

Differentiation of evolution wireless G2 series

	EW100 G2	EW300 G2	EW500 G2	EM550 G2	EW300-IEM G2
Numbers of compatible frequencies per bank	4	8	up to 20	up to 20	up to 12
Delivery content (Details shown on separate table)	Sets (like ew 1)	Sets incl. 19"-Rack adapter GA2	Single components incl. accessories as Antennae, power supply, Rack adapter, etc.	Twin receiver incl. 19"-Rack adapter	Sets with 19"-Rack adapter and single receiver
Displays of EM, SR	Standard LCD-segment Display	Graphic display (contrast adjustable), thus extremely simple Menu operation. 2-coloured backlight (green=Audio at receiver output, red=MUTE (transmitter muted, receiver muted), PEAK (too high sensitivity of transmitter), LOW BAT (transmitter battery low) illuminated buttons (On-button also illuminated when unit is switched off)			
Battery status indication	4 status signals at transmitter, Low Bat on receiver	4 status signals on transmitter and receiver			-
Recharge contacts	None	on SKs and EKs			
Max. AF-output level	EM: +18 dBu EK: +12 dBu	+18 dBu Adjustable in 6dB-steps		+18 dBu Adjustable in 2dB-steps (transformer-balanced)	2x 100mW (32Ohm)
AF-output power	Adjustable in 6dB-steps				
Scan-function	Receiver scans one channel bank	Receiver scans all channel banks	EM scans all, EK scans one channel bank	Receiver scans all channel banks	Receiver scans one channel bank
Further features		Improved AF- and RF-performance	Like ew 300 G2, additionally: Soundcheck-Mode, EM: 4 Equalizer-Presets (flat, Low-Cut, HiBoost, Low-Cut & HiBoost) EM and EK: separately adjustable headphone level SKP with P48 Outstanding Audio quality and RF-performance		Switchable HiBoost, New Limiter function Extremely insensitive to interferences

Technical Data

System	EW100 G2	EW300 G2	EW500 G2	EM550 G2	EW300-IEMG2
Frequency ranges	518 - 554, 626 - 662, 740 - 776, 786 - 822, 830 - 866 MHz				
Nos. of switchable frequencies	1440	1440	1440	1440	1440
Compander system	HDX HDX	HDX	HDX	HDX	HDX
AF-frequency range	40 - 18,000 Hz	40 - 18,000 Hz	40 - 18,000 Hz	40 - 18,000 Hz	40 - 15,000 Hz
Pilot tone (frequency)	32,768 kHz, defeatable				19 kHz Stereo-MPX, defeatable
Signal / Noise ratio	> 110 dB	> 112 dB	> 115 dB	> 115 dB	91 dB
Receiver					
Receiver principle	EM: True Diversity, EK: Non-Diversity				
Sensitivity (with HDX, peak deviation, 52 dB_Aeff S/N)	< 2.5 µV			typ. 1.5 µV	< 2.5 µV
Rejection of adjacent channels	> 65 dB	> 68 dB	> 70 dB	> 70 dB	> 70 dB
Intermodulation attenuation	> 65 dB	> 68 dB	> 70 dB	> 70 dB	> 70 dB
Blocking	> 70 dB	> 72 dB	> 80 dB	> 80 dB	> 80 dB
Squelch	OFF				
	Low	5 dBµV			
	Mid	15 dBµV			
	Hi	25 dBµV			
EQ-Presets	Flat	-	-	40-18.000 Hz -3 dB @ 200 Hz +6 dB @ 10 kHz -3dB @ 200Hz/ +6dB@ 10k	- - +6 dB @10 kHz -
	Low Cut				
	Hi Boost				
	Low Cut & Hi Boost				
AF-output level (peak deviation, 1kHz)	XLR: Bal.: -24 to +18 dBu Jack: Unbal.: -30 to +12 dBu (Adjustable in 6 dB-steps)			XLR: trans-former bal. -22 to +18 dBu (Adjustable in 2dB-steps)	-
Power supply	EM: 10.5-16V DC, 12 V nom. EK: 2.4V DC			90-264V AC	10,5-16V DC 2.4V DC nom.
Booster supply	None (only via antenna splitter ASP 2)			2x 11V DC	-
Current consumption / Power consumption	EM: approx. 200 mA EK: approx. 130 mA			approx. 40 VA	approx. 190 mA (2x 30mW)
Operation time (batteries / accupackl)	EK: > 8h	-	EK: > 8h	-	EK: 6 - 10 h Depends on volume
Dimensions (mm)	EM: 212x145x38 EK: 82x64x24			436x215x43	82x64x24
Weight	EM: approx. 1100 g EK: approx. 158 g			approx. 3500g	approx. 170 g
Transmitter					
RF-output power (50 Ohm)	typ. 30 mW			-	max. 30 mW
Max. AF input level (unbal., peak deviation)	Mic: 1.8 V eff. Line: approx. 2,4 Veff			-	approx. 2.4 V eff.
Max. SPL (microphone heads)	approx. 154 dB				
AF input impedance	Mic: 10 kOhm Line: 1 MOhm			-	
Power supply	2.4 V DC			-	12 V DC nom.
Current consumption (ON / Stand-by)	< 170 mA < 250 µA			-	-
Operation time (batteries / accus)	> 8h			-	-
Dimensions (mm)	SK: 82x64x24 SKM: d=50 x 225 SKP: 105x43x43			-	212x145x38
Weight (incl. batteries)	SK: approx. 158 g SKM: approx. 450 g SKP: approx. 195 g			-	approx. 1100 g