**In-Wall 4K HDR HDBaseT™ Transmitter and Receiver Kit with PoH**

(4K: 70m/230ft | 1080p: 100m/328ft)

**TX-SW-IW-0201-KIT**

**Specification Sheet**

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**Introduction**

The TX-SW-IW-0201-KIT in-wall transmitter features front-facing HDMI & VGA inputs set into a 2-Gang decora wall plate for inconspicuous local connectivity and control and the included HDBaseT™ receiver can be placed up to 100m/328ft away carrying video, audio & control signals whilst delivering power back to the TX.

**Key Features**

- Complete 2-Gang Decora in-wall Class A HDBaseT™ transmitter and standalone receiver kit
- Supports HDMI and VGA with audio inputs with automatic input detection (HDMI preferred)
- Follows first in, last out rule
- Extends 4K UHD video with HDR (HDMI only) up to 70m/230ft or 1080p to 100m/328ft over single Cat6 using HDBaseT™ technology
- Class A HDBaseT™ support: 4K/HD video, multichannel audio, Ethernet passthrough, bidirectional control (IR & RS-232) and Power over HDBaseT™
- TX and RX capable of being powered locally or remotely via PoH
- HDCP 2.2 compliant

**Additional features on Transmitter**

- Powered either locally or remotely from included receiver or PoH compatible matrix if used as part of a WyreStorm matrix switcher system
- Automatic input detection - HDMI preferred
- Built-in IR receiver window for easy TV/projector control, EDID management and automatic input detection

**Additional features on Receiver**

- Supports serial routing and CEC passthrough when used as part of compatible matrix system
- Transmits discrete wide-band bidirectional IR control signal/routed serial commands from compatible matrix together within the HDMI signal
- Multichannel audio up to Dolby Atmos and DTS:X
- Switchable RS-232 selection for firmware update
- Additional phoenix port and threaded DC for use of both standard and locking DC power plugs
- Visual LED indication for power supply, signal status to show display connection, HDCP in signal and Link between HDBaseT™ devices
- Automatically adjusts feedback, equalization and amplification of signal

**In the Box**

1x TX-SW-IW-0201 Wall Plate Transmitter
1x RX-70-4K Receiver
2x 3-pin Plug-in Phoenix Connector
3x 2-pin Plug-in Phoenix Connector

1x Wide-band IR Emitter
1x Wide-band IR Receiver (30-50KHz)
1x Decorative Wall Plate with 4 screws
4x 6-32x20mm Wall Plate Installation Screws

2x Receiver Mounting Brackets
1x 12v 2A PSU
1x TX-70-POH Quickstart Guide
1x RX-70-4K Quickstart Guide
## Specifications

### Audio and Video

<table>
<thead>
<tr>
<th></th>
<th>Transmitter</th>
<th>Receiver</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inputs</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1x HDMI 19-pin type A</td>
<td></td>
<td>1x HDBaseT 8-pin RJ-45 female</td>
</tr>
<tr>
<td>1x VGA In 15-pin VGA VESA (D-SUB 15)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1x Audio In 3.5mm (1/8in) Stereo Jack</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Outputs</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1x HDMI 19-pin type A</td>
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<td>1x HDBaseT 8-pin RJ-45 female</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Audio Formats</strong></td>
<td>2ch PCM</td>
<td>Up to 7.1 DTS Master HD and Dolby True HD</td>
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</tbody>
</table>

### Video Resolutions (Max)

<table>
<thead>
<tr>
<th>Resolution</th>
<th>VGA</th>
<th>HDMI</th>
<th>Cat6</th>
<th>Cat6a/7</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920x1080p @60Hz 12bit</td>
<td>7m/23ft</td>
<td>15m/49ft</td>
<td>100m/328ft</td>
<td>100m/328ft</td>
</tr>
<tr>
<td>1920x1080p @60Hz 16bit</td>
<td>N/A</td>
<td>7m/23ft</td>
<td>70m/230ft</td>
<td>100m/328ft</td>
</tr>
<tr>
<td>1920x1200p @60Hz 8bit</td>
<td>7m/23ft</td>
<td>15m/49ft</td>
<td>100m/328ft</td>
<td>100m/328ft</td>
</tr>
<tr>
<td>3840x2160p @30Hz 4:4:4 8bit</td>
<td>N/A</td>
<td>7m/23ft</td>
<td>70m/230ft</td>
<td>100m/328ft</td>
</tr>
<tr>
<td>4096x2160p @24Hz 4:2:0 8bit</td>
<td>N/A</td>
<td>7m/23ft</td>
<td>70m/230ft</td>
<td>100m/328ft</td>
</tr>
</tbody>
</table>

### Supported Standards

- DCI | RGB

### Maximum Pixel Clock

- 297MHz

### Communication and Control

#### HDMI

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

#### HDBaseT

- HDCP 2.2 | EDID | 1-way PoH (RX to TX) | Bidirectional IR, RS-232, and Ethernet

#### Ethernet

- 1x Ethernet: 8-pin RJ-45 Female | Bidirectional over HDBaseT

#### IR

- Transmitter: 1x IR Out 2-pin Screw Down Phoenix Connector
- Receiver: 1x IR TX 3.5mm (1/8in) TS Mono | 1x IR RX 3.5mm (1/8in) TRS Stereo Bidirectional over HDBaseT

#### RS-232

- 1x 3-pin Screw Down Phoenix Connector | Bidirectional over HDBaseT

### Power

#### Power Supply

- TX: 12V DC 1A | RX: 12V DC 2A

#### Max Power Consumption

- TX: 3.4W | RX: 7.2W | TX and RX: 10.6W

### Environmental

#### Operating Temperature

- 32°F ~ 113°F (0°C ~ 45°C) | 10% ~ 90%, non-condensing

#### Storage Temperature

- -4°F to ~ 158°F (-20°C ~ +70°C) | 10% ~ 90%, non-condensing

#### Maximum BTU

- TX: 11.6 BTU/hr | RX: 24.6 BTU/hr | TX and RX: 36.16 BTU/hr

### Dimensions and Weight

<table>
<thead>
<tr>
<th></th>
<th>Transmitter</th>
<th>Receiver</th>
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<tbody>
<tr>
<td>**Rack Units</td>
<td>Wall Box**</td>
<td>2-gang</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>108mm/4.26in</td>
<td>18mm/0.71in</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>106.7mm/4.21in</td>
<td>232mm/9.14in</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>25mm/0.99in</td>
<td>93mm/3.67in</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>0.19kg/0.42lbs</td>
<td>0.5kg/1.1lbs</td>
</tr>
</tbody>
</table>

### Regulatory

- CE | FCC | RoHS