



## 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 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 (T1/T7)</b>  | 694.5 – 702.7 MHz & 748.3 – 757.7 MHz | Art. no. 700455 |
| <b>EW-D SKM-S (T12)</b>    | 806.125 – 809.750 MHz                 | Art. no. 700456 |
| <b>EW-D SKM-S (T13-14)</b> | 819.2 – 823.0 MHz                     | Art. no. 700457 |
| <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 |



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### SPECIFICATIONS

| System                                      |        |                                          | EW-D SKM-S (Handheld Transmitter)                               |                                                                            |
|---------------------------------------------|--------|------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------|
| Audio link frequency ranges                 | Q1-6   | 470.2 – 526 MHz                          | Input voltage                                                   | 2.0 - 4.35 V                                                               |
|                                             | R1-6   | 520 – 576 MHz                            | Input current                                                   | < 300 mA                                                                   |
|                                             | R4-9   | 552 – 607.8 MHz                          | Power supply                                                    | 2 AA batteries 1.5 V (alkali manganese) or BA 70 rechargeable battery pack |
|                                             | S1-7   | 606.2 – 662 MHz                          | Occupied bandwidth                                              | 200 kHz                                                                    |
|                                             | S4-7   | 630 – 662 MHz                            | Transmit power (radiated)                                       | Audio link: 10 mW ERP<br>(Range Y1-3: 12 mW ERP)<br>BLE: max. 10 mW EIRP   |
|                                             | S7-10  | 662 – 693.8 MHz                          | Dimensions (ø x l)<br>(incl. MMD 835 microphone module)         | 50 x 268 mm (1.97" x 10.55")                                               |
|                                             | T1/7   | 694.5 – 702.7 MHz &<br>748.3 – 757.7 MHz | (without microphone module)                                     | 40 x 200 mm (1.57" x 7.87")                                                |
|                                             | T12    | 806.125 – 809.750 MHz                    | Weight (without batteries)<br>(incl. MMD 835 microphone module) | approx. 304 g (0.67 lbs)                                                   |
|                                             | T13-14 | 819.2 – 823.0 MHz                        | (without microphone module)                                     | approx. 195 g (7.14 lbs)                                                   |
|                                             | U1/5   | 823.2 – 831.8 MHz &<br>863.2 – 864.8 MHz |                                                                 |                                                                            |
| Bluetooth® Low Energy (BLE) frequency range |        |                                          | <b>MMD 835 (Microphone Module)</b>                              |                                                                            |
| 2402 - 2480 MHz                             |        |                                          | Transducer principle                                            | dynamic                                                                    |
| Audio frequency response                    |        |                                          | Sensitivity                                                     | 2.1 mV/Pa                                                                  |
| 20 Hz - 20 kHz (-3 dB) @ 3 dBfs             |        |                                          | Sound pressure level                                            | 154 dB SPL                                                                 |
| Audio THD                                   |        |                                          | Pick-up pattern                                                 | cardioid                                                                   |
| ≤ -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)                   |        |                                          |                                                                 |                                                                            |

### 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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#### 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>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

