TLP Pro 1022M • Setup Guide

Overview

The TLP Pro 1022M is a 10-inch wall-mount capacitive touchscreen with 1024x600 resolution and 18-bit color depth. It offers flexible mounting options and fully customizable interfaces. This guide provides instructions for experienced installers to mount and install a TLP Pro 1022M touchpanel. For more complete instructions, see the TLP Pro 1022 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 Professional or 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.

- 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 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 1022 Series User Guide or the 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.

- Connect the power injector to the LAN and power it on.

Set up the Touchpanels for Network Communication

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

- Use the Setup Menu (see page 4) 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 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

Wall-Mounting or Furniture-Mounting

The TLP Pro 1022M can be wall-mounted, either using the Extron BB 710M wall box or directly into drywall.

**ATTENTION:**
- Do not install the TLP Pro 1022M in a fire resistant rated wall or partition assembly.
- Ne pas installer le TLP Pro 1022M 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 optional Extron BB 710M. This installation procedure is described below.

1. Cut a hole in the drywall, 7.70 inches (19.56 cm) wide x 6.00 inches (15.24 cm) high, and install the BB 710M, as described in the BB 710M 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. Fasten the mounting plate to the wall with four #10 screws (not provided).
4. Run and connect cables to the back of the touchpanel (see Rear Panel Features on the following page).
5. Insert the two provided Phillips pan head #6-32 x ¾ inch length screws with washers in the mounting screw slot.
6. Hold the touchpanel at a slight angle and lower the notches at the top of the back panel 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 tongue at the bottom of the mounting plate sitting in a groove in the bottom of the touchpanel.
8. Fasten the touchpanel to the mounting plate with the mounting screws.

**Figure 1. Mounting the TLP Pro 1022M**

**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 7.70 inches (19.30 cm) wide x 6.00 inches (15.24 cm) high.

**NOTE:** You can also use the mounting plate as a template to mark where the hole should be cut out and the pilot holes should be drilled.

3. Fasten the mounting plate and complete the installation, as described in steps 3-8 above.
Figure 2. TLP Pro 1022M 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.
- Continuously lit red if the touchpanel has not been configured and is not connected to an IP Link Pro control processor.

The indicator can be toggled between enabled and disabled, using the Setup Menu (see page 4).

B Status lights — one LED light bar, above the screen, which can be programmed to provide system feedback.
- Light red or green
- Blink or light continuously
- For information about programming this light, see the Global Configurator Help File.

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

D Capacitive touchscreen — 10.1-inch screen with 1024x600 resolution.

E Speakers — two speakers, located below the screen, one on each side of the panel, provide audible feedback for the user.

F 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.

Figure 3. TLP Pro 1022M Rear Panel

A Reset LED — provides feedback about the reset status when the user presses the Reset button (see Reset Modes, on the following page).

B 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 following page. For full information about the modes, see the TLP Pro 1022 Series User Guide).

C Menu button — activates the setup menu (see Setup Menu, on the following page).
D LAN/PoE connector (see figure 3, D on the previous page) — 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 network 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 1022M is Power over Ethernet (PoE 802.3af, class 3) compliant. 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 1022 Series User Guide or the IPCP Pro User Guide or IPL Pro User Guide.

**NOTE:** The TLP Pro 1022M is shipped without a power injector. The power injector must be purchased separately.

The figure to the right shows the Extron XTP PI 100. Your power injector may look different.

E Mounting holes (4) (see figure 3, E on the previous page) — for wall mounting (see page 2).

**Reset Modes: a Brief Summary**

The TLP Pro 1022M offers the following reset modes (see the TLP Pro 1022 Series User Guide for complete information):

- **Use Factory Firmware:** Press and hold the Reset button (figure 3, B) while applying power to the unit. Use this mode with Global Configurator or 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 (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 (figure 3, A) flashes three times, release and momentarily press the Reset button. Use this mode to return the touchpanel to factory default settings.

**Setup Menu**

Press the Menu button (figure 3, C on the previous page) 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 1022 Series User Guide).

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