

# Specifications

## System

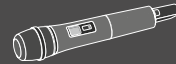
|                             |   |
|-----------------------------|---|
| Modulation                  | wideband FM   |
| Frequency ranges            | A: 548 to 572 MHz<br>GB: 606 to 630 MHz<br>B: 614 to 638 MHz<br>C: 766 to 790 MHz<br>D: 794 to 806 MHz<br>E: 821 to 832 MHz and 863 to 865 MHz<br>K: 925 to 937.5 MHz |
| Switching bandwidth         | up to 24 MHz  |
| Frequencies                 | adjustable in 25-kHz steps<br>8 frequency banks, each with up to 12 factory-preset channels   |
| Signal-to-noise ratio       | ≥ 103 dBA   |
| THD                         | ≤ 0.9%  |
| Temperature range           | operation: 0°C to +40°C<br>storage: -20°C to +70°C  |
| Transmitter synchronization | 2.4 GHz, Low Power OQPSK (only active during synchronization)   |

## Receiver



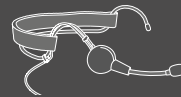
|  | EM-XSW2  |
|--|--|
| Receiver principle                                   | double superheterodyne   |
| Diversity principle                                  | True Diversity   |
| Sensitivity (at peak deviation)                      | < 3 $\mu\text{V}$ at 52 dB(A) <sub>rms</sub> S/N                                     |
| AF frequency response                                | 50 to 16,000 Hz (-3 dB)  |
| Max. AF output voltage (at peak deviation, 1 kHz AF) | 1/4" (6.3 mm) jack socket (unbalanced): +6 dBu<br>XLR socket (balanced): +12 dBu     |
| Audio adjustment range                               | 40 dB, adjustable via jog dial   |
| Power supply   | 12 V $\approx$ nom. / 300 mA   |
| Squelch  | adjustable from 3 dB $\mu\text{V}$ to 28 dB $\mu\text{V}$ (combined with pilot tone) |
| Line/Mic level                                       | 20 dB, switchable  |
| Housing material                                     | rugged metal housing   |
| Dimensions (W x H x D)                               | ca. 200 x 42 x 127 mm  |
| Weight   | ca. 680 g  |

## Transmitters



|  | SK-XSW  | e 835                       | SKM-XSW<br>e 865            |
|--|---|-----------------------------|-----------------------------|
| RF output power                                | 10 mW   |                             |                             |
| AF frequency response                          | 50 to 16,000 Hz (Line)<br>80 to 16,000 Hz (Mic)                                   | 80 to 16,000 Hz             |                             |
| Audio input                                    | 3.5 mm jack socket  | –                           |                             |
| Max. input voltage<br>(Mic/Line) at 3% THD     | typ. 1.5 V <sub>RMS</sub> Mic/<br>typ. 2.6 V <sub>RMS</sub> Line<br>@ –30 dB Gain | –                           |                             |
| Power supply                                   | 2 AA size batteries, 1.5 V  |                             |                             |
| Operating time                                 | approx. 10 hours  |                             |                             |
| Microphone type                                | –   | dynamic                     | condenser,<br>pre-polarized |
| Input sensitivity (capsule)                    | –   | 1.5 mV/Pa                   | 1.8 mV/Pa                   |
| Pick-up pattern                                | –   | cardioid                    | super-cardioid              |
| Adjustment range of<br>transmitter sensitivity | 0 to –30 dB, adjustable in 10-dB steps  |                             |                             |
| Housing material                               | rugged ABS housing  |                             |                             |
| Dimensions                                     | approx. 71 x 96 x 28 mm<br>(W x H x D)  | approx. 260 x 50 mm (L x Ø) |                             |
| Weight   | approx. 95 g  | approx. 245 g               |                             |

## Microphones



|                      | ME 2-2                      | ME 3-II                     |
|----------------------|-----------------------------|-----------------------------|
| Transducer principle | condenser,<br>pre-polarized | condenser,<br>pre-polarized |
| Sensitivity          | 20 mV/Pa                    | 1.6 mV/Pa                   |
| Pick-up pattern      | omni-directional            | cardioid                    |
| Max. SPL             | 130 dB                      | 150 dB                      |

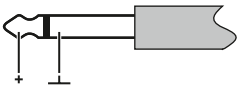
## NT 12-5CW power supply unit

|                           |  |
|---------------------------|--|
| Nominal input voltage     | 100 to 240 V~                            |
| Power frequency           | 50 or 60 Hz                              |
| Input current             | ≤ 200 mA                                 |
| Nominal output voltage    | 12 V =                                   |
| Output current            | ≤ 500 mA                                 |
| Standby power consumption | ≤ 0.075 W @230 V AC<br>≤ 0.1 W @115 V AC |
| Energy efficiency level   | DoE Level VI                             |
| Temperature range         | 0°C to +40°C                             |
| Storage temperature       | -20°C to +60°C                           |
| Relative air humidity     | max. 95%                                 |
| Weight (without adapter)  | approx. 65 g                             |
| Cable lenght              | approx. 1.83 m                           |

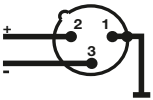
## Connector assignment

### EM-XSW2

1/4" (6.3 mm) mono jack plug



XLR-3 connector

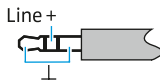


DC connector for power supply

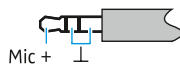


### SK-XSW

3,5-mm-jack plug

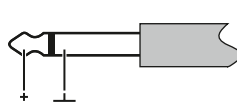


3,5-mm-jack plug



### CI 1-N

1/4" (6.3 mm) mono jack plug



3.5 mm jack plug

