

IMPORTANT:
Go to www.extron.com for the complete user guide, installation instructions, and specifications before connecting the product to the power source.

XTP R HWP 201 • Setup Guide

The XTP R HWP 201 is a single output XTP decorator-style wallplate receiver that can be installed into the provided mud ring or an optional UL Listed metal junction box. This guide provides instructions for an experienced installer to install and connect the XTP R HWP 201.

Throughput, Power, and Control Connectors	Input, Control, and Front Panel Features
A XTP input connector	E Analog audio output connector
B DC power connector	F HDMI output connector
C LAN connector	G USB configuration connector
D RS-232 and IR Over XTP connector	H HDMI audio switch connector
	I Reset button

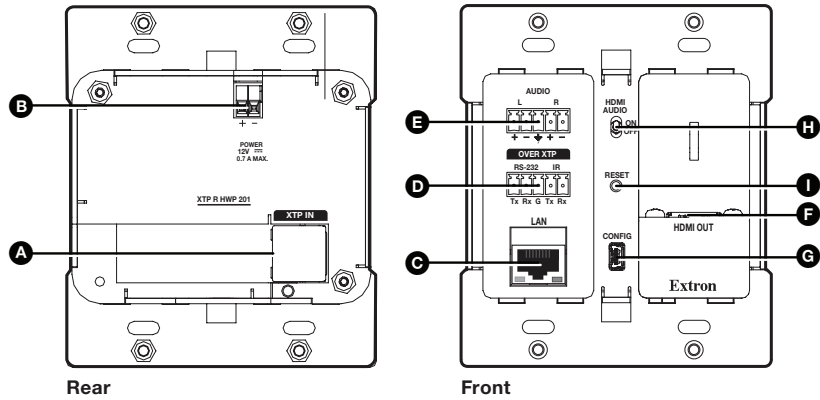


Figure 1. XTP R HWP 201 Rear (Left) and Front (Right) Panel Features

Installation

NOTE: If a junction box is required, use a metal box only.

- Ensure the installation meets building, electrical, and safety codes.
- For additional mounting considerations, see the *XTP R HWP 201 User Guide* at www.extron.com. For metal junction boxes, refer to the manufacturer for additional mounting instructions and considerations.

ATTENTION:

- Do not mount multiple devices adjacent to each other in the same metal junction box. Add at least a one gang space between devices.
- Ne procédez pas à une installation juxtaposée des appareils dans le même boîtier de dérivation métallique. Veuillez laisser un espace d'un gang minimum entre chaque appareil.

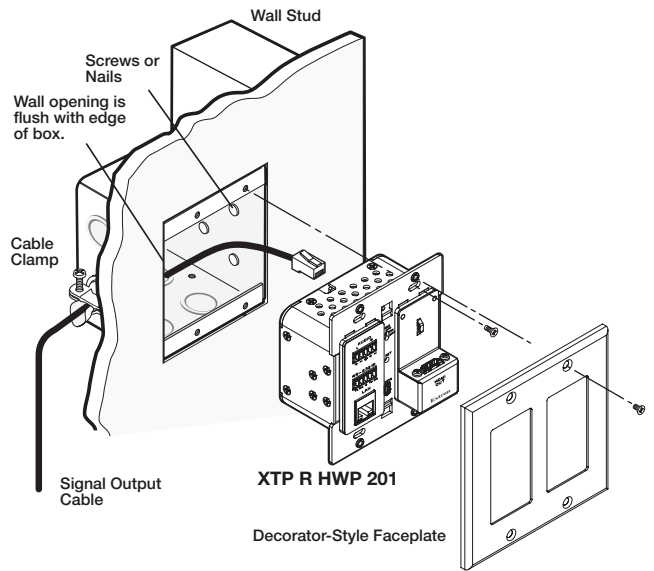


Figure 2. Metal Junction Box Installation

Wall Mount Preparation

1. Using a soft pencil, mark cut guidelines on the mounting surface. For accuracy, use a template or the mounting enclosure.

NOTE: Install junction boxes against a wall stud (see figure 2).

2. Cut a hole in the wall. To avoid making the hole too big, cut inside the marked lines.
3. If using the mud ring in a wall with insulation inside, remove at least 6 inches of the insulation in all directions around the cutout. If a wall stud interferes with removing the insulation, remove as much as possible between the cutout and the wall stud.
4. Test the fit by inserting the mud ring or metal junction box into the hole in the wall. If necessary, enlarge the hole as needed.
5. Install the UL Listed junction box or provided mud ring.
 - **UL Listed metal junction box** — Use mounting screws to fasten the box to a wall stud (see figure 2).
 - **Provided mud ring** — Attach the mounting screws to the mud ring and loosely attach backing clips to the ends of the screws (see figure 3). Fit the mud ring in the opening and then rotate the backing clips to fit snugly against the back of the wall.

