

G2 500 Series

evolutionwireless 



When Sennheiser evolutionized the world of performance wireless microphones with our original evolution series, we introduced startling new technology and innovative design. Now, we are again pushing the limits of performance, audio quality, ruggedness and ease of use. We've redesigned the evolution series from the inside out for G2. With features such as much smaller body packs, larger backlit LCD displays, AutoScan® function on all receivers, 36Mhz switching bandwidth, and the most intuitive user interfaces available, evolution G2 is the most advanced, best sounding, easy-to-use, road-worthy wireless microphone system available today.

Evolution Wireless G2 500 Series


These state-of-the-art components are the top of the evolution wireless line. The 500 Series is perfect for a wide variety of wireless applications, offering the ultimate in performance for concert sound, theater, and more. With up to 20 switchable presets (reprogrammable to any of the 1440 available frequencies), assignable alphanumeric names for each of the presets, headphone output on the receiver (for monitoring), variable-level balanced XLR and unbalanced TS 1/4" connectors, and extensive metering including battery telephony, it is as professional as you can get—and an incredible value. It even features an innovative Soundcheck mode, which allows an artist or engineer to perform his or her own on-stage level and RF check.




Accessories


Carrying case for complete systems	CC 2-EW	Cat. No. 09826
Microphone clamp for SKM	MZQ 1	Cat. No. 76670
Windshield for SKM	MZW 1	Cat. No. 04839
Line input cable for SK 500	CL 2	Cat. No. 04840
Guitar cable for SK500 G2	CI 1	Cat. No. 79901
Antenna boosters		
518-554 MHz	AB2-A	Cat. No. 09817
626-662 MHz	AB2-B	Cat. No. 9818
740-776 MHz	AB2-C	Cat. No. 09819
786-822 MHz	AB2-D	Cat. No. 09820
830-866 MHz	AB2-E	Cat. No. 09821
Antenna splitter	ASP2	Cat. No. 09824
Antenna mount	AM2	Cat. No. 09912
19" rack adaptor	GA2	Cat. No. 09823
Camera mount adaptor	CA2	Cat. No. 09986


System Overview G2 500


+ SKM500 G2 hand-held transmitter	SKM 535 G2	
+ Cardioid dynamic capsule		


+ SKM500 G2 hand-held transmitter	SKM 545 G2	
+ Super-cardioid dynamic capsule		

+ SKM500 G2 hand-held transmitter	SKM 565 G2	
+ Super-cardioid condenser capsule		

+ SK500 G2 bodypack transmitter	SK 500 G2	
+ RF and audio output metering		
+ Battery indicator		

+ EK500 portable receiver	EK 500 G2	
+ AutoScan®		
+ Signal strength and audio metering		

+ Half-rack receiver	EM 500 G2	
+ AutoScan®		
+ Delivered with rack-mounting kit		
+ Headphone output on front panel		

+ Dual rack mount receiver	EM 550 G2	
+ AutoScan®		
+ Active intergrated antenna splitter		
+ Transformer balanced XLR output		
+ Reinforced metal frame		

G2 500 Series

System

Technical Data	
Modulation	wideband FM
Frequency ranges	A: 518-554, B: 626-662, C: 740-776, D: 786-822 E: 830-866 MHz
Tuneable frequencies	1440
Frequency presets	20
Switching bandwidth	36 MHz
Peak deviation	+/- 48 kHz
Compander system	HDX
AF frequency response	40 - 18,000 Hz
Signal-to-noise ratio	>115 dB (A)
THD (1kDz)	<0.9%
Dimensions system case	15 1/2" x 15" x 2 3/4"
Weight system case	approx. 6.6 lbs
In compliance with	ETS 300422, ETS 300445, CE, FCC

Transmitters

Technical Data	SKM 500	SK 500	SKP 500
Transmitter type	hand-held transmitter	pocket transmitter	plug-on transmitter
RF output power	typ. 30 mW	typ. 30 mW	typ. 30 mW
Power supply	2 AA Batteries	2 AA Batteries	2 AA Batteries
Operating time	> 8 hours	> 8 hours	> 8 hours (with P 48 > 5 hours)
Max. input voltage	-	mic 1.8 Vrms, line 2.4 Vrms 2.9 Vrms	
Phantom powering	-	-	yes, 48 V
Dimensions	Ø 2", l = 9 1/4"	3 3/8" x 2 5/8" x 1"	4 1/4" x 1 3/4" x 1 3/4"
Weight	approx. 1 lb	approx. 5.5 oz	approx. 7 oz

Microphones for SK 500 pocket transmitter

Technical Data	ME 2	ME 4	ME 3 headworn mic	MKE2-EW Gold
Transducer	electret condenser	electret condenser	electret condenser	electret condenser
Sensitivity	20 mV/Pa	40 mV/Pa	1.6 mV/Pa	5 mV/Pa
mAX. spl	130 dB	120 dB	150 dB	150 dB
Pick-up pattern	omni	cardioid	super-cardioid	omni

Microphone heads for SKM 500 hand-held transmitter

Technical Data	MD 835	MD 845	ME 865	MMD 935
Transducer	dynamic	dynamic	electret condenser	dynamic
Sensitivity	1.5 mV/Pa	1 mV/Pa	3 mV/Pa	2 mV/Pa
Max. SPL	150 dB	154 dB	144 dB	154 dB
Pick-up pattern	cardioid	super-cardioid	super-cardioid	cardioid

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Receiver

Technical Data	EM 500	EK 500
Receiver type	rack mount receiver	portable receiver
Receiver principle	true diversity	non-diversity
Antennas inputs	2 BNC sockets, 50 Ω	M3
AF output level	XLR-3F and 1/4" (6.3 mm) jack sockets	3 1/2mm jack socket
Max. output level	balanced: + 10 dBu unbalanced: + 4 dBu	unbalanced: + 10 dBu
Headphone output	1/4" (6.3mm) jack socket, stereo	3 1/5"mm jack socket (>100mW at 32 Ω)
Level adjustment	40 dB	40 dB
Power supply	10.5-16 V DC via plug-in mains unit	2 AA Batteries
Operating time	-	>6 - 8 hours
Dimensions	8 5/8" x 6" x 1 1/2"	3 3/8" x 2 5/8" x 1"
Weight	approx. 2.4 lbs	approx. 5.5 oz