

BluePOD® Conference Mate Audio Conferencing System

- A. Furnish and install a Bluetooth® wireless audio conferencing system. The audio conferencing system shall be capable of managing calls made with a computer, laptop or mobile device such as smartphones or tablets. The system shall be capable of connecting to external microphones, amplifiers and speakers.

A1. Base Unit

The base unit shall provide wireless Bluetooth® connectivity for computers, laptops and mobile devices through a connected Bluetooth® wireless access point. The unit's Bluetooth® connectivity shall provide control of volume and mute through the wirelessly connected computer, laptop or mobile device. The unit shall employ an audio mixer with DSP functions, including acoustic echo cancellation. The mixer shall include two microphone inputs that accept balanced or unbalanced analog signals at a six pole Phoenix style connector and provide a +48VDC phantom power. The mixer shall include two line audio inputs that accept balanced or unbalanced analog signals at a six pole Phoenix style connector. The mixer shall provide two line audio outputs that is a balanced or unbalanced analog signal at a six pole Phoenix style connector. The unit shall employ a class D stereo amplifier delivering 25 watts power output per channel at 4 or 8 ohms (selectable) at two pole Phoenix style connectors. The unit shall provide a 10/100 Base-T Ethernet port that allows for web browser access from a computer, laptop or mobile device to control the audio mixer functions. The unit shall have four USB type A ports that support USB standard 1.0 and 2.0 and allow for connection of USB microphones and speakers. The unit shall have an RJ-45 port that allows for connection to the included Bluetooth wireless access point.

A2. Bluetooth® Wireless Access Point / Transceiver

The transceiver unit shall employ a 4.2 aptX HD long-range transceiver that supports 24-bit, high-resolution Bluetooth® audio. The unit shall provide bidirectional Bluetooth® connectivity to connect a computer, laptop or mobile device wirelessly to the base unit. The unit shall provide up to 100-foot/30-meter sphere of Bluetooth® broadcast coverage and shall eliminate signal interference between the conference area and the base unit. The unit shall automatically disconnect the computer, laptop or mobile device once the call has ended to prevent unwanted and unexpected audio broadcasts from private phone calls. The unit shall have an RJ-45 port that allows for connection to the base unit. The unit shall be powered by the base unit over a Cat6 cable and shall allow for being mounted on a ceiling or wall.

Williams AV, LLC products are specified.

- B. Furnish and install the following:

1. Williams AV BluePOD® Conference Mate AP BP1 with power supply and one (1) B-WAP Bluetooth® transceiver (qty: 1ea.)
2. Williams AV BluePOD® Conference Mate AP SY1 with one (1) B-WAP Bluetooth® transceiver, two (2) 6.5" two-way in-ceiling speakers, two (2) low profile, unidirectional boundary microphones (Qty: 1 ea.)

Contact Williams AV for a quote:

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A&E Specs are available in Microsoft Word format. Call Williams AV.