



MobileConnect Assistive Listening



Sennheiser MobileConnect streams audio content via WiFi live and in superior quality to any mobile device. Following the Bring-Your-Own-Device concept, it is an easy-to-use and intuitive Assistive Listening system. Cost and maintenance effort for operators is kept at a minimum.

MobileConnect is optimized for use in existing network infrastructures. The MobileConnect system consists of three components: the MobileConnect Station, the MobileConnect Manager and the MobileConnect App. The MobileConnect Station is integrated into the existing campus network and distributes the audio content via WiFi to the MobileConnect App on the user's personal smartphone. With the MobileConnect Manager, all MobileConnect Stations in the network can be administrated conveniently and managed remotely from anywhere on the campus.

SYSTEM FEATURES

- Wireless Assistive Listening system
- Individual sound adjustment with Personal Hearing Assistant
- Support of all wireless and wired hearing aids
- Solution for gradual installation on the entire campus
- BYOD concept: no service and maintenance cost
- Analog and digital (Dante™) audio inputs for versatile connectivity
- PoE for easy installation in the server rack
- Central configuration and control with MobileConnect Manager software

SYSTEM ADVANTAGES

- Complex network handling, including NAT
- Single point of administration
- Supports physically separated networks for streaming and administration
- Software controlled audio resource handling
- Enhanced security
- Allows DNS-based service announcements
- Supports different IP subnets with auto detection
- Location based audio

DELIVERY INCLUDES

- Sennheiser MobileConnect Station
- Housing feet
- Quick guide
- Safety guide

VALUE FOR OPERATORS

- Equipment of entire campus
- Easy integration into existing networks
- Effortless administration with MC Manager
- Low TCO
- Low maintenance effort and cost

VALUE FOR USERS

- Personal smartphone as audio receiver
- Familiar device
- Little adaption time
- Convenient use
- High compatibility with personal hearing aids
- No dedicated device
- No dedicated seating area
- True Inclusion



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SPECIFICATIONS

Product properties

Dimensions W x D x H	approx. 212 x 168 x 43 mm (8.4" x 6.6" x 1.7")
Weight	approx. 970 g
Audio inputs	2x 3-pin sockets (suitable for XLR-3-F) 2x Dante™ Digital Audio Network sockets (RJ-45) 2x 3-pin sockets (suitable for XLR-3-M)
Network / Control	1x RJ-45 Control/PoE/Streaming 1x RJ-45 Control
Supply voltage	PoE IEEE 802.3af Class 3
Power consumption	Max. 10 W

XLR connectors

Frequency response	40 Hz - 20 kHz
Signal to noise ratio S/N	101 dB (A)
Total harmonic distortion THD + N	-82 dB (A)
Input impedance	10 kΩ
Max. input level	without gain: 18 dBu with gain: 3 dBu
Max. output level	4 dBu 600 Ω 8 dBu 200 kΩ

Ambient conditions

Temperature range	Operation: 0 °C to +40 °C (32 °F to 104 °F) Storage: -10 °C to +60 °C (14 °F to 140 °F)
Relative air humidity	20 - 90 %, non condensing

ARTICLE INFORMATION

Sennheiser MobileConnect Station

Art.no. 508895

PRODUCT FEATURES

MobileConnect Station

- ½ 19" housing
- 100 simultaneous clients / station
- 2 XLR inputs
- 2 XLR outputs (for future features)
- DANTE interface (2 inputs)
- Power over Ethernet (PoE)

