



# revolabs

# Executive Elite™



## THE GOLD STANDARD IN NEXT GENERATION WIRELESS MICROPHONE SYSTEMS

Revolabs Executive Elite™ 4- and 8-channel wireless microphone systems are the latest products in the Revolabs family of boardroom and conference room audio solutions. They are architected to support deployments requiring increased numbers of microphones, provide enhanced integration with room control systems, leverage a distributed architecture for straightforward, trouble-free installations, and facilitate remote management capabilities. Finally, the Executive Elite products feature the superior audio quality required for exceptional audio and video conferencing.

Utilizing a distributed architecture, Executive Elite separates the remote antenna receiver unit from the Executive Elite base digital signal-processing (DSP) unit. The remote antenna receiver and base DSP units are connected via a standard CAT 6 cable supporting Power over Ethernet (PoE) and enabling simplified distributed or in-room installations. Whether ceiling or wall mounted, the remote antenna receiver unit can be placed in the room where the wireless microphones are located despite the location of the receiver base DSP unit. Revolabs Executive Elite systems support up to four or eight microphones and employ Revolabs OTA™ technology. Revolabs OTA technology enables receivers in relative proximity to one another to synchronize automatically, thus allowing deployments of multiple Revolabs Executive Elite receivers to take advantage of up to 60 high-definition audio

channels in North America, South America, and Japan. In Europe, Africa, Asia, and Australia, Executive Elite receivers benefit from up to 120 high-definition channels and when switching to high-density mode, the receivers can tap into even more channels. The distributed architecture serves to further support deployments requiring significant numbers of microphones for audio and unified communication applications.

The Executive Elite receiver pairs exclusively with the full suite of Revolabs Executive Elite microphones and adapters. The suite includes omni directional, directional, gooseneck (6-inch and 12-inch variations), and wearable microphones as well as XLR and TA4 (mini XLR) adapters. Microphones and adapters can be mixed and matched to suit the user's deployment requirements. The Revolabs Executive Elite microphones introduce new and improved audio management capabilities enabling significantly enhanced audio pickup, improved signal-to-noise ratio, and expanded digital signal communication over the wireless link. When combining these advancements with Revolabs "Designed for Speech" technology, the Executive Elite microphones provide the highest quality audio for any communication application.

Best of all, the Executive Elite microphones are extremely easy to use. Participants simply remove the microphone from the charger, un-mute the microphone, and begin speaking.

Whether in a boardroom, collaboration room, classroom, lecture hall, house of worship, broadcast application, or other enterprise environment, Revolabs Executive Elite allows for easy, "untangled" audio via a flexible wireless solution adaptable to any of today's complex communication requirements.

Revolabs Executive Elite offers both local and remote "cloud-based" system management. The base DSP unit's display provides administrators with information on microphone status, audio and radio signal strength, and system performance. The local Web-based interface also allows both installers and system administrators to manage the system locally by connecting a laptop or tablet directly to the base DSP unit via USB. The enhanced integration capabilities supporting third party room control systems enables management of the audio behavior in the room from a single console. For remote management, including third-party managed installations, the Revolabs Executive Elite offers a cloud-based management environment that provides information and management for all Revolabs Executive Elite customer specific installations on a single screen.

Revolabs Executive Elite supports the highest standards in security. All wireless communication between the microphones and remote antenna receiver units are AES-256 encrypted, with encryption keys automatically updated every 60 seconds. Wired communication



## FEATURES

- Distributed architecture simplifying installations
- Local and remote cloud-based management and monitoring options
- High channel density options
- Elegant microphone design
- High definition audio
- Open integration interfaces

between the Executive Elite remote antenna receiver and base DSP units is also AES-256 encrypted with automatic key updates. Furthermore, the systems digital audio out using AVB supports industry standard secure communication protocols such as SRTP, making Revolabs Executive Elite the most secure wireless microphone solution available.

