Extron

TLP Pro 525M, 725M, and 1025M Series • Setup Guide

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

Overview

The Extron TLP Pro 525M, TLP Pro 725M, and TLP Pro 1025M are three series of wall mounted capacitive touchscreen touchpanels with a TFT active matrix color LCD screens.

- The TLP Pro 525M series touchpanels have a 5-inch screen with a 800x480 resolution and 24-bit color depth.
- The TLP Pro 725M series touchpanels have a 7-inch screen with a 1024x600 resolution and 24-bit color depth.
- The TLP Pro 1025M series touchpanels have a 10.1-inch screen with a 1280x800 resolution and 24-bit color depth.

They are ideal for any AV application requiring compact touchpanels with flexible mounting options and fully customizable interfaces. This guide provides instructions for experienced installers to mount and install these touchpanels.

Setup Checklist

Get Ready

☐ Download and install the latest version of the following software:

- ☐ **GUI Designer** — For designing layouts for Extron TouchLink® Pro touchpanels and third party touch interfaces.
- ☐ **Global Configurator® Professional and Global Configurator Plus** — For setting up and configuring the control processor and touchpanel.
- ☐ **Toolbelt** — Provides device discovery, device information, firmware updates, and configuration of network settings, system utilities, and user management for TouchLink Pro devices.
- ☐ **Global Scripter®** — Provides an integrated development environment for Extron control systems programming.

NOTE: All four software programs are available from **www.extron.com**.

☐ Obtain the following network information from your network administrator:

- ☐ **DHCP status** — (on or off). If DHCP is off, you must also obtain:
  - ☐ **IP address**
  - ☐ **Subnet mask**
  - ☐ **Gateway**
- ☐ **User name** — This can be either `admin` or `user`.
- ☐ **Password** — By default, this is `extron` (for either admin or user).

☐ Make a note of the touchpanel MAC address.

Mount and Cable All Devices

ATTENTION:

- Do not power on the touchpanels or control processors until you have read the Attention in the “Rear Panel Features” section of the *TLP Pro 525, 725, and 1025 Series User Guide* or the *IPCP Pro User Guide or IPL Pro User Guide*.
- Ne branchez pas les écrans tactiles ou les contrôleurs avant d’avoir lu la mise en garde dans la section « Rear Panel Features » du *TLP Pro 525, 725, and 1025 Series User Guide* ou du *IPCP Pro User Guide or IPL Pro User Guide*.

☐ Mount the units. There are several mounting options for TouchLink Pro touchpanels (see **Mounting** on the next page).

☐ Connect the touchpanel to a Power over Ethernet injector (see **figure 5** on page 5).

☐ Connect the power injector to the LAN and power it on (see **figure 5**).

Set up the Touchpanels for Network Communication

☐ Connect the PC that you are using for setup, the control processor, and the touchpanel **to the same Ethernet subnetwork**.

☐ Use the **Setup Menu** (see page 6) or Toolbelt to set the DHCP status and, if necessary, the IP address, subnet mask, gateway, and related settings for the touchpanel.

Configure the Touchpanels

The *GUI Designer Help File*, the *Global Configurator Help File*, and the *Toolbelt Help File* provide step-by-step instructions and detailed information. The *Global Configurator Help File* includes an introduction to the software and sections on how to start a project and configuration.

Global Scripter provides an Extron-exclusive Python library (ControlScript®) and Global Scripter modules to get you started.

Mounting

All these touchpanels can be wall-mounted, either using a UL-listed junction box, an external wall box, or directly into drywall or furniture. Suitable mounting accessories can be found at **www.extron.com**.

ATTENTION:

- Do not install touchpanels in a fire resistant rated wall or partition assembly.
- Ne pas installer les écrans tactiles sur un mur protégé par un dispositif coupe-feu ou dans une cloison.
- All structural steps and electrical installation must be performed by qualified personnel in accordance with local and national building codes and electrical codes.
- Toute étape structurelle et installation électrique, doit être effectuée par un personnel qualifié, conformément aux codes du bâtiment, aux codes incendie et sécurité, et aux codes électriques, locaux et nationaux.

