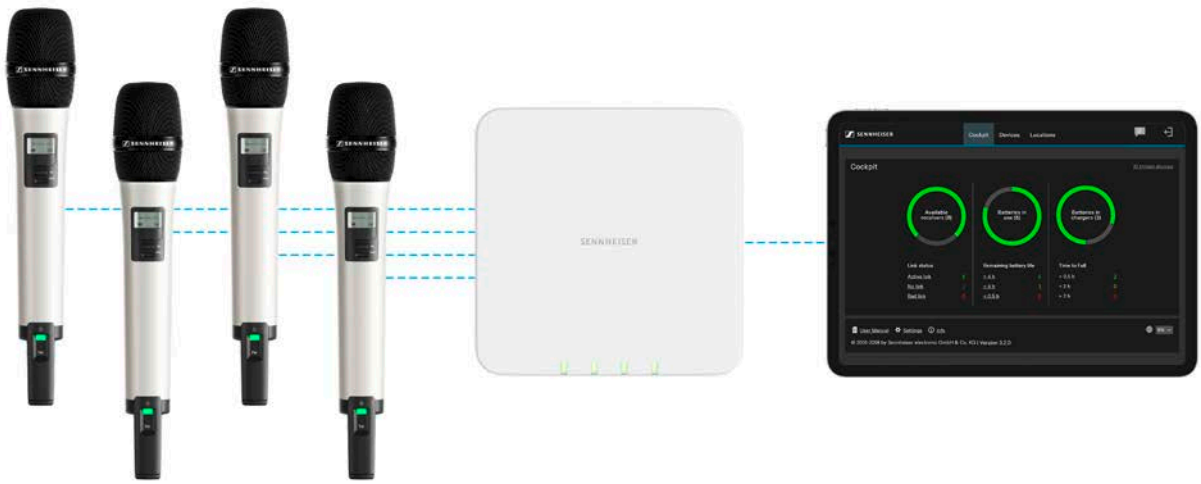
SpeechLine Digital Wireless
SL MCR DW | Multi-Channel Receiver

FEATURES

- Wall, ceiling or mic-stand mounted access point
- 2 or 4 SL DW RF links
- Analog output - accounting for existing infrastructure
- 2x Dante interface
- Power over Ethernet (PoE)
- Full control & configuration via Control Cockpit
- Status LED per link
- Integrated IT/Network security standards

The SpeechLine Multi-Channel Receiver with its 2 or 4 channels is the perfect addition to the SpeechLine Digital Wireless series. Thanks to its unobtrusive design, the Multi-Channel receiver can be installed quickly and easily in any room, whether on the wall or ceiling.



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DELIVERY INCLUDES

- SL MCR DW Multi-channel receiver
- Wall mount adapter
- Drilling template
- 3-pin Phoenix connector (3.81)
- Quick guide
- Safety guide
- Manufacturer declarations

PRODUCT VARIANTS

SL MCR 2 DW-3 1,880 to 1,900 MHz Art. No. 508849
2-channel version | Europe, Hong Kong, Singapore, Malaysia, India, Indonesia, Australia

SL MCR 2 DW-4 1,920 to 1,930 MHz Art. No. 508850
2-channel version | USA, Canada, Latin America

SL MCR 2 DW-5 1,893 to 1,906 MHz Art. No. 508851
2-channel version | Japan

SL MCR 2 DW-6 1,880 to 1,895 MHz Art. No. 508852
2-channel version | Taiwan

SL MCR 2 DW-7 1,910 to 1,920 MHz Art. No. 508853
2-channel version | Brazil

SL MCR 4 DW-3 1,880 to 1,900 MHz Art. No. 508854
4-channel version | Europe, Hong Kong, Singapore, Malaysia, India, Indonesia, Australia

SL MCR 4 DW-4 1,920 to 1,930 MHz Art. No. 508855
4-channel version | USA, Canada, Latin America

SL MCR 4 DW-5 1,893 to 1,906 MHz Art. No. 508856
4-channel version | Japan

SL MCR 4 DW-6 1,880 to 1,895 MHz Art. No. 508857
4-channel version | Taiwan

SL MCR 4 DW-7 1,910 to 1,920 MHz Art. No. 508858
4-channel version | Brazil

ACCESSORIES

SL MCR Wallmount Adapter Art. No. 508891

SPECIFICATIONS

System

AF frequency response	20 to 20,000 Hz
Dynamic range	> 120 dB(A)
THD (1 kHz)	typ. 0.1 %
Audio sampling	24 bit/48 kHz
Signal-to-noise ratio	> 90 dB(A)
Encryption	AES 256
RF frequency ranges	EU: 1,880 - 1,900 MHz USA: 1,920 - 1,930 MHz Brazil: 1,910 - 1,920 MHz Taiwan: 1,880 - 1,895 MHz Japan: 1,893 - 1,906 MHz
Modulation	GFSK with back channel
Transmission method	TDMA, space diversity
Latency	19 ms