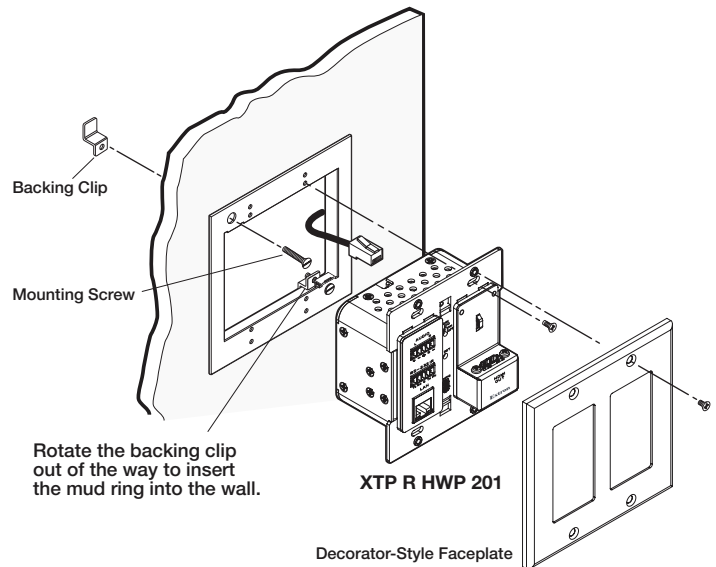


Figure 3. Mud Ring Installation

Rear Panel Connections

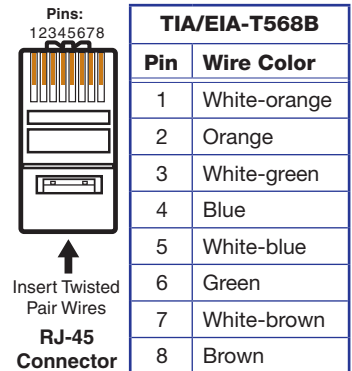
- Connect a twisted pair cable between the XTP connector (see [figure 1, A](#)) on the previous page) of the XTP R HWP 201 and an XTP transmitter.

ATTENTION:

- Do not connect this connector to a computer data or telecommunications network.
- Ne connectez pas ces port à des données informatiques ou à un réseau de télécommunications.

The XTP R HWP 201 is compatible with shielded twisted pair (F/UTP, SF/UTP, and S/FTP) cable. Extron recommends using the following practices to achieve full transmission distances up to 330 feet (100 meters) and reduce transmission errors.

- Use Extron XTP DTP 24 SF/UTP cable for the best performance. At a minimum, Extron recommends 24 AWG, solid conductor, STP cable with a minimum bandwidth of 400 MHz.
- Terminate cables with shielded connectors to the TIA/EIA-T568B standard.
- Limit the use of more than two pass-through points, which may include patch points, punch down connectors, couplers, and power injectors. If these pass-through points are required, use shielded couplers and punch down connectors.



NOTE: When using shielded twisted pair cable in bundles or conduits, consider the following:

- Do not exceed 40% fill capacity in conduits.
- Do not comb the cable for the first 20 meters, where cables are straightened, aligned, and secured in tight bundles.
- Loosely place cables and limit the use of tie wraps or hook-and-loop fasteners.
- Separate twisted pair cables from AC power cables.

- Power the XTP R HWP 201 in one of the following methods:

- Connect the provided external power supply to the 2-pole captive screw connector for local 12 V power (see [figure 1, B](#)).
- Connect an XTP Power Injector to the XTP connection between the transmitter and a locally powered XTP receiver or XTP matrix switcher.
- Connect the XTP R HWP 201 to an XTP matrix switcher and enable the remote power feature on the XTP matrix switcher.

Device Installation

- Using the provided screws, attach the XTP R HWP 201 to the mud ring or metal junction box through the inner screw holes (see [figure 2 or 3](#) on the previous page).
- Using the provided screws, attach the faceplate to the XTP R HWP 201 through the outer screw holes (see [figure 2 or 3](#)).

NOTE: For configuration, control, and firmware upgrades, connect a host device to the USB mini-B connector before attaching the faceplate (see [figure 1, G](#), and see the *XTP R HWP 201 User Guide* for details).

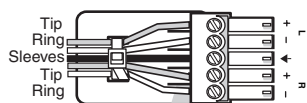
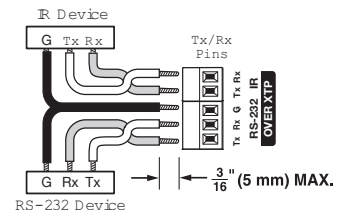
Front Panel Connections

For LAN models, connect a host device or control LAN or WAN to the LAN RJ-45 connector for pass-through 10/100 Base-T Ethernet communication (see [figure 1, C](#)). This is an Ethernet pass-through port.

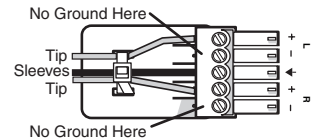
- To pass bidirectional serial, infrared, or other control signals, connect a control device or controllable device to the RS-232 and IR Over XTP connector (see [figure 1, D](#)). Wire the connector as shown to the right.

NOTE: RS-232 and IR data can be transmitted simultaneously.

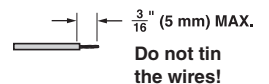
- Connect a balanced or unbalanced, stereo or mono audio output device to the 3.5 mm, 5-pole captive screw connector (see [figure 1, E](#)) for 2-channel stereo analog audio.
- Connect a digital video display to the female HDMI connector (see [figure 1, F](#)).



Balanced Audio Output



Unbalanced Audio Output



Configuration and Control

After the receiver and all connected devices are properly connected and powered on, the system is fully operational. To configure the receiver, connect a host device to the front panel USB configuration port (see [figure 1, G](#)). On the host device, use the Extron System Configuration Software or SIS commands in DataViewer (see the *XTP R HWP 201 User Guide* at www.extron.com for more information).