Figure 1 shows the TLP Pro 725M. Installation for the TLP Pro 525M or TLP Pro 1025M is very similar.

With a Wall Box or Junction Box

Some local building codes require the touchpanel to be mounted in a junction box. Junction boxes or wall boxes must be purchased separately.

NOTES:

- The TLP Pro 525M touchpanels mount to a 1-gang junction box. The TLP Pro 725M and 1025M touchpanels mount to a 2-gang junction box.
- Extron provides four 3/4" #6-32 Philips pan head screws for mounting to US junction boxes
- Extron provides two 16 mm M 3.5 Philips pan head screws for mounting to MK junction boxes
- EU junction boxes are usually provided with their own screws.

With a wall box

1. Install a junction box or wall box (see figure 1, ❶), following the instructions provided by the manufacturer.
2. Fasten the mounting plate to the wallbox (❷) with the provided screws. Use the mounting holes that are appropriate to the junction box you are using (see **figure 2**, on the following page).
3. Run and connect cables to the back of the touchpanel (see **Rear Panel Features** on the following page).
4. The TLP Pro 525M mounting plate has two hooks (one in each top corner). The TLP Pro 725 M and TLP Pro 1025M mounting plate has four hooks (❸), one in each corner (see **figure 2**).

   Position the touch panel so that the mounting slots (see **figure 4**,Ⓓ) in the rear of the touchpanel align with these hooks.
5. Move the touchpanel inward and downward so that touchpanel sits securely on the hooks and the tongue at the bottom of the mounting plate (❹) sits in the groove in the bottom of the touchpanel (see inset, figure 1, ❺).
6. Fasten the touchpanel to the mounting plate with the lock screw (❻).

