



# Evolution Wireless Digital EW-D EM | Rack Receiver



1/2 19" rack receiver for use with Evolution Wireless Digital handheld and bodypack transmitters.

Versatile and feature-rich digital wireless system for those who sing, speak or play instruments that allows for seamless product pairing and management via the Smart Assist App. Receive state-of-the-art live sound.

## DELIVERY INCLUDES

- EW-D EM rack receiver
- 2 rod antennas
- power supply with country adapters
- rackmount set
- 4 rubber feet
- quick guide
- safety guide
- manufacturer declaration sheet

## SPECIFICATIONS

System	
Audio link frequency ranges	Q1-6 470.2 – 526 MHz R1-6 520 – 576 MHz R4-9 552 – 607.8 MHz S1-7 606.2 – 662 MHz S4-7 630 – 662 MHz S7-10 662 – 693.8 MHz T1/7 694.5 – 702.7 MHz & 748.3 – 757.7 MHz T12 806.125 – 809.750 MHz T13-14 819.2 – 823.0 MHz U1/5 823.2 – 831.8 MHz & 863.2 – 864.8 MHz V3-4 925.2 – 937.3 MHz Y1-3 1785.2 – 1799.8 MHz
Bluetooth® Low Energy (BLE) frequency range	2402 - 2480 MHz
Audio frequency response	20 Hz - 20 kHz (-3 dB) @ 3 dBfs
Audio THD	≤ -60 dB for 1 kHz @ -3 dBfs input level
Dynamic range	134 dB
System latency	1.9 ms
Operating temperature	-10 °C - +55 °C (14 °F - 131 °F)
Relative humidity	5 - 95 % (non-condensing)

## FEATURES

- Digital wireless eliminates noise, interference and static bursts
- UHF transmission greatly enhances range, reliability and scalability
- Mobile App streamlines setup and operation and eliminates complicated menus
- Automated setup creates reliable connections with minimal time and effort
- Up to 2,240 selectable frequencies
- 56 MHz Bandwidth will allow for up to 90 channels
- Preserves every detail of even the most dynamic performances with 134 dB transmitter dynamic range
- All metal housing

### EW-D EM (Rack Receiver)

Input voltage	11 - 13 V $\overline{=}$
Input current	≤ 300 mA
Transmit power (radiated)	BLE: max. 10 mW EIRP
Audio output power	18 dBu max.
Dimensions	212 x 44 x 189 mm (8.35" x 1.73" x 7.44")
Weight (without antennas and power supply)	approx. 1000 g (2.2 lbs)



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## PRODUCT VARIANTS

<b>EW-D EM (Q1-6)</b>	470.2 - 526 MHz	Art. no. 508800
<b>EW-D EM (R1-6)</b>	520 - 576 MHz	Art. no. 508801
<b>EW-D EM (R4-9)</b>	552 - 607.8 MHz	Art. no. 508802
<b>EW-D EM (S1-7)</b>	606.2 - 662 MHz	Art. no. 508803
<b>EW-D EM (S4-7)</b>	630 - 662 MHz	Art. no. 508804
<b>EW-D EM (T1/T7)</b>	694.5 - 702.7 MHz & 748.3 - 757.7 MHz	Art. no. 700458
<b>EW-D EM (T12)</b>	806.125 - 809.750 MHz	Art. no. 700459
<b>EW-D EM (T13-14)</b>	819.2 - 823.0 MHz	Art. no. 700460
<b>EW-D EM (S7-10)</b>	662 - 693.8 MHz	Art. no. 508805
<b>EW-D EM (U1/5)</b>	823.2 - 831.8 MHz & 863.2 - 864.8 MHz	Art. no. 508806
<b>EW-D EM (V3-4)</b>	925.2 - 937.3 MHz	Art. no. 508808
<b>EW-D EM (Y1-3)</b>	1785.2 - 1799.8 MHz	Art. no. 508809



# Evolution Wireless Digital

## EW-D EM | Rack Receiver

### ACCESSORIES

<b>EW-D ASA (Q-R-S)</b>	Active Antenna Splitter	470 - 694 MHz	Art. no. 508879
<b>EW-D ASA (T-U-V-W)</b>	Active Antenna Splitter	694 - 1075 MHz	Art. no. 508880
<b>EW-D ASA (X-Y)</b>	Active Antenna Splitter	1350 - 1805 MHz	Art. no. 508881
<b>EW-D ASA CN/ANZ (Q-R-S)</b>	Active Antenna Splitter	470 - 694 MHz	Art. no. 508998
<b>EW-D AB (Q)</b>	Antenna Booster	470 - 550 MHz	Art. no. 508873
<b>EW-D AB (R)</b>	Antenna Booster	520 - 608 MHz	Art. no. 508874
<b>EW-D AB (S)</b>	Antenna Booster	606 - 694 MHz	Art. no. 508875
<b>EW-D AB (T)</b>	Antenna Booster	694 - 824 MHz	Art. no. 700462
<b>EW-D AB (U)</b>	Antenna Booster	823 - 865 MHz	Art. no. 508876
<b>EW-D AB (V)</b>	Antenna Booster	902 - 960 MHz	Art. no. 508877
<b>EW-D AB (Y)</b>	Antenna Booster	1785 - 1805 MHz	Art. no. 508878
<b>Half Wave Dipole (Q)</b>	Pair of rod antennas	470 - 550 MHz	Art. no. 508868
<b>Half Wave Dipole (R)</b>	Pair of rod antennas	520 - 608 MHz	Art. no. 508869
<b>Half Wave Dipole (S)</b>	Pair of rod antennas	606 - 694 MHz	Art. no. 508870
<b>Half Wave Dipole (T1-7)</b>	Pair of rod antennas	694 - 758 MHz	Art. no. 700461
<b>Half Wave Dipole (T12-14)</b>	Pair of rod antennas	806 - 823 MHz	Art. no. 700504
<b>Half Wave Dipole (U)</b>	Pair of rod antennas	823 - 865 MHz	Art. no. 508871
<b>Half Wave Dipole (V)</b>	Pair of rod antennas	902 - 960 MHz	Art. no. 508966
<b>Half Wave Dipole (Y)</b>	Pair of rod antennas	1785 - 1805 MHz	Art. no. 508872
<b>ADP UHF (470 - 1075 MHz)</b>	Passive directional antenna	470 - 1075 MHz	Art. no. 508863
<b>BA 70</b>	Rechargeable battery pack for SK and SKM		Art. no. 508860
<b>L 70 USB</b>	Charger for BA 70 rechargeable battery pack		Art. no. 508861
<b>EW-D CHARGING SET</b>	Set of L 70 USB charger and 2 BA 70 rechargeable battery packs		Art. no. 508862
<b>EW-D COLOR CODING SET</b>	Colored labels for wireless link identification for EM, SKM-S, SK		Art. no. 508989
<b>EW-D SK COLOR CODING</b>	Colored labels for wireless link identification for SK		Art. no. 508990
<b>EW-D SKM COLOR CODING</b>	Colored labels for wireless link identification for SKM-S		Art. no. 508991
<b>EW-D EM COLOR CODING</b>	Colored labels for wireless link identification for EM		Art. no. 508992



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## DIMENSIONS

