MT-1002 10" Modero G5 Tabletop Touch Panel

Overview

The MT-1002 (FG5969-47) 10" Modero G5 Tabletop Touch Panel features the G5 Graphics Engine, Quad Core Processor, and a capacitive multi-touch display. The touch panel features advanced technology empowering users to operate AV equipment seamlessly, while providing the ultimate in audio and video quality.

Sleep button   Microphone

USB Port

(side view)

FIG. 1 MT-1002

Product Specifications

MT-1002 SPECIFICATIONS	
Dimensions (HWD)	6 3/16" x 10 1/16" x 4 1/16" (157mm x 255mm x 103mm)
Weight	2.6 lbs (1.179 Kg)
Power Consumption	• Full-On: 12.95 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): • PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (FG423-83) • NXA-ENET8-POE+, Gigabit PoE Ethernet Switch (FG2178-64)
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: 109.2 BTU/hr Standby: 10.6 BTU/hr
Included Accessories	• MXA-USB-C, 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 made via the USB port.
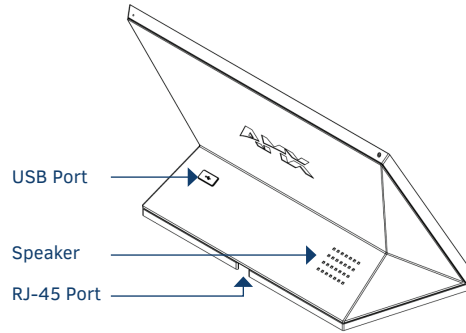
USB Port

Speaker

RJ-45 Port

FIG. 2 10" BACKBOX (REAR VIEW)

Power via Power Over Ethernet

Power for the MT-1002 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.

Powering On/Off Modero G5 Panels

Modero 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. 3):
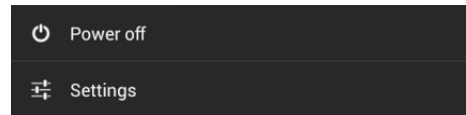
⏻ Power off

⇄ Settings

FIG. 3 SLEEP BUTTON - PRESS AND HOLD TO ACCESS POWER OFF/SETTINGS OPTIONS

Selecting Modero Or Acendo

MD-702/MD-1002 panels will be configured in the field to operate as either a Modero G5 panel or as an Acendo Book scheduling panel.

Upon first boot, a wizard application allows the user to select the operating mode for the device to run – either Modero G5 or Acendo Book

Once the operating mode is configured, that operating mode will be set from then on.

In order to change operating mode after one was selected, a Factory Data Reset will reset the operating mode back to a point to which the user can select the operating mode using the wizard application.

Configuration and Programming

Modero 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 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.	1. Select **URL** in the Mode menu. 2. Enter the *Master IP/URL, Master Port Number*, and *Username/Password* (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. Note that in this mode, the *System Number* and *Master IP/URL* fields are read-only.	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 (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*).
Auto	Use this mode when both the panel and the NetLinx Master are on the same Subnet.	1. Select **Auto** in the *Mode* 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 G5 touch panel requires the use of either Rapid Project Maker (RPM) or the latest version 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 G5 experience, refer to the G5 Considerations Guide.
- For additional information on the MT-1002 panel, refer to the *Modero G5 Touch Panel Instruction Manual*.
- For detailed information on the Settings menu as well programming information and instructions on upgrading firmware, refer to the *Modero G5 Programming Guide*.
- Detailed specifications drawings for the MT-1002 are available to download from www.amx.com.