

Overview

The MXT-701 7" Modero X Series® G5 Tabletop Touch Panel (FG5968-53) features the G5 Graphic Engine to provide fast and smooth animations and transitions, as well as a Quad Core Processor.

The MXT-701 features edge-to-edge capacitive touch glass with multi-touch capabilities. It features advanced technology empowering users to operate AV equipment seamlessly, while providing the ultimate in audio and video quality.

The distinctive appearance will complement even the most sophisticated meeting facilities and homes.



FIG. 1 MXT-701

Product Specifications

MXT-701 SPECIFICATIONS	
Dimensions (HWD)	5" x 7 5/16" x 4 1/8" (126 mm x 187 mm x 105 mm)
Weight	1.9 lbs (0.86 Kg)
Power Consumption	<ul style="list-style-type: none"> • Full-On: 11.5 W maximum • Standby: 5.8 W • Shutdown: 1 W • Start-Up Inrush Current: Not applicable due to PoE standard
External Power Supply Required	Optimal performance requires use of one of the following AMX PoE power supplies (not included): <ul style="list-style-type: none"> • PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (FG423-83) • NXA-ENET8-2POE, Gigabit PoE Ethernet Switch (FG2178-63)
Certifications	<ul style="list-style-type: none"> • FCC Part 15 Class B • C-Tick CISPR 22 Class B • CE EN 55022 Class B and EN 55024 • CB Scheme IEC 60950-1 • IC • IEC/EN-60950 • UL 60950-1 • RoHS/WEEE compliant
Environmental	<ul style="list-style-type: none"> • Temperature (Operating): 32° F to 104° F (0° C to 40° C) • Temperature (Storage): 4° F to 140° F (-20° C to 60° C) • Humidity (Operating): 20% to 85% RH • Humidity (Storage): 5% to 85% RH • Power ("Heat") Dissipation: <ul style="list-style-type: none"> On: 39.2 BTU/hr Standby: 19.8 BTU/hr
Included Accessories	<ul style="list-style-type: none"> • MXA-USB-C, USB Port Cover Kit (FG5968-18) • 3/4" Mini-Grommet (FG570-01) • MXA-CLK, Modero X/S Series Cleaning Kit (FG5968-16)

Connector Locations

USB peripherals (mouse, keyboard, etc.) may be connected to either of the two USB ports on the rear of the device. Updates to the device's firmware can also be made via the USB ports (FIG. 2).

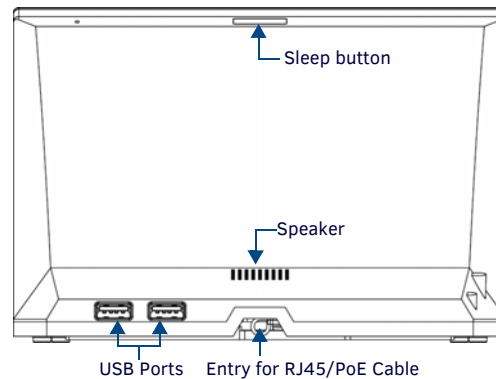


FIG. 2 MXT-701 - REAR VIEW

Power via PoE

Power for the MXT-701 is supplied via PoE (Power Over Ethernet), utilizing an AMX-certified, capacitive touch-compliant PoE injector such as the PS-POE-AT High Power PoE Injector (FG423-81) or other approved AMX PoE power source. Connect the incoming Ethernet cable to the RJ45 port on the cable attached to the device.

Ethernet Cable Installation and Modification

In installations where you wish to conceal the Ethernet cable, a hole at least 1.00" (2.54 cm) in diameter is required in the surface to allow passage of the female RJ45 connector (FIG. 3).

If using a smaller hole is unavoidable, you will need to disconnect the Ethernet cable (ECA5968-05) from the device, to feed the male end of the cable through.

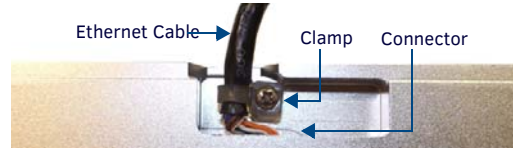


FIG. 3 BOTTOM OF THE MXT-701

Note: The minimum diameter hole through which the Ethernet cable may pass is 0.50" (1.27 cm).

To disconnect and reconnect the MXT-701's Ethernet cable:

1. On a soft surface, turn the MXT-701 face-down to access the bottom of the device.
2. Remove the clamp holding the Ethernet cable (FIG. 3).
3. Remove the Ethernet cable connector and pull the cable out of the clamp.
4. Pass the Ethernet cable (ECA5968-05) through the hole, with the RJ45 connector on the other side of the installation surface from the device.
5. Press the Ethernet cable back into the clamp.
Do **NOT** tighten the clamp at this time.
6. Using a non-conductive item such as a wooden stick, reinsert the Ethernet cable connector into the device. Ensure that the connector is properly seated.
7. Tighten the clamp to secure the Ethernet cable.
Make sure the clamp is around the bundled black cable, not the individual wires.
8. Connect the RJ45 connector to its incoming Ethernet cable and apply power.

