MPC3-302

3-Series® Media Presentation Controller 302

MPC Media Presentation Controller

The Crestron® MPC3-302 is a wall-mounted, PoE+ (Power over Ethernet Plus) powered 3-Series® automated processor and control panel all in one. The MPC3-302 offers fully-programmable functionality, supports configuration and management via web or cloud-based interfaces, and integrates with Crestron Fusion® software as part of a complete managed enterprise solution.

NOTE: The MPC3-302 can be installed onto a tabletop or other flat surface using the TTK-MP/MPC/IPAC tabletop kit and the optional SMK-MP/MPC/IPAC swivel mount kit. For more information and installation instructions, refer to the TTK/MP/MPC/IPAC & SMK-MP/MPC/IPAC Installation Guide (Doc. 6782) at www.crestron.com/manuals.

Check the Box

Item	Qty
MPC3-302-B or MPC3-302-W	1
Bit, Torx®, T8, Security (P/N 2025915)	1
Key (P/N 2052297)	1
Plate, Metal, Mounting, 6.5 in. x 4.3 in. x 1.5 in. (P/N 2049785)	1
Screw, 4-20 x 3/4 in., Pan Head, Phillips, Thread Forming (P/N 2007140)	6
Screw, 4-40 x 1/4 in., Pan Head, Phillips (P/N 2007156)	6
Screw, 6-32 x 1 in., Pan Head, Phillips (P/N 2007251)	4
Screw, Security, Torx® (P/N 2051148)	1
MPC3-302-B Only	
Button Cap, Black (P/N 2049780)	10
Button Cap, Mute, Black (P/N 2049784)	1
Button Cap, Power, Black (P/N 2049782)	1
Cover, Black (P/N 4527101)	1
Labels, Sources, 30 Piece Set, Black (P/N 4527386)	1
MPC3-302-W Only	
Button Cap, White (P/N 2049779)	10
Button Cap, Mute, White (P/N 4527719)	1
Button Cap, Power, White (P/N 4527718)	1
Cover, White (P/N 4527100)	1
Labels, Sources, 30 Piece Set, White (P/N 4527385)	1

Attach the Mounting Plate

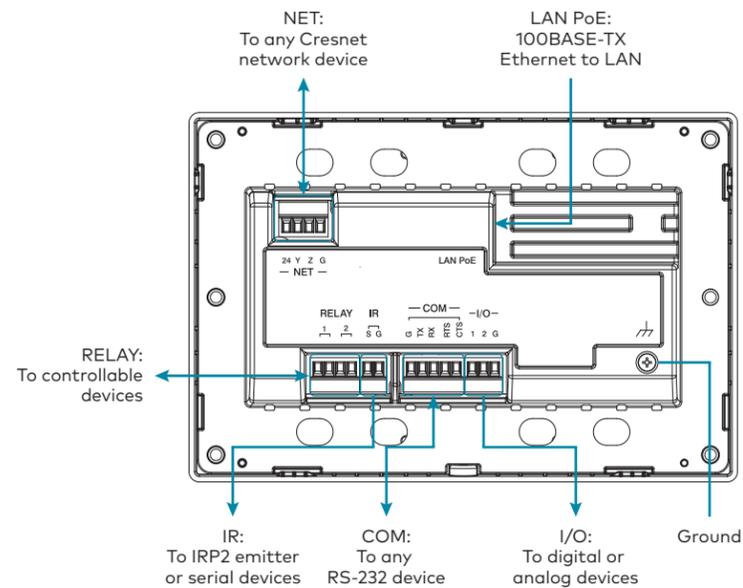The MPC3-302 is designed to install into a 3-gang U.S. electrical box.

- Use the four 6-32 x 1 in. screws to attach the MPC3-302 mounting plate to the electrical box with the "TOP" label properly oriented.
- Ensure that the mounting plate is level and flush against the electrical box after installation.

