



TLP Pro 1220MG, TLP Pro 1520MG, and TLP Pro 1720MG • 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 1220MG, TLP Pro 1520MG, and TLP Pro 1720MG are wall-mounted touchpanels with high resolution capacitive touch screens. The TLP Pro 1220MG has a 12.1 inch screen with a 1280x800 resolution. The TLP Pro 1520MG has a 15.6 inch screen with a 1366x768 resolution. The TLP Pro 1720MG has a 17.3 inch screen with a 1920x1080 resolution. They are ideal for any AV applications requiring large touchpanels with flexible mounting options and fully customizable interfaces. This guide provides instructions for experienced installers to mount and install these touchpanels. For more complete procedures, see the *TLP Pro 1220, TLP Pro 1520, and TLP Pro 1720 Series User Guide* at www.extron.com.

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® Plus and Professional** — for setting up and configuring the control processor and touchpanel.
 - **Toolbelt** — for device discovery, device information, firmware updates, and configuration of network settings, system utilities, and user management for TouchLink Pro devices.
- All three 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 also require:
 - IP address Subnet mask Gateway
 - User name — this can be either admin or user.
 - Passwords — by default, these are both extron (for admin and 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 Power Supply section of the *TLP Pro 1220, TLP Pro 1520, and TLP Pro 1720 Series User Guide* or the *IPL Pro User Guide*.
- Ne branchez pas les écrans tactiles ou les contrôleurs avant d'avoir lu la mise en garde dans la section « sources d'alimentation » du *TLP Pro 1220, TLP Pro 1520, and TLP Pro 1720 Series User Guide* ou du *IPL Pro User Guide*.

- Mount the units. There are several mounting options for TouchLink Pro touchpanels (see **Mounting** on the following page).
- Connect cables to the touchpanels. For more information about the cable connectors, see **Rear Panel Features** on page 4.
- Connect the power cords and power on all devices.

Set up the Touchpanels for Network Communication

- Connect the PC that you will use for setup, the control processor, and touchpanel **to the same Ethernet subnetwork**.
- Use the **Setup Menu** (see page 5) 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*, *Global Configurator Help File*, and the *Toolbelt Help File* provide step-by-step instructions and more detailed information. The *Global Configurator Help File* includes an introduction to the software and sections on how to start a project and configuration.

Mounting

Rack Mounting

These touchpanels can be mounted in any standard 19-inch equipment rack, using the optional rack mounting kit.

- TLP Pro 1220MG: RM 2 kit
- TLP Pro 1520MG: RM 3 kit
- TLP Pro 1720MG: RM 3 kit

Read the Underwriters Labs Guidelines for Rack Mounting in the *TLP Pro 1220*, *TLP Pro 1520*, and *TLP Pro 1720 Series User Guide* and follow the instructions provided with the appropriate kit.

Wall Mounting

The touchpanels can also be wall-mounted, either using the Extron BB 700M wall box or directly into drywall. The diagram below shows the TLP Pro 1520MG. Mount the TLP Pro 1220MG or TLP Pro 1720MG in the same way.

ATTENTION:

- Do not install the TLP Pro 1220MG, TLP Pro 1520MG, or TLP Pro 1720MG in a fire resistant rated wall or partition assembly.
- Ne pas installer le TLP Pro 1220MG, le TLP Pro 1520MG, ou le TLP Pro 1720MG dans un mur résistant au feu ou 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.

With a wall box

Some local building codes require the touchpanel to be mounted in a wall box such as the Extron BB 700M. This installation procedure is described below.

1. Cut a hole in the drywall, 9.55 inches (24.26 cm) wide x 6.55 inches (16.64 cm) high, and install the BB 700M, as described in the *BB 700M Installation Guide* (see www.extron.com).
2. Place the metal mounting plate against the wall, mark the four mounting holes, and drill four pilot holes.
3. Secure the mounting plate with four #10 screws.
4. Run and connect cables to the back of the touchpanel (see **Rear Panel Features** on page 4).
5. Insert the two provided Phillips pan head #6-32 x 3/4 inch length screws with washers in the mounting screw slot (see **figure 3**, **J**). Leave a gap for the flange at the bottom of the mounting plate to fit into.
6. Hold the touchpanel at a slight angle and lower the notches at the top of the back panel (See **figure 3**, **I**) over the hooks of the mounting plate.
7. Swing the bottom of the touchpanel inwards so that it lies flat against the mounting plate with the flange at the bottom of the mounting plate sitting in a groove in the bottom of the touchpanel.
8. Secure the touchpanel to the mounting plate with the mounting screws.