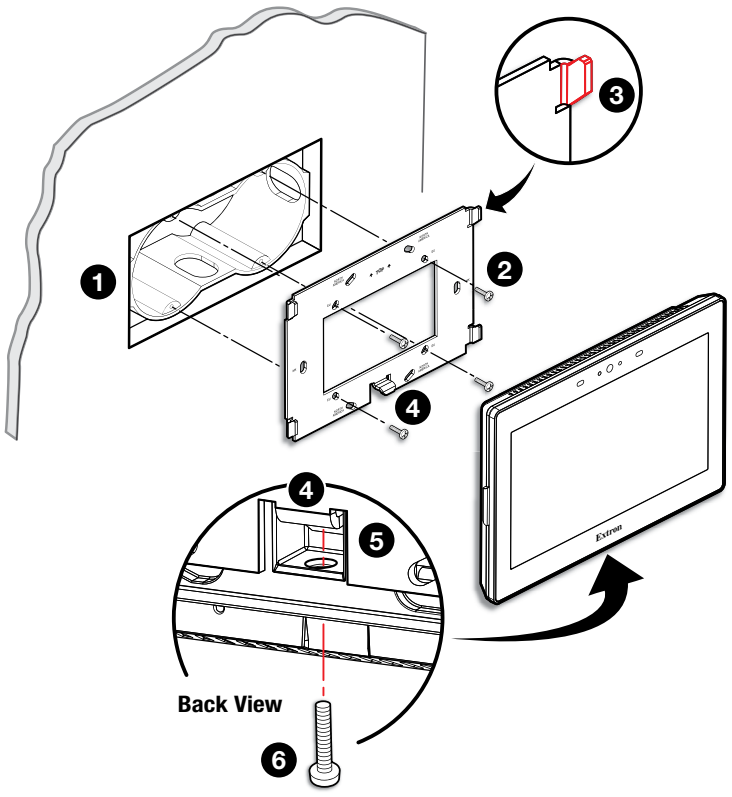


Figure 1. Mounting the TLP Pro 725M with a Junction Box

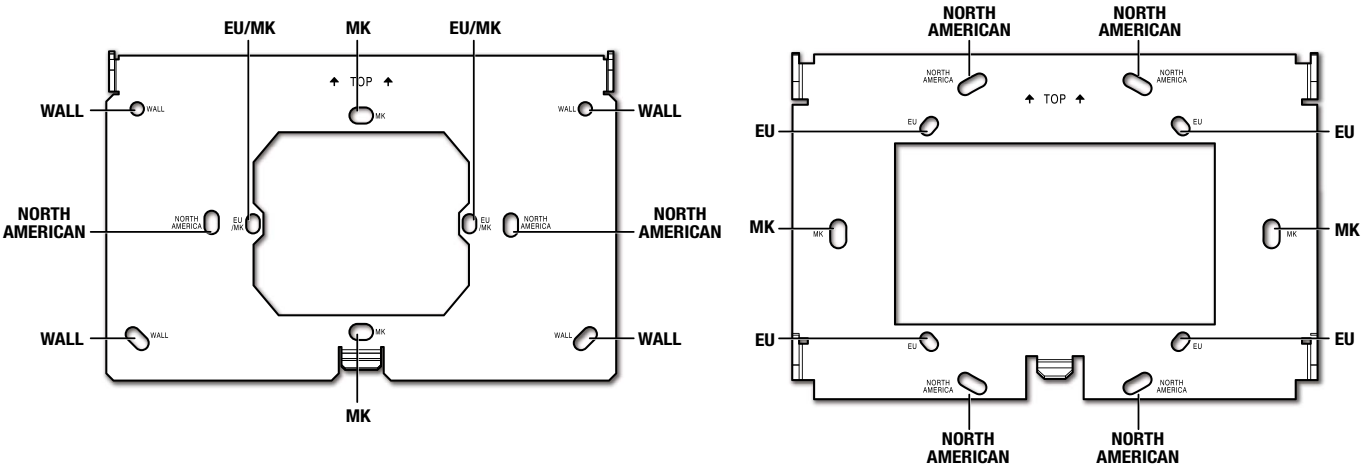


Figure 2. TLP Pro 525M Mounting Plate (left) and TLP Pro 725M and 1025M Mounting Plate (right)

NOTE: The TLP Pro 725M and TLP Pro 1025M series touchpanels use the same mounting plate.

Without a wall box

If the wall box is not required by local building codes, you can mount the touchpanel directly into drywall.

1. Use the mounting plate as a template to mark the wall or download the cut-out template for your product from **www.extron.com**. Place the template or mounting plate against the wall or furniture in a suitable location and ensure that it is level.
2. Mark the position of the hole and cut the wall.
   - For the TLP Pro 525M, this hole is 2.4 inches (61 mm) wide x 2.1 inches (53 mm) high.
   - For the TLP Pro 725M or 1025M, this hole is 3.5 inches (89 mm) wide x 2.0 inches (51 mm) high.
3. Mark the slots labeled WALL (TLP Pro 525M) or MK (TLP Pro 725M or TLP Pro 1025M) (figure 2) and drill the two pilot holes. Extron recommends using two Molly bolts or SnapToggle bolts.
4. Secure the mounting plate to the wall (see **figure 1**, ❷, on the previous page).
5. Complete the installation as described in **steps 3 through 6** on the previous page.

Front Panel Features

Figure 3 shows the front panel of the TLP Pro 725M. The front panels of all the touchpanels have the same features and are almost identical apart from the size.