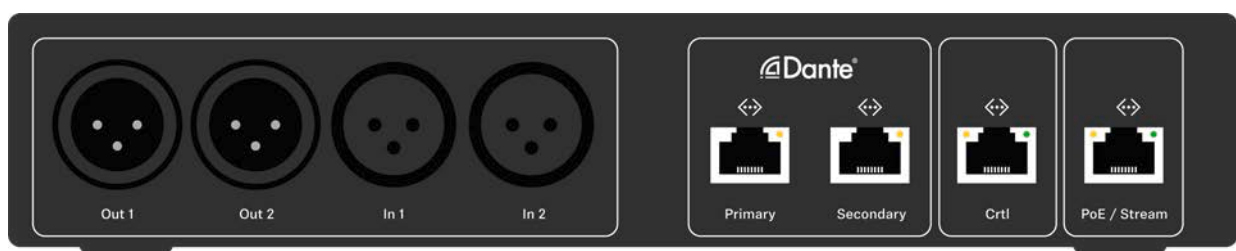
MobileConnect App

- Enhanced UI/UX-Design
- Improved audio handling & stream stability
- Lower latency
- QR-Code Scanner
- Better Personal Hearing Assistant
- Supports legacy MobileConnect systems and the new system
- Available since October 2019

Backend: MobileConnect Manager

- Delivery as Software container
- On-premise server hardware
- Administration of all Stations in the network
- Cloud updates
- Up to 400 Stations
- Free of charge

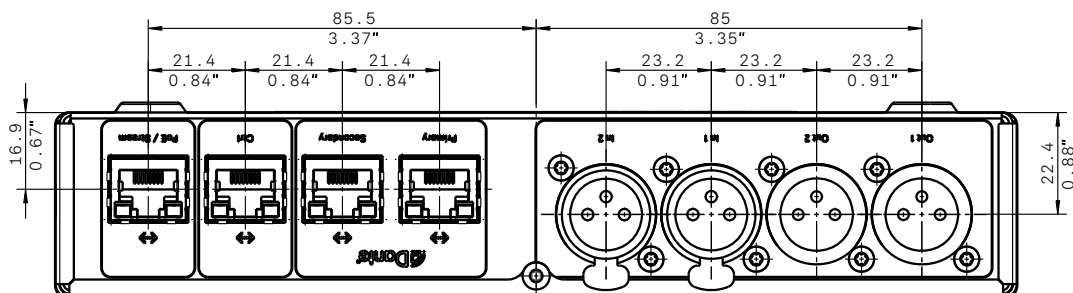
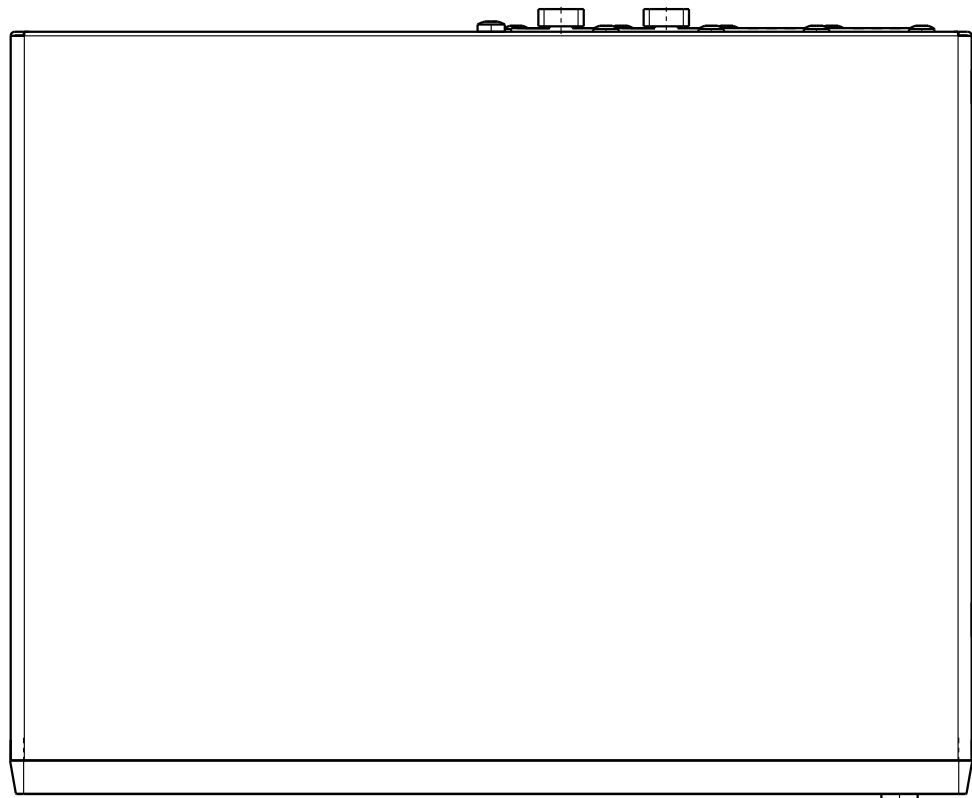
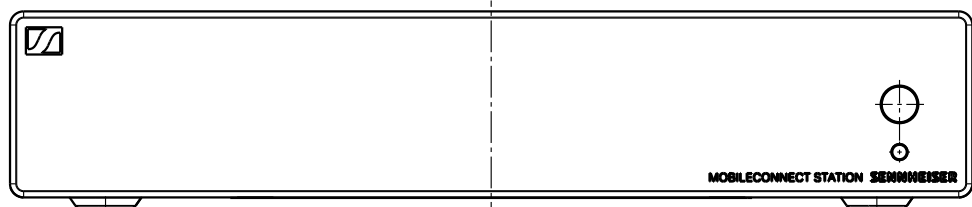
CONNECTIONS





