

## System Overview and Technical Data

### evolution wireless G2 500 Series

Set up tailor-made RF wireless systems from these components:

- **SK 500 G2:** Bodypack transmitter
- **SKM 535 G2:** Handheld transmitter (cardioid, dynamic)
- **SKM 545 G2:** Handheld transmitter (super-cardioid, dynamic)
- **SKM 565 G2:** Handheld transmitter (super-cardioid, condenser)
- **SKP 500 G2:** Plug-on transmitter (with phantom powering)
- **EM 500 G2:** Rack-mount receiver
- **EK 500 G2:** Portable receiver

<i>System</i>	
Frequency ranges	518–554, 626–662, 740–776, 786–822, 830–866 MHz
Transmission/receiving frequencies	1,440
Compatible frequencies per frequency bank	up to 20
Compander	HDX
Signal-to-noise ratio	115 dB
Audio frequency response	40 – 18,000 Hz
Pilot tone squelch	32.768 kHz (can be switched off)
<i>Receiver</i>	
Scan function	rack-mount receiver scans all frequency banks, portable receiver scans one frequency bank
Adjacent channel rejection	> 70 dB
Intermodulation distortion	> 70 dB
Sensitivity (with HDX, at peak deviation, 52 dBA <sub>rms</sub> S/N)	< 2.5 µV
EQ presets	Flat (40–18,000 Hz) Low Cut (–3 dB @ 200 Hz) Hi Boost (+6 dB @ 10 kHz) Low Cut & Hi Boost
Max. AF output voltage	XLR, bal.: –24 to +18 dBu jack, unbal.: –30 to +12 dBu (adjustable in steps of 6 dB)
Dimensions	rack-mount: 212 x 145 x 38 mm portable: 82 x 64 x 24 mm
Operating time of portable receiver (batteries/rechargeable batteries)	>8 hrs

Weight portable receiver	approx. 158 g
<i>Transmitter</i>	
RF output power (50 $\Omega$ )	typ. 30 mW
Max. input voltage (unbalanced, peak deviation)	mic: 1.8 V <sub>rms</sub> line: approx. 2.4 V <sub>rms</sub>
Max. SPL microphone head	approx. 154 dB
Input impedance	mic: 10 k $\Omega$ line: 1 M $\Omega$
Operating time (batteries/rechargeable batteries)	> 8hrs
Dimensions	bodypack: 82 x 64 x 24 mm handheld: $\varnothing$ 50 x 225 mm plug-on: 105 x 43 x 43 mm
Weight (incl. batteries)	bodypack: approx. 158 g handheld: approx. 450 g plug-on: approx. 195 g