Powering On/Off X Series G5 Panels

Modero X Series G5 touch panels may be powered on by touching and holding the *Sleep* button. To power off the panel, press and hold the Sleep button, and select **Power Off** on the on-screen menu (FIG. 4):

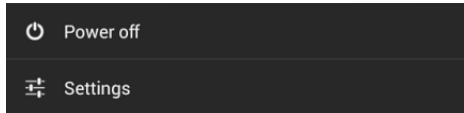


FIG. 4 SLEEP BUTTON - PRESS AND HOLD TO ACCESS POWER OFF/SETTINGS OPTIONS

Configuration and Programming

X Series G5 touch panels are equipped with a *Settings* menu that provides the ability to configure various features on the panels.

To access the *Settings* menu, press and hold the Sleep button, and select **Settings**.

Note: Information on the Settings menu, panel configuration, and programming is provided in the Modero X Series G5 Programming Guide, available at www.amx.com.

Setting the Panel's Device Number and Device Name

1. In the Settings menu, select **NetLinX**. This opens a password keypad.
2. Enter the panel password into the keypad (the default is **1988**) and select **OK** to access the *NetLinX* page.
3. Press **Device Number** to open the NetLinX editing window.
4. Enter a unique Device Number assignment for the panel and press **OK**.
5. Enter a unique Device Name assignment for the panel and press **OK**.

Configuring the Panel's IP Address

The first step is to configure the panel's IP address. Note that this only configures the panel to communicate with a network; it is still necessary to connect to the NetLinX Master (see *Connecting to a NetLinX Master* below).

Network Communication via DHCP

1. In the *Ethernet* page, press **DHCP/Static** field to open the *DHCP/Static* window. Note that *DHCP* is the default setting.
2. Select **Host Name**, enter the new host name
3. Press **OK** to save changes.

Network Communication via Static Address

1. In the *Ethernet* page, press **DHCP/Static** to open the *DHCP/Static* window.
2. Select **Static** to open the *Static IP* window.
3. Press any field to open a keypad or keyboard (depending on the field), and enter the appropriate network address information.
4. Press **OK** to save your changes and return to the *Ethernet* page.

Connecting to a NetLinX Master

To establish the type of connection to make between the panel and the NetLinX Master:

1. In the *NetLinX* page, press **Mode** to choose the connection mode (*URL*, *Listen* or *Auto*):

CONNECTION MODES		
Mode	Description	Procedures
URL	The device connects to the target Master's IP address via a TCP connection.	<ol style="list-style-type: none"> 1) Select URL in the <i>Mode</i> menu. 2) Enter the <i>Master IP/URL</i>, <i>Master Port Number</i>, and <i>Username/Password</i> (if required by the Master). 3) Press OK to save changes.
Listen	This mode allows the panel to "listen" for the Master's communication signals. <i>Note that in this mode, the System Number and Master IP/URL fields are read-only.</i>	<ol style="list-style-type: none"> 1) Select Listen in the <i>Mode</i> menu. 2) Confirm the panel's IP address is on the Master's URL list (via NetLinX Studio). 3) Press OK to save changes. <p><i>Note: The Host Name (set on the Ethernet page), can be used to locate the panel on the Master (particularly useful for DHCP connections where the IP address can change).</i></p>
Auto	Use this mode when both the panel and the NetLinX Master are on the same Subnet.	<ol style="list-style-type: none"> 1) Select Auto in the <i>Mode</i> menu. 2) Enter the System Number and Username and Password (if applicable). 3) Press OK to save changes.

2. If password security is enabled on the target Master, enter the Username and Password:
 - a. Select **Username** to open the *NetLinX* window.
 - b. Enter the *Username* and *Password* required by the Master.
 - c. Press **OK** to save changes and return to the *NetLinX* page.

Related Software and Additional Documentation (at www.amx.com)

- Programming the Modero X Series G5 touch panels requires the use of the latest versions of NetLinX Studio and TPDesign5, both available to download at www.amx.com. Refer to the NetLinX Studio and TPDesign5 online help for information.
- For information on designing touch panel pages intended to optimize the Modero X Series G5 experience, refer to the *G5 Considerations Guide*.
- For additional information on the MXD-701 panel, refer to the *X-Series-G5 Touch Panels MXD/T-1001 & MXD/T-701 Instruction Manual*.
- For detailed information on the Settings menu as well programming information and instructions on upgrading firmware, refer to the *Modero X Series G5 Programming Guide*.
- Detailed specifications drawings for the MXT-701 are available to download from www.amx.com.

