

### Overview

With the MXD-701 7" Modero X Series® G5 Wall/Flush Mount Touch Panel, available in portrait (MXD-701-P: **FG5968-54**) and landscape (MXD-701-L: **FG5968-55**) models, the most elegant interface designed specifically for dedicated room control has been significantly enhanced to include a new G5 Graphic Engine to provide even faster and smoother animations and transitions. In addition, the MXD-701 quadruples the processing power with a new Quad Core Processor. This new generation of touch panels is built for usability offering 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. With a lightning fast processor, brilliant graphics and enhanced capabilities, the Modero X Series is the control surface that simply delivers more. For more information on installation and configuration, please refer to the *MXT/MXD-701 Operation Reference Guide*, available at [www.amx.com](http://www.amx.com).



FIG. 1 MXD-701, Landscape and Portrait

### Common Applications

The MXD-701 is ideal for boardrooms, conference rooms or podiums where a control surface is needed to provide access to key functions. In residences, it is perfect for kitchens, bedrooms or home offices where it can be used to manage systems throughout the home.

### Features

- **G5 Graphics Engine and Quad Core Processing** – The most powerful processing in the industry delivers smooth gesturing, animations and transitions all at higher speeds for an experience any user will enjoy.
- **Simplified Enterprise Touch Panel Updates** – Deploy and update touch panel files from a network URL for simplified company-wide updates.
- **Latest Communication Technologies** – Supports Near Field Communication™ (NFC) - short-range wireless technologies that deliver peer-to-peer communication by 'sharing, pairing and transaction' between RF devices like exchanging data/identities.
- **Enhanced Usability** – External phone connections via USB and HD video streaming.
- **Perfect From Any Angle** – Includes In-Plane Switching (IPS), the latest technology in popular tablet/mobile devices that delivers the widest viewing angles and the most accurate color reproduction on the market.
- **Available Rack Mounting Kit** – As an option, you can mount the 7" Modero X Series G5 Landscape Wall/Flush Mount Touch Panel directly to an equipment rack using the MXA-RMK-07 Modero X Series Rack Mount Kit (**FG5969-63**). The Kit includes a rack mount frame, screws and washers.

### Product Specifications

MXD-701 (FG5968-54/55) Specifications	
Power:	PoE (Power over Ethernet), 802.3af, class 3
Power Consumption:	<ul style="list-style-type: none"> <li>• Full-On: 11.5 W maximum</li> <li>• Standby: 5.8 W</li> <li>• Shutdown: 1 W</li> </ul>
Operating Environment:	<ul style="list-style-type: none"> <li>• Operating Temperature: 32° F to 104° F (0° C to 40° C)</li> <li>• Storage Temperature: 4° F to 140° F (-20° C to 60° C)</li> <li>• Humidity Operating: 20% to 85% RH</li> <li>• Humidity Storage: 5% to 85% RH</li> </ul>
Dimensions (HWD):	<ul style="list-style-type: none"> <li>• Landscape: 4.8" x 7.3" x 2.5" (122 mm x 186 mm x 63 mm)</li> <li>• Portrait: 7.3" x 4.8" x 2.5" (186 mm x 122 mm x 63 mm)</li> </ul>
Weight:	1.4 lbs (0.64 Kg)

### MXD-701 (FG5968-54/55) Specifications (Cont.)

Certifications:	<ul style="list-style-type: none"> <li>• UL</li> <li>• FCC Part 15 Class B</li> <li>• C-Tick CISPR 22 Class B</li> <li>• CE EN 55022 Class B and EN 55024</li> <li>• CB Scheme IEC 60950-1</li> <li>• IC</li> <li>• IEC/EN-60950</li> <li>• RoHS</li> </ul>
Included Accessories:	<ul style="list-style-type: none"> <li>• MXD-701 Installation Guide (<b>93-5968-54</b>)</li> <li>• MXA-CLK Modero X Series Cleaning Kit (<b>FG5968-16</b>)</li> <li>• MXD-701 Installation Template (<b>68-5968-04</b>)</li> <li>• MXD-701 Back Box (<b>68-5968-04</b>)</li> </ul>
Other AMX Equipment:	<ul style="list-style-type: none"> <li>• PS-POE-AF-TC, POE Injector, 802.3af Compliant (<b>FG423-83</b>)</li> <li>• NXA-ENET8-2POE, Gigabit Switch, 8 Port POE, 2 Port SFP (<b>FG2178-63</b>)</li> <li>• CB-MXP7, Rough-In Box and Cover Plate for Modero X Series Touch Panel, 7" (<b>FG039-18</b>)</li> <li>• MXA-MPL, Modero X Series Multi Preview Live (<b>FG5968-10</b>)</li> <li>• MXA-MP, Modero X Series Multi Preview (<b>FG5968-20</b>)</li> </ul>

### Panel Connectors and Wiring

FIG. 2 shows the connectors located on the underside of the MXD-701.

