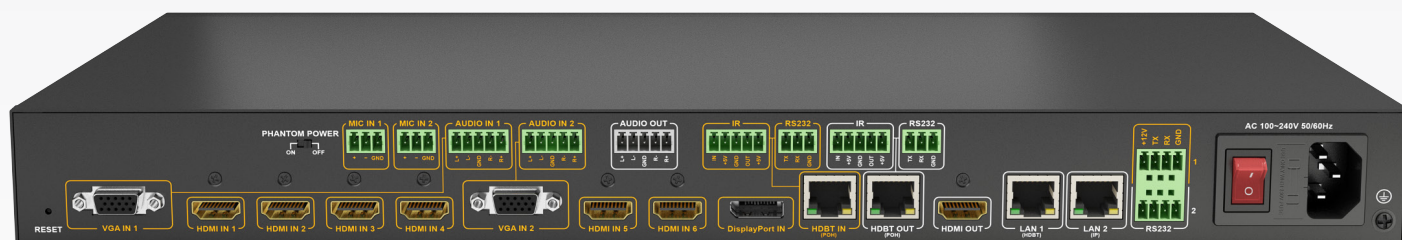# WYRESTORM 10 X 1 HDBASET PRESENTATION SWITCHER WITH 2-MIC CONTROL AND CEC

SW-1001-HDBT

KEY FEATURES:

- Features auto scaler to output the best resolutions from 640 x 480 to 1920 x 1200 @ 60Hz based on the EDID of the display as well as different fixed resolutions
- Features CEC capability, which allows the SW-1001-HDBT to make CEC-enabled devices such as TVs enter standby mode and return to their normal working state without user intervention. This functionality is also possible with RS232 port in the rear panel.
- Supports two microphone inputs, two stereo audio inputs and one auto mix stereo audio output
- 6 HDMI, 1 Displayport, 1 HDBaseT In and 2 VGA audio source inputs to duplicate HDBaseT and HDMI outputs.
- Choose from various control methods: front panel display buttons, LAN (Telnet & Web GUI), RS232 and IR.

The SW-1001-HDBT can have up to 6 HDMI, 1 Displayport, 1 HDBaseT and 2 VGA sources connected with embedded audio onto the output signal for the VGA sources. The internal scaler ensures instant source switching by matching the resolution of the display device up to 1920 x 1200p. This unit features an adjustable microphone input with selectable phantom power, which can be mixed with the source audio and sent via the line-level output. The output signal can be HDMI or by HDBaseT for transmission distances up to 100m/328ft. PoH, Ethernet and control can all be sent to a WyreStorm RX-70-4K receiver (sold separately).

ADDITIONAL FEATURES & BENEFITS:

- Allows up to ten inputs to be switched to two mirrored outputs
- Supports six HDMI inputs, one Displayport, one HDBaseT and two VGA inputs
- Has one HDMI output and one HDBaseT output
- Features fast and seamless switching among HDMI and VGA inputs
- Supports input resolution up to 1920 x 1200 @ 60Hz
- Remembers the connected sequence of each input and follows the Last-In-First-Out rule, always outputting the most recently connected active source
- Bi-directional IR pass-through over the HDBaseT output, allowing control of IR capable devices connected to an HDBaseT receiver

- Bi-directional RS232 pass-through over HDBaseT output, allowing control of RS232 capable devices connected to a HDBaseT receiver
- Features audio embedding and de-embedding, VGA source is embedded with a corresponding stereo audio for AV input. When switching, this audio can be extracted from AV output
- Supports PoH to provide power for a PoH-enabled HDBaseT receiver, eliminating the need for a nearby outlet
- Offers phantom power for microphone input
- Supports HDBaseT transmission distances up to 100m/328ft at 1080p
- Single cable solution including transmission of AV, IR, RS232, and power over HDBaseT
- Control via IP, RS232, WebUI or local push-button

IN THE BOX

1 x SW-1001-HDBT
1 x Power Cord (100~240 VAC)
2 x Phoenix Connector (Male, 3.5 mm, 4 pins)

4 x Phoenix Connector (Male, 3.5 mm, 3 pins)
5 x Phoenix Connector (Male, 3.5 mm, 5 pins)
2 x Mounting Ears