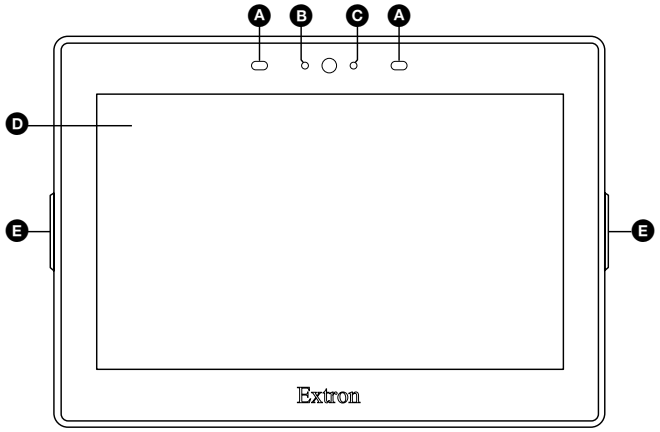


Figure 3. TLP Pro 725M Front Panel

Ⓐ **Motion sensor** — Detects motion between three to five feet from the touchpanel, and at least 15° from the center axis.

- When no motion has been detected for a user-defined period of time, the touchpanel enters sleep mode.
- When motion is detected by the sensor, the screen display is restored and active.

Ⓑ **Communication LED** — Shows the configuration and connection status of the touchpanel:

- Unlit during normal operation (the touchpanel is configured and connected to an IP Link Pro control processor).
- Blinks red if the touchpanel has been configured but is not connected to an IP Link Pro control processor.
- Lit solidly red if the touchpanel has not been configured.

The indicator can be toggled between enabled and disabled, using the **Setup Menu** (see the next page).

Ⓒ **Light sensor** — Monitors ambient light level and adjusts screen brightness.

Ⓓ **Capacitive touchscreen**

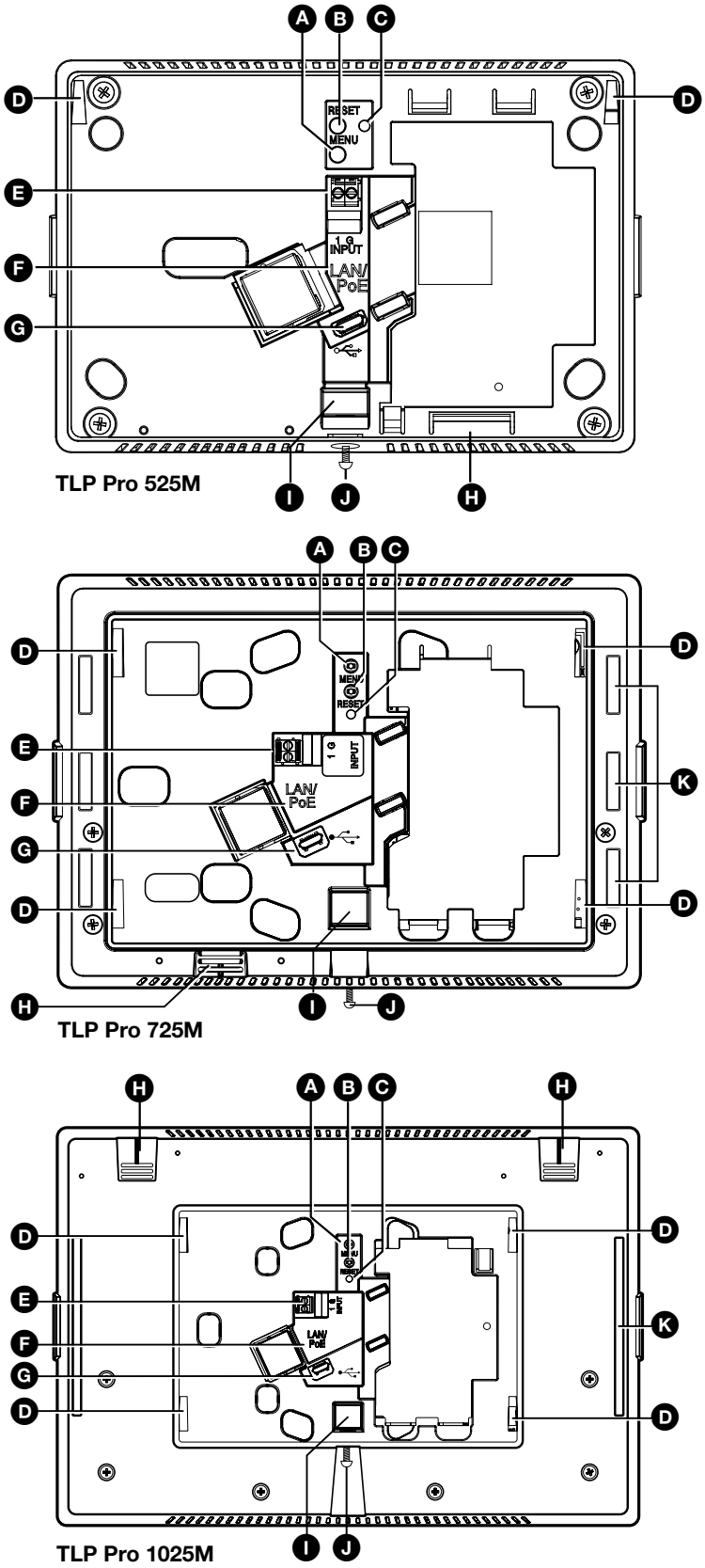
- The TLP Pro 525M series has a 5-inch screen with a 800x480 resolution.
- The TLP Pro 725M series has a 7-inch screen with a 1024x600 resolution.
- The TLP Pro 1025M series has a 10.1-inch screen with a 1280x800 resolution