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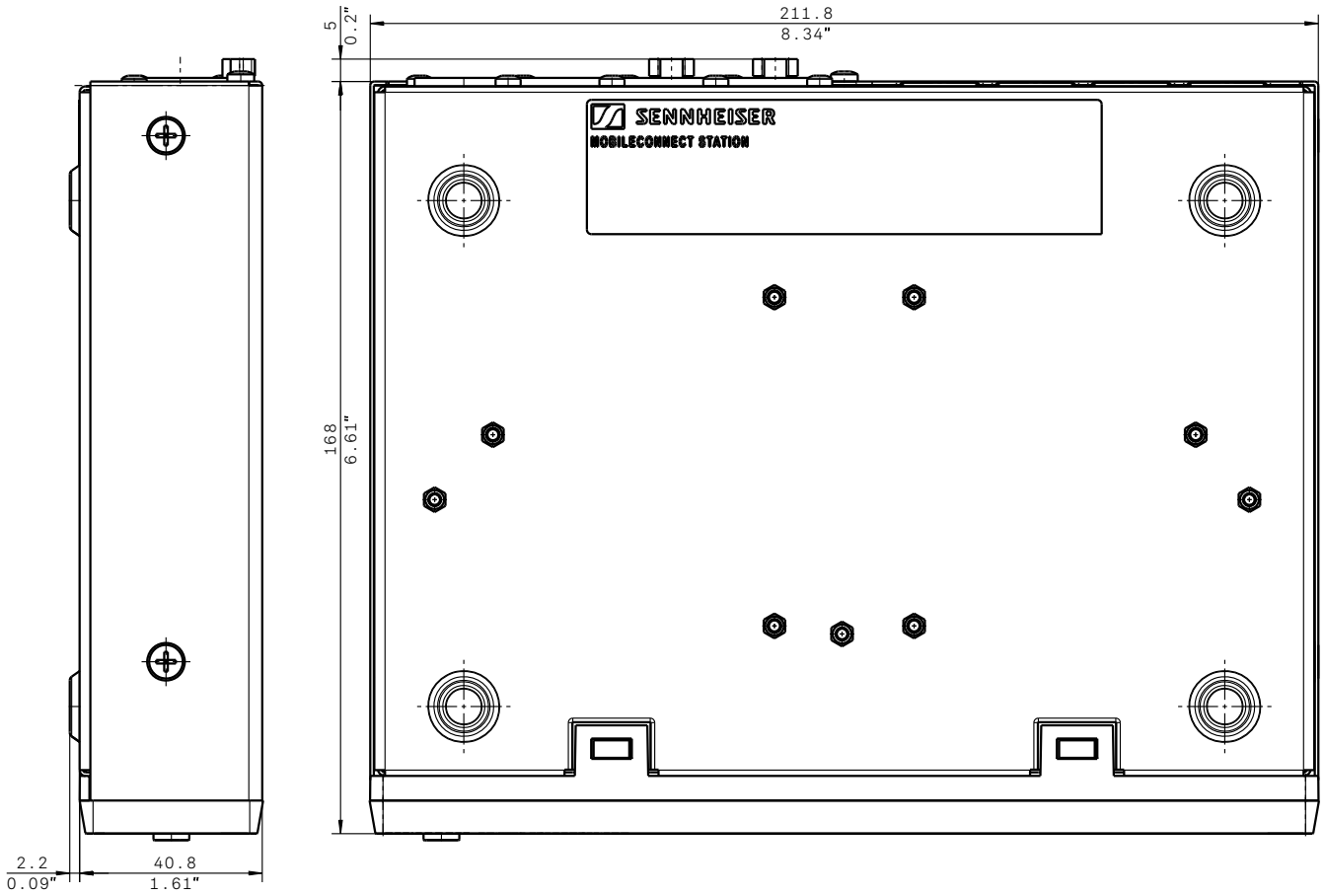
DIMENSIONS





