

# ew 352 <sup>Ⓜ</sup> Head Set

RF Wireless Systems | evolution wireless G3

## General Description

The system is ideal for hands-free vocal and speech applications, such as presentations and lectures. The extremely small SK 300 G3 bodypack transmitter and EM 300 G3 rack-mountable receiver each features 20 frequency banks with 6 user banks and 24 directly accessible frequency presets. The system is ready for immediate use.



## Kit includes:

- EM 300 G3 rack-mountable receiver
- (1) SK 300 G3 bodypack transmitter
- (1) GA 3 rack-mount kit
- (1) ME 3-ew headset microphone

For recommended accessories please visit [www.sennheiserusa.com](http://www.sennheiserusa.com)

## Features

- Sturdy metal housing
- PC-supported frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Bodypack transmitter with programmable MUTE function and optional external activation
- Extremely small clip-on microphone
- Ethernet port for connecting to the Wireless Systems Manager (WSM) software for control via computer – this delivers a good overview of monitoring and professional data management for multi-channel systems
- Programmable MUTE switch
- Wireless synchronization of transmitters via infrared interface
- Enhanced frequency bank with up to 24 switchable frequencies
- 42 MHz bandwidth, 1,680 switchable frequencies
- Increased range for audio sensitivity
- Large, illuminated dot matrix display with dual color warning indicator
- More control options (menu)
- Enhanced AF frequency range
- Soundcheck mode
- Integrated equalizer
- Switchable RF output power (10/30 mW)
- (2) AA batteries for over 8 hours of use
- 4-level battery indicator for transmitter
- Contacts for recharging the BA 2015 accupack directly in the transmitter
- HDX compander for crystal-clear sound
- True diversity receiver for optimum reception
- Includes installation kit for 19" rack mounting
- Optional RMS 1 (Remote Mute Switch)

## Technical Specifications

### ew 300 <sup>Ⓜ</sup>

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 <sup>Ⓜ</sup>

Receiver principle..... True Diversity  
 Sensitivity (with HDX, peak deviation) ..... <2 µV at 52 dBA<sub>eff</sub> 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

### SK 300 <sup>Ⓜ</sup>

RF output power at 50 Ω ..... typ. 30/10 mW, ..... switchable  
 AF frequency response ..... 25 – 18,000 Hz (Line) ..... 80 – 18,000 Hz (Mic)  
 Max input voltage transmitter / line..... 3 V<sub>eff</sub>  
 Input impedance transmitter / line ..... 40 kΩ, ..... unbalanced / 1MΩ  
 Power supply ..... 2 AA batteries, 1.5 V  
 Nominal voltage..... 2.4 V  
 Operating time ..... typ. 8 h  
 Dimensions ..... 3.23" x 2.52" x 0.94"  
 Weight ..... approx. 5.64 oz

### ME 3-ew

Transducer principle..... condenser  
 Sensitivity ..... 1.6 mV/Pa  
 Pick-up pattern ..... cardioid  
 Max. SPL ..... 150 dB SPL

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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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