Ⓔ **Status lights** — Two LED light bars, one on either side of the screen, which can be programmed to provide system feedback.

- Light red or green
- Blink or stay continuously lit

For information about programming these LEDs, see the *Global Configurator Help File* and *Global Scripter Help File*.

Rear Panel Features



NOTE: The panels shown in figure 4 are for illustration only and are not to the same scale.

For more information, follow these links to the next page.

- **A** Menu Button
- **B** Reset Button
- **C** Reset LED
- **D** Mounting Slots
- **E** Digital Input Monitoring Port
- **F** LAN/PoE Connector
- **G** USB Port
- **H** Speaker
- **I** Slot for Mounting Plate
- **J** Mounting Screw
- **K** Rear Panel Status Lights

Figure 4. TLP Pro 525M, 725M, and 1025M Rear Panels

Ⓐ **Menu Button** (see **figure 4** on the previous page)— Activates the setup menu (see **Setup Menu** on the next page).

Ⓑ **Reset Button** — Pressing the **Reset** button allows the unit to be reset in any of three different modes (for an overview, see **Reset Modes**, on the next page).

Ⓒ **Reset LED** — Provides feedback about the reset status when the user presses the **Reset** button (see **Reset Modes**).

Ⓓ **Mounting Slots** — The TLP Pro 725M and TLP Pro 1025M have four, one in each corner. The TLP Pro 525M has two, one in each top corner. The hooks on the corners of the mounting plate (see **figure 1**, ❸ on page 2) fit into these slots for wall mounting.

Ⓔ **Digital Input Monitoring Port** — This two-pole captive screw port (1 = signal and G = ground) monitors digital input with or without a +5 VDC pull-up.

Ⓕ **LAN/PoE Connector** — Connect the touchpanel to a PoE power injector (not provided) using a twisted pair cable, terminated with an RJ-45 connector. Connect the power injector to the LAN through a nework switch. An Extron IP Link Pro control processor must also be connected to the same network as the TouchLink Pro touchpanel.

ATTENTION:

- The TLP Pro 525M, TLP Pro 725M and TLP Pro 1025M are Power over Ethernet (PoE 802.3af, class 3) compliant. Do not power on the touchpanels until you have read the Attention in the "Rear Panel Features" section of the *TLP Pro 525, 725, and 1025 Series User Guide*.
- Le TLP Pro 525M, le TLP Pro 725M et le TLP Pro 1025M supportent l'alimentation via Ethernet (PoE 802.3af, classe 3). Veuillez lire la partie « Attention » dans la section « Rear Panel Features » du *TLP Pro 525, 725, and 1025 Series User Guide*, avant de mettre sous tension les écrans tactiles.

