Overview
The MST-701 7” Tabletop Touch Panel (FG2265-06) includes VoIP, brilliant 24-bit color depth, PoE connectivity, USB and streaming video. The MST-701 also supports Bluetooth keyboard and mouse via the optional MXA-BT Bluetooth Adapter.

Product Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Dimensions (HWD)</td>
<td>4 1/2” x 7 3/8” x 3 3/16” (115 mm x 188 mm x 81 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.4 lbs (.635 Kg)</td>
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</tbody>
</table>
| Power Consumption             | • Full-On: 13W  
• Typical: 7W  
• Standby: 4.5W  
• Shutdown: 0.7W  
• 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):  
• PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (FG423-83)  
• NXX-ENET8-2POE, Gigabit PoE Ethernet Switch (FG2178-63) |
| Certifications                | • FCC Part 15 Class B  
• CE EN 55022, 55024, 60950-1  
• IEC 60950-1  
• C-Tick CISPR 22 Class B  
• IC CISPR 22 Class B  
• UL 60950-1  
• VCCI CISPR 22 Class B  
• RoHS  
• WEEE |
| Environmental                 | • 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:  
  On: 27.3 BTU/hr  
  Standby: 10.9 BTU/hr |
| Included Accessories          | • MXA-USBC, USB Port Cover Kit (FG5968-18)  
• Cat5e Ethernet Cable, Flat Black (ECA2265-10)  
• UTP CAT.5E Snap In Coupler, Black (64-5968-01) |

Connector Locations
USB peripherals (mouse, keyboard, etc.) may be connected to the USB port on the rear of the device. Updates to the device’s firmware can also be made via the USB port.

Power via Power Over Ethernet
Power for the MST-701 is supplied via Power Over Ethernet (PoE), utilizing an AMX-certified, capacitive-touch-compliant PoE injector such as the PS-POE-AT-TC High Power PoE Injector (FG423-83) or other approved AMX PoE power source. The incoming Ethernet cable should be connected to the RJ45 port on the panel.

Configuring and Programming
S Series touch panels are equipped with a Settings menu that provides the ability to set and configure various features on the panels. Note: Information on the Settings menu, panel configuration and programming is provided in the Modero S Series Programming Guide, available at www.amx.com.

Accessing the Settings Menu
To access the Settings menu, press and hold the Sleep button on the top of the panel for 3 seconds. This invokes an on-screen prompt to release the button to enter the main Settings page (FIG. 3).

Accessing the Configuration Page
1. From the Settings menu, select Configuration.
2. If the Configuration page is password protected, this opens a password keypad.
3. Enter the panel password into the keypad (the default is 1988) and select OK to access the page (FIG. 4).

Setting the Panel’s Device Number and Device Name
In the Configuration page:
1. Press Panel to open the Panel Configuration page.
2. In the Device Name page, ensure that the Synchronize Device Names button is not selected, and click it to deselect it if it is.
3. Press Device Number to open the Device Number keypad.
4. Enter a unique Device Number assignment for the panel and press OK.
5. Press the Device Name field to open the Device Name keypad.
6. Enter a unique Device Name assignment for the panel and press OK.
7. Click the arrow on the top left of the page once to return to the Configuration page and twice to return to the Settings page.
Accessing the Connection & Networks Page
1. From the Settings menu, select Connection & Networks. If the page is password protected, this opens a password keypad.
2. Enter the panel password into the keypad (the default is 1988) and select OK to access the page (FIG. 5).

FIG. 5 CONNECTION & NETWORKS PAGE

Configuring the Panel’s IP Address
The first step is to configure the panel’s communication parameters. This only configures the panel to communicate with a network, and it is still necessary to tell the panel with which Master it should be communicating.

Network Communication With a DHCP Address
In the Connection & Networks page:
1. Select Network Connection to open the Network Connection page (FIG. 6).

FIG. 6 NETWORK CONNECTION PAGE
2. Toggle the DHCP/Static field until the choice cycles to DHCP. This action causes all fields on the page (other than Host Name) to be disabled.
3. Select Host Name to open the Host Name keyboard. Enter the new host name and click OK.

Setting Static IP Information
When using DHCP settings for a panel, the DHCP server will automatically populate almost all of the Network Connections page fields, with the exception of Hostname. When setting the panel for Static, however, this information must be entered manually. To enter the network connection information:
1. In DHCP/Static, press the field until the entry reads “Static”. This enables all of the editable Network Connections page fields.
2. Select the IP Address field to open the Wired IP Address keypad (FIG. 7).

FIG. 7 WIRED IP ADDRESS KEYBOARD
3. Enter the server’s IP address and click OK.

4. Repeat this procedure with the other fields on the Network Connections page.
5. When finished, the new connection information will be visible in the Network Connections page.

Connecting to a NetLinx Master
To establish the type of connection to make between the panel and NetLinx Master:
1. In the Connection & Networks page, select Master Connection to open the Master Connection page (FIG. 8).

FIG. 8 MASTER CONNECTION PAGE
2. Press Mode to toggle through the available connection modes (Auto, URL or Listen):

<table>
<thead>
<tr>
<th>CONNECTION MODES</th>
<th>Mode</th>
<th>Description</th>
<th>Procedures</th>
</tr>
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<tbody>
<tr>
<td>URL</td>
<td>The device connects to the target Master’s IP address via a TCP connection.</td>
<td>1) Select URL in the Mode menu. 2) Enter the Master IP/URL, Master Port Number, and Username/Password (if required by the Master). Press OK to save changes.</td>
<td></td>
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<tr>
<td>Listen</td>
<td>This mode allows the panel to “listen” for the Master’s communication signals. Note that in this mode, the System Number and Master IP/URL fields are read-only.</td>
<td>1) Select Listen in the Mode menu. 2) Confirm the panel’s IP address is on the Master’s URL list (via NetLinx Studio). 3) Press OK to save changes. Note: The Host Name can be used to locate the panel on the Master (particularly useful for DHCP connections where the IP address can change).</td>
<td></td>
</tr>
<tr>
<td>Auto</td>
<td>Use this mode when both the panel and the NetLinx Master are on the same Subnet.</td>
<td>1) Select Auto in the Mode menu. 2) Enter the System Number and Username and Password (if applicable). 3) Press OK to save changes.</td>
<td></td>
</tr>
</tbody>
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3. If you have enabled password security on your Master, you need to set the username and password within the device.
   a. Select Username to open the Master User keyboard.
   b. Set your Username and select OK.
   c. Select the Password to open the Master Password keyboard.
   d. Set your Master Password and select OK.
   e. Press the Back button twice to return to the Settings page.

Related Software and Additional Documentation (at www.amx.com)
- Programming the Modero S Series touch panels requires the use of the latest versions of NetLinx Studio and TPDesign4, both available to download at www.amx.com. Refer to the NetLinx Studio and TPDesign4 online help for information.
- For additional information on the MST-701 panel, refer to the S-Series Touch Panels MSD/T-1001, MSD/T-701 & MSD/T-431 Instruction Manual.
- For detailed information on the Settings menu as well programming information and instructions on upgrading firmware, refer to the Modero S Series Programming Guide.