

System Overview and Technical Data

evolution wireless 100 Series G2

Ready-to-use systems for vocals, instrument, headset, presentation and camera (ENG) applications:

- **ew 112 G2:** Presentation Set, includes bodypack transmitter, clip-on mic (omni) and rack-mount receiver
- **ew 122 G2:** Presentation Set, includes bodypack transmitter, clip-on mic (cardioid) and rack-mount receiver
- **ew 152 G2:** HeadSet, includes headset microphone (super-cardioid), bodypack transmitter and rack-mount receiver
- **ew 172 G2:** Instrument Set, includes bodypack/instrument transmitter, guitar cable and rack-mount receiver
- **ew 135 G2:** Vocal Set, includes handheld transmitter (cardioid, dynamic) and rack-mount receiver
- **ew 145 G2:** Vocal Set, includes handheld transmitter (super-cardioid, dynamic) and rack-mount receiver
- **ew 165 G2:** Vocal Set, includes handheld transmitter (super-cardioid, condenser) and rack-mount receiver
- **ew 112-p G2:** Camera Set, includes portable receiver, bodypack transmitter and clip-on microphone (omni)
- **ew 122-p G2:** Camera Set, includes portable receiver, bodypack transmitter and clip-on microphone (cardioid)
- **ew 135-p G2:** Camera Set, includes portable receiver and handheld transmitter (cardioid, dynamic)
- **ew 100-ENG G2:** Camera Set, includes portable receiver, bodypack transmitter with clip-on microphone (omni) and plug-on transmitter for wired dynamic microphones

<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	4
Compannder	HDX
Signal-to-noise ratio	110 dB
Audio frequency response	40 – 18,000 Hz
Pilot tone squelch	32.768 kHz (can be switched off)
<i>Receiver</i>	
Scan function	receivers scan one frequency bank
Adjacent channel rejection	> 65 dB
Intermodulation attenuation	> 65 dB
Sensitivity (with HDX, at peak deviation, 52 dBA _{eff} S/N)	< 2.5 μ V
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 portable receiver (batteries/rechargeable batteries)	>8 hrs
Weight portable receiver	approx. 158 g
<i>Transmitter</i>	
RF output power (50 Ω)	typ. 30 mW
Max. input voltage (unbalanced, peak deviation)	mic: 1.8 V _{rms} line: approx. 2.4 V _{rms}
Max. SPL of microphone head	approx. 154 dB
Input impedance	mic: 10 k Ω line: 1 M Ω
Operating time (batteries/rechargeable batteries)	> 8 hrs
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