Drywall surface
3-gang U.S. electrical box
Mounting plate
Screw (4): 6-32 x 1 in.
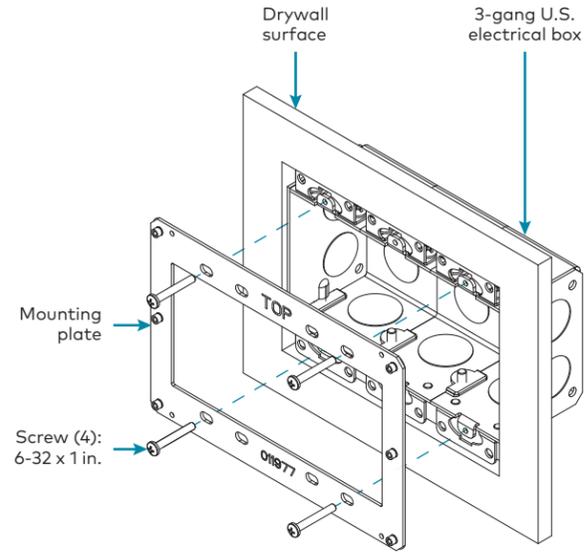
Connect the Device

Route all necessary cables through the rear of the electrical box, and then make connections to the MPC3-302 as shown in the following illustration.

NOTE: Make all cable connections prior to attaching the MPC3-302 assembly to the electrical box.

NET: To any Cresnet network device
LAN PoE: 100BASE-TX Ethernet to LAN
RELAY: To controllable devices
IR: To IRP2 emitter or serial devices
COM: To any RS-232 device
I/O: To digital or analog devices
Ground

Observe the following when making connections to the MPC3-302:

- Use Crestron power supplies for Crestron equipment.
- A single Ethernet cable provides power to the MPC3-302. A PoE+ power supply or a network switch capable of PoE+ is recommended (both sold separately).
- The MPC3-302 must use PoE+ to supply power to a Cresnet® network device via the **NET** connector.
- Ensure that the device is properly grounded by connecting the chassis ground lug to a known earth ground (such as building steel).
- Apply power to the MPC3-302 after all connections have been made.

Install the Device

To install the MPC3-302:

1. Once all cable connections have been made, use the six 4-40 x 1/4 in. screws to attach the MPC3-302 assembly to the mounting plate.
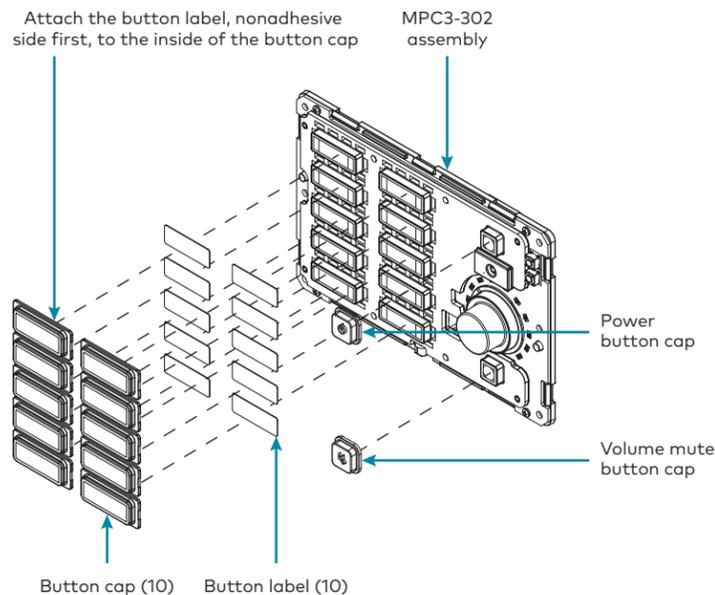

