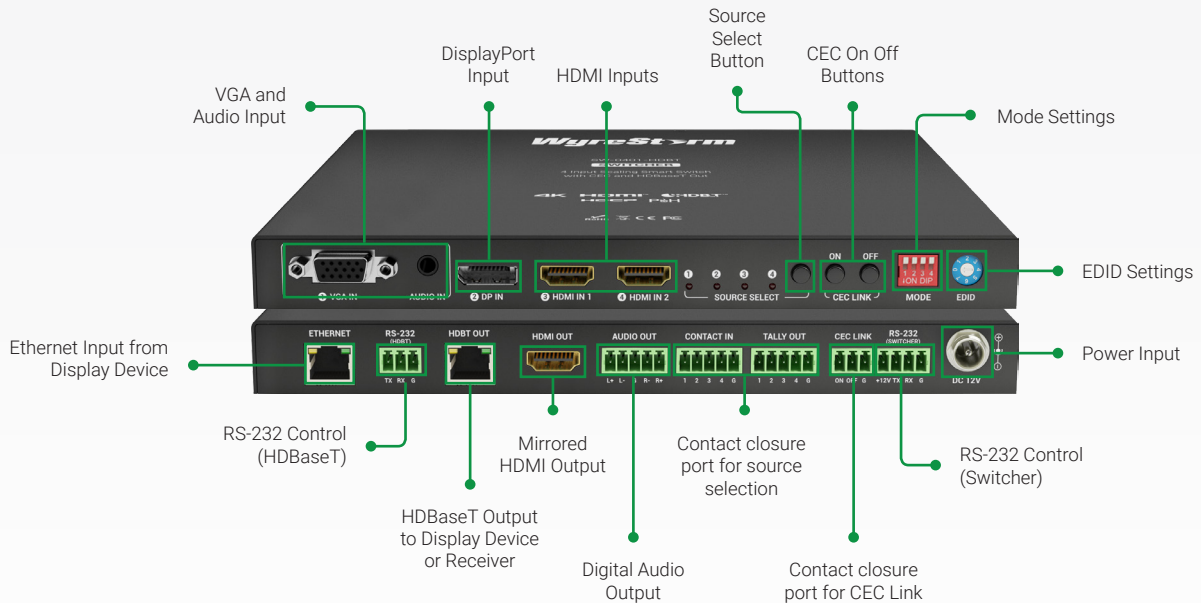


4 Input Scaling Smart Switch with CEC and HDBaseT Out
SW-0401-HDBT



WyreStorm - Because the Technology Matters.

Introduction

Slotting in neatly between our existing SW-0201-4K and the SW-0501-HDBT presentation switchers, the SW-0401-HDBT is a scaling, multi-format 4-to-1 switcher for corporate huddle rooms and meeting spaces featuring VGA + stereo audio, DisplayPort and dual HDMI Inputs to a single Class A HDBaseT and mirrored HDMI Outputs.

All inputs can be switched automatically or manually, with HDMI Inputs able to be scaled up to 4K/30 UHD from both HDMI and HDBaseT Outputs. Balanced audio breakout allows connection to a local audio system and CEC power triggers can be sent to compatible screens to turn on/off sink devices by auto-detecting source status. Boasting DisplayPort within its 4 input options, as well as balanced audio breakout and scaled Class A HDBaseT and HDMI outputs, the SW-0401-HDBT represents a powerful solution for increasingly common huddle and meeting space applications within corporate and education environments.

Key Features

- 4-input smart presentation switch with dual, scaled outputs
- Mirrored HDMI out with up to 4K@30Hz scaler and balanced audio
- Class A HDBaseT for transmission of 4K video, audio, Ethernet, power and control signals
- Supporting transmissions distances of 4K/30Hz to 70m/230ft and 1080p to 100m/328ft
- CEC controller built in to turn on/off sink device by auto-detecting source status
- Automatically switches between VGA, DisplayPort and two HDMI inputs
- 1x VGA+3.5mm stereo up to 1920x1200@60Hz, 1x DisplayPort and 2x HDMI inputs up to 3840x2160@30Hz
- Mirrored HDMI and HDBaseT outputs scales output to 4K
- DIP switch provided to adjust automatic or manual switching mode
- Rotary switch provided to adjust between auto-scaler and forced output resolutions
- RS-232, front panel and CC control (+ LED) of switching
- Contact closure points provided to switch sources or turn on/off sink device
- Auto-switching based on power state and last connected source - switches to the latest source when all inputs are connected or any input disconnected
- PoH HDBaseT output powers RX-70-4K or RX-70-4K-ARC receivers at screen or projector location
- Active CEC technology ensures display devices are in correct power state depending if sources are being used

In the Box

- 1x SW-0401-HDBT Switcher
- 1x 12V DC 3A Power Supply
- 1x AC Power Cord with US Plug
- 1x AC Power Cord with UK Plug
- 1x AC Power Cord with EU Plug

- 2x 3-pin Male Phoenix Connector
- 1x 4-pin Male Phoenix Connector
- 3x 5-pin Male Phoenix Connector
- 2x Mounting Brackets
- 1x Quickstart Guide

