

AM-200 AirMedia® Presentation System 200

Crestron Fusion® Room Monitoring

AirMedia presentation spaces can be centrally monitored and managed through integration with the Crestron Fusion enterprise management service. Adding an optional wireless occupancy sensor enhances monitoring and automation capabilities by reporting and logging when people are present in the space, and turning the display on and off accordingly. Crestron Fusion also supports room scheduling, with the ability to integrate with an expanded selection of popular third-party calendaring applications.

An AirMedia presentation space can turn on and off automatically according to its schedule to save energy. If no one shows up for a scheduled meeting, the space can be returned to inventory automatically to maximize availability for new bookings. Occupancy and usage data can be collected, and reports can be generated to help organizations optimize investments in space and technology. In the event of a technical issue, instant alerts notify the help desk to rapidly resolve problems and maximize uptime and workflow. For more information about Crestron Fusion, please visit <https://www.crestron.com/fusion>.

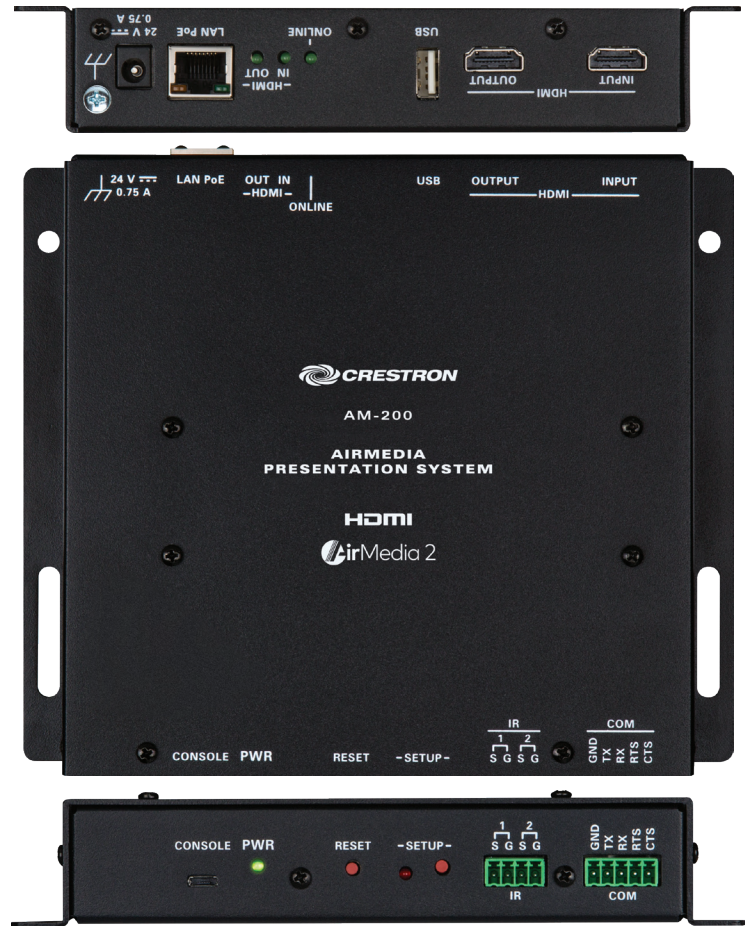
XiO Cloud Provisioning and Management

XiO Cloud is Crestron's unifying cloud-based platform for remotely provisioning, monitoring, and managing Crestron devices across an enterprise or an entire client base. XiO Cloud enables installers and IT managers to deploy and manage thousands of devices in the amount of time it would ordinarily take to manage just one. It provides a zero-touch solution that allows complete configuration of device settings without any hardware in hand, then simply connect each device on site and let XiO Cloud push out the settings, licenses, drivers, and firmware updates – automatically and securely – for a quick and painless, ready-to-use deployment.

Ongoing XiO Cloud services facilitate daily management and monitoring of every device through a single dashboard with comprehensive reporting and logging, live status viewing and alerts, performance metrics and analytics, scheduled actions and updates, and more. As requirements grow and evolve, new features and functionality can be added easily to one or many devices at any time without ever going on site. XiO Cloud is a subscription-based service offering an adaptable SaaS (Software as a Service) solution with graduated levels of functionality and unlimited scalability. For more information about XiO Cloud, please visit <https://www.crestron.com/xiocloud>.

Enterprise-Grade Security

The AirMedia Presentation System is an enterprise-grade solution that can be deployed affordably across hundreds of spaces, and set up easily using just a web browser, Crestron Fusion, or XiO Cloud. It employs standard network security protocols, including 802.1X network access control, Active Directory® authentication, and AES content encryption, to protect privacy and ensure compliance with your organization's IT policies.