NOTE: These touchpanels are shipped without a power injector. The power injector must be purchased separately.

Extron recommends the Extron XTP PI 100 power injector (see figure 5). Your power injector may look different.

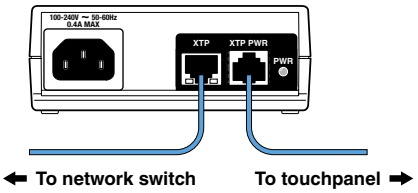


Figure 5. XTP PI 100 Power Injector

Ⓖ **USB Port** — Compatible with USB 2.0.

Ⓗ **Speaker** — Provides audible feedback for the user.

- TLP Pro 525M — a single speaker
- TLP Pro 725M — a single speaker
- TLP Pro 1025M — two (dual mono) speakers

Ⓘ **Slot for Mounting Plate** — The tongue at the bottom of the mounting plate (see **figure 1**, ❹) fits into this slot, for wall mounting.

Ⓙ **Mounting Screw** — Tightens against the tongue of the mounting plate to secure the touchpanel.

Ⓚ **Rear Panel Status Lights**

- **TLP Pro 525M** — no lights
- **TLP Pro 725M** — Six lights, three on each side of the panel
- **TLP Pro 1025M** — Two lights, one on each side of the panel

These lights can be programmed to provide system feedback:

- light red or green
- Blink or stay continuously lit

The rear panel status lights can be toggled between enabled and disabled by using the **Setup Menu** (see the next page).

For information about programming these LEDs, see the *Global Configurator Help File* and *Global Scripter Help File*.

Reset Modes: a Brief Summary

These touchpanels provide the following reset modes (see the *TLP Pro 525, 725, and 1025 Series User Guide* for complete information):

- **Use Factory Firmware** — With the unit powered off, press and hold the **Reset** button (see figure 4, Ⓑ on the previous page) while reapplying power to the unit. Use this mode with Toolbelt software to replace firmware in the event of conflicts arising from uploading a firmware update.
- **Reset All IP Settings** — Press and hold the **Reset** button for 6 seconds. After the Reset LED (Ⓒ) flashes twice, release and momentarily press the **Reset** button. Use this mode to reset all network settings without affecting user-loaded files.
- **Reset to Factory Defaults** — Press and hold the **Reset** button for 9 seconds. After the Reset LED flashes three times, release and momentarily press the **Reset** button. Use this mode to return the touchpanel to factory default settings.

Setup Menu

Figure 6 shows the Status screen for the TLP Pro 725M. The screen for the TLP Pro 525M or TLP Pro 1025M are similar.

Press the **Menu** button (figure 4, Ⓐ) to open the setup menu. Select any of the five available screens (`Status`, `Network`, `Display`, `Audio`, and `Advanced`) by pressing the appropriate button in the navigation bar at the top of the screen (for more information, see the *TLP Pro 525, 725, and 1025 Series User Guide*).

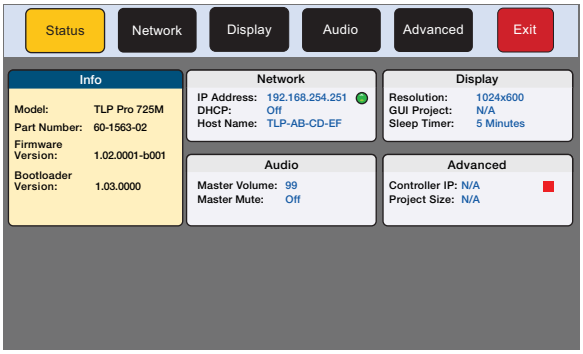


Figure 6. Setup Menu: Status Screen for TLP Pro 725M

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