

# 4.3" Modero® S Series Wall Mount Touch Panel

MSD-431-L, (FG2265-03)



## Overview

The MSD-431 / 4.3" Modero S Series Wall Mount Touch Panel is a versatile, yet affordable control surface that is equally suited for scheduling or room control. With a generous selection of mounting options, the MSD-431 can be placed on any flat surface (including glass) inside or outside a conference room or classroom, and the built-in room availability bar shows green or red depending on if the room is currently booked. Key features include a brilliant 24-color depth, PoE connectivity, video streaming, and VoIP support – all at an economical price point.

## Common Applications

- The MSD-431 allows even the most cost sensitive meeting spaces to benefit from a dedicated scheduling panel, allowing users to view the room schedule at a glance and even reserve the room right from the panel.
- The MSD-431 is also ideal as a second touch panel that is mounted on the wall or in a podium or lectern in a large conference room or classroom.

## Features

- **Powerful Graphics** – Powered by the G4 graphics engine, the Modero S Series features streaming video and brilliant 24-bit color depth
- **Elegant Room Availability Bar with 180° Visibility** – Easily glance down the hall to see if meeting spaces are occupied
- **Mount to Any Smooth Surface Including Glass** – Use the optional Multi Mount Kit and mount the Modero S wall touch panel to any smooth surface
- **Elegant & Responsive User Interface** – Exclusive SmoothTouch™ display supports single touch gesturing and delivers responsive performance
- **Architectural Design Consistency** – Install both Modero S and Modero X touch panels throughout a facility for consistent style on any budget

## Specifications

TOUCH SCREEN DISPLAY	
Display Type	TFT Active Matrix Color LCD
Display Size (WH)	5" x 3.4" (128 mm x 87 mm), 6" (152 mm) diagonal
Viewable Area (WH)	3.7" x 2.1" (95 mm x 54 mm), 4.3" (109 mm) diagonal
Resolution (WH)	480x272
Aspect Ratio (WH)	16:9
Brightness	350 cd/m2
Contrast Ratio	600:1
Color Depth	16.7M colors
Illumination	LED
Touch Overlay	Resistive
Viewing Angle	40°/80°/65°/65° (Up/Down/Left/Right)

MEMORY	
SDRAM	512 MB
Flash	4 GB
Maximum Project Size	2.4 GB flash available to user

COMMUNICATIONS	
ETHERNET	10/100 port, RJ-45 connector. Supported IP and IP-Based Protocols: UCP, TCP, ICMP, ICSP, IGMP, DHCP, Telnet, FTP, DNS, RFB (for VNC), HTTP
USB	(1) USB host 2.0, Type A port: firmware upgrade, touch panel file transfer, JPEG image viewer, HID peripherals
Bluetooth®	Mouse/Keyboard: HID Profile v1.1, requires MXA-BT, Bluetooth USB Adapter for Modero X/S Series Touch Panels (FG5968-19) and MXA-HST, Bluetooth Handset for Modero X/S Touch Panels (FG5968-17)

VIDEO	
Supported Video Codecs	MJPEG up to 720p at 25 fps (decode only)

AUDIO	
Microphone	-42 dB ± 3 dB sensitivity FET microphone
Speakers	4 ohm, 1.5 Watt, 500 Hz cutoff frequency
Supported Audio Codecs	MP2 Layer I and II, MP3 (8 kHz, 11.025 kHz, 12 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz)  AAC-LC (8 kHz, 96 kHz)  G.711 with $\mu$ Law (VoIP encode/decode at 8 kHz)
File Formats	WAV, MP3 (as part of touch panel file only - no USB storage)
Intercom	Full Duplex VoIP, SIP v2.0 (supported with AMX-CSG)

GRAPHICS ENGINE	
AMX G4	AMX's exclusive, powerful G4 graphics engine – the driving force behind the advanced graphics and image processing capability on a variety of AMX Touch Panels and other devices (see TPD4 Operations Guide for more information)

EMBEDDED APPLICATIONS	
Remote Management	VNC Server, G4 Web Control, AMX Resource Management Suite
Video Conferencing	Panel-to-panel and video chat (the MSD-431 receives video and returns audio)
Audio Conferencing	Audio (full duplex intercom)

FRONT PANEL COMPONENTS	
Programmable Red/Green LEDs	Programmable red/green LED in the front, left and right sides of the panel, LEDs are beautifully recessed and nearly invisible when not lit
Sleep Button	Sleep button to activate sleep mode and powering off. Also provides access to setup pages (can be disabled)

