












evolution wireless 100 Series

RF Wireless Systems | evolution wireless

General Description

Every system of the ew 100  series is available with either the EM 100  rack-mount receiver or the EK 100  portable receiver. The EM 100  true diversity receiver is at the heart of the 100  series systems. The EK 100  portable receiver is the ideal choice for camcorder use. The SKM 100  hand-held transmitter is available with a choice of three different microphone heads. The SKP 100  plug-on transmitter converts any wired microphone into a radiomicrophone and the SK 100  bodypack transmitter is the perfect companion for the ME 2 or ME 4 clip-on microphones, the ME 3 headmic or guitar cables. Transmitters and receivers of the 100  series have nine frequency banks with 4 presets each for direct channel selection. The receivers feature a scan function that automatically scans the selected frequency bank for free frequencies. Transmitters and receivers have large backlit displays with peak-hold display. The EM 100 's audio outputs are available both as balanced XLR and 1/4" sockets.



Technical Data

System

Frequency ranges 518–554, 626–662, 740–776,
786–822, 830–866 MHz
Transmission/receiving frequencies 1,440
Compatible frequencies per frequency bank 4
Compander HDX
Signal-to-noise ratio 110 dB
Audio frequency response 40–18,000 Hz
Pilot tone squelch can be switched off











Receiver

Scan function receivers scan one frequency bank
Adjacent channel rejection > 65 dB
Intermodulation attenuation > 65 dB
Sensitivity (with HDX, at peak deviation, 52 dBA_{rms} S/N) < 2.5 μ V
Max. AF output voltage XLR, bal.: –24 to +18 dBu
6.3 mm 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 > 8 hrs
Weight of portable receiver approx. 158 g

Transmitter

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 > 8 hrs
Dimensions bodypack: 82 x 64 x 24 mm
hand-held: \varnothing 50 x 225 mm
plug-on: 105 x 43 x 43 mm
Weight (incl. batteries) bodypack: approx. 158 g
hand-held: approx. 450 g
plug-on: approx. 195 g

Optional Accessories

- CC2 carrying case for complete systems Cat. No. 009826
- MMD 935 microphone head (dynamic, cardioid) for SKM 100  Cat. No. 021827
- MZW 1 windshield for SKM 100  Cat. No. 004839
- KEN colour-coded identification caps for SKM 100  Cat. No. 009950
- BA 2015 accupack for EK 100 , SK 100 , SKP 100 , SKM 100  Cat. No. 009828
- L 2015 charger for BA 2015 accupack Cat. No. 009827
- DC 2 power adaptor for EK 100  and SK 100  Cat. No. 005232
- POP 1 plug-on pouch for SKP 100  Cat. No. 009823
- GA 2 19" rack adaptor Cat. No. 009912
- AM 2 antenna mount Cat. No. 009912
- A 1031-U passive omni-directional antenna Cat. No. 004645
- A 2003-UHF passive directional antenna Cat. No. 003658
- AB 2 antenna booster
 - AB 2-A: 518–554 MHz Cat. No. 009817
 - AB 2-B: 626–662 MHz Cat. No. 009818
 - AB 2-C: 740–776 MHz Cat. No. 009819
 - AB 2-D: 786–822 MHz Cat. No. 009820
 - AB 2-E: 830–866 MHz Cat. No. 009821
- ASP 2 antenna splitter Cat. No. 009824
- NT 1 plug-in mains unit for ASP 2
 - NT 1 Cat. No. 004786
 - NT 1-120 Cat. No. 004787
 - NT 1-UK Cat. No. 004788

evolution wireless [®] 100 Series

RF Wireless Systems | evolution wireless [®]

System overview 100 series [®]

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

<p>■ ew 112 [®] Presentation Set, includes bodypack transmitter, clip-on mic (omni) and rack-mount receiver</p>
<p>■ ew 122 [®] Presentation Set, includes bodypack transmitter, clip-on mic (cardioid) and rack-mount receiver</p>
<p>■ ew 152 [®] HeadSet, includes headmic (super-cardioid), bodypack transmitter and rack-mount receiver</p>
<p>■ ew 172 [®] Instrument Set, includes bodypack/instrument transmitter, guitar cable and rack-mount receiver</p>
<p>■ ew 135 [®] Vocal Set, includes hand-held transmitter (cardioid, dynamic) and rack-mount receiver</p>
<p>■ ew 145 [®] Vocal Set, includes hand-held transmitter (super-cardioid, dynamic) and rack-mount receiver</p>
<p>■ ew 165 [®] Vocal Set, includes hand-held transmitter (super-cardioid, condenser) and rack-mount receiver</p>
<p>■ ew 112-p [®] Camera Set, includes portable receiver, bodypack transmitter and clip-on microphone (omni)</p>
<p>■ ew 122-p [®] Camera Set, includes portable receiver, bodypack transmitter and clip-on microphone (cardioid)</p>
<p>■ ew 135-p [®] Camera Set, includes portable receiver and hand-held transmitter (cardioid, dynamic)</p>
<p>■ ew 100-ENG [®] Camera Set, includes portable receiver, bodypack transmitter with clip-on microphone (omni) and plug-on transmitter for wired dynamic microphones</p>

Technical Data

Microphones for SK 100 [®] bodypack transmitter

ME 2

Transducer	condenser
Sensitivity	20 mV/Pa
Max. SPL	130 dB
Pick-up pattern	omni

ME 4

Transducer	condenser
Sensitivity	40 mV/Pa
Max. SPL	120 dB
Pick-up pattern	cardioid

ME 3

Transducer	condenser
Sensitivity	1.6 mV/Pa
Max. SPL	150 dB
Pick-up pattern	super-cardioid

Microphone heads for SKM 100 [®] hand-held transmitter

MD 835

Transducer	dynamic
Sensitivity	1.5 mV/Pa
Max. SPL	150 dB
Pick-up pattern	cardioid

MD 845

Transducer	dynamic
Sensitivity	1 mV/Pa
Max. SPL	154 dB
Pick-up pattern	super-cardioid

ME 865

Transducer	condenser
Sensitivity	3 mV/Pa
Max. SPL	144 dB
Pick-up pattern	super-cardioid

MMD 935

Transducer	dynamic
Sensitivity	2 mV/Pa
Max. SPL	154 dB
Pick-up pattern	cardioid