#### Power for the MXD-701 via Power Over Ethernet

Power for the MXD-701 is supplied via Power Over Ethernet (PoE), 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. The incoming Ethernet cable should be connected to the RJ45 port on the MXD-701 (FIG. 2 and FIG. 3).

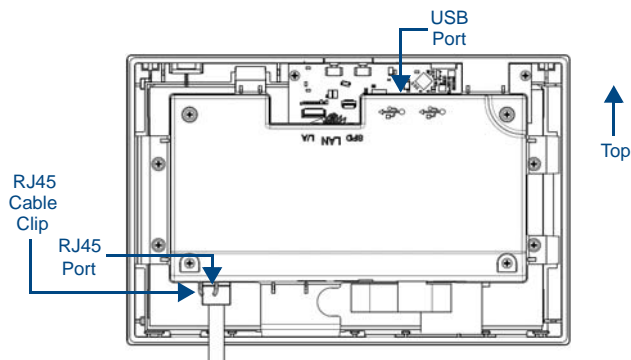


FIG. 2 Rear of the MXD-701 (Landscape)

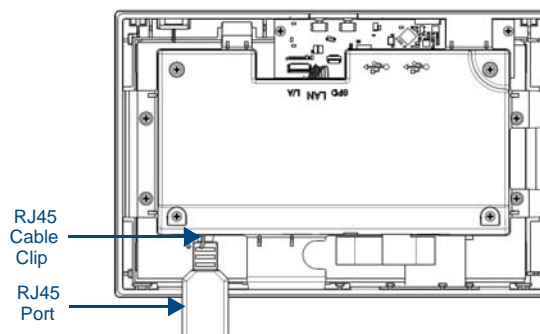


FIG. 3 Rear of the MXD-701 (with RJ45 connection extended)

### Configuring the MXD-701

The MXD-701 is equipped with a Settings app that allow you to set and configure various features on the panel. For more information on connecting and configuring the MXD-701 to a network, please refer to the *Modero X Series G5 Programming Guide*, available at [www.amx.com](http://www.amx.com).

### Installing the MXD-701

The MXD-701 can be installed either directly into a solid surface environment, using either solid surface screws or the included locking tabs for different mounting options. For more information, please refer to the *MXD-701 Operation/Reference Guide*, available at [www.amx.com](http://www.amx.com).

The MXD-701 is contained within a clear outer housing known as the back box. This back box is removed when installing the device into a wall or when using the optional Rough-In Box accessory (FG039-18). For more information on back box removal, please refer to the MXD/T-701 Operation Reference Guide, available at [www.amx.com](http://www.amx.com).

#### Installing the MXD-701 into a wall

The back box (FIG. 4) is designed to attach the panel to most standard wall and solid surface materials. This back box has two locking tabs (one on top and one on bottom) to help lock the back box to the wall. These locking tabs are only extended AFTER the back box is inserted into the wall. Using the locking tabs is highly recommended for standard mounting surfaces such as walls. For thin walls and solid surfaces, use #4 mounting screws (not included).

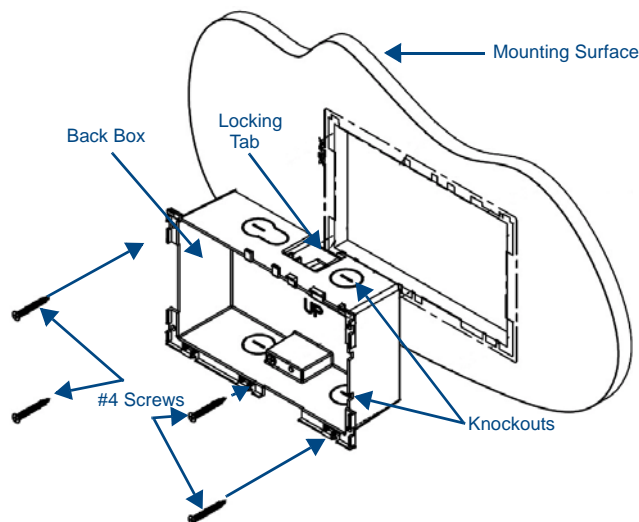


FIG. 4 MXD-701 Back Box Installation (Landscape)

**WARNING:** When installing the back box, make sure that the assembly is in the correct position and in the correct place. Once the locking tabs are extended and locked into place, removing the back box may be difficult without having access to the back of the wall or causing damage to the wall.

