

### Modero S Series Multi Mount Kits

The Modero S Series Multi Mount Kits are designed to mount a Modero S Series Wall Mount Touch Panel to any smooth surface without drilling or cutting, enhancing the beauty and functionality of glass, marble and stone architecture with the sleek style of a Modero S Series control interface. Each of the Multi Mount Kits is compatible with one Modero S Series Wall Mount touch panel: the MSA-MMK-10 is compatible with the MSD-1001 (FG2265-01), the MSA-MMK-07 (FIG. 1) is compatible with the MSD-701 (FG2265-02), and the MSA-MMK-43 with the MSD-431 (FG2265-03).

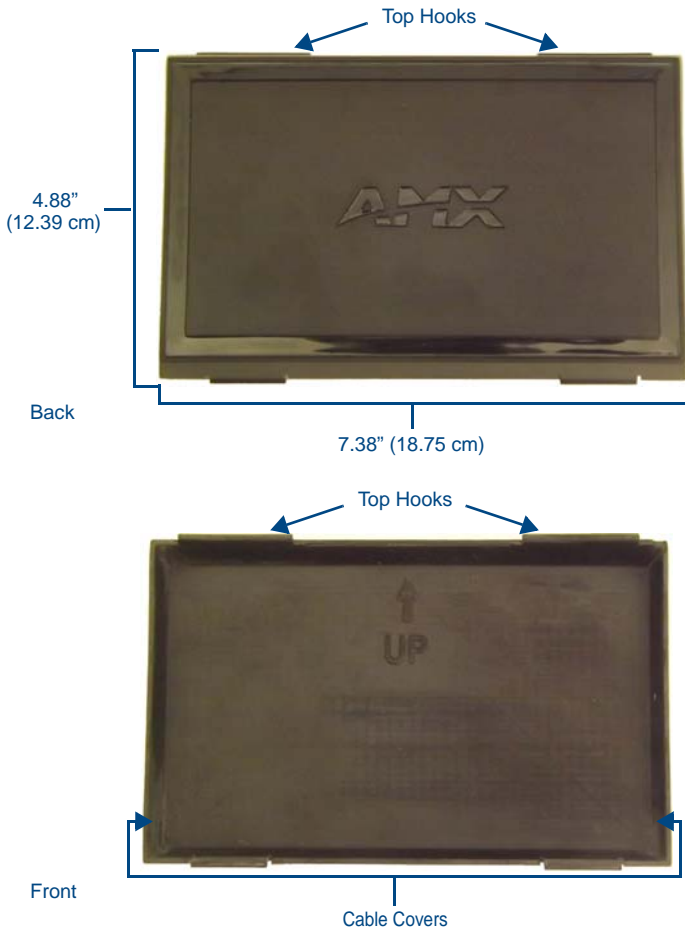


FIG. 1 MSA-MMK-07 Multi Mount Kit, Back Box

Product Specifications	
Models Available:	<ul style="list-style-type: none"> <li>MSA-MMK-10 Multi Mount Kit, 10.1" Modero S Wall Mount (FG2265-11)</li> <li>MSA-MMK-07 Multi Mount Kit, 7" Modero S Wall Mount (FG2265-12)</li> <li>MSA-MMK-43 Multi Mount Kit, 4.3" Modero S Wall Mount (FG2265-13)</li> </ul>
Dimensions (HWD):	<ul style="list-style-type: none"> <li>MSA-MMK-10: 6.84" x 10.04" x 0.95" (17.37 cm x 25.51 cm x 2.40 cm)</li> <li>MSA-MMK-07: 4.88" x 7.38" x 0.91" (12.39 cm x 18.75 cm x 2.25 cm)</li> <li>MSA-MMK-43: 3.42" x 5.04" x 1.04" (8.68 cm x 12.81 cm x 2.64 cm)</li> </ul>
Weight:	<ul style="list-style-type: none"> <li>MSA-MMK-10: 0.25 lbs (113.40 g)</li> <li>MSA-MMK-07: 0.10 lbs (45.36 g)</li> <li>MSA-MMK-43: 0.03 lbs (22.68 g)</li> </ul>

