



Evolution Wireless Digital EW-DX SKM-S | EW-DX SKM Handheld Transmitter

Rugged and versatile handheld transmitter with or without switch.



FEATURES

- 10mW RF power with up to 100m/328ft working range
- Charging contacts for in-device charging with CHG 70N
- Persistent elnk display - parameters visible on screen even when device is not powered on
- Programmable mute switch on EW-DX SKM-S - customize the device depending on your professional needs
- Function buttons - control all the transmitter settings directly from handheld microphone
- Extended runtime with lithium-ion batteries - up to 12 hours operation time
- Standard capsule interface - compatible with a wide range of Sennheiser and Neumann capsules
- Mic input trim control
- Metal housing

DELIVERY INCLUDES

- EW-DX SKM handheld transmitter
- MZQ 1 microphone clamp
- batteries (AA)
- quick guide
- safety guide
- manufacturer declaration sheet



Evolution Wireless Digital

EW-DX SKM-S | EW-DX SKM

Handheld Transmitter

SPECIFICATIONS

System		EW-DX SKM (Handheld Transmitter)	
Audio link frequency ranges	Q1-9 470.2 - 550 MHz R1-9 520 - 607.8 MHz S1-10 606.2 - 693.8 MHz S2-10 614.2 - 693.8 MHz S4-10 630 - 693.8 MHz U1/5 823.2 - 831.8 MHz & 863.2 - 864.8 MHz V3-4 925.2 - 937.3 MHz V5-7 941.7 - 951.8 MHz & 953.05 - 956.05 MHz & 956.65 - 959.65 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)	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) LD mode: 10 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)

PRODUCT VARIANTS

EW-DX SKM-S (Q1-9)	470.2 - 550 MHz	Art. no. 509412
EW-DX SKM-S (R1-9)	520 - 607.8 MHz	Art. no. 509413
EW-DX SKM-S (S1-10)	606.2 - 693.8 MHz	Art. no. 509414
EW-DX SKM-S (S2-10)	614.2 - 693.8 MHz	Art. no. 509417
EW-DX SKM-S (S4-10)	630 - 693.8 MHz	Art. no. 509418
EW-DX SKM-S (U1/5)	823.2 - 831.8 MHz & 863.2 - 864.8 MHz	Art. no. 509419
EW-DX SKM-S (V3-4)	925.2 - 937.3 MHz	Art. no. 509421
EW-DX SKM-S (V5-7)	941.7 - 951.8 MHz & 953.05 - 956.05 MHz & 956.65 - 959.65 MHz	Art. no. 509422
EW-DX SKM-S (Y1-3)	1785.2 - 1799.8 MHz	Art. no. 509423
EW-DX SKM (Q1-9)	470.2 - 550 MHz	Art. no. 509426
EW-DX SKM (R1-9)	520 - 607.8 MHz	Art. no. 509427
EW-DX SKM (S1-10)	606.2 - 693.8 MHz	Art. no. 509428
EW-DX SKM (S2-10)	614.2 - 693.8 MHz	Art. no. 509431
EW-DX SKM (S4-10)	630 - 693.8 MHz	Art. no. 509432
EW-DX SKM (U1/5)	823.2 - 831.8 MHz & 863.2 - 864.8 MHz	Art. no. 509433
EW-DX SKM (V3-4)	925.2 - 937.3 MHz	Art. no. 509435
EW-DX SKM (V5-7)	941.7 - 951.8 MHz & 953.05 - 956.05 MHz & 956.65 - 959.65 MHz	Art. no. 509436
EW-DX SKM (Y1-3)	1785.2 - 1799.8 MHz	Art. no. 509439



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MICROPHONE COMPATIBILITY

Microphone modules compatible with the EW-DX SKM-S and EW-DX SKM handheld transmitters

