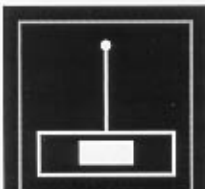


Freedom to Perform: Wireless Monitoring for Stage and Broadcast

High-quality monitoring without the need for wedges and cables: evolution wireless™ IEM will transmit precise monitoring while giving you greater on-stage freedom, custom volume levels and high-quality sound without feedback.



The evolution wireless IEM system consists of three main components. At the heart of the system is the SR 300 IEM rack-mount transmitter which sends the stage sound to the artists and, if required, the sound engineer.



The rugged EK 300 IEM bodypack receiver has been especially designed for rough stage use. Modern controls, adapted to live stage work, ensure a straightforward, intuitive operation.



Ear molds are included to round off the IEM system.

evolution wireless IEM adds high-quality wireless monitoring to your stage performance. For easy and quick system configuration, the ready-to-use system features 8 preset frequencies, saving you much time when operating several channels simultaneously. For multi-channel operation of more than three monitoring links, Sennheiser offers the AC 1 antenna combiner.

Another brilliant feature of evolution wireless IEM is its FOCUS function, enabling artists to select their very own balance between their voice/instrument and the band.

When transmitting such a custom mix, the usual stereo signal is changed to a dual mono signal. The receiver is also fitted with a special safety mode which restricts the sound level. If higher volume levels should be required, the safety mode can be switched off by the user.

Whether used for permanently installed audio systems or for the touring artist: evolution wireless IEM creates a perfect, customized monitoring sound – always.

IEM

IN EAR MONITOR

evolution wireless Features

- Preconfigured, ready-to-use systems for every application and every requirement
- Enormous flexibility: 1,280 switchable UHF frequencies
- High output power for long transmission range
- Transmitters and receivers with rugged metal housings
- User-friendly menu control with LC display
- HDX compander for crystal-clear sound
- Low battery consumption allows longer performances
- Stationary receiver and transmitter models designed for 19" standard racks
- Low-battery warning
- Wireless microphones and in-ear systems fully compatible
- Comprehensive range of accessories to adapt the systems to any application
- Suitable for multi-channel operation

IEM Features

- Great ease of use thanks to eight switchable preset frequencies
- Choice of stereo or dual mono transmission
- Focus function for individual channel mixing on the receiver
- Safety mode protects against level peaks
- Stereo in-ear phones with ear molds
- Headphone monitoring output on the transmitter

evolutionwireless

ew 300 IEM System

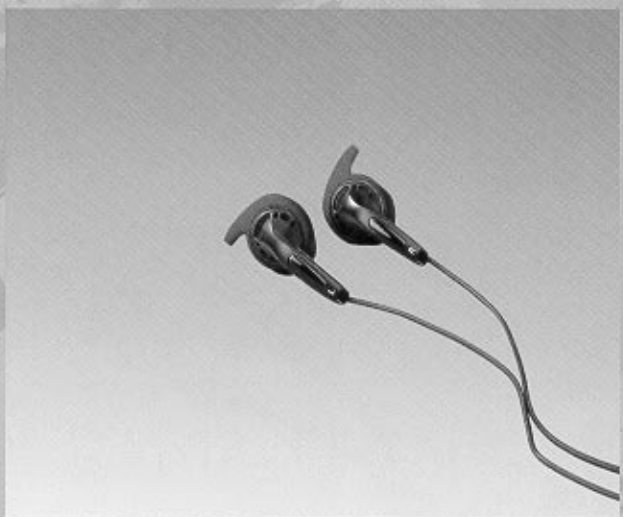
SR 300 IEM
Rack-mount
transmitter



EK 300 IEM
Bodypack receiver



IE 1
Stereo in-ear phones



Accessories



CC1 – Hard-shell case for
your evolution wireless set



AC1 – Antenna combiner
with centralized power
supply for transmitters



AM1 – Front antenna
mount



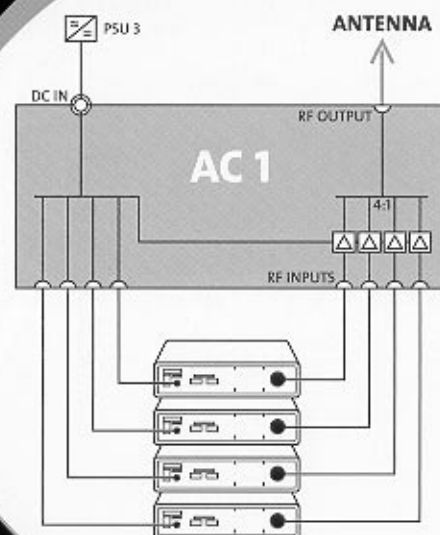
GA1 – 19" rack adapter
for 2 SR 300 transmitters
or 1 SR 300 transmitter
with AC1 and AM1



Application examples of
the GA1 rack adapter and
AM1 antenna mount



Below: Circuit diagram of
the AC1 antenna combiner
with an A1031 antenna
and four rack-mount
transmitters



ew IEM System

Modulation	wideband FM, MPX stereo
Frequency ranges	518-550, 630-662, 740-772, 790-822, 838-870 MHz
Switchable frequencies	1,280
Frequency presets	8
Switching bandwidth	32 MHz
Peak deviation	± 48 kHz (pilot tone dev. ± 5 kHz)
Componder system	Sennheiser HDX
AF frequency response	50-15,000 Hz
Signal-to-noise ratio	> 100 dB (A)
THD (1 kHz)	< 0.9 %
In compliance with	ETS 300 422, ETS 300 445, CE, FCC
System case	Dimensions: 380 x 370 x 70 mm Weight: approx. 3 kg

EK 300 IEM Stereo Bodypack Receiver

Headphone output	1/8" jack socket (> 100 mW at 32 Ω)
Power supply	9 V alkaline-manganese
Operating time	$> 4 - 6$ h
Dimensions	110 x 65 x 22 mm
Weight	approx. 255 g

SR 300 IEM Transmitter

RF output power	typ. 20 mW
Max. input voltage	balanced: ± 10 dBu
Input voltage adjustable between	0 - 15 dB
Headphone output	1/4" stereo jack socket
Power supply	10.5 - 16 V DC
Dimensions	212 x 145 x 38 mm
Weight	approx. 1,100 g