Mounting plate
Screw (6): 4-40 x 1/4 in.
MPC3-302 assembly
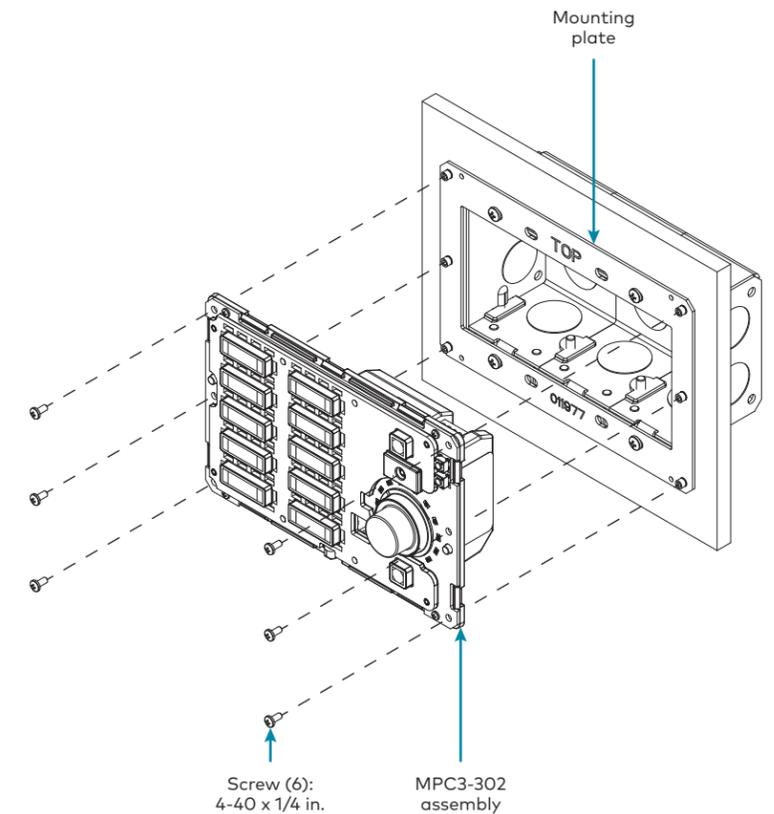
NOTE: The six included 4-20 x 3/4 in. screws are used to attach the MPC3-302 assembly to the TTK-MP/MPC/IPAC enclosure. For more information, refer to the TTK/MP/MPC/IPAC & SMK-MP/MPC/IPAC Installation Guide (Doc. 6782).

2. Attach the ten button caps:

a. Peel the desired button label for a button cap off the label sheet.

b. Press the label into the back opening of the button cap, non-adhesive side first, so the label icon is visible through the window on the front of the button cap.

CAUTION: Do not press the label into the button cap adhesive side first, as the label is difficult to remove if it adheres to the inside of the button cap.


Attach the button label, nonadhesive side first, to the inside of the button cap

MPC3-302 assembly

Power button cap

Volume mute button cap

Button cap (10)   Button label (10)

NOTE: The label icon must be aligned to fit neatly inside of the button cap and should not be skewed, as this may cause the button to not release fully when pressed.

c. Place the button cap, bottom side first, over one of the ten buttons on the assembly. Ensure that the label icon is oriented correctly before attaching the button cap to the assembly.

d. Press against the button cap firmly to adhere it to the button.

e. Repeat this process for each remaining button cap.

3. Align the front panel with the assembly so that all of the buttons align with their respective openings in the panel.

NOTE: If the power and volume mute button caps detach from the assembly during installation, place the button caps over their respective buttons as shown in the illustration above.

