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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. Architected to support deployments requiring increased number of microphones, they 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. A standard CAT5e or CAT6 cable supporting Power over Ethernet (PoE) connects the antenna receiver and base DSP unit, enabling simplified distributed or in-room installations. Whether ceiling- or wall-mounted, the remote antenna receiver unit can be placed in the room with the wireless microphones, regardless of 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 optimize usage of the available audio channels. In North America, South America, and Japan, 44 microphones and more can be used in one room or area.

In Europe, Africa, Asia, and Australia, Executive Elite receivers can support 76 or more microphones in one area. The distributed architecture serves to further support deployments requiring significant numbers of microphones for audio and unified communication applications, especially in managed environments.

Executive Elite is easy to integrate, as it supports the AVB standard for digital audio and analog audio inputs and outputs, as well as an open control interface for room control systems.

The Executive Elite system pairs exclusively with the full suite of Revolabs Executive Elite microphones and adapters. The suite includes omnidirectional, directional, gooseneck (6-inch and 12-inch variations), and wearable microphones as well as a TA4 (mini XLR) adapter and XLR adapter. 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 capabilities enabling significantly enhanced audio pickup, improved signal-to-noise ratio, and expanded digital signal communication over the wireless link. Combined 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, 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.

To simplify system integration and system administration tasks, Revolabs Executive Elite provides several local, remote and cloud-based system management interfaces. 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 or the network. The enhanced integration capabilities supporting third-party room control systems enable 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 ensures that private communication stays private by supporting the highest standards in security.

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FEATURES

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

All wireless communication between the microphones and remote antenna receiver units are AES-256 encrypted, with encryption keys automatically updated every few minutes. Wired communication between the Executive Elite remote antenna receiver and base DSP unit is also AES-256 encrypted with automatic key updates.

Executive Elite supports AVB communications, future-proofing and protecting your investment.

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 utilize standard AA nickel metal hydride (NiMH) rechargeable batteries. The XLR adapter, TA4 adapter, and the wearable microphone use a field-replaceable, sealed lithium ion battery. With talk times of 20 hours (8 hours for the wearable microphone, the TA4, and the XLR adapter) 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 six 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. The Cross-Over adapter also provides "ease of mind," as it allows the microphones to be used while being charged.

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
- 44 or more microphones (80 channels available), North and South America and Japan, regular audio
- 56 or more microphones (120 channels available), Africa, Asia, Australia, and Europe, HD audio
- 76 or more microphones (160 channels available), Africa, Asia, Australia, and Europe, regular audio

Synchronization
- Over-the-air (OTA) synchronization
- Three Wire Synchronization bus
- AVB synchronization

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 few minutes

Bandwidth
- 20 Hz – 20,000 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)

Antenna
- 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

AVB Audio Output
- 8 channels, 48KHz, 24 bit

Control Interfaces
- USB, RS232, Ethernet (10/100 Mbps)

Dimension
- 1-U rack-mount, 17.25 in x 10 in x 1.75 x 8 in (43.03 cm x 25.5 cm x 4.42 cm)

Weight
- 6.5 lb (2.95 kg)

REMOTE ANTENNA RECEIVER

Mount
- On wall or ceiling

Connector
- RJ45

Power
- PoE from receiver

Dimensions
- 6.8 in x 6.8 in x 2 in (17.3 cm x 17.3 cm x 5.1 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)
- 4 microphone charger: 7.8 in x 5 in x 1.75 in (19.8 cm x 12.7 cm x 4.4 cm)

Weight
- 8 microphone charger: 16 oz. (0.45 Kg)
- 4 microphone charger: 13.7 oz. (0.39 Kg)

Member of the AVnu Alliance for AVB networking products

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