SPECIFICATIONS

Video Input		6 x HDMI IN, 1 x Displayport, 1 x HDBT IN, 2 x VGA IN
Input Signal Type	**HDMI:**	HDMI 1.3a
Input Resolution Supported	**HDMI**:	640 x 480 @ 60Hz, 720 x 480i @ 60Hz, 720 x 480p @ 60Hz, 720 x 576i @ 50Hz, 720 x 576p @ 50Hz, 800 x 600 @ 60Hz, 1024 x 768 @ 60Hz, 1280 x 720p @ 30Hz, 1280 x 720p @ 50Hz, 1280 x 720p @ 60Hz, 1280 x 768 @ 60Hz, 1280 x 800 @ 60Hz, 1280 x 1024 @ 60Hz, 1360 x 768 @ 60Hz, 1366 x 768 @ 60Hz, 1400 x 1050 @ 60Hz, 1440 x 900 @ 60Hz, 1600 x 1200 @ 60Hz, 1680 x 1050 @ 60Hz, 1920 x 1080i @ 50Hz, 1920 x 1080i @ 60Hz, 1920 x 1080p @ 24Hz, 1920 x 1080p @ 25Hz, 1920 x 1080p @ 30Hz, 1920 x 1080p @ 50Hz, 1920 x 1080p @ 60Hz, 1920 x 1200p @ 60Hz
	VGA:	640 x 480 @ 60Hz, 800 x 600 @ 60Hz, 1024 x 768 @ 60Hz, 1280 x 720 @ 60Hz, 1280 x 768 @ 60Hz, 1280 x 800 @ 60Hz, 1280 x 1024 @ 60Hz, 1360 x 768 @ 60Hz, 1366 x 768 @ 60Hz, 1680 x 1050 @ 60Hz, 1440 x 900 @ 60Hz, 1600 x 1200 @ 60Hz, 1920 x 1080 @ 60Hz, 1920 x 1200 @ 60Hz
Output		1 × HDMI OUT, 1 x HDBT OUT
Output Signal Type	**HDMI:**	HDMI1.3a
	HDBT:	HDBaseT
Output Resolution Supported		640 x 480 @ 60Hz~1920 x 1200 @ 60Hz scaled based on the displays EDID 1920 x 1080p @ 60Hz, 1920 x 1080p @ 50Hz, 1920 x 1080p @ 30Hz, 1920 x 1080p @ 25Hz, 1920 x 1080p @ 24Hz, 1280 x 720p @ 60Hz, 1280 x 720p @ 50Hz, 720 x 576p @ 50Hz, 720 x 480p @ 60Hz, 640 x 480 @ 60Hz, 800 x 600 @ 60Hz, 1024 x 768 @ 60Hz, 1280 x 768 @ 60Hz, 1280 x 800 @ 60Hz, 1280 x 1024 @ 60Hz, 1366 x 768 @ 60Hz, 1440 x 900 @ 60Hz, 1600 x 1200 @ 60Hz, 1680 x 1050 @ 60Hz, 1920 x 1200 @ 60Hz
Inputs		2 x microphone input, 2 x stereo input
Input Connector Type		Microphone input: 3-pin phoenix port
Stereo input:		3-pin phoenix port
Outputs		1 x stereo output
Output Connector Type		Stereo output: 5-pin phoenix port
Support Audio Format		Stereo
Control Method		2-Way IR, bi-directional RS232, front panel buttons, I/O control devices, LAN (Telnet & Web GUI)
Control Port		IR, RS232-1, RS232-2, and LAN
Operating Temperature		32°F to ~ 113°F (0°C ~ +45°C)
Storage Temperature		-4°F to ~ 158°F (-20°C ~ +70°C)
Humidity Range		10% to 90%, non-condensing
Power Supply		100~240VAC 50/60Hz
Power Consumption		26.5 W (Max.)
HDBT (POH)		15.4 W (Max.) for HDBT OUT
Phantom Power		48 VDC 100 mA
ESD Protection		Human-body model: ±8kV (Air-gap discharge) ±4kV (Contact discharge)
Surge Protection		Voltage: ±1 kV
Certification		CE, FCC, RoHS compliant

Podium PC with Microphone

HDBT
Transmission Device

Analogue Audio

VGA Video

Ethernet

Ethernet

Ethernet

CONTROL SYSTEM

PoH

IR   RS232

Podium PC with Microphone

VGA Source

HDMI Video / Audio

Analogue Audio

Analog Video

Analog Audio

PHANTOM POWER ON OFF MIC IN 1 MIC IN 2 AUDIO IN 1 AUDIO IN 2 AUDIO OUT IR RS232 IR RS232 AC 100-240V 50/60Hz

RESET VGA IN 1 HDMI IN 1 HDMI IN 2 HDMI IN 3 HDMI IN 4 VGA IN 2 HDMI IN 5 HDMI IN 6 Display Port IN HDBT IN (PoH) HDBT OUT (PoH) HDMI OUT LAN 1 (HDBT) LAN 2 (IP) RS232

Digital Video

HDMI Video / Audio

HDMI Video / Audio

HDMI Video / Audio

HDMI Source

HDMI Source

Media PC

Full HD 1080P

Display

Analog Audio

PoH

HDBaseT Cat6 100m/328ft

Speaker Level Audio

WyreStorm HDBaseT PoH Receiving device

Local Amplifier

DC 12V

Optional Power

HDMI Video / Audio

RS232

Ethernet

Projector

KEY

- ● HDMI/DisplayPort
- ● HDBaseT Cat6/Ethernet
- ● Power
- ● Analog Audio
- ● IR / LAN / RS232
- ● Speaker Level Audio
- ● Analog Video