Specifications

Audio and Video	
Inputs	1x VGA In: 15-pin Component Video 1x DP In: DisplayPort 1.3 2x HDMI In: 19-pin type A
Outputs	1x HDMI Out: 19-pin type A 1x HDBT Out (Class A): 8-pin RJ-45 Female 1x Audio Out (Analog): 5-pin Phoenix
Output Video Encoding	HDBaseT Class A
Encoding Data Rate	9.2Gbps
End to End Latency	10µs
Audio Formats	2ch PCM Multichannel: Up to Dolby Digital and DTS 5.1ch
Video Resolutions (Max)	HDMI/DisplayPort 1920x1080p @60Hz 12bit (15m/49ft) 1920x1200p @60Hz 12bit (15m/49ft) 3840x2160p @30Hz 4:4:4 8bit (7m/23ft)
	Using Cat6 1920x1080p @30Hz 12bit (100m/328ft) 1920x1200p @60Hz 12bit (100m/328ft) 3840x2160p @30Hz 4:4:4 8bit (70m/230ft)
	Using Cat6a/7 1920x1080p @30Hz 12bit (100m/328ft) 1920x1200p @60Hz 12bit (100m/328ft) 3840x2160p @30Hz 4:4:4 8bit (100m/328ft)
Color Depth	1080p: 12bit 4K: 8bit
Maximum Pixel Clock	297MHz
Communication and Control	
HDMI	HDMI 1.4 HDCP 1.4 EDID CEC DVI/D supported with adapter (not included)
HDBaseT	HDMI 1.4 HDCP 1.4 EDID CEC RS-232 Ethernet
Contact Closures	1x Tally Out: 5-pin Phoenix 1x Contact In: 5-pin Phoenix
RS-232	1x RS-232 (Switcher): 4-pin Phoenix 1x RS-232 (HDBT): 3-pin Phoenix (Bidirectional)
Ethernet	1x Ethernet: 8-pin RJ-45 Female 10/100Mbps Bidirectional over HDBaseT
CEC Link	1x CEC Link: 3-pin Phoenix
Power	
Power Supply	12V DC 3A
PoH	IEEE 802.3af 15.4W
Max Power Consumption	22w (Includes PoH)
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
Maximum BTU	76 BTU/hr
Dimensions and Weight	
Rack Units/Wall Box	<1U
Height	21mm/0.83in
Width	220mm/8.67in
Depth	164.2mm/6.47in
Weight	0.82kg/1.8lbs
Regulatory	
Safety and Emission	CE FCC RoHS

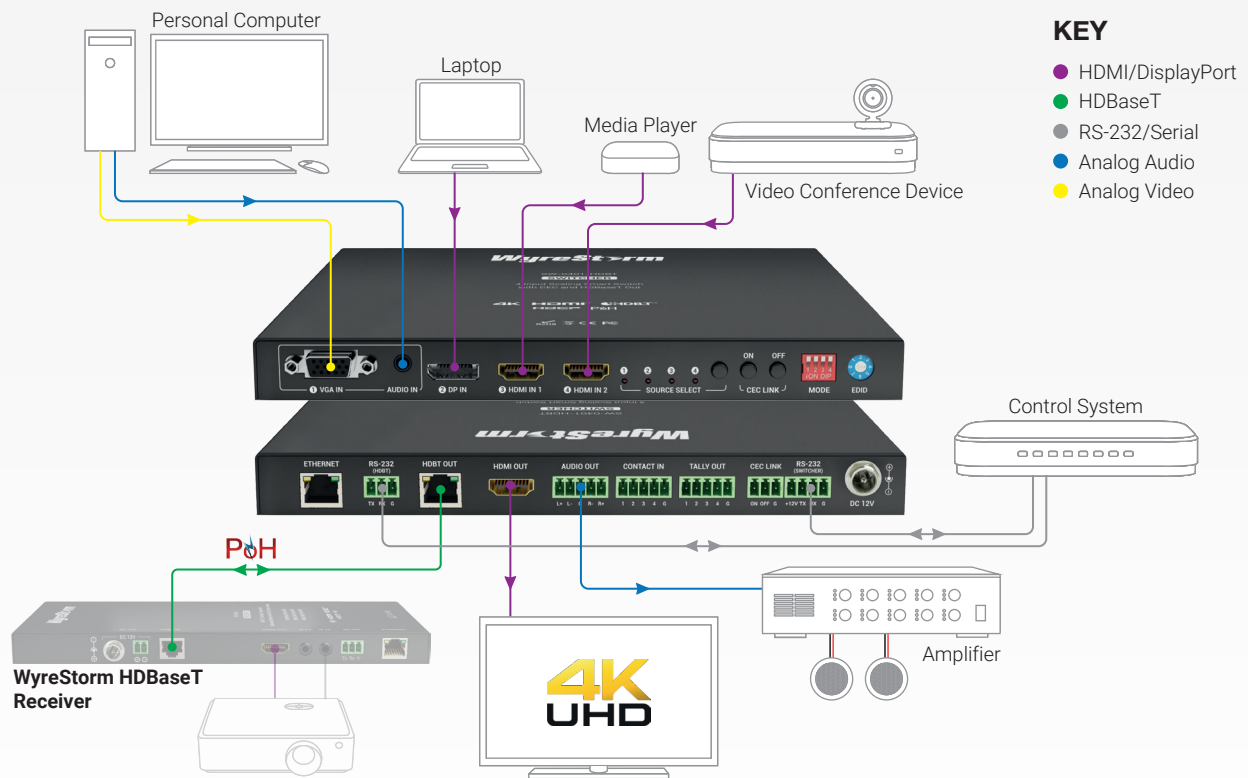
Related products

[RX-70-4K](#) 70m/230ft Class A HDBaseT PoH receiver

[RX-70-4K-ARC](#) 70m/230ft Class A HDBaseT PoH receiver with ARC

[CAB-HAOC-xx](#) Active Optical HDMI cables

Right Product for the Right Application.



Related products

- [RX-70-4K 70m/230ft Class A HDBaseT PoH receiver](#)
- [RX-70-4K-ARC 70m/230ft Class A HDBaseT PoH receiver with ARC](#)
- [CAB-HAOC-xx Active Optical HDMI cables](#)