## TT2-100
### Crestron Connect It™ Cable Caddy TT2 Series, US NEMA 5

## DO Install the Device

In addition to the parts in the box, the Crestron® TT2-100 requires tools and parts (not included) for installation.

| QTY | ITEM |
|---|---|
| 1 | #1 Philips screw bit |
| 1 | 4-inch diameter hole saw |
| 1 | Cresnet® network cable |
| 1 | Electric screwdriver with low torque setting |
| 3 | Pass-through cable (FT2A-CBL-PT) |
| 3 | Pass-through cable weight (TT2A-CBL-PT-WGHT-10, optional) |
| 1 | Soft cloth |

The next three sections describe the installation procedure.

**NOTE:**

- For use in portable furnishings only.
- Table surface omitted from all drawings.

### Prepare the Table Opening

1. Cut a 4-inch diameter opening in the table surface with a hole saw.

2. Remove the plastic film from the tape on the support bracket to expose the adhesive surface.

   **NOTE:** The adhesive surface provides a temporary bond between the support bracket and the underside of the table to permit repositioning during the next step.

3. Position the support bracket beneath the table with firm pressure while observing the following.

   - Align the circular cutout in the support bracket with the 4-inch diameter opening in the table.
   - Position the power supply flange directly in front of the primary user (to simplify installation and wiring).



Screw hole — Mounting base
Logo — Bezel (black or gray)
— 4-inch diameter table opening (cut with hole saw)
Tape — Support bracket (mounted under table)
— Power supply flange with rectangular slots (position directly in front of the primary user)
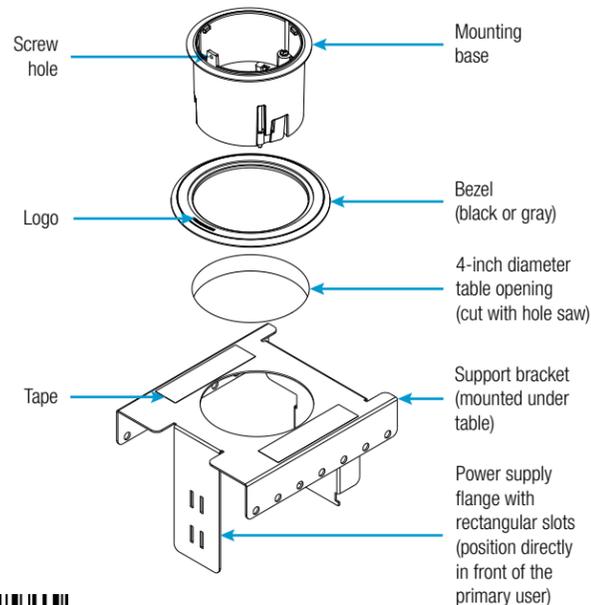
4. Secure the assembled items (mounting base, bezel, and support bracket) to the table.

   a. Select and position a bezel over the hole in the table and insert the mounting base through the bezel and hole.

   b. Rotate the bezel and mounting base so that the Crestron logo on the bezel aligns with the exposed screw hole on the mounting base and is positioned directly in front of the primary user.



Logo on bezel must align with screw hole on mounting base — Screw
— Swiveling clamp
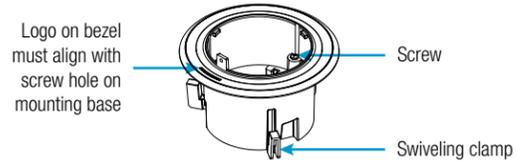
   c. Carefully tighten the three screws within the opening of the mounting base with a #1 screw bit and an electric screwdriver on a low torque setting. Observe that three swiveling clamps on the mounting base rotate to tighten the assembled items to the table.

5. Secure the supplied power pack to the support bracket.

   a. Slide the power pack into the power supply holder.

   b. Insert the power supply holder with four mounting posts into the power supply flange.

   c. Slide the holder downward until secured to the flange.

   d. Attach the supplied power cord to the power pack.