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RF sensitivity	< -90 dBm
RF output power back channel	adaptive or manual, up to 250 mW (country-specific)
Network protocol	Media Control Protocol, UDP IPv4 (DHCP, Manual)/IPv6, mDNS (switchable)
Power supply	PoE IEEE 802.3af Class 3
Audio outputs	One 3-pin socket (suitable for Phoenix Contact MCVW 1.5-3-ST-3.81) Two Dante™ Digital Audio Network sockets (RJ-45)
Weight	650 g (incl. wallmount) 560 g (without wallmount)
Dimensions	180 x 180 x 45 mm (incl. wallmount)
Operating temperature	–10 °C to +45 °C (14 °F to 113 °F)
Storage temperature	–20 °C to +70 °C (–4 °F to 158 °F)
Relative air humidity	max. 95 %

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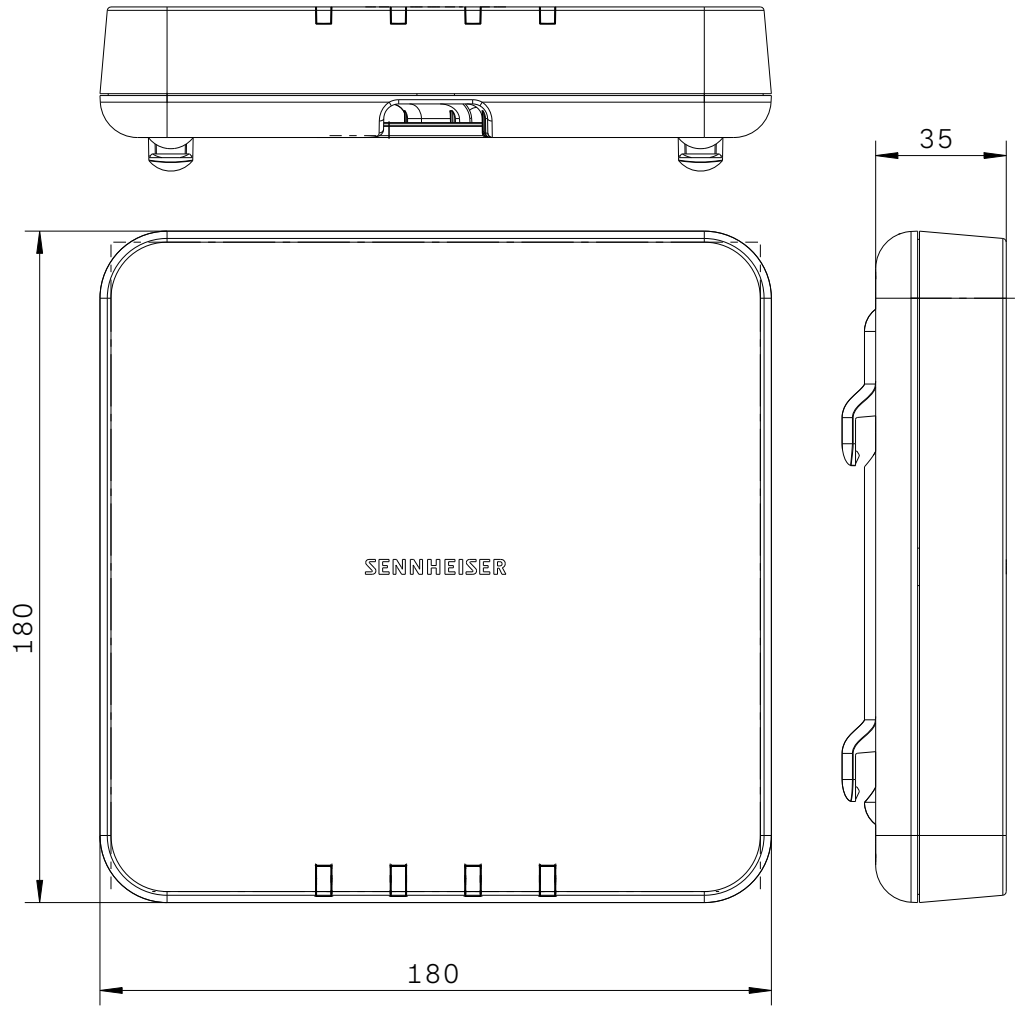
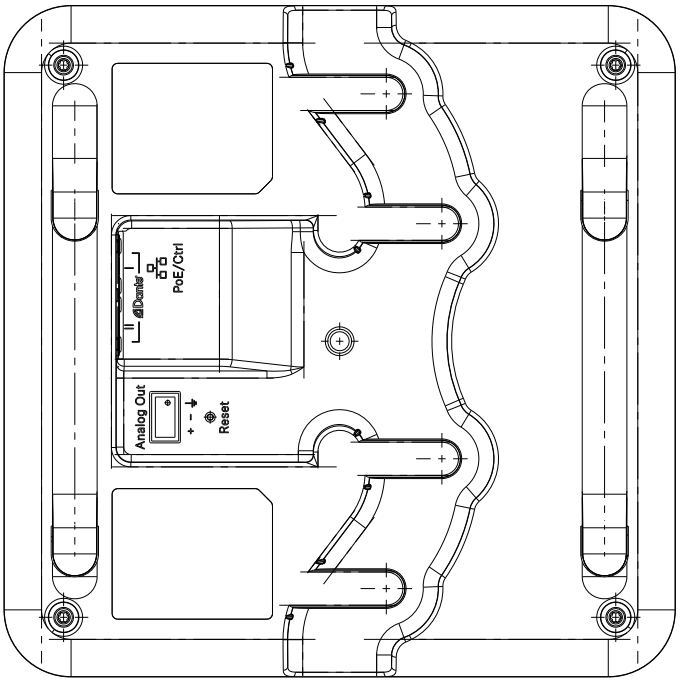
DIMENSIONS





