# MODENA™ HUB+
# WIRELESS PRESENTATION HUB



Modena ™Hub+ is a wireless presentation hub that supports the new ways in which people are increasingly accustomed to working. Ideal for BYOD and BYOM spaces, Modena Hub+ allows participants to connect to meeting room AV equipment and USB accessories wirelessly, as well as enabling any participant to wirelessly receive its AV streams during a video conferencing session. Modena Hub+ supports most UC software and hardware devices, while enabling the user to wirelessly share content with other meeting participants. Modena Hub+ also connects to AV peripherals via USB and HDMI, and can support multiple USB devices via a standard USB hub or by connecting a Devio® SCR-20 or SCR-25.

## FEATURES

- BYOM (bring your own meeting) allows users to enjoy Modena with any communications platform of their choice.

- Enjoy a client-free experience with your web browser

- Meet everywhere: with Modena Hub+, any place is a meeting room

- Enable a display to receive content by connecting a computer running the web or software client, or an Android dongle; or run the Android TV app directly on a smart TV

- All personal devices can send and receive presentations directly to the screen of participants' laptops, tablets, or mobile devices

- Configure Modena Hub+ for large teaching spaces and give everyone a perfect view using Auditorium mode, for up to 150 users

- Dual network capability separates guests from corporate wireless users for added security

- Covered by Biamp Systems' five-year warranty

## ARCHITECTS & ENGINEERS SPECIFICATIONS

The wireless presentation hub shall be designed to connect web-based soft codec conferencing systems with in-room audio and video devices. It shall also allow multiple session participants to directly receive content from in-room audio/video devices on their compatible computing devices via the use of custom USB drivers. The wireless presentation hub shall connect to AV peripherals via a Universal Serial Bus (USB) connection using a standard USB 3.0 A-type connector. The wireless presentation hub shall be equipped with one High-Definition Multimedia Interface (HDMI) port on the rear panel. The wireless presentation hub shall connect to an Ethernet network via an RJ-45 connector to allow participants using client devices to join a shared session. The client devices shall operate using Windows, Mac OS X, iOS or Android operating systems and shall have installed the Modena Hub+ custom drivers and client software. The wireless presentation hub shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be five years. The wireless presentation hub shall be the Modena™ Hub+.

## MODENA HUB+ SPECIFICATIONS

| Modena Hub+ unit specifications: | | Modena Client requirements: | |
|---|---|---|---|
| Wireless presentation resolution: | Up to HD 1080p@30fps | Desktop Client | |
| Wireless USB feed resolution: | Up to HD 720p@30fps | CPU: | Intel® i5 equivalent or faster |
| WiFi network interface: | IEEE 802.1ac/ a b g n 2.4/5 GHz antennas WPA2-PSK Authentication | Web browser: | Chrome™, Firefox™, Edge™ |
| | | Windows® (presenter/viewer): | Windows 10 .NET® Framework 4.5; Microsoft® Direct3D |
| Wired network connection: | Ethernet RJ-45 port, 1000 Mbit/s | Mac OSX® (presenter/viewer): | Mac OSX 10.11 or higher |
| USB port: | USB 2.0/3.0 | Mobile Client | |
| Media port: | HDMI | Android®: | Android 8 or higher |
| | | iOS®: | iOS 11 or higher |
| Wireless Access Point: | | Network | |
| Power: | External power adaptor 12V DC | Minimum Bandwidth: | 4 Mbps average / 15 Mbps peak per connected client (upstream when presenting; downstream when receiving) |
| Overall Dimensions | | | |
| Height: | 2 inches (51 mm) | | |
| Width: | 6.3 inches (160 mm) | | Additional 4 Mbps average / 15 Mbps peak for the videoconference host when using the Wireless USB feature |
| Depth: | 5.2 inches (132 mm) | | |
| Weight: | 2.4 lbs (1.1 kg) | Wireless Connection: | 2.4Ghz 802.11n compatible Wifi interface 5Ghz 802.11ac compatible Wifi interface (recommended) Minimum distance between device(s) and access point: ~ 3 feet (~ 1 meter) |
| Environmental | | | |
| Ambient Operating Temperature Range: | 32 - 104° F (0 – 40° C) | | |
| Ambient Storage Temperature Range: | -4 - 140° F (-20 - 60° C) | Signal Strength: | RSSI on connected devices: stable above -65dBm (recommended > - 60dBm) |
| Humidity: | 0-95% relative humidity (non-condensing) | | |
| Altitude: | 0-6,600 ft (0-2000m) MSL | | SNR (RSSI - Noise) on connected devices: stable above 25dB (recommended > 35dB) |

## MODENA HUB+ REAR PANEL