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

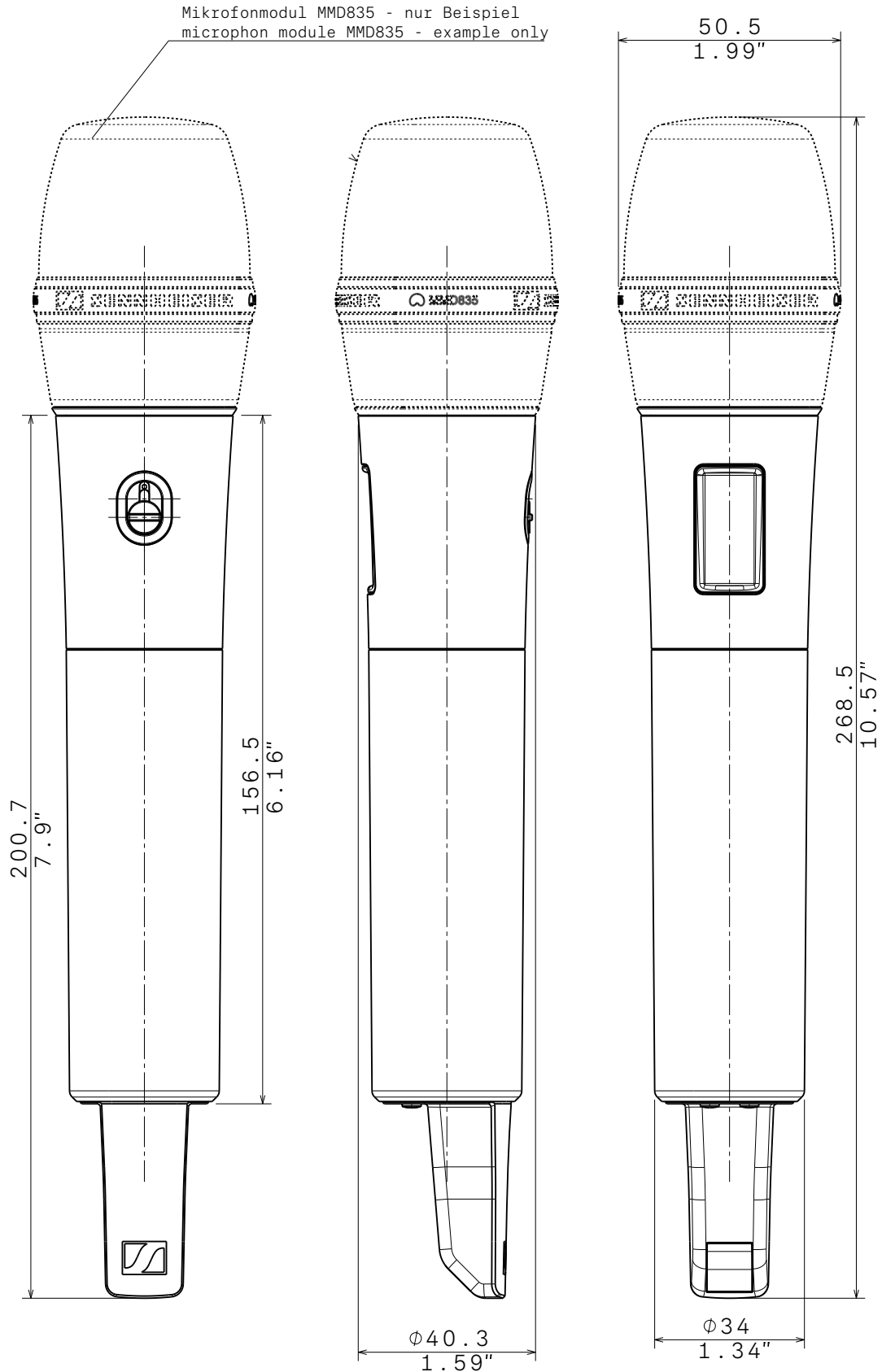
ACCESSORIES

BA 70	Rechargeable battery pack for SK and SKM	Art. no. 508860
L 70 USB	Charger for BA 70 rechargeable battery pack	Art. no. 508861
EW-D CHARGING SET	Set of L 70 USB charger and 2 BA 70 rechargeable battery packs	Art. no. 508862
CHG 70N	Network-enabled charger for SK, SKM and BA 70	Art. no. 509455
CHG 70N + PSU KIT	CHG 70N charger with NT 12-35 CS power supply unit	Art. no. 509456



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DIMENSIONS





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EW-DX SKM handheld transmitter

The handheld transmitter shall be for use with a companion receiver as part of a digital wireless RF transmission system.

The handheld transmitter shall operate within the following UHF frequency ranges, with a switching bandwidth of up to 88 MHz: 470.2 – 550 MHz, 520 – 607.8 MHz, 606.2 – 693.8 MHz, 614.2 – 693.8 MHz, 630 – 693.8 MHz, 823.2 – 831.8 MHz, 863.2 – 846.8 MHz, 925.2 – 937.3 MHz, 941.7 – 951.8 MHz, 953.05 – 956.05 MHz, 956.65 – 959.65 MHz, 1785.2 – 1799.8 MHz. Different frequency variants shall be available depending on country-specific regulations.

The audio frequency response shall be between 20 Hz and 20 kHz (-3 dB). Audio total harmonic distortion (THD) shall be ≤ -60 dB for 1 kHz @ -3 dBfs input level. Dynamic range shall be 134 dB. System latency shall be 1.9 ms.

Occupied bandwidth shall be 200 kHz. Transmit power (radiated) shall be 10 mW ERP (1785.2 – 1799.8 MHz Range: 12 mW ERP).

The handheld transmitter shall be menu-driven with a backlit elnk display showing the relevant status information such as frequency, battery status or AES 256 encryption status.

All transmitter parameters shall be adjustable with function buttons on the device itself or by Bluetooth Low Energy (BLE) synchronization via the associated receiver. The function buttons shall be lockable against accidental misuse.

Power shall be supplied to the handheld transmitter by two 1.5 V AA size batteries or by one Sennheiser BA 70 rechargeable battery pack. Operating time shall be typically 12 hours with a battery pack and up to 8 hours with AA batteries.

The handheld transmitter shall feature charging contacts for direct charging of the transmitter with inserted BA 70 battery pack in a Sennheiser CHG 70N network-enabled charger.

The handheld transmitter shall utilize Sennheiser's standard capsule interface serving Sennheiser microphone modules of the evolution wireless and 2000 series and Digital 6000 and 9000 as well as the Neumann KK 204 / 205 microphone modules.

The handheld transmitter shall have a rugged metal housing; dimensions shall be approximately 50 mm (1.97") in diameter and 268 mm (10.55") in length including a Sennheiser MMD 835 microphone module. Weight including MMD 835 microphone module shall be approximately 304 grams (0.67 lbs). Operating temperature shall range from -10 °C to $+50$ °C ($+14$ °F to $+122$ °F).

The handheld transmitter shall be the Sennheiser EW-DX SKM.

EW-DX SKM-S handheld transmitter

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Occupied bandwidth shall be 200 kHz. Transmit power (radiated) shall be 10 mW ERP (1785.2 – 1799.8 MHz Range: 12 mW ERP).

A programmable mute switch shall be provided for muting or unmuting either the audio signal or the radio signal. The mute switch can also be deactivated.

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