

## The Kramer WP-306 Wall Plate

Congratulations on purchasing your Kramer **WP-306 Wall Plate** which is ideal for boardrooms and presentation rooms.

The **WP-306** is a single-gang wall plate insert.

### WP-306 Wall Plate US Version

[Figure 1](#) and [Table 1](#) define the US version of the **WP-306 Wall Plate**.

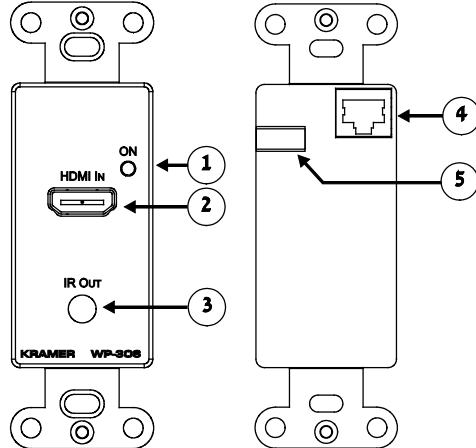


Figure 1: WP-306 Wall Plate US Version Front and Rear View

Table 1: WP-306 Wall Plate US Version Front and Rear Features

#	Feature	Function
1	ON LED	Lights red when receiving power (when no signal is detected); lights green when receiving a signal
2	HDMI IN Connector	Connect to the HDMI digital source
3	IR OUT 3.5mm Mini Connector	Connect to a machine via an IR Emitter. Note, that the IR output is only compatible with the <b>SV-552</b>
4	RJ-45 Connector	Connect to the SV-552 Processor/Controller. Note that the WP-306 requires BC-DGKat524 or BC-DGKat-623 cable for connection
5	DC IN Power Connector	Connect to the 12V power supply (supplied free)

### Wiring the Twisted Pair RJ-45 Connector

The US versions of the wall plates are equipped with RJ-45 terminals. [Figure 2](#) defines the STP pinout using a straight pin to pin cable with RJ-45 connectors. For STP cable, cable shielding must be connected/soldered to the connector shield.

**Note:** For cabling **WP-306** wall plates, use either Kramer **BCP-DGKat524** or **BCP-DGKat623** STP cables.

EIA /TIA 568B	
PIN	Wire Color
1	Orange/White
2	Orange
3	Green/White
4	Blue
5	Blue/White
6	Green
7	Brown/White
8	Brown
<b>Pair 1</b> 4 and 5	
<b>Pair 2</b> 1 and 2	
<b>Pair 3</b> 3 and 6	
<b>Pair 4</b> 7 and 8	

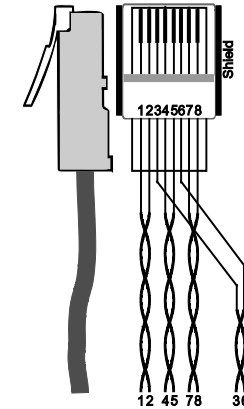


Figure 2: RJ-45 Pinout (U.S.)

### WP-306 Wall Plate EU/UK Versions

[Figure 3](#) and [Table 2](#) define the EU/UK version of the **WP-306 Wall Plate**.

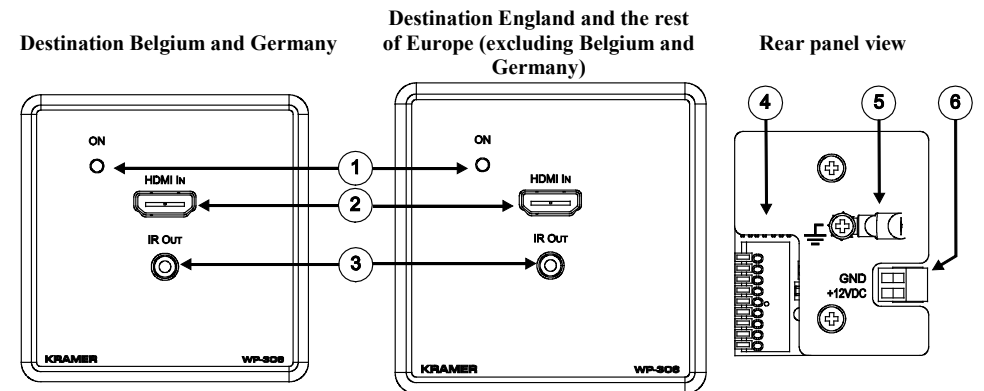


Figure 3: WP-306 Wall Plate EU/UK Version Front and Rear Views

Table 2: WP-306 Wall Plate EU/UK Version Front and Rear Features

#	Feature	Function
1	ON LED	Lights red when receiving power (when no signal is detected); lights green when receiving a signal
2	HDMI IN Connector	Connect to the HDMI digital source
3	IR OUT 3.5mm Mini Connector	Connect to a machine via an IR Emitter. Note, that the IR output is only compatible with the <b>SV-552</b>
4	Terminal Block	Connect to SV-552. Note that the <b>WP-306</b> requires BC-DGKat524 or BC-DGKat-623 cable for connection
5	GROUND Connection	Ring tongue terminal and grounding screw
6	GND +12V 2-pin Power Terminal Block	Connect to the 12V power supply (included)

## Wiring the U.K. and European TP Terminal Blocks

The European wall plates are equipped with an easy plug-in terminal block to attach the twisted pair cables. Follow the colors of the color-coded sticker on these terminals for proper connection of the twisted pair cable.

Figure 4 defines the pinouts for the TP terminal block.

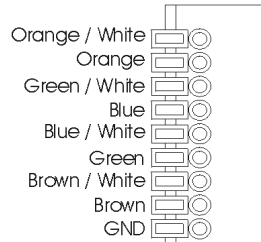


Figure 4: WP-306 Wall Plate EU/UK TP Terminal Block Pinouts

### Notes:

- Use the connector clips when removing the wires, not when inserting them
- Each wire protrudes 9mm in length from the plastic insulation so that it can be easily connected. To prevent the wires crossing, be sure that each wire is completely inserted
- The cable ground shielding must be connected / soldered to the connector shield

## Grounding the Wall Plate

Use the grounding screw to earth the chassis of the unit to the ground of the building. This prevents static electricity from interfering with the product's performance.

Figure 5 defines the grounding screw components.

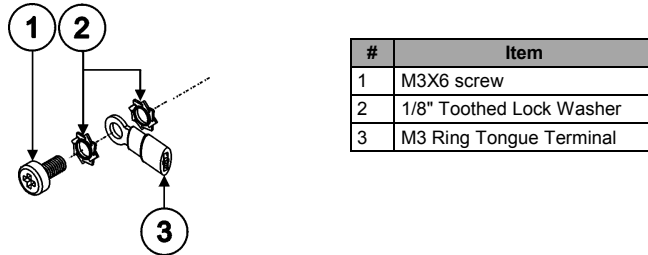


Figure 5: Grounding Screw Components

### To ground the wall plate:

1. Connect the ring tongue terminal to the building grounding point wire. We recommend using a green-yellow AWG#18 wire, crimped with a proper hand-tool.
2. Insert the M3x6 screw through the toothed lock washers and the tongue terminal in the order shown above.
3. Insert the M3x6 screw (through the two toothed lock washers and ring tongue terminal) into the grounding screw hole and tighten the screw.



# WP-306 Wall Plate Installation Instructions

For the latest information on our products and a list of Kramer distributors, visit our Web site at <http://www.kramerelectronics.com>



PN: 2900-000772



Rev: 3

## Kramer Electronics, Ltd.

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