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ARCHITECT‘S SPECIFICATION

The multi-channel receiver shall be for use with up to four companion transmitters as part of a wireless RF transmission system.

The receiver shall operate in the license-free 1.9 GHz band (frequency ranges shall be from 1,880 to 1,930 MHz, depending on country-specific regulations) and shall use automatic frequency management to find and select the best available frequency in the spectrum and to automatically start the transmission.

The receiver shall also incorporate automatic interference management, allowing it to inaudibly and seamlessly change to another frequency if any interference is detected. Time Division Multiple Access (TDMA) and space diversity shall be used to provide for increased transmission reliability.

The receiver shall be available as a 2-channel version and a 4-channel version. The receiver shall have a discreet design with fully integrated antennas. With the supplied mounting adapter it shall be mountable to a wall, a ceiling, a tripod or a VESA 100 mount.

The receiver shall have two RJ-45 network sockets for power supply (Power over Ethernet: PoE IEEE 802.3af Class 3) and remote control via a control software solution like the Sennheiser Control Cockpit or a media control system (e. g. Crestron and AMX). The two RJ-45 network sockets shall also output digital audio signals to a Dante™ audio network.

In addition, the receiver shall feature a 3-pin socket for analog audio output. The 3-pin socket shall be compatible with Phoenix Contact MCVW 1.5-3-ST-3.81 plugs.

Control and operation of the receiver shall be performed via the control software solution Sennheiser Control Cockpit. The following features shall be adjustable via the control software: speech-optimized sound profiles, 7-band graphic equalizer for custom audio settings, low-cut filter, automatic gain control (AGC) settings, audio sensitivity settings, audio output level settings, transmitter RF power level, transmitter mute mode and mute switch functionality, RF synchronisation, receiver and transmitter firmware update.

Via the control software the receiver shall support automatic or manual mixing of the audio channels to a sum signal. The analog audio output shall output the sum signal. The digital audio outputs shall be able to output the individual channels or the sum signal.

The receiver’s AF frequency response shall range from 20 – 20,000 Hz. The dynamic range shall be > 120 dB(A). Total harmonic distortion (THD) at 1 kHz shall be typical 0.1 %. Signal-to-noise ratio shall be > 90 dB(A). The receiver’s RF sensitivity shall be -90 dBm. RF output power of the receiver’s back channel shall be adaptive and up to 250 mW (country-specific).

The dimensions shall be approximately 180 x 180 x 45 mm (including the mounting adapter). Weight shall be approximately 560 grams (650 grams with the mounting adapter). Operating temperature shall range from -10 °C to +45 °C (+14 °F to +113 °F).

The receiver shall be the Sennheiser SL MCR 2 DW (2-channel version) or the SL MCR 4 DW (4-channel version).