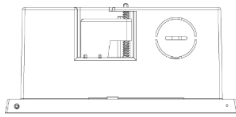
CONNECTIONS	
Ethernet	10/100 port, RJ-45 connector
USB	(1) USB host 2.0, type A port
Power	PoE (Power over Ethernet), 802.3af, class 3

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: 13.6 BTU/hr Standby: 10.9 BTU/hr

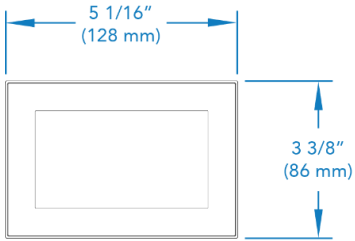
GENERAL	
Dimensions (HWD)	3 3/8" x 5 1/16" x 2 5/8" (86 mm x 128 mm x 66 mm)
Weight	0.65 lbs (.295 Kg), with back box 0.5 lbs (.225 Kg), without back box
Power Consumption	Full-On: 5 W (max) Typical: 3 W Standby: 2 W Shutdown: 0.7 W
Start-Up Inrush Current	Not applicable due to PoE standard
External Power Supply Required	Optimal performance requires use of one of the following AMX PoE power supplies (not included): <ul style="list-style-type: none"> <li>• PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (FG423-83)</li> <li>• NXA-ENET8-2POE, Gigabit PoE Ethernet Switch (FG2178-63)</li> </ul>
Regulatory Compliance	FCC Part 15 Class B CE EN 55022 CE EN 55024 CE EN 60950-1 IEC 60950-1 IC CISPR 22 Class B C-Tick CISPR 22 Class B UL 60950-1 VCCI CISPR 22 Class B RoHS WEEE

Optional Accessories	<ul style="list-style-type: none"> <li>• MSA-MMK-43, Multi Mount Kit, 4.3" Modero S Wall Mount (FG2265-13)</li> <li>• MXA-MP, Modero X/S Series Multi Preview (FG5968-20)</li> <li>• MXA-MPL, Modero X/S Series Multi Preview Live (FG5968-10)</li> <li>• PS-POE-AF-TC, PoE Injector, 802.3AF Compliant (FG423-83)</li> <li>• NXA-ENET8-2POE, Gigabit PoE Ethernet Switch (FG2178-63)</li> <li>• MXA-BT, Bluetooth USB Adapter for Modero X/S Series Touch Panels (FG5968-19)</li> <li>• MXA-HST, Bluetooth Handset for Modero X/S Series Touch Panels (FG5968-17)</li> <li>• CB-MSA-43, Rough-In Box and Cover Plate for the 4.3" Wall Mount Modero S Series Touch Panel (FG2265-10)</li> <li>• MXA-CLK, Modero X/S Series Screen Cleaning Kit (FG5968-16)</li> <li>• MXA-USB-C, USB Port Covers for the Modero X/S Series Touch Panels (FG5968-18)</li> </ul>
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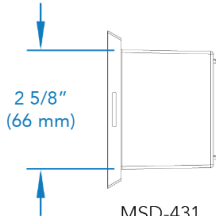
For a more detailed PDF or DXF pictorial drawing please visit: <http://www.amx.com/products/MSD-431.asp>



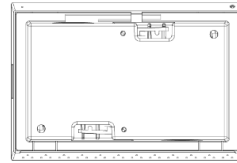
MSD-431  
(Top View)



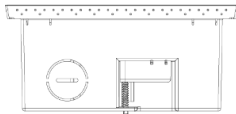
MSD-431  
(Front View)



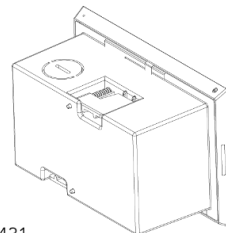
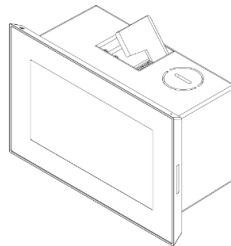
MSD-431  
(Right View)



MSD-431  
(Back View)



MSD-431  
(Bottom View)



MSD-431  
(Isometric Views)

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Founded in 1982 and acquired by HARMAN in 2014, AMX® is dedicated to providing AV solutions for an IT World. AMX solves the complexity of managing technology with reliable, consistent and scalable systems comprising control, video switching and distribution, digital signage and technology management. AMX systems are deployed worldwide in conference rooms, classrooms, network operation/command centers, homes, hotels, entertainment venues and broadcast facilities, among others. AMX is part of the HARMAN Professional Group, the only total audio, video, lighting, and control vendor in the professional AV market. HARMAN designs, manufactures and markets premier audio, video, infotainment and integrated control solutions for the automotive, consumer and professional markets. Revised 06.17.16. ©2016 Harman. All rights reserved. Specifications subject to change.

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