

ew 300 [Ⓜ] Vocal Set

RF Wireless Systems | evolution wireless G3

System variants and included components:

- ew 335 G3 – (1) SKM 300 G3 handheld transmitter, (1) [Ⓜ]e835 dynamic cardioid capsule, (1) EM 300 G3 rack-mountable receiver, (1) MZQ 1 microphone clip, (1) GA 3 rack-mount kit
- ew 345 G3 – (1) SKM 300 G3 handheld transmitter, (1) [Ⓜ]e845 dynamic super-cardioid capsule, (1) EM 300 G3 rack-mountable receiver, (1) MZQ 1 microphone clip, (1) GA 3 rack-mount kit
- ew 365 G3 – (1) SKM 300 G3 handheld transmitter, (1) [Ⓜ]e865 condenser super-cardioid capsule, (1) EM 300 G3 rack-mount receiver, (1) MZQ 1 microphone clip, (1) GA 3 rack-mount kit

For recommended accessories please visit www.sennheiserusa.com



Features

- Sturdy metal housing
- Automatic frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Wireless microphone with a quick-change microphone head from the [Ⓜ]e800 series
- Large range of replaceable microphone heads from the successful evolution series
- Wireless synchronization of transmitters via infrared interface
- Enhanced frequency bank management with up to 24 compatible frequencies
- Programmable MUTE switch (PTT, PTM)
- Transmitter telemetry to receiver provides capsule info, sensitivity & Tx Type
- 42 MHz bandwidth, 1,680 switchable frequencies
- Increased range for audio sensitivity
- Easy-to-read illuminated dot matrix display with dual color warning indicator
- More control options (menu)
- Enhanced AF frequency range
- Soundcheck mode
- Integrated equalizer
- Contacts for recharging the BA 2015 accupack directly in the transmitter
- (2) AA batteries for over 8 hours of use
- 4-level battery indicator for transmitter
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- High RF output power for large range
- Suitable for 19" rack mounting (1 U)
- Switchable RF output power (10/30 mW)
- Integrated RJ45 for remote control/monitoring via Wireless Systems Manager (WSM)

General Description

This system is ideal for vocal applications. The SKM 300 G3 handheld transmitter as and the EM 300 G3 rack-mountable receiver each features 20 frequency banks with 6 user banks and 24 directly accessible frequency presets. Each system is ready for immediate use.

Technical Specifications

ew 300 [Ⓜ]

Modulation..... wideband FM
 Frequency ranges 516–558, 566–608, 626–668, 734–776, 780–822, 823–865
 Transmission/Receiving frequencies 20 channel banks, 6 user banks, 24 factory preset channels each
 Switching bandwidth..... 42 MHz
 Noise reduction system..... Sennheiser HDX
 AF frequency response 25 – 18,000 Hz
 S/N ratio (at 1 mV and peak deviation) ..≥ 115 dBA
 THD (at nominal deviation and 1 kHz) ≤ 0.9 %

EM 300 [Ⓜ]

Receiver principle..... True Diversity
 Sensitivity (with HDX, peak deviation) <2 μV at 52 dBA_{eff} S/N
 Adjacent channel rejection ≥ 75 dB
 Intermodulation attenuation ≥ 70 dB
 Blocking ≥ 75 dB
 Pilot-tone squelch..... detachable
 Antenna inputs 4 BNC sockets
 AF output voltage (at peak deviation, 1 kHz AF)..... 1/4" (6.3 mm) jack socket, unbalanced: +12 dBu XLR socket, balanced: +18 dBu
 Power supply 12 V DC
 Dimensions 7.95" x 8.35" x 1.69"
 Weight approx. 2.16 lbs

SKM 300 [Ⓜ]

RF output power at 50 Ω typ. 30/10 mW, switchable
 AF frequency response 80 – 18,000 Hz
 Power supply 2 AA batteries, 1.5 V
 Nominal voltage..... 2.4 V
 Operating time typ. 8 h
 Dimensions Ø 1.97" x 10.43"
 Weight approx. 15.87 oz

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Architect and Engineering Specifications

The wireless microphone system shall feature a true-diversity receiver with 42 MHz of available tuning bandwidth with a total of 1,680 frequencies accessible in 25 kHz steps. The wireless microphone receiver must feature one Balanced XLR output with a max. output of +18 dBu, and one unbalanced 1/4" output with a max. output of +12 dBu. The wireless microphone receiver must feature two BNC antenna inputs, one for each receiver module in the true diversity system. The wireless microphone receiver must feature a backlit display that displays AF and RF levels, battery telemetry from the transmitter, operating frequency, and diversity switching information. The wireless microphone receiver must feature an automatic frequency scanning function that utilizes eight banks of pre-coordinated frequencies that are free of intermodulation interference. The wireless microphone receiver must also feature a user bank in order to store user defined frequencies. The wireless microphone transmitter must operate on two 1.5V AA battery cells. The wireless microphone transmitter must have access to 1,680 frequencies tuned in 25 kHz steps across a defined 42 MHz bandwidth. The wireless microphone transmitter must feature a backlit display that displays frequency information, AF level, battery level. The wireless microphone transmitter must transmit a pilot-tone squelch. The wireless microphone transmitter must have a specified RF output power of 30mW. The wireless microphone receiver must accept 12V DC power via BNC antenna inputs.

Limited Product Warranty/Service

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