**Introduction**

When the next generation of HDBaseT transmission meets WyreStorm’s presentation switcher platform, the result is this powerful switching transmitter, perfect for corporate meeting and classroom environments. Automatic switching inputs with USB host extension and CEC triggering mean an autonomous experience with no user input required.

**Key Features**

- Professional switching transmitter for education or corporate meeting rooms
- Automatic or manual switching between HDMI, VGA, DisplayPort and USB-C inputs
- Bidirectional USB2.0 for connection of webcams, smart touchscreens and microphones
- USB-C input supports Alt-mode functionality for AV and USB device connection through a single cable
- Automatic or manual CEC triggering for compatible connected screens or projectors
- Supports source content up to 4K/60 4:2:0 with HDCP 2.2

**In the Box**

1x SW-510-TX Transmitter  
1x 12V DC Power Supply (US/UK/EU)  
1x IR Receiver  
2x Mounting Brackets  
1x 3-pin Screw Down Phoenix Connector  
1x 4-pin Screw Down Phoenix Connector  
1x Quickstart Guide
## Specifications

### Audio and Video

**Inputs**
- 1x VGA In: 15-pin VGA
- 1x Display Port In: DisplayPort 1.3
- 1x HDMI In: 19-pin type A
- 1x Audio In: 3.5mm (1/8in) TRS Stereo
- 1x Line In: 3.5mm (1/8in) TRS Stereo

**Outputs**
- 1x HDMI Out: 19-pin type A
- 1x HDBT Out: 8-pin RJ-45 Female

**Video Encoding**
- HDBaseT Class C

**Encoding Data Rate**
- 9.2Gbps

**End to End Latency**
- 10μs (micro seconds)

**Audio Formats**
- 2ch Analog/PCM | Multichannel: LPCM

### Video Resolutions (Max)

<table>
<thead>
<tr>
<th>Video Resolution</th>
<th>HDMI</th>
<th>Cat6</th>
<th>Cat6a/7</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920x1200p @60Hz 8bit</td>
<td>15m/49ft</td>
<td>150m/492ft</td>
<td>150m/492ft</td>
</tr>
<tr>
<td>1920x1080p @60Hz 8bit</td>
<td>15m/49ft</td>
<td>150m/492ft</td>
<td>150m/492ft</td>
</tr>
<tr>
<td>3840x2160p @30Hz 8bit 4:4:4</td>
<td>7m/23ft</td>
<td>100m/328ft</td>
<td>100m/328ft</td>
</tr>
<tr>
<td>4096x2160p @60Hz 8bit 4:2:0</td>
<td>7m/23ft</td>
<td>100m/328ft</td>
<td>100m/328ft</td>
</tr>
</tbody>
</table>

**Supported Standards**
- DCI | RGB

**Maximum Pixel Clock**
- 297MHz

### Communication and Control

**HDMI**
- HDMI | HDCP 2.2 | EDID | DVI/D supported with adapter (not included)

**HDBaseT**
- HDMI | HDCP 2.2 | EDID | CEC | 2ch audio | USB

**Ethernet**
- 2x 8-pin RJ-45 female | Bidirectional over HDBaseT

**RS-232**
- 1x RS-232 (Control): 3-pin Phoenix | 1x RS-232 (Passthrough): 3-pin Phoenix

**IR**
- 1x IR RX: 3.5mm (1/8in) TS Mono

**USB**
- 1x USB-C: USB 3.1 Audio/Video | 2x USB Host: USB-B | 3x USB Device: USB-A

### Power

**Power Supply**
- 12V DC 2A

**Max Power Consumption**
- 14.02W

### 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**
- 56.3BTU/hr

### Dimensions and Weight

**Rack Units/Wall Box**
- <1U

**Height With | Without Feet**
- 44.5mm/1.76in | 42mm/1.66in

**Width With | Without Brackets**
- 263mm/10.36in | 220mm/8.67in

**Depth With | Without Handles**
- 148.7mm/5.86in | 148.7mm/5.86in

**Weight**
- 0.97kg/2.13lbs

### Regulatory

**Safety and Emission**
- CE | FCC | RoHS
Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.