4. Press the front panel into the assembly until the panel snaps into place.

MPC3-302 assembly

MPC3-302 front panel
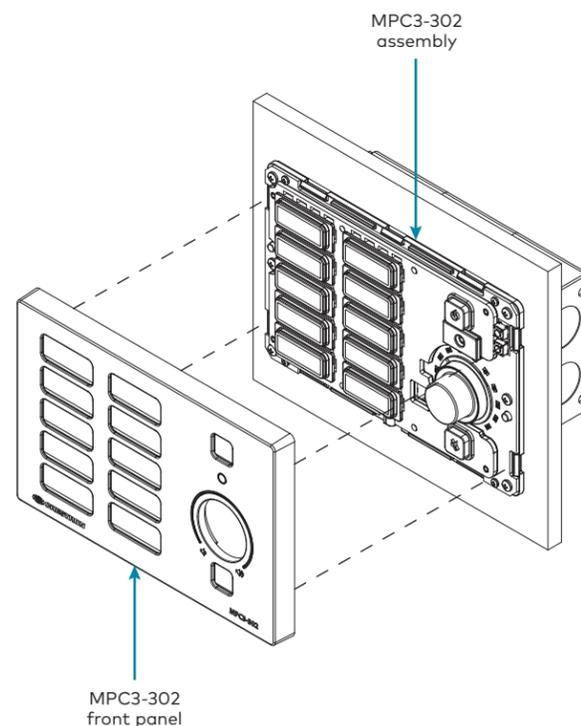
5. Test the buttons to ensure that they can be pressed and released without becoming impeded by the front panel, and test the volume knob by rotating it gently. If any buttons are impeded or if the knob does not rotate easily, remove the panel as described in step 7, adjust the button and front panel placement, and then reattach the front panel.

CAUTION: Do not apply force when rotating the knob, and do not attempt to pull the knob away from the assembly.

6. Using the included drill bit, screw the included Torx® security screw into the screw hole on the bottom of the front panel to secure the panel to the assembly.

MPC3-302 front panel

Torx® security screw
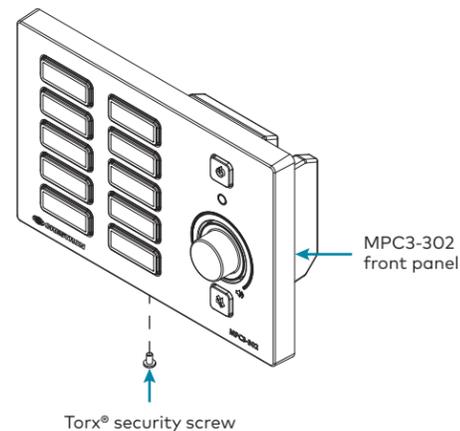
To remove the front panel after installation, do one of the following:

- Grasp both sides of the panel from the bottom, and pull firmly outward until the bottom half of the panel detaches from the assembly. Then, pull the top half of the panel firmly outward until it detaches from the assembly.

- If the panel does not detach easily, position the raised edge of the included metal key so that it catches the left or right edge of the bottom of the panel. Then, use the key to pull the panel firmly outward until it detaches from the assembly.

Program the Device

Use the Device Discovery tool in Crestron Toolbox™ software to discover the MPC3-302 and its IP address on the network, and then perform any necessary programming via TCP/IP over an Ethernet connection. For more information on device discovery and programming, refer to the appropriate sections of the embedded Crestron Toolbox help file.

Connect to Crestron XiO Cloud® Service (Optional)

The Crestron XiO Cloud® service allows supported Crestron devices across an enterprise to be managed and configured from one central and secure location in the cloud. Supported devices are configured to connect to the service. Use of the service requires a registered Crestron XiO Cloud account.

NOTE: The device may be disconnected from the service by navigating to the Cloud Services tab in Crestron Toolbox software (**Functions** > **Device Info** > **Cloud Services**). For details, refer to the Crestron Toolbox help file.

To connect the device to the Crestron XiO Cloud service:

1. Record the MAC address and serial number that are labeled on the shipping box or rear panel of the device. The MAC address and serial number are required to add the device to the Crestron XiO Cloud environment.

2. Enter the device IP address into a web browser to access the web configuration interface.

3. Click the **Settings** tab.

4. Click **Cloud Settings** to expand the selection.

5. Toggle the **Cloud Configuration Service Connection** switch to **Enabled**.

6. Do either of the following:

- For existing accounts, navigate to https://portal.crestron.io.

- For new accounts, register for an account at www.crestron.com/xio-cloud-registration.

For Additional Information

Scan or click the QR code for detailed product information.

MPC3-302-B