Support bracket
Power pack
Power pack cable
Power supply flange with rectangular slots
Power supply holder
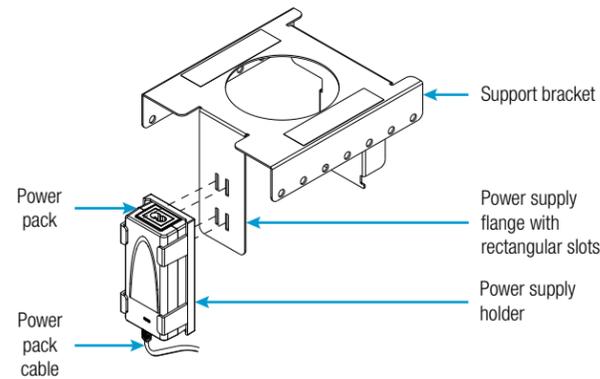
6. Pass all cables connecting to the TT2-100 and located under the table up through the opening (the power pack cable and the USB or Cresnet cable).

## DO Check the Box

| QUANTITY | ITEM | PART NUMBER |
|---|---|---|
| 1 | Bezel, Black | 2049803 |
| 1 | Bezel, Gray | 2049796 |
| 1 | Bracket, Support | 4528017 |
| 3 | Cable Guide | 2048798 |
| 1 | Cable, USB 2.0, A - Micro B, 6' (1.83 m) | 2047803 |
| 1 | Connector, 3-Pin | 2003575 |
| 1 | Holder, Power Supply | 2048887 |
| 1 | Mounting Base | 4526274 |
| 1 | Power Cord, 5' 10" (1.78 m) | 2042043 |
| 1 | Power Pack, 24 Vdc, 2.5 A, 100-240 Vac | 2045873 |
| 7 | Screw, 4-40 x 3/8", Pan Head, Philips | 2007170 |
| 6 | Tie Wrap, Releasable | 2052081 |

### Prepare the Wiring

**NOTE:** Only use Crestron FT2A-CBL-PT pass-through cables. The unique design allows these flat cables to reliably slide through the 90-degree bends in the TT2-100 for long-lasting durability.

1. Lay the TT2-100 main assembly on the table next to the opening. This assembly (also known as the core) consists of cap and dangling ac cables.

2. The TT2-100 houses up to three pass-through cables. Place the cap upside down on a soft cloth (to protect the cap from scratches) and insert a single pass-through cable into a cable opening. A cable guide and pair of screws secures each installed cable.

   a. Position the pass-through cable into a cable opening (verify that the connector marked **IN** is facing the user).

   b. Slide a cable guide over the pass-through cable to enclose the opening. The cable guide has two vertical tabs that slide down into the slots of the cable opening. Both tabs must be seated properly to surround the pass-through cable.

   c. Secure the cable guide with two screws.



Pass-through cable (FT2A-CBL-PT)
Cap
Screw
Cable guide
Cable opening
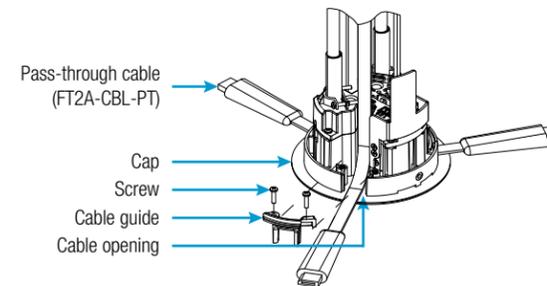
3. Connect the power pack cable and either the USB or Cresnet cable to the connectors located on the underside of the cap. Refer to "DO Connect the Device" for details about each connection.

4. To prevent disconnects, secure the cables from the previous step with a single tie wrap fastened to one of the three openings in the tie wrap bar between the connectors.