### Product Specifications (Cont.)

Included Accessories:	<b>MSA-MMK-10:</b> <ul style="list-style-type: none"> <li>Back Box (60-2265-11)</li> <li>Modero S MultiMount Cable Cover (2) (60-2265-32)</li> <li>Ethernet Cable, Clear, with 8-pin Flat Connector (ECA2265-02)</li> <li>UTP CAT.5E Black Snap-In Coupler (64-5968-01)</li> <li>Tape, Double-Sided (66-2265-25)</li> <li>HPG-10 HydraPort .75-Inch Grommet (FG570-10)</li> </ul>
	<b>MSA-MMK-07:</b> <ul style="list-style-type: none"> <li>Back Box (60-2265-12)</li> <li>Modero S MultiMount Cable Cover (2) (60-2265-32)</li> <li>Ethernet Cable, Clear, with 8-pin Flat Connector (ECA2265-02)</li> <li>UTP CAT.5E Black Snap-In Coupler (64-5968-01)</li> <li>Tape, Double-Sided (66-2265-25)</li> <li>HPG-10 HydraPort .75-Inch Grommet (FG570-10)</li> </ul>
	<b>MSA-MMK-43:</b> <ul style="list-style-type: none"> <li>Back Box (60-2265-13)</li> <li>Modero S MultiMount Cable Cover (2) (60-2265-32)</li> <li>Ethernet Cable, Clear, with 8-pin Flat Connector (ECA2265-02)</li> <li>UTP CAT.5E Black Snap-In Coupler (64-5968-01)</li> <li>Ferrite (04-0052)</li> <li>Tape, Double-Sided (66-2265-25)</li> <li>HPG-10 HydraPort .75-Inch Grommet (FG570-10)</li> </ul>

### Multi Mount Kit Surface Preparation

Since the Multi Mount Kits are designed to be installed onto smooth surfaces, special considerations must be made to prepare the surface for the kit installation. Before installation, place the back of the Back Box to the surface and verify the final placement of the Multi Mount Kit and the touch panel. The Back Box should not be placed anywhere where it may interfere with foot traffic or with the operation of doors or other items in the immediate environment.

Secondly, for best effect, the Ethernet cable connecting the touch panel to the network needs to have the minimum amount visible across the surface when installation is finished. The total length of the cable is 2 meters (6.56 feet).

To prepare the Ethernet cable for installation:

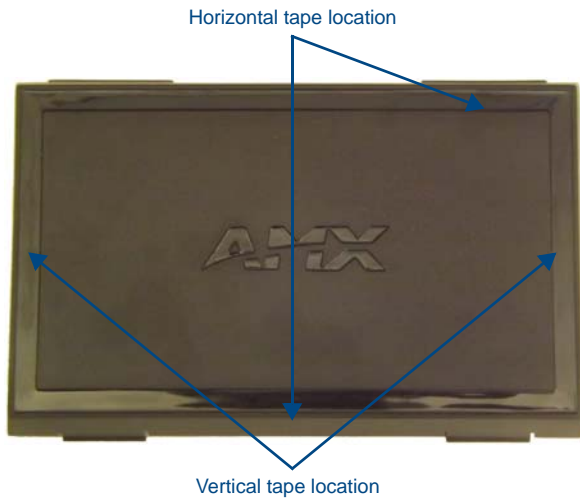
- Examine the area for the nearest available wall through which Ethernet cable connected to the Master can be drawn, and draw the cable to the location.
- Remove the MultiMount Cable Cover (60-2265-32) on the Back Box closest to the available wall (FIG. 1), and pass the clear Ethernet cable through the endcap hole. When installing the MSA-MMK-43, make sure that the end of the cable with the ferrite attached is *outside* the Back Box when you are finished.
- Drill a 3/4" hole through the wall surface nearest to the installation surface to allow the clear Ethernet cable (ECA2265-02) to pass through. Pull the main Ethernet cable through the hole to the installation surface.
- Snap both halves of the HydraPort Grommet (FG570-10) to the terminal end of the clear Ethernet cable, with the pointed end of the grommet facing the wall. When installing the MSA-MMK-43, make sure that the grommet is installed between the ferrite and the Back Box.
- Connect the terminal end of the clear Ethernet cable to the main Ethernet cable, using the snap-in male-to-male coupler (64-5968-01). Do **NOT** draw up the slack until the clear Ethernet cable is connected to the touch panel.