AM-200 – Top, Front, and Bottom Views

Add-On Control Options

Manual control of the AM-200 can be enabled by adding a Crestron [TSW-760](#) or [TSW-1060](#) series touch screen. The touch screen provides a small-screen view of the room schedule and meeting details, with controls for input source selection, display power on/off, and display volume and mute, plus a help page. Additional control options include a wireless 4-button keypad ([ZUMMESH-KP10AV5BATT](#) series^[3]), which provides simple on/off and volume control, and a wireless occupancy sensor ([ZUMMESH-PIR-OCCUPANCY-BATT](#)) for enhanced automation and room monitoring functionality. The wireless keypad and occupancy sensor require the addition of the wireless AV Bridge accessory ([ZUMMESH-AVBRIDGE](#)), which connects to the AM-200 via USB.

Note: The AM-200 is engineered to deliver a consistent user experience across many spaces, with intuitive functionality tailored for small seating areas and huddle spaces. It cannot be custom programmed and is not addressable from a Crestron control system.

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SPECIFICATIONS

Communications

Ethernet: 10/100 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, TCP/IP, UDP/IP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), IEEE 802.1X, Active Directory authentication, HTTPS web browser setup and XiO Cloud client, 802.3af and 802.3at Type 1 compliant

AirMedia: (Via Ethernet) IPv4, mDNS, TLS, AES ^[1]

USB Host: USB 2.0 for optional Crestron AV Bridge (model [ZUMMESH-AVBRIDGE](#) sold separately) to enable wireless keypad control and occupancy sensing

USB Device: USB 2.0 for computer console (installer setup and firmware update)

RS-232: 2-way display device control up to 115.2k baud with hardware and software handshaking

IR/Serial: 1-way display device control via infrared up to 1.1 MHz or serial TTL/RS-232 (0-5 Volts) up to 19.2k baud

HDMI Input: HDCP 1.4, EDID

HDMI Output: HDCP 1.4, EDID, CEC

NOTE: Supports management of HDCP and EDID

AirMedia ^[1]

Mobile App OS Support: Apple iOS, Android

Client Software OS Support: Windows 7, Windows 8, Windows 10, macOS (versions 10.10 through 10.13)

Client Software Video Frame Rate: 30 fps, audio supported

Full Screen Device Mirroring: Shares the screen image and audio from an Apple iOS, Android, macOS, or Windows device

Resolutions: 800x600@60Hz, 1024x768@60Hz, 1280x720@60Hz (720p60), 1280x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1920x1080@60Hz (1080p60), 1920x1200@60Hz

Bitrate Peak: 0.25 to 8.5 Mbps, variable depending on content complexity

Bitrate Average: 1.4 Mbps typical

Note: The bitrate for Apple native mirroring may deviate from above depending on the OS version and content

Audio Format: Stereo

Video

Input Signal Types: AirMedia, HDMI (DVI & Dual-Mode DisplayPort compatible ^[2])

Output Signal Types: HDMI (DVI compatible ^[2])

Maximum Input Resolution: 1920x1080@60Hz (HD 1080p60), 4:4:4, 36 bit color depth

NOTE: Other input resolutions are supported at pixel clock rates up to 148 MHz; interlaced video is not supported

Output Resolutions: 1920x1080@60Hz (1080p60), 3840x2160@30Hz (4K UHD)

NOTE: All video inputs are automatically scaled to the operative output resolution when displayed full screen.

Background & Logo File Support: GIF, JPEG, PNG

Audio

Input Signal Types: AirMedia, HDMI (Dual-Mode DisplayPort compatible ^[2])

Output Signal Types: HDMI

Input/Output Format: 2 channel LPCM

NOTE: Audio input signals are passed to the output without any processing. Volume control capability requires a display device with discrete volume up, down, and mute commands available via CEC, IR, or RS-232.

Connectors

CONSOLE: (1) Micro-USB Type B connector, female; USB 2.0 device port for computer console (installer setup); 6 ft (1.83 m) USB Type A to Micro-B cable included

IR: (1) 4-pin 3.5 mm detachable terminal block;

IR/Serial output port for display device control;

IR output up to 1.1 MHz;

1-way serial TTL/RS-232 (0-5 Volts) up to 19200 baud

Note: IR port #2 is not used. IRP2 emitter sold separately.

