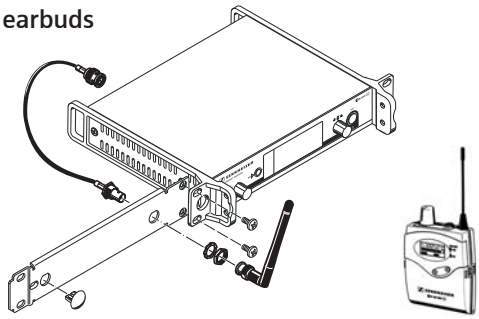
300 Series G3 Wireless Monitor System

- Wider audio frequency response (25-15,000 Hz) provides artists with an even more precise and life-like monitor signal
- Adaptive Diversity reception allows the earphone cable to function as a second antenna; this prevents dropouts for even more reliable RF reception
- Switchable multi-channel limiter protects artists' hearing from excessive volumes and volume peaks
- Hi Boost function emphasizes the treble range of the earphones when extra clarity is required

Single Channel Wireless Monitor System

(1 ew300IEMG3 system, for a single stage mix.
NOTE: additional EK300 receivers may be added as needed to monitor the same mix.)

Qty	Model	Description
1	ew300IEMG3	Wireless monitor system with rack mountable transmitter, GA3 rack mount kit, bodypack receiver and IE4 earbuds

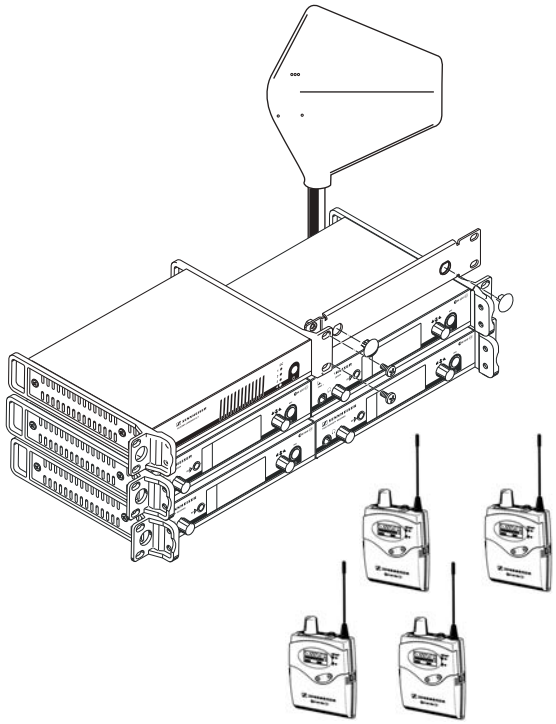


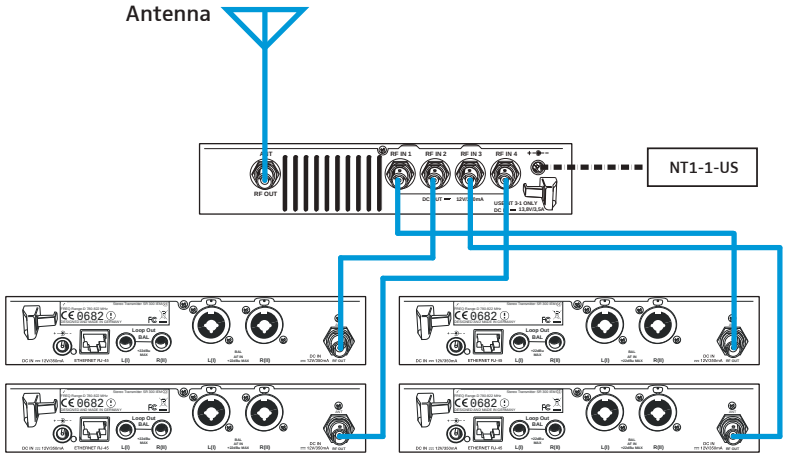
Four Channel Wireless Monitor System

(4 ew300IEMG3 systems)

Qty	Model	Description
4	ew300IEMG3	Wireless monitor system with rack mountable transmitter, GA3 rack mount kit, bodypack receiver and IE4 earbuds
1	G3IEMDirKit4	Active combiner kit for four IEM transmitters with DC power distribution, includes AC3/NT, GA3, A2003-UHF

Note: Various Lengths of RF cable available for antenna run (sold separately)





Pro Tip:
The AC3 has four (4) status LEDs on the front panel to indicate that power is being distributed to the connected SR300G3. Connect the included BNC cables as shown above to quickly diagnosis any potential power issues with your equipment and immediately identify the problematic rack position.

Specifications

System

Modulation	wideband FM stereo (MPX pilot tone)
Frequency ranges	516–558, 566–608, 626–668, 734–776, 780–822, 823–865 MHz (A to E, G, see page 4)
Transmission/receiving frequencies	1680 frequencies, tuneable in steps of 25 kHz
	20 frequency banks, each with up to 16 factory-preset channels
	6 frequency banks with up to 16 user programmable channels
Switching bandwidth	42 MHz
Frequency stability	±10 ppm (–10°C to +55°C)
Compander system	Sennheiser HDX
Nominal/peak deviation	±24 kHz/±48 kHz
MPX pilot tone (frequency/deviation)	19 kHz/±5 kHz
AF frequency response	25 Hz to 15 kHz
THD (at 1 kHz and nominal deviation)	< 0.9%
Signal-to-noise ratio at nominal load and peak deviation	> 90 dB
Temperature range	–10°C to +55°C

SR 300 IEM G3 transmitter

Antenna output	BNC socket, 50 Ω with remote power supply input 12 V DC
RF output power at 50 Ω	typ. 10/30 mW (Low/Standard), switchable
AF input BAL AF IN L (I)/BAL AF IN R (II)	2 x XLR-3/¼'' (6.3 mm) jack combo socket, electronically balanced
Max. input level	+22 dBu (line)
AF output LOOP OUT BAL L(I)/LOOP OUT BAL R(II)	¼'' (6.3 mm) stereo jack socket, balanced
Headphone output	¼'' (6.3 mm) stereo jack socket
Power supply	12 V ⎓
Current consumption	max. 350 mA
Dimensions	approx. 202 mm x 212 mm x 43 mm
Weight	approx. 980 g

EK 300 IEM G3 diversity receiver

Receiver principle	adaptive diversity
Sensitivity (with HDX, peak deviation)	< 1.6 µV for 52 $dBA_{rms\ S/N}$
Adjacent channel rejection	typ. ≥ 65 dB
Intermodulation attenuation	typ. ≥ 70 dB
Blocking	≥ 80 dB
Squelch	Off, 5 to 25 dBµV, adjustable in steps of 2 dB
Pilot tone squelch	can be switched off
S/N ratio (1 mV, peak deviation)	approx. 90 dB
Max. output power	2 x 100 mW at 32 Ω
High Boost	+8 dB at 10 kHz
Limiter	–18 dB to –6 dB, adjustable in steps of 6 dB, can be switched off
Power supply	2 AA size batteries, 1.5 V or BA 2015 accupack
Nominal voltage	2.4 V ⎓
Power consumption:	
• at nominal voltage	approx. 140 mA
• with switched-off receiver	≤ 25 µA
Operating time	approx. 4 to 6 hrs (depending on volume level)
Dimensions	approx. 82 x 64 x 24 mm
Weight (incl. batteries)	approx. 200 g