**Note:** In order to guarantee a stable installation of the MXD-701, the thickness of the wall material must be a minimum of .50 inches (1.27cm) and a maximum of .875 inches (2.22cm). The surface should also be smooth and flat.

**WARNING:** The maximum recommended torque to screw in the locking tabs on the plastic back box is 5 IN-LB [56 N-CM]. Applying excessive torque while tightening the tab screws, such as with powered screwdrivers, can strip out the locking tabs or damage the plastic back box.

1. After ensuring proper placement, cut out the mounting surface, using the MXD-701 Installation Template (68-5968-04) as a guide. Refer to the dimensions in the MXD/T-701 Operation/Reference Guide, available from [www.amx.com](http://www.amx.com), for more information.

**CAUTION:** Making sure the actual cutout opening is slightly smaller than the provided dimensions is highly recommended. This action provides the installer with a margin for error if the opening needs to be expanded. Too little wall material removed is always better than too much.

2. Remove the back box knockouts (FIG. 4) and thread the incoming wiring through the knockout holes. To facilitate installation, thread the Ethernet cable through a bottom knockout (Landscape) or a right-side knockout (Portrait), and the USB cable through a top knockout (Landscape) or left knockout (Portrait).
3. Thread the incoming Ethernet wiring from their terminal locations through the surface opening and through the knockouts.

4. Push the back box flat into the mounting surface and secure with either the locking tabs or #4 mounting screws (not included). In order to prevent damage to the touch panel, make sure that any screws used are flush with the back box, and the back box goes freely into the opening.
5. Insert each connector into its corresponding location along the back of the MXD-701. Gently pull the RJ45 adapter from underneath the electronics cover (FIG. 3), attach the RJ45 cable, and push the connection back under the cover. Lock the RJ45 cable into the clip above the cable connection (FIG. 2) to facilitate the rest of the installation.
6. Test the incoming wiring by attaching the panel connections to their terminal locations and applying power. Verify that the panel is receiving power and functioning properly to prevent repetition of the installation.

**NOTE:** Do not disconnect the connectors from the touch panel. The unit must be installed with the attached connectors before being inserted into the drywall.

7. Latch the panel onto the top hooks on the back box and rotate it down (Landscape) onto the bottom snaps or on the left side and rotate it to the right (Portrait installation) (FIG. 5). Press gently but firmly and evenly on the surface of the glass until the bottom snaps "click" to lock it down.

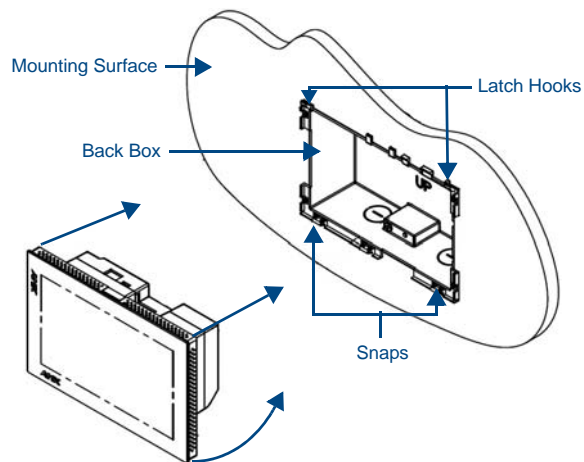


FIG. 5 Installing the MXD-701

**WARNING:** if you see a gap between the panel and the back box, or feel any binding while locking down the panel, stop immediately and verify that no cables or other items are in the way. Do not force the panel into position, as this can cause damage to the touch screen or the panel electronics.

8. Reconnect the terminal Ethernet and USB to their respective locations on either the Ethernet port or NetLinX Master.

#### Uninstalling the MXD-701

For information on uninstalling the MXD-701, please refer to the MXD/T-701 Operation Reference Guide, available at [www.amx.com](http://www.amx.com).

**NOTE:** For a demonstration of MXD-701 uninstallation, please refer to the Modero X Wall Removal video on the AMXconfigure channel on YouTube: <http://www.youtube.com/user/AMXconfigure/>