COM: (1) 5-pin 3.5 mm detachable terminal block;

Bidirectional RS-232 port for display device control;

Up to 115.2k baud, hardware and software handshaking support

HDMI INPUT: (1) HDMI Type A connector, female;

HDMI digital video/audio input;

(DVI & Dual-Mode DisplayPort compatible ^[2])

HDMI OUTPUT: (1) HDMI Type A connector, female;

HDMI digital video/audio output;

(DVI compatible ^[2])

USB: (1) USB Type A connector, female;

USB 2.0 host port for Crestron AV Bridge ([ZUMMESH-AVBRIDGE](#) sold separately)

LAN PoE: (1) 8-pin RJ45 connector, female;

10Base-T/100Base-TX Ethernet port;

PoE PD port

24 VDC 0.75 A: (1) 2.1 x 5.5 mm DC power connector;

24 Volt DC power input;

[PW-2407WU](#) power pack included

Ground: (1) 6-32 screw;

Chassis ground lug

Controls & Indicators

PWR: (1) Green LED, indicates operating power supplied via the local power pack or PoE, flashes while booting

RESET: (1) Recessed pushbutton for hardware reset

SETUP: (1) Red LED and (1) recessed pushbutton for Ethernet setup, momentarily displays the device's IP address at the HDMI output when pressed

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ONLINE: (1) Green LED (not used)

HDMI IN & OUT: (2) Green LEDs, indicate HDMI signal presence at the HDMI input or output

LAN PoE: (2) LEDs, green LED indicates Ethernet link status, amber LED indicates Ethernet activity

Power

Power over Ethernet: IEEE 802.3at Type 1 (802.3af compatible) Class 0 (12.95 W) PoE Powered Device

Power Pack (included): Input: 100-240 Volts AC, 50/60 Hz;
Output: 0.75 Amps @ 24 Volts DC;
Model: [PW-2407WU](#)

Power Consumption: 8 Watts (typical)

Environmental

Temperature: 32° to 104° F (0° to 40° C)

Humidity: 10% to 90% RH (non-condensing)

Heat Dissipation: 27.3 BTU/hr

Enclosure

Chassis: Metal, black finish, with (2) integral mounting flanges, vented sides

Mounting: Freestanding, surface mount, or attach to a single rack rail

Dimensions

Height: 6.42 in (163 mm)

Width: 7.40 in (188 mm)

Depth: 1.35 in (35 mm)

Weight

19.6 oz (554 g)

Compliance

CE, IC, FCC Part 15 Class B digital device

MODELS & ACCESSORIES

Available Models

AM-200: AirMedia® Presentation System 200

Included Accessories

PW-2407WU: Wall Mount Power Pack, 24VDC, 0.75A, 2.1mm, Universal

Available Accessories

ZUMMESH-AVBRIDGE: AV Bridge – Wireless Control Integration Module

ZUMMESH-KP10AV5BATT Series: Battery-Powered Wireless AV Keypad, 4-Button w/Custom Engraving

ZUMMESH-PIR-OCCUPANCY-BATT: Zūm Wireless Battery-Powered Occupancy Sensor

TSW-760 Series: 7” Touch Screen

TSW-1060 Series: 10.1” Touch Screen

CBL-Series: Crestron® Certified Interface Cables

MP-WP Series: Media Presentation Wall Plates

MPI-WP Series: Media Presentation Wall Plates – International Version

PWE-4803RU: PoE Injector

CEN-SW-POE-5: 5-Port PoE Switch

CEN-SWPOE-16: 16-Port Managed PoE Switch

CNSP-XX: Custom Serial Interface Cable

IRP2: IR Emitter

SW-XIOC-S Series: XiO Cloud Standard Provisioning and Management Service for one device

SW-XIOC-P Series: XiO Cloud Premium Provisioning and Management Service for one device

SW-FUSION-C-3: Crestron Fusion® Cloud; 250 rooms; 3-year

SW-FUSION-P-L: Crestron Fusion® On-premises; Unlimited rooms; lifetime

SW-HS-x-C Series: Crestron Fusion® Cloud Room Scheduling

SW-HS-x-P Series: Crestron Fusion® On-premises Room Scheduling

Notes:

1. AirMedia wireless presentation requires a wired network connection between the AM-200 and an external Wi-Fi wireless access point (not included). Laptops may alternately connect to AirMedia using a wired Ethernet connection. Full-motion video performance is dependent upon the performance of the network and the sending device. The AM-200 supports the same essential functionality as the [AM-101](#) AirMedia Presentation Gateway with the exclusion of quad view, moderator mode, and remote view. Computer client software and mobile device apps are available for download at <https://www.crestron.com/airmedia>.
2. Using an appropriate adapter or interface cable, the HDMI input can support DVI and Dual-Mode DisplayPort sources, and the HDMI output can provide a DVI signal. [CBL-HD-DVI](#) interface cables are available separately.
3. Wireless keypad functionality is limited to power on/off and volume up/down. Keypad button engraving must be specified at the time of order.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at <https://www.crestron.com/How-To-Buy/Find-a-Representative> or by calling 855-263-8754.

The specific patents that cover this and other Crestron products are listed online at <https://www.crestron.com/legal/patents>.

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