

evolution wireless @ 300 IEM Series

RF Wireless Systems | evolution wireless

General Description

The heart of the evolution wireless g monitoring system is the SR 300 IEM g rack-mount transmitter, which transmits the monitoring signals to the extremely compact EK 300 IEM g bodypack receiver. Designed for rugged live work, the receiver is easy to use and protected against accidental operation. The artist or the sound engineer listens via stereo earphones with skin-friendly ear-moulds. Transmitter and receiver have nine frequency banks with up to 12 directly accessible presets each – ready for immediate use.

The receiver is fitted with a special Focus mode, i. e. it can be switched from stereo reception to double mono, with one channel reserved for the mix and the other one for your own voice/instrument. The level of each channel is set by the balance control. The receiver also features a switchable audio limiter which keeps the monitoring sound at a safe level.



Optional Accessories

- CC2 carrying case for a complete ew 300 IEM g system Cat. No. 009826
- BA 2015 accupack for EK 300 IEM g Cat. No. 009950
- L 2015 charger for BA 2015 accupack Cat. No. 009828
- GA 2 19" rack adaptor Cat. No. 009823
- AM 2 antenna mount Cat. No. 009912
- A 1031-U passive omni-directional antenna Cat. No. 004645
- A 2003-UHF passive directional antenna Cat. No. 003658
- AC 2 antenna combiner Cat. No. 009822
- NT 3 plug-in mains unit for A 2 Cat. No. 004863
- NT 3 Cat. No. 004864
- NT 3-120 Cat. No. 004865
- NT 3-UK

Technical Data

System

Frequency ranges 518–554, 626–662, 740–776,
786–822, 830–866 MHz
Transmission/receiving frequencies 1,440
Compatible frequencies per frequency bank up to 12
Compannder HDX
AF frequency response 40–15,000 Hz
Signal-to-noise ratio 91 dB
Pilot tone squelch 19 kHz, stereo MPX
(can be switched off)

Receiver

Scan function receiver scans one frequency bank
Adjacent channel rejection > 70 dB
Intermodulation attenuation > 70 dB
Sensitivity (with HDX,
at peak deviation) < 2.5 μ V at 52 dBA_{rms} S/N
EQ preset Hi Boost (+6 dB @ 10 kHz)
Dimensions 82 x 64 x 24 mm
Operating time 6–10 hrs, depending on volume
Weight approx. 170 g

Transmitter

RF output power (50 Ω) max. 30 mW
Max. input voltage
(unbalanced, peak deviation) approx. 2.4 V_{rms}
Dimensions 212 x 145 x 38 mm
Weight approx. 1,100 g

evolution wireless [®] 300 IEM Series

RF Wireless Systems | evolution wireless

System overview 300 IEM g

Ready-to-use wireless monitoring system; additional bodypack receivers with earphones are available separately.

- ew 300 IEM g

Wireless monitoring system, includes rack-mount transmitter, bodypack receiver and earphones

- EK 300 IEM g

Bodypack receiver with earphones