



*WyreStorm - Powerful. Reliable. Simple.*

## Introduction

2 inputs and powerful HDBaseT 3.0 transmission result in this powerful switching transmitter, perfect for higher education classroom/hall and corporate environments. Automatic or manual switching of HDMI or USB-C and CEC power triggering via HDBaseT means a simple user experience when it matters most. Further functionality allows USB devices to be routed back to the source via USB host (or natively via USB-C) and charging for the connected USB-C device.

## Key Features

- HDBaseT 3.0 Switching Transmitter supporting:
- Uncompressed content up to 4K@60Hz 4:4:4 8bit
- HDCP 2.3 encryption technology ensuring compatibility with the latest 4K UHD content and sources
- HD Multichannel audio up to DTS:X and Dolby Atmos via HDMI
- Compatible with DVI-I and DP++ v1.3 signals from compatible devices
- USB 2.0 passthrough offering 300Mbps transfer and HID extension
- Features USB-C charging of up to 60 watts (with compatible PSU, not included)
- Supports independent analog audio lane (pass-through) transmitter to receiver
- Bidirectional RS232 and CEC pass-through communication
- Shared RS232 port; API control or passthrough to RX
- Backwards compatible with HDBaseT 1.0 transmission and receiving devices (lowest denominator takes priority)
- Bidirectional PoH

## In the Box

- 1x SW-120-TX3-US/SW-120-TX3-UK In-Wall Transmitter
- 1x 1.8m USB2.0 Type-B to Type-A cable
- 1x 2m USB-C to USB-C Cable with Locking Connector (5Gbps)
- 1x 3-pin Terminal Block
- 1x 2-pin Terminal Block
- 1x Wall Plate (2-gang US) - (US model only)
- 8x Mounting Screws (US model) / 2x Mounting Screws (UK model)
- 1x Quickstart Guide (This Document)
- \*20v 6a PSU Sold Separately

# Specifications

	SW-120-TX3-US	SW-120-TX3-UK
<b>Audio and Video</b>		
<b>Inputs</b>	1x HDMI: 19-pin Type A Female 1x USB-C (USB Alt Mode/Host) 1x RS-232: 3-pin Phoenix (Shared; API Control) 1x Line-In 3.5mm (1/8in) TRS Stereo 1x Type B host	
<b>Outputs</b>	1x HDBT: 8-pin RJ45 1x RS-232: 3-pin Phoenix (Shared; Passthrough)	
<b>Max Video Resolution</b>	1920x1080p @60Hz 12bit 3840x2160 @60Hz 4:4:4 8bit 5120x2160 @30Hz 5120x2160 @60Hz 4:2:0	
<b>Output Video Encoding</b>	Format: HDBT Encoding Data Rate: 18Gbps End to End Latency: 10µs (microseconds)	
<b>Audio Formats</b>	1x Audio In: 3.5mm (1/8in) TRS Stereo 2ch audio over HDBaseT   1-way to RX	
<b>Supported Standards</b>	DCI   RGB   HDR10   Dolby Vision   HLG   BT.2020   BT.2100	
<b>Maximum Pixel Clock</b>	600Mhz	
<b>Communication and Control</b>		
<b>HDMI</b>	HDMI   HDCP 2.3   EDID   CEC Pass-through	
<b>HDBaseT</b>	HDMI   USB   HDCP 2.3   EDID   2-way PoH   Bidirectional RS-232   CEC	
<b>USB</b>	1x Type B (Host)   Maximum data throughput: 300Mbps	
<b>RS-232</b>	1x RS-232: 3-pin Phoenix	
<b>Power</b>		
<b>Power Supply</b>	20V DC 6A (Sold separately)	
<b>Power Consumption</b>	6.61w	
<b>Environmental</b>		
<b>Operating Temperature</b>	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing	
<b>Storage Temperature</b>	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing	
<b>Maximum BTU</b>	3.41 BTU/hr	
<b>Dimensions</b>		
<b>Length x Width x Height</b>	89mm x 36.3mm x 105.6mm/3.50" x 1.43" x 4.16"	146mm x 37.6mm x 86mm/5.74" x 4.15" x 4.16"
<b>Weight</b>	0.36kg/.79lbs	
<b>Regulatory</b>		
<b>Safety and Emission</b>	CE   FCC   RoHS   RCM   EAC   UKCA	

**Note:** WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.