Executive Elite microphones include RF Armor™ technology, which enables operation even when in direct proximity to mobile phones, smartphones, or other wireless devices known to cause unwanted audio interference. In addition, Revolabs wireless microphone systems communicate within the 1.9 GHz band, making the equipment immune to interference from TV, radio, and RF traffic. The 1.9 GHz band is reserved solely for digital audio communication and is regulated to ensure that different vendor devices do not interfere with each other. To simplify system setup, the Executive Elite remote antenna receiver and

microphones dynamically negotiate the frequency and channels for the best possible audio transmission. This relieves end-users and AV managers from having to manually reconfigure systems in the event new wireless devices are put in place in the vicinity.

All Revolabs Executive Elite tabletop microphones and TA4 adapters utilize standard AA nickel metal hydride (NiMH) rechargeable batteries. The wearable microphone and XLR adapter use a sealed lithium ion battery. With talk times of 12 hours (8 hours for the wearable) and standby times of up to 72 hours, even the longest meetings and events can be completed with ease. Average charge time for microphones is approximately three hours. For installations that require permanent microphone fixtures with wireless audio, Revolabs offers a Cross-Over™ adapter to transform Executive Elite tabletop microphones into an affixed, permanently powered, wireless audio solution.

## TECHNICAL SPECIFICATIONS

### GENERAL

#### Channels

- 4 or 8 channels per system
- 32 or more microphones (60 channels available), North and South America and Japan, HD audio
- 40 or more microphones (80 channels available), North and South America and Japan, regular audio
- 48 or more microphones (120 channels available), Africa, Asia, Australia, and Europe, HD audio
- 56 or more microphones (160 channels available), Africa, Asia, Australia, and Europe, regular audio

#### Synchronization

- Over-the-air synchronization and three-wire synchronization bus

#### Radio Frequency

- North and South America: 1920 to 1930 MHz
- Japan: 1893.5 – 1906.1 MHz
- Africa, Asia, Australia, and Europe: 1880 to 1900 MHz

#### Range

- 300 feet (90 meters) line-of-sight
- Out-of-range alarms

#### Encryption

- 256-bit key (AES)
- Automatic key update every 60 seconds

#### Bandwidth

- 20 Hz – 14,000 Hz

### BASE DSP UNIT

#### Power Requirements

- 100-240 VAC 50/60 Hz, 15 Watts

#### Display

- Monochrome graphic display; 216 x 64 pixels; 2.8 x 0.8 in (71 mm x 21 mm)

#### Antennas

- External receiver, digital connectivity

### BASE DSP UNIT (continued)

#### Analog Audio Outputs

- Mini Phoenix terminal blocks
- Line level input per channel
- Selectable line/mic level output per channel

#### USB Audio Output

- 8 channels, 32KHz, 16 bit

#### AVB Audio Output

- 8 channels, 32KHz, 16 bit

#### Control Interfaces

- USB, RS232, Ethernet (10/100/1000 Mbps)

#### Dimension

- 1-U rack-mount, 17.25 in x 8 in x 1.75 x 8 in (43.03 cm x 20.32 cm x 4.42 cm)

#### Weight

- 6.5 lb (2.95 kg)

### REMOTE ANTENNA RECEIVER

#### Mount

- Wall mount or ceiling tile mounted

#### Connector

- RJ45

#### Power

- PoE from receiver

#### Dimensions

- 7 in x 7 in x 1.5 in (17.8 cm x 17.8 cm x 3.8 cm)

#### Weight

- 16 oz. (0.45 KG)

### CHARGING TRAY

#### Power

- 24V DC, 1A
- 110-240V, 50 Hz – 60Hz power supply included

#### Dimension

- 8 microphone charger: 7.8 in x 10 in x 1.75 in (19.8 cm x 25.4 cm x 4.4 cm)

#### Weight

- 8 microphone charger: 16 oz. (0.45 KG)



Member of the AVnu Alliance for  
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