Tie wrap bar (between connectors)
Enlarged view
Cap (underside)
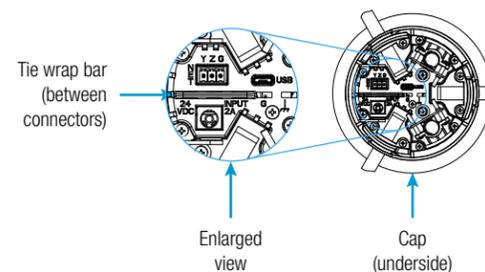
5. Position the core with pass-through cables attached over the table opening and carefully lower the assembly into the hole, cables first.



Pass-through cable (FT2A-CBL-PT)
Cap
Heat sink shield
Block
Table opening
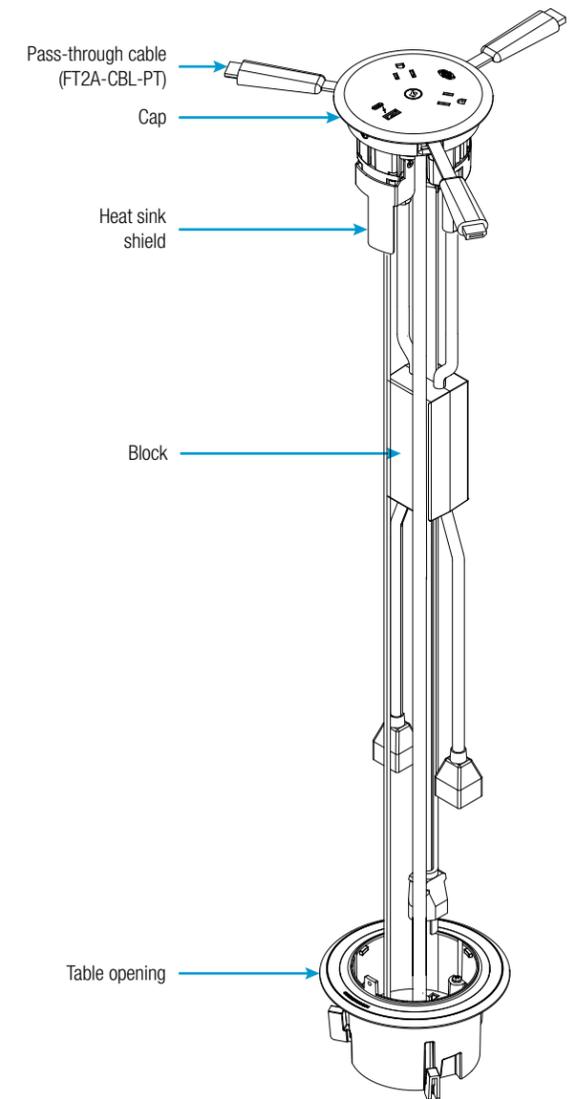
6. Attach the cap to the mounting base.

   a. Position the cap above the opening so that the heat sink shield aligns with the exposed screw hole on the mounting base.



   Cap
   Heat sink shield
   Screw hole
   Screw
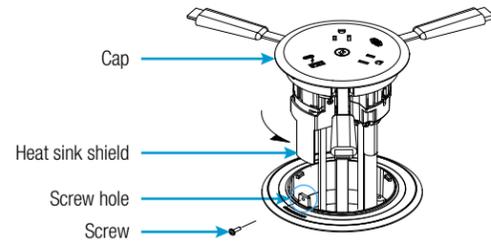
   b. Lower the cap and twist counterclockwise until it stops.

   c. Secure the cap to the mounting base with a screw.

## Complete the Assembly

1. Secure the power cables from beneath the table to clear a path for proper operation.

   a. Separate the two power cables that lie between the cap and the block.

   b. Loop the cables slightly just above the block while positioning the block into its support flange, which lies opposite the power supply flange.

   c. Secure the block to its flange with two tie wraps.



