

01-EXESYS-BLK-11 Solo Executive Wireless Microphone System

Architects' & Engineers' Specifications

The wireless microphone system shall operate in the 1.9 GHz UPCS (unlicensed personal communications services) spectrum. The system shall consist of eight easily wearable full duplex microphone transceivers (Solo Wireless Microphones), one eight-channel rack mountable base station transceiver (Solo Executive Base Station), one switching power supply (Solo Executive Power Adapter), one eight-microphone charging fixture (Solo Executive Charger Base), eight easy release lanyards (Solo Lanyard), eight over-ear audio earpieces (Solo Earpiece), and one installation and operation manual.

There shall be a multicolored LED visible through the top of the microphone case providing mute and pairing information. The microphone shall operate on a quick-chargeable lithium polymer battery capable of 8 hours of talk time. Microphone charging shall only occur in the provided charging fixture. Microphones shall have an integral pocket clip to attach to users clothing or to a lanyard. The supplied audio earpiece shall attach to a 2.5mm port on the microphone for voice lift or other custom applications and have an in-line volume control wheel.

There shall be a green power LED and eight multicolored channel LEDs providing microphone mute and pairing information on the front of the base station. Two sets of removable diversity antennae and a system mute antenna shall be attached to the front of the base station. The rear of the base station shall provide eight independent balanced line level input and output connectors on mini-phoenix type (3.5mm) jacks. Base station outputs shall normally be routed to a third party DSP based audio mixer, with a minus signal returned to the microphone input jacks. A circuit breaker type power switch shall be used for on/off functions. There shall be two switches on the rear panel to control system muting functionality and local/remote assignment. A mini-phoenix style connector shall be employed to distribute clock information when multiple systems are used in the same installation. A 25

pin DIN port shall provide muting control to third party automation products. A Learn button and red LED shall provide pairing capability and indication for the system mute function with the charger base. The base station and microphones shall use 128 bit digital audio encryption for communications security.

The charger base shall have a multicolored LED on the top of the charger to indicate power and system mute information. A Mute button shall be located next to the LED that provides system mute when pressed while in normal operation (i.e. when not under control by third party control systems). Microphones shall stop charging when batteries are fully charged.

The manufacturer shall provide a one year Warranty for defects in materials and workmanship.

The Revolabs Solo Executive wireless microphone system is specified.

System Specifications

Dimension and weight:

Solo Executive Base Station: 16.9" (43.03cm) x 8.0" (20.32cm) x 1.7" (4.42cm), 6.5 lbs (2.95 kg)
Solo Executive Charger Base: 8.3" (21.1cm) x 4.3" (10.9cm) x 1.0" (2.56cm), 1lb (0.45 kg)
Solo Executive Wireless Microphone: 0.9" (2.4cm) x .8" (1.95cm) x 2.6" (6.68cm), 0.05 lb (0.01 kg)

Power requirements:

Solo Executive Base Station: 100-240VAC, 50-60 Hz, 5W (Universal Inputs)
Solo Executive Charger Base: 5VDC Switching Power Supply, 100-120VAC, 60 Hz, 0.3 Amps

Environmental requirements:

Temperature: 5 to 40 degree C (operating)
Humidity: 20 to 85%