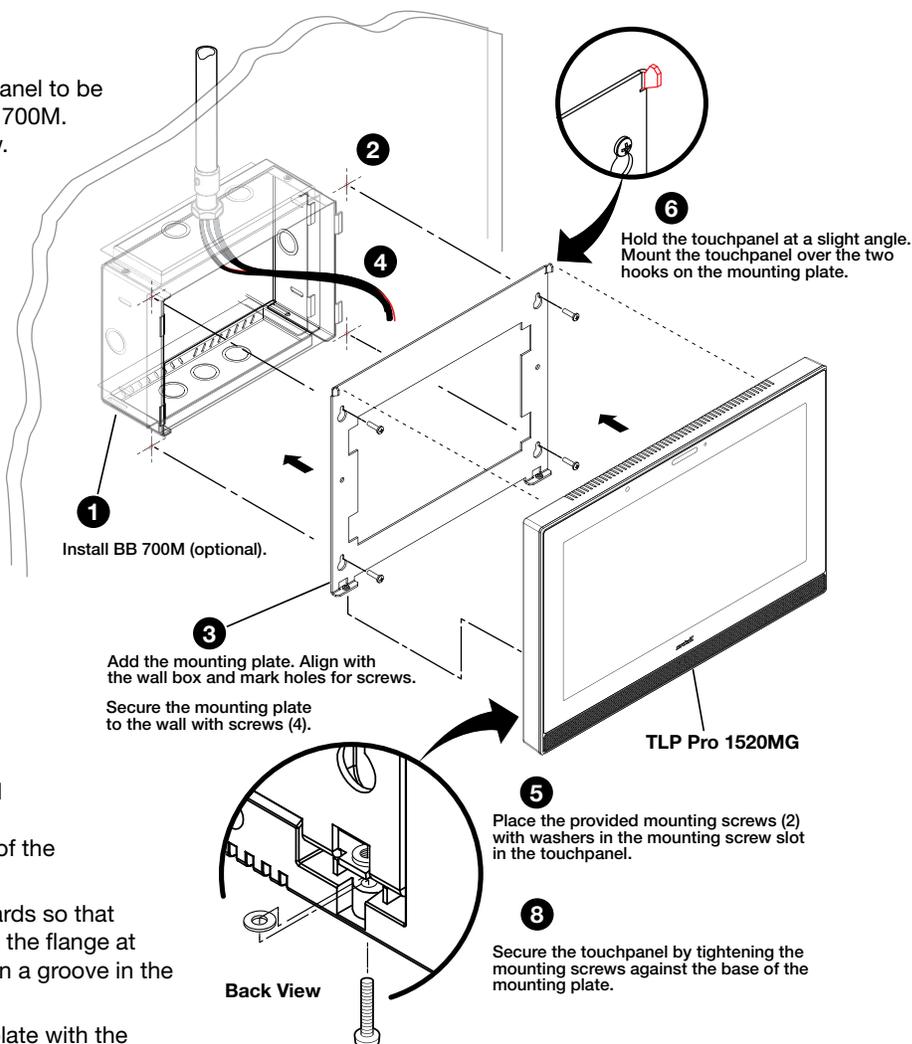


Figure 1. TLP Pro 1520MG Mounting

Without a wall box

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

1. Download the cut-out template for your touchpanel from www.extron.com. Print it at 100% (no scaling).
2. Use the template to mark the wall, cut the hole, and drill the four pilot holes.
The size of the cut-out hole is 9.25 inches (23.50 cm) wide x 6.25 inches (15.88 cm) high.
3. Secure the mounting plate and complete the installation, as described in [steps 3-8](#) on the previous page.

Front Panel Features

Figure 2 shows the TLP Pro 1720MG front panel diagram. The TLP Pro 1220MG and TLP Pro 1520MG are very similar.