   Cap
   Power supply flange
   Power cables (separated and looped)
   Tie wraps (2)
   Block
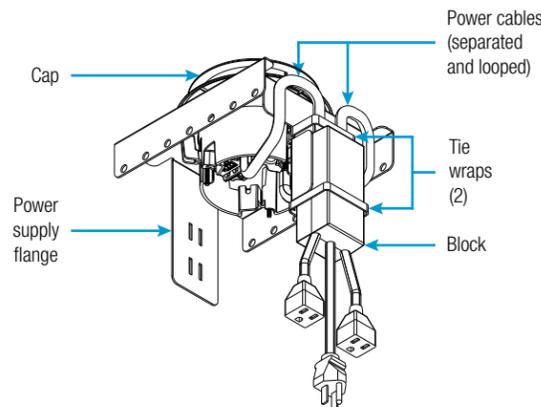
2. Improve the ease of pass-through cable retraction by attaching an optional pass-through cable weight (TT2A-CBL-PT-WGHT-10) to the bottom of the loop of each cable. The position of the weight on the cable determines its usefulness.

   **NOTE:** Ideally, attach the weight just before the cable loop reaches the floor.

   - Positioning the weight closer to the user end restricts the extracted cable length.

   - Positioning the weight further from the user end limits the effectiveness of the weight. It may be necessary to force the cable back into position.

3. Use a tie wrap to secure the loop end of each pass-through cable to the nearest support bracket flange with circular cutouts. Only attach tie wraps to the five central circular cutouts on the support bracket flange. The optional TT2A-UTK-SHROUD (sold separately) attaches to the four outermost cutouts.



   Support bracket flange with circular cutouts (use center five)
   Tie wrap
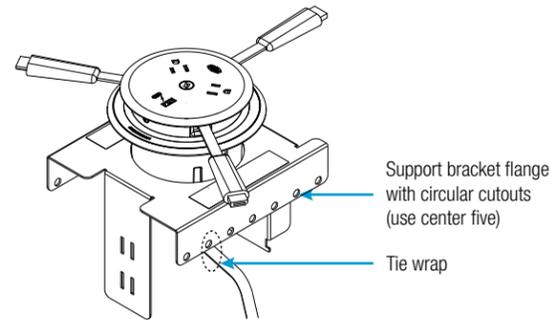
4. Ensure that the loop provides enough cable for the end user.

## DO Connect the Device

Connect the device as required for the application. Use Crestron power supplies for Crestron equipment.

### Connections Below the Cap



   NET port
   Power port
   USB port
   Ground screw
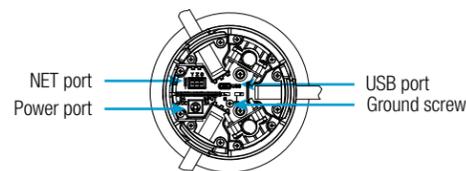
- The **NET** port connects to an optional Crestron control system with a Cresnet cable. The red power lead is not connected and should be terminated.



   Where:
   **Y:** Data (White)
   **Z:** Data (Blue)
   **G:** Ground (Black)
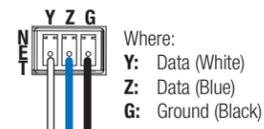
- The **USB** port connects to an optional DigitalMedia™ Presentation System (DMPS3) with the USB cable.

- The power port connects to the supplied power pack. This connection provides power to the TT2-100.

- A ground screw is available if needed.

## User Connections Above the Cap



   US NEMA 5 receptacles (2)
   Button
   USB port, type C
   USB port, type A
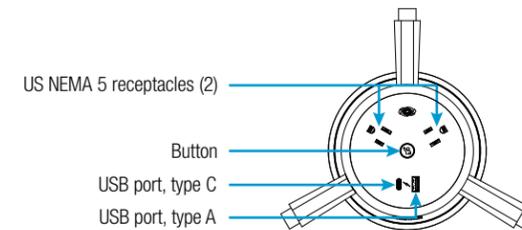
- Two US NEMA 5 receptacles are located on the top cap of the TT2-100 for end users.

