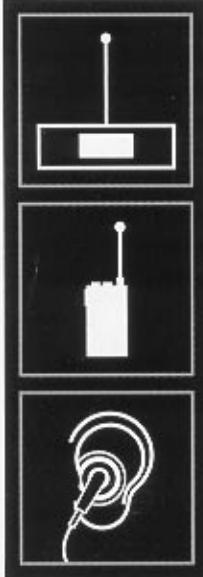


# Freedom to Perform: Wireless Monitoring for Stage and Broadcast

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.

## 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

# IEM IN EAR MONITOR

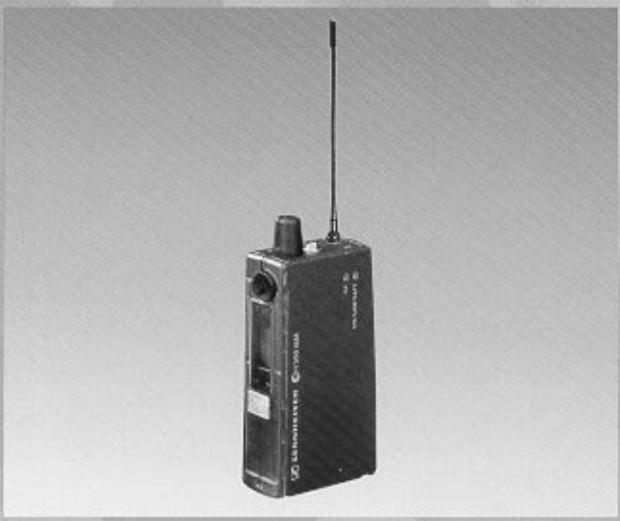
# evolution wireless

## ew 300 IEM System

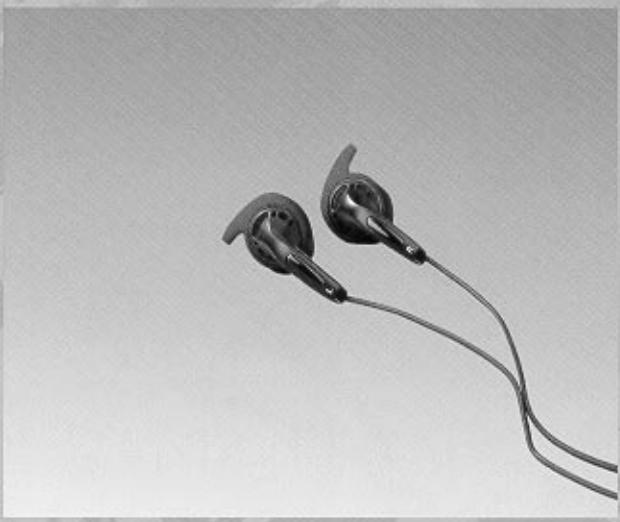
SR 300 IEM  
Rack-mount  
transmitter



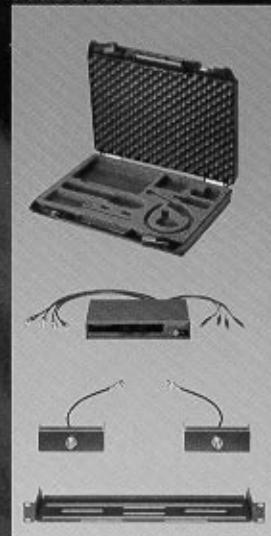
EK 300 IEM  
Bodypack receiver



IE 1  
Stereo in-ear phones



## Accessories

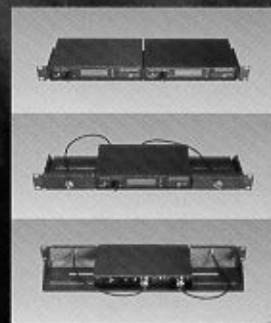


CC1 – Hard-shell case for your evolution wireless set

AC1 – Antenna combiner with centralized power supply for transmitters

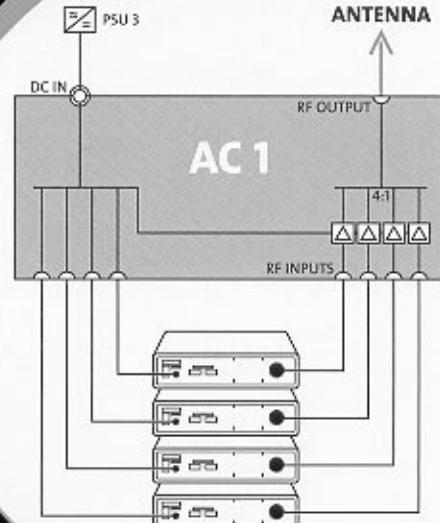
AM1 – Front antenna mount

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

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

## EK 300 IEM Stereo Bodypack Receiver

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

## SR 300 IEM Transmitter

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