Finally, the surface where the Multi Mount Kit needs to be installed should be cleaned with alcohol or another solvent that will not damage the surface, and then allowed to dry fully before the Multi Mount Kit is installed. Do not touch the area or the tape strips with bare hands, as skin oil from your fingers may interfere with adhesion of the tape used for installation.

## Multi Mount Kit Installation

After determining the exact location where the Multi Mount Kit is to be installed, the Back Box may be attached to the mounting surface. To install the Back Box:

1. Each Multi Mount Kit comes with two sets of strips of adhesive tape, attached to the back of the Back Box (FIG. 2). Carefully peel the backing from the tape strips.



**FIG. 2** Placement of adhesive tape on the Back Box

2. Press the back of the Back Box to the installation surface. Make sure that the positioning is correct, because the tape cannot be removed and then reapplied.
3. Pull enough slack on the clear Ethernet cable through the Back Box to allow the cable to reach the touch panel's RJ45 connector.
4. Remove the touch panel's back box to access the back of the panel.
5. Insert each connector into its corresponding location along the back of the touch panel. For more information on connection, please refer to the Operation Reference Guide for the Modero S Series panel being installed, available from [www.amx.com](http://www.amx.com).
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.
7. Latch the panel onto the top hooks on the back box and rotate it down. Press gently but firmly and evenly on the surface of the touch panel until the top panel snap "clicks" to lock it down.

**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. Peel the backing from one side of the double-sided tape (66-2265-25) and attach it to the side of the clear Ethernet cable facing the wall surface, as close to the side of the back box as possible.
9. Peel the remaining backing from the double-sided tape and press the cable firmly and evenly against the wall surface to secure the cable.
10. Draw up any remaining slack in the clear Ethernet cable, so that only the absolute minimum cable necessary is visible.
11. Slide the grommet down the clear Ethernet cable and into the cable hole in the wall to conceal the hole.
12. Reconnect the terminal Ethernet to its respective location on the NetLinX Master.

## Ethernet/RJ-45 Connections and Wiring

The following table lists the pinouts, signals, and pairing for the Ethernet connector.

Ethernet RJ-45 Pinouts and Signals			
Pin	Signals	Connections	Pairing
1	TX +	1 ----- 1	1 ----- 2
2	TX -	2 ----- 2	
3	RX +	3 ----- 3	3 ----- 6
4	PoE power	4 ----- 4	
5	PoE power	5 ----- 5	4 ----- 5
6	RX -	6 ----- 6	
7	PoE power	7 ----- 7	7 ----- 8
8	PoE power	8 ----- 8	



**FIG. 3** RJ-45 wiring diagram

## Uninstalling the Touch Panel

In order to access the back of the touch panel, such as to install a USB connection for firmware upgrades, the device may need to be uninstalled from the Back Box. To uninstall the touch panel:

1. From the bottom, pull gently outward from the back box. Gently rock the panel back and forth to free the bottom from the back box.
2. Rotate it up to release the top latch hooks, and carefully pull the device free from the back box. Take care not to damage or pull the connections on the back of the device, or to pull the Multi Mount Kit back box from the installation surface.