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DIMENSIONS





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ARCHITECT'S SPECIFICATION

A multi channel streaming system that allows transmission of audio description, assistive listening, multilingual audio content, and alternative content to your mobile devices using a dedicated App, which is available for iOS and Android mobile devices.

The system shall be comprised of a central unit, which serves as an audio over WiFi server for analog and digital audio inputs/outputs, a mobile App as the receiver application, and a dedicated configuration software running on a server provided by the customer. The mobile App shall be available for iOS and Android free of charge. The configuration software shall also be free of charge.

The system shall have a low latency and premium audio quality. The central unit shall allow up to 100 simultaneous users. Due to the Bring-Your-Own-Device principle, the system shall be easily operable for the users on their personal smartphones. The integrated Personal Hearing Assistant shall provide individually adjustable sound settings for every user.

The system shall support all wireless and wired headphones, hearing aids and Cochlea implants.

The central unit shall have a rugged housing and be mountable in a standard 19" rack. Housing dimensions shall be approx. 212 x 168 x 43 mm (8.4" x 6.6" x 1.7"). Weight shall be approx. 970 g.

The central unit shall feature two XLR-3F analog audio input sockets and two XLR-3M analog audio output sockets. It shall also feature a Dante™ interface with two RJ-45 ports for digital audio input and output.

The central unit shall also feature an RJ-45 socket for network control and an RJ-45 socket for the connection to the streaming network. The central unit can be integrated into an existing network infrastructure.

The frequency response shall be 40 Hz to 20,000 Hz, signal to noise ratio shall be 101 dB(A). Total harmonic distortion shall be -82 dB(A). The input impedance of the audio inputs shall be 10 kΩ, the max. input level shall be 18 dBu without gain and 3 dBu with gain. The maximum audio output level shall be 4 dBu 600 Ω and 8 dBu 200 kΩ.

The central unit shall be operable in a temperature range of 0 °C to +40 °C (32 °F to 104 °F) at a relative air humidity of 20 - 90 % (non-condensing). The central unit shall operate on PoE IEEE 802.3af Class 3. Power consumption shall be max. 10 W.

The central unit shall be the Sennheiser MobileConnect Station.

The mobile App shall be the Sennheiser MobileConnect App.

The configuration software shall be the Sennheiser MobileConnect Manager.

The system shall be the Sennheiser MobileConnect.