   **NOTE:** The TT2-100 provides four US NEMA 5 receptacles with 10 Amps overall capacity. Two other receptacles are located on the bottom of the TT2-100 for installer use. An 8-foot power cord is attached to the bottom of the TT2-100 for plugging into the nearest floor or wall outlet.

- The TT2-100 provides a button on the cap with a multicolored LED indicator. Press the button to show video on a display. Refer to the next section for details.

- USB-C™ connector provides automated, rapid charging based on the device needs (up to 32.5 watts).

- USB-A connector provides the maximum 10.5-watt rapid charging required for devices.

   **NOTE:** USB-A power is limited to 2.5 watts while the USB-C port is charging.

## DO Observe the LED Indicator

The centrally located button on the cap is used to communicate with any Crestron control system or DMPS3 to present video on a display. The button includes a multicolored LED indicator that displays video operation status (detection and display activity). Default LED indicator status is shown in the following table.

| COLOR | DESCRIPTION |
|---|---|
| Blue | Video source is not connected. |
| Blinking Green | Video is detected. The display is turning on. |
| Solid Green | Video appears on the display. |
| Slowly Pulsating Green | Video is detected; however, video does not appear on the display. |
| Red (Blinks 5 Times) | The button on the cap is pressed, no video is detected. After five red blinks, the color reverts to blue. |

A custom program may be created to change the default settings of the button and LED indicator status.

## .AV Framework

The TT2-100 provides direct integration when connected to a **USB** input on a DMPS3 device with a built-in .AV Framework™ program. A Crestron Connect It™ cable caddy may be configured on any USB port being routed to an input device connected to the DMPS3.

**NOTE:** If the DMPS3 device does not have a USB input, the TT2-100 may be connected to the DMPS3 device via the Cresnet network, or it may be connected to a DigitalMedia transmitter with USB inputs that has been added to the .AV Framework.

Set up the .AV Framework program to enable the TT2-100 to perform as follows.

- **Button** - The TT2-100 can be assigned a primary and secondary input channel. A button press routes video to the primary channel if sync is detected and to the secondary input if there is no sync on the primary. If there is no sync on both channels, video defaults to the primary channel.

- **Multicolor LED Indicator** - Blue corresponds to a 'not presenting' state. Solid green represents active routing after the button is pressed.

   **NOTE:** If the user has a TSW series touch screen connected and selects the input channel to which the TT2-100 is connected, the LED indicator changes to green. When the user stops presenting, the LED indicator changes to blue.

   **NOTE:** If the TT2-100 is unplugged and plugged back in, it shall display the last known LED indicator status.

## Out-of-the-Box Functionality

The TT2-100 provides out-of-the-box functionality with five Crestron presentation switchers (DMPS3-4K-150-C, DMPS3-4K-100-C, DMPS3-4K-50, DM-MD8X1-4K-C, and HD-MD8X1-4K). To integrate switching at the table, connect the USB cables from up to four TT2-100s to the **USB** ports (labeled 1 through 4) on a single presentation switcher for power and communication. The auto-switching inputs of these devices support individual HDMI®, VGA, and analog audio connections from each cable caddy. When the center button is pressed, the TT2-100 signals the switcher to display the same numbered HDMI/VGA input associated with the **USB** port to which it is connected.

**NOTE:** Similar behavior is supported using a Crestron 4K multi-window video processor (HD-WP-4K-401-C), except that the processor only has HDMI inputs (there are no VGA or audio connections).

**NOTE:** Presence of an HDMI signal prevents selection of the VGA input.

## DO Learn More

Visit the website for additional information and the latest firmware updates. To learn more about this product, use a QR reader application on your mobile device to scan the QR image.

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