



# Evolution Wireless Digital EW-D SKM-S | Handheld Transmitter



Rugged and versatile handheld transmitter for use with Evolution Wireless Digital receivers, compatible with a wide range of Sennheiser and Neumann microphone capsules.

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 EW-D Smart Assist App.

## 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
- Compatible with a wide range of Sennheiser and Neumann microphone capsules
- Lithium Ion battery pack delivers up to 12 hours of operation (up to 8 hours of operation with AA batteries)
- All metal housing

## DELIVERY INCLUDES

- EW-D SKM-S handheld transmitter
- MMD 835 microphone module
- MZQ 1 microphone clamp
- pouch
- quick guide
- safety guide
- manufacturer declaration sheet

## PRODUCT VARIANTS

<b>EW-D SKM-S (Q1-6)</b>	470.2 - 526 MHz	Art. no. 508790
<b>EW-D SKM-S (R1-6)</b>	520 - 576 MHz	Art. no. 508791
<b>EW-D SKM-S (R4-9)</b>	552 - 607.8 MHz	Art. no. 508792
<b>EW-D SKM-S (S1-7)</b>	606.2 - 662 MHz	Art. no. 508793
<b>EW-D SKM-S (S4-7)</b>	630 - 662 MHz	Art. no. 508794
<b>EW-D SKM-S (S7-10)</b>	662 - 693.8 MHz	Art. no. 508795
<b>EW-D SKM-S (U1/5)</b>	823.2 - 831.8 MHz & 863.2 - 864.8 MHz	Art. no. 508796
<b>EW-D SKM-S (V3-4)</b>	925.2 - 937.3 MHz	Art. no. 508798
<b>EW-D SKM-S (Y1-3)</b>	1785.2 - 1799.8 MHz	Art. no. 508799



# Evolution Wireless Digital

## EW-D SKM-S | Handheld Transmitter

### SPECIFICATIONS

System		EW-D SKM-S (Handheld Transmitter)	
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 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	Input voltage	2.0 - 4.35 V
Bluetooth® Low Energy (BLE) frequency range	2402 - 2480 MHz	Input current	< 300 mA
Audio frequency response	20 Hz - 20 kHz (-3 dB) @ 3 dBfs	Power supply	2 AA batteries 1.5 V (alkali manganese) or BA 70 rechargeable battery pack
Audio THD	≤ -60 dB for 1 kHz @ -3 dBfs input level	Occupied bandwidth	200 kHz
Dynamic range	134 dB	Transmit power (radiated)	Audio link: 10 mW ERP (Range Y1-3: 12 mW ERP) BLE: max. 10 mW EIRP
System latency	1.9 ms	Dimensions (ø x l) (incl. MMD 835 microphone module)	50 x 268 mm (1.97" x 10.55")
Operating temperature	-10 °C - +55 °C (14 °F - 131 °F)	(without microphone module)	40 x 200 mm (1.57" x 7.87")
Relative humidity	5 - 95 % (non-condensing)	Weight (without batteries) (incl. MMD 835 microphone module)	approx. 304 g (0.67 lbs)
		(without microphone module)	approx. 195 g (7.14 lbs)

### MMD 835 (Microphone Module)

Transducer principle	dynamic
Sensitivity	2.1 mV/Pa
Sound pressure level	154 dB SPL
Pick-up pattern	cardioid

### MICROPHONE COMPATIBILITY

#### Microphone modules compatible with the EW-D SKM-S handheld transmitter

<b>MMD 835-1</b>	Dynamic microphone module with cardioid polar pattern
<b>MMD 845-1</b>	Dynamic microphone module with supercardioid polar pattern
<b>MME 865-1</b>	Pre-polarized condenser microphone module with supercardioid polar pattern
<b>MMD 935-1</b>	Dynamic microphone module with cardioid polar pattern
<b>MMD 945-1</b>	Dynamic microphone module with supercardioid polar pattern
<b>MMK 965-1</b>	Condenser microphone module with switchable cardioid and supercardioid polar pattern
<b>MMD 42-1</b>	Dynamic microphone module with omni-directional polar pattern
<b>Neumann KK 204</b>	Condenser microphone module with cardioid polar pattern
<b>Neumann KK 205</b>	Condenser microphone module with supercardioid polar pattern
<b>MM 435</b>	Dynamic microphone module with cardioid polar pattern
<b>MM 445</b>	Dynamic microphone module with supercardioid polar pattern
<b>ME 9002</b>	Pre-polarized condenser microphone module with omni-directional polar pattern
<b>ME 9004</b>	Pre-polarized condenser microphone module with cardioid polar pattern
<b>ME 9005</b>	Pre-polarized condenser microphone module with supercardioid polar pattern



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## EW-D SKM-S | Handheld Transmitter

### 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 (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>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

