

Page 32 Inserted Podium Wireless Microphone for Courtroom 2

Podium Wireless Microphone Transmitter:

To allow the Podium to be completely moveable in Courtroom 2 the Podium microphone flush-mount receptacle shall be wired with a short, 2' pigtail cable, terminated with an XLR-M connector inside the Podium. This XLR-M connector may be connected to a standard microphone cable (*q.v.*), and plugged into the Podium floor box receptacle (*q.v.*). Alternately, the Podium microphone pigtail cable may be plugged into a plug-on wireless microphone transmitter for completely portable use. The frequency-agile FM wireless plug-on transmitter with locking 3-pin XLR-F-type connector shall be a part of a wireless microphone system operating in the bands of 541.500–566.375 MHz or 655.500–680.375 MHz. It shall be designed to convert a dynamic or condenser microphone to wireless operation. It shall be capable of transmitting on any of 996 PLL-synthesized frequencies (adjustable in 25 kHz steps) per band and shall be compatible with Audio-Technica 3000 Series or 1800 Series receivers. The transmitter shall transmit a digital Tone Lock signal that allows the receiver to un-mute. A dual color LED indicator shall illuminate “green” when the transmitter is turned on and “red” when the transmitter is muted. The transmitter shall have an audio input level adjustment range of 24 dB. All adjustments shall be via soft-touch controls and shall remain as set even if the transmitter loses power or the batteries are removed. A sliding door shall cover the setup controls when not in use. The transmitter shall operate on two AA batteries and contain a Hi/Lo power selector. The transmitter shall be equipped with a backlit LCD screen used to show operating frequency and programming status. A battery fuel gauge shall be incorporated into the display to indicate the status of the internal batteries. The transmitter shall provide 12V DC to power condenser microphones. The transmitter housing shall be metal with integral antenna and captive battery door.

The frequency-agile FM wireless receiver shall be all-metal and shall provide an automatic scanning function to select appropriate local usable channels for proper wireless system operation. All configuration functions of the receiver shall be controlled by soft-touch controls on the receiver front panel. It shall be a True Diversity receiver with two independent internal receiver sections, automatically selecting the highest quality signal for the receiver’s output. The system will be equipped with an advanced Tone Lock™ digital identification system to ensure that only the desired wireless microphone transmitter allows the receiver to be un-muted. The receiver shall have an alert LED on the front panel that indicates transmitter low battery warning, signal loss and input overload. The receiver shall continuously monitor and display the battery life indicator of the wireless transmitter, the RF signal strength and the diversity selection of internal dual tuner sections (A&B). The receiver shall have a rear panel selector to lift the ground connection from pin 1 of the XLR-type output connector to prevent ground loops. The receiver shall be able to be powered by 120V AC 60 Hz or 12–18V DC at 500 mA. Antennas shall be located on the rear of the receiver and shall incorporate standard BNC-type connectors to allow them to be detached from the receiver to facilitate the receiver being used with external antennas or antenna distribution devices. Switchable 12V DC power shall be provided on the BNC-type connectors. An accessory bracket should allow for the antennas to be located at the front of the receiver. The receiver can be rack-mounted singly or in pairs in a single rack space. The receiver’s design shall provide totally silent audio output mute when the wireless transmitter is turned off or signal is lost. The wireless receiver and the supplied metal rack-mounting brackets shall be industrial black.

The wireless plug-on transmitter shall be the Audio-Technica ATW-T1802, or approved equal.
The wireless microphone receiver shall be the Audio Technica ATW-R3100b or approved equal.

Page 33 amended antenna distribution amplifier information for Courtroom 2

The antenna distribution amplifier shall be Audio-Technica AEW-DA550C, or approved equal. Two (2) shall be provided for Courtroom # 2.

Page 36 – amended Remote Audio Control (VCA) language.

~~One channel of the dual channel VCA shall be used for the main Courtroom audio, and the second channel shall be used for the videoconference/teleconference audio~~

One channel of the dual channel VCA shall be used for the main Courtroom audio, and the second channel shall be used for future expansion.

Page 50 – amended Unbalanced-to-balanced converters

~~The unbalanced to balanced converters shall be Radio Design Labs Model FP-UBC6 or approved equal. Three (3) shall be provided for each system.~~

The 6 channel unbalanced-to-balanced converters shall be Radio Design Labs Model FP-UBC6 or approved equal.

Page 50/51 - amended Remote Audio Control (VCA) language.

~~One channel of the dual channel VCA shall be used for the main Courtroom audio, and the second channel shall be used for the videoconference/teleconference audio~~

One channel of the dual channel VCA shall be used for the main Courtroom audio, and the second channel shall be used for future expansion.

Page 62 – amended Unbalanced-to-balanced converters

~~The unbalanced to balanced converters shall be Radio Design Labs Model FP-UBC6 or approved equal. Three (3) shall be provided for each system.~~

The 2 channel unbalanced-to-balanced converters shall be Radio Design Labs Model FP-UBC2 or approved equal.

Page 62/63 – amended Remote Audio Control (VCA) language.

~~One channel of the dual channel VCA shall be used for the main Courtroom audio, and the second channel shall be used for the videoconference/teleconference audio~~

One channel of the dual channel VCA shall be used for the main Courtroom audio, and the second channel shall be used for future expansion.