via a desk plate, ensuring firm port connection using good quality cables.

**Operation**

The SW-0501-HDBT features hot-plug detection to enable instant switching to any source device plugged in to the rear of the unit or a desktop, and instant disconnection from any device unplugged. On removing a connected device, the SW-0501-HDBT will return to the last available active source connected.

**NOTE:** Optional power connectivity is available on PoH receivers if required, for example if a cable is too weak to carry power.

Any HDBaseT receiver can be used but support of features (such as PoH and serial control etc.) is dependent on model. Check the specification of the RX device before installation.

Connect to a control system via RS232 or LAN as required, ensuring RS232 connections are in place at source and display locations.

Connect a network cable from a router or Ethernet switch to the LAN port if controlling via a LAN enabled control system.

Control of this function is via Web UI or command protocol for the switch. See full manual for details.

**NOTE:** This action cannot be undone so would require set up to be repeated.

Connect power cable included and switch on the power at the rear of the unit – a lit red power LED on the front panel will indicate the unit is powered.

Connect a good quality, well-terminated Cat6 cable between the HDBaseT OUT port of the SW-0501-HDBT and the PoH port of the display receiver. (See wyrestorm.com for compatible receivers.)

A PoH-enabled receiver or a compatible display device can be remotely powered by the SW-0501-HDBT so no additional power supply is required at the display location.

**NOTES:**

1. Connect to a control system via RS232 or LAN as required, ensuring RS232 connections are in place at source and display locations.
2. Control of this function is via Web UI or command protocol for the switch. See full manual for details.
3. Additional control of source switching from a separate command location, such as a podium or chairperson position, is supported from the rear of the unit. Each input can be linked to 1-5 of the CONTACT IN port for remote push-button source switching with LED indicators connected to LED OUT 1-5 to visually illustrate the source selected from the command location.
4. To reset IP address or auto-scaling functionality for any reason, press to reset to default settings.
5. Powering off sources instructs the sync device to turn off after a pre-defined period of time – duration variable between 1min-1hour or function can be deactivated.

**NOTE:** Optional power connectivity is available on PoH receivers if required, for example if a cable is too weak to carry power.
Specifications

Audio and Video

- Audio Connection: 3-pin phoenix port (MIC), 3-pin phoenix port (Stereo)
- Audio Formats: Standard
- Video Connection: HDMI 1.3a (input/output), HDBaseT (input/output)
- Video Resolution: HDMI: Up to 1920x1200@60Hz, VGS: Up to 1920x1200@60Hz
- Color Depth: 32bit

Control

- Method: Bi-directional IR, bi-directional RS-232
- Ports: IR, RS232-1, RS232-2, CONTACT IN, LED OUT, LAN

Power

- Input Power: 100-240VAC 50/60Hz
- Max Power Consumption: 26.5W
- HDBaseT (PoH): 15.4W (HDBT OUT)
- Phantom Power for MIC: 48V DC, 100mA

Dimensions and Weight

- Height: 50mm/1.97"
- Width: 220mm/8.66"
- Depth: 270mm/10.6"
- Weight: 2.0kg/4.40lbs

Environmental

- Operating Temperature: 32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90% non-condensing, 90%, non-condensing
- Storage Temperature: -4° ~ 140°F (-20°C ~ 70°C) 10% ~ 90% non-condensing

REGULATORY

- Safety and Emission: CE | FCC
- RoHS: Compliant

Troubleshooting

Regardless of manufacturer or product, the majority of installation difficulties can typically be attributed to communication problems between devices or when high bandwidth transmissions are attempted with insufficient cable/connections. Should you find yourself in such a situation, refer to the following checklist of common issues and causes that should help you shoot your way out of trouble without seeking further assistance.

No or poor quality picture

- Connected and powered? Double-check all device cables and power connections are firmly inserted into correct ports and that all devices are powered.
- Are connected sources off or outputting an unsupported resolution?
- Is the scaler set to an unsupported resolution for the display device?
- Check an active connected source is selected.
- Check the HDBaseT receiving device is operating normally.
- Test the system - confirm local HDMI outputs are functioning correctly using pattern timing generator and signal analyzer test equipment – we recommend the WyreStorm TT-KIT-4K Test Kit.
- Use the test equipment to send a test signal into the SW-0501-HDBT to check for correct signal routing prior to installation.

- Is the HDMI – make sure output resolution is not higher than the supported 1200p.

- LED Indication. Check red POWER LED is lit to signify unit is powered. Check blue STATUS LED on unit is flashing to indicate correct functionality. Check green input LED is lit to illustrate source is selected.

No or poor quality audio

- VGA Audio – if VGA audio is not embedding, check cable and ensure devices are outputting audio.
- HDMI Audio – check output audio signal is supported.
- If no output audio, check the level is not set to zero in Web UI or serial protocol.

Beware:

- Blu-ray – make sure all your equipment has been configured and enabled to transmit and accept the signal, or is capable of passing a signal.
- Are resolutions between source and display compatible and cable adequate for the large bandwidth required by Blu-ray transmissions?
- 4K – Is 4K equipment being used within the installation? The SW-0501-HDBT is not 4K compatible.

Safety Recommendations:

- Do not dispose of this apparatus to any form of moisture, including the placement of anything containing liquids on the unit.
- To prevent risk of electric shock or fire hazard, ensure apparatus is installed in an unobstructed, well ventilated area away from any external heat sources - including other electrical devices which may produce heat.
- Only use attachments / accessories specified by the manufacturer and refer all servicing to qualified service personnel.
- Failure to adhere to these recommendations may invalidate your warranty.

Warranty Information

This product is covered by a 3 year limited parts and labor warranty. During this period there will be no charge for unit repair, component replacement or complete product replacement in the event of malfunction. The decision to repair or replace will be made by the manufacturer.

This limited warranty only covers defects in materials or workmanship and excludes normal wear and tear or cosmetic damage.

Visit our website for full details on this product and to download the full instruction manual for complete information on this product and full warranty terms and conditions.

wyrestorm.com