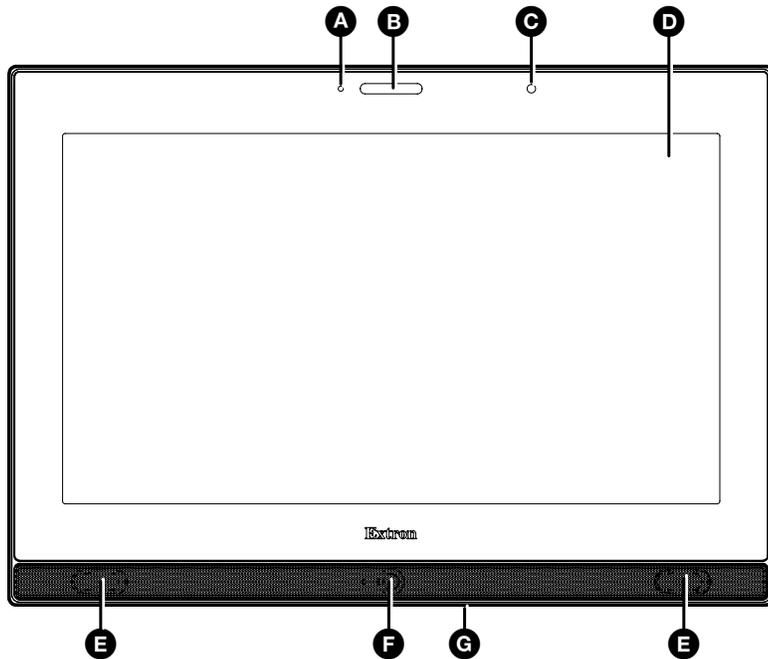


Figure 2. TLP Pro 1720MG Front Panel

- A 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.
 - Lights red permanently if the touchpanel has not been configured.
- B Status light** — can be programmed to provide system feedback. The LED light bar is located above the screen.
- C Ambient light sensor** — monitors ambient light level and adjusts screen brightness.
- D Capacitive touch screen** — provides simple control of AV systems:
 - The TLP Pro 1220MG has a 12.1 inch screen with a 1280x800 resolution.
 - The TLP Pro 1520MG has a 15.6 inch screen with 1366x768 resolution.
 - The TLP Pro 1720MG has a 17.3 inch screen with 1920x1080 resolution.
- E Speakers** — provide stereo audio for video preview and audible feedback from button presses. They are located below the screen, one on each side of the panel.
- F Motion sensor** — detects motion in front of the touchpanel.
- G Menu button** — activates the setup menu and calibration screen (see [Setup Menu](#) on page 5). It is accessed from under the touchpanel. It performs the same function as the rear panel **Menu** button but is easier to reach when the touchpanel is installed.

Rear Panel Features

- A Reset LED** — Provides feedback about the reset status when the user presses the reset button.
- B Reset button** — Pressing the **Reset** button allows the unit to be reset in any of three different modes (see **Reset Modes**, on the following page. For more information, see the *TLP Pro 1220, TLP Pro 1520, and TLP Pro 1720 Series User Guide*).
- C Menu button** — Activates the setup menu and calibration screen (see **Setup Menu** on the following page).
- D USB connectors** — For peripheral controls.
- E Audio output** — For use with headphones or assistive listening devices.

