

Head Set [Ⓢ] 100 Series

RF Wireless Systems | evolution wireless [Ⓢ]

General Description

Regardless of whether singer, dancer or fitness trainer – those who want to move across the entire stage while keeping their hands free during a performance will love the [Ⓢ] headset. On the one hand, the condenser headset microphone is ultra-light – so light, in fact, that you will forget you’re wearing it during the show. And on the other, it supplies a powerful sound, making it able to reach the very last row in crystal-clear quality.



Features

- Sturdy metal housing
- Automatic frequency management for transmitter and receiver
- Tunable UHF frequencies within a large switching bandwidth
- Programmable MUTE switch
- Headset microphone with optimized acoustics

- New: Wireless synchronization of transmitters via infrared interface
- New: Enhanced frequency bank management with up to 12 compatible frequencies per bank
- New: 42 MHz bandwidth → 1680 switchable frequencies
- New: Increased range for audio sensitivity
- New: Easy-to-read illuminated dot matrix display
- New: 4-level charge indicator for transmitter battery
- New: More control options (menu)
- New: Enhanced AF frequency range
- New: Soundcheck mode
- New: Integrated equalizer
- New: Contacts for recharging the BA 2015 accupack directly in the transmitter
- 2 AA batteries for more than 8 hours of use
- 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)
- Delivery includes: EM 100 [Ⓢ] rack-mount receiver
SK 100 [Ⓢ] bodypack transmitter
ME 3-ew headset microphone

Technical Data

ew 100 [Ⓢ]

Modulation.....wideband FM
 Frequency ranges 516–558, 566–608, 626–668,
 734–776, 780–822, 823–865
 Transmission/Receiving
 frequencies 20 channel banks, 1 fixed bank,
 12 factory preset channels each
 Switching bandwidth.....42 MHz
 Noise reduction system.....Sennheiser HDX
 AF frequency response25 – 18,000 Hz
 S/N ratio (at 1mV and peak deviation) ≥ 110 dBA
 THD (at nominal deviation and 1 kHz) ≤ 0.9 %

EM 100 [Ⓢ]

Receiver principle.....True Diversity
 Sensitivity
 (with HDX, peak deviation) <2.5 μV at 52 dBA_{eff} S/N
 Adjacent channel rejection ≥ 65 dB
 Intermodulation attenuation ≥ 65 dB
 Blocking ≥ 70 dB
 Pilot-tone squelch.....detachable
 Antenna inputs2 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 supply12 V DC
 Dimensions190 x 212 x 43 mm
 (7.48" x 8.35" x 1.69")
 Weight approx. 900 g (1.99 lbs)

SK 100 [Ⓢ]

RF output power at 50 Ω typ. 30 mW
 AF frequency response 25 – 18,000 Hz (Line)
 80 – 18,000 Hz (Mic)
 Max input voltage transmitter / line 3 V_{eff}
 Input impedance transmitter / line 40 kΩ,
 unbalanced / 1MΩ
 Power supply..... 2 AA batteries, 1.5 V
 Nominal voltage2.4 V
 Operating timetyp. 8 h
 Dimensions 82 x 64 x 24 mm
 (3.23" x 2.52" x 0.94")
 Weightapprox. 160 g (5.64 oz)

ME 3-ew

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