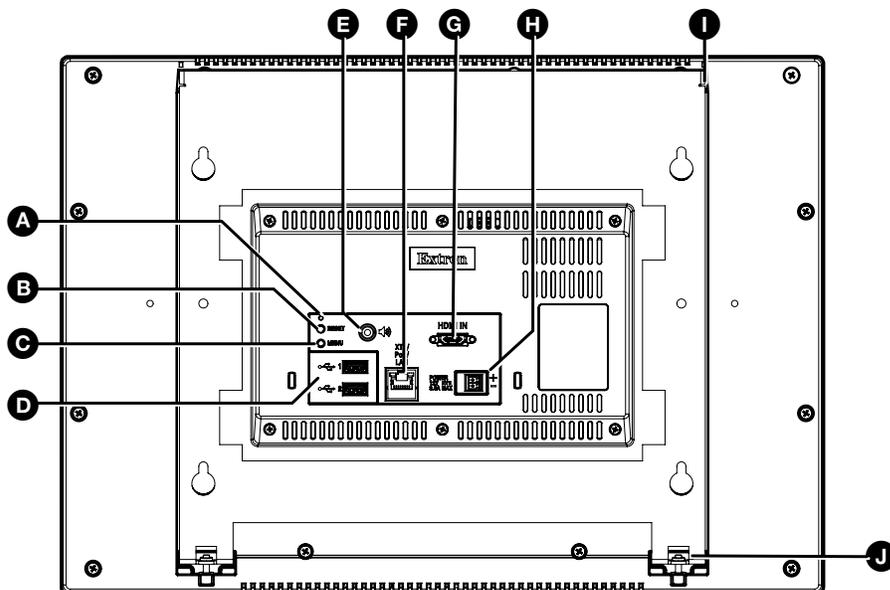


Figure 3. TLP Pro 1720MG Rear Panel

- F XTP/LAN/PoE input**
 - **XTP input** — Connect the touchpanel to the XTP source using a twisted pair cable, terminated with an RJ-45 connector. For complete information about which cables to use, see the user guide for your XTP product.
 - **LAN input** — Connect the touchpanel to the LAN using a twisted pair cable, terminated with an RJ-45 connector.
 - **PoE input** — the connector can be used with a PoE power injector. Connect the cables as shown in figure 4, which shows the Extron PI 140 power injector (recommended by Extron).

An Extron IP Link Pro control processor must also be connected to the same network as the TouchLink Pro touchpanel.

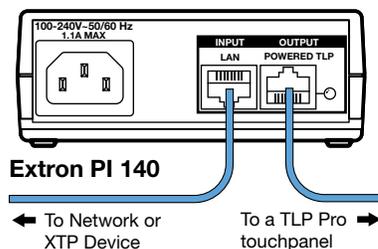


Figure 4. Connecting the Power Injector

NOTE: Do not remotely power the touchpanel using an XTP device. Use the power supply or power injector recommended by Extron (see the *TLP Pro 1220, TLP Pro 1520, and TLP Pro 1720 Series User Guide*).

- G HDMI input** — For alternative video input.
- H Power supply input** — Connect a 12 VDC, 3.0 A Limited Power Source (LPS) power supply to this captive screw connector.

ATTENTION:

- The touchpanels can use a 12 VDC desktop power supply or Power over Ethernet. Do not connect either power supply before reading the Attention in the Power section of the *TLP Pro 1220, TLP Pro 1520, and TLP Pro 1720 Series User Guide*.
- Les écrans tactiles peuvent utiliser une source d'alimentation externe 12 Vcc ou l'alimentation POE via Ethernet. Ne branchez pas de sources d'alimentation externes avant d'avoir lu les mises en garde dans la section « Power Supply » du *TLP Pro 1220, TLP Pro 1520, and TLP Pro 1720 Series User Guide*.

- I Mounting plate notch (2)** — Fit over the hooks at the top of the mounting plate (see **Wall Mounting** on page 2).
- J Mounting screw slot (2)** — Insert the provided screws here. Secure the touchpanel to the mounting plate.

Reset Modes: a Brief Summary

The TLP Pro 1220MG, TLP Pro 1520MG, and TLP Pro 1720MG offer the following reset modes. For full information about the modes, see the *TLP Pro 1220*, *TLP Pro 1520*, and *TLP Pro 1720 Series User Guide*.

- **Use factory firmware:** Press and hold the **Reset** button (figure 3, **B**) while applying power to the unit. Use this mode to replace firmware in the event of firmware failure.
- **Reset All IP Settings:** Press and hold the **Reset** button for 6 seconds. After the Reset LED (figure 3, **A**) 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 interface to factory default settings.

Setup Menu

Press the **Menu** button (figure 2, **G** or figure 3, **C**) to open the setup menu. Select any of the six available screens (**Status**, **Network**, **Display**, **Audio**, **Input** and **Advanced**) by pressing the appropriate button in the navigation bar at the top of the screen (for more information, see the *TLP Pro 1220*, *TLP Pro 1520*, and *TLP Pro 1720 Series User Guide*).

Figure 5 shows the setup menu for the TLP Pro 1220MG. The setup menus for the TLP Pro 1520MG and TLP Pro 1720MG are almost identical.

Press the **Menu** button for at least 3 seconds to open the calibration screen. Follow the on-screen instructions.

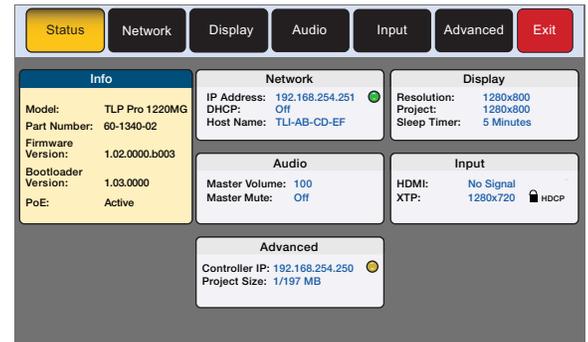


Figure 5. Setup Menu: Status page for TLP Pro 1220MG

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