



# TeamConnect Ceiling

## Ceiling microphone conference system



### FEATURES

- Allows the person speaking to move around freely anywhere in the room during conferences and presentations
- Integrative Freedom: Virtually invisible integration thanks to unobtrusive design and inconspicuous installation variants
- Connectivity & Compatibility: The conferencing system for Unified Communications following the BYOD (Bring-Your-Own-Device) philosophy
- Excellently microphone directivity thanks to state-of-the-art beam-forming technology, realized in proven Sennheiser quality
- Very low configuration and maintenance effort

The new conference system TeamConnect Ceiling blends into any conference room infrastructure. Thanks to three optional installation variations, the ceiling microphone can be installed in or on any ceiling while the central unit is hidden away in the cabinet and the loudspeakers are mounted freely in the room. Because of this, the tables remain free from cables and there are no requirements of a fixed table positioning. The ceiling microphone covers up to 60 m<sup>2</sup>. For larger groups the system can be easily expanded with additional ceiling mics. After initial installation, the system requires little to no additional maintenance.

### PRODUCT VARIANTS

TeamConnect Ceiling EU	Art. no. 506975
TeamConnect Ceiling UK	Art. no. 506976
TeamConnect Ceiling US	Art. no. 506977



### DELIVERY INCLUDES

- SL Ceiling Mic ceiling microphone
- TeamConnect System (EU, UK or US) with Central Unit and Combox
- 2x SL Loudspeaker 52 A W active conference loudspeaker
- Power supply unit with EU, UK or US power supply cord
- Cable set (audio, power and control cable, 10 m each, plenum-rated)
- Ceiling suspension kit
- US 2 ft adaptor set
- Mounting instructions

### ACCESSORIES

SL CM FB	Ceiling fixation bracket	Art. no. 506846
----------	--------------------------	-----------------



# TeamConnect Ceiling

## Ceiling microphone conference system

### SPECIFICATIONS

#### SL Ceiling Mic

Dimensions (L x W x H)	590 x 590 x 43 mm (23.2" x 23.2" x 1.7")
Weight	6 kg (13.2 lbs)
AUDIO I and AUDIO II sockets	2 x 3-pin terminals (fits Phoenix Contact MCVW 1.5-3-ST-3.81)
POWER socket	4-pin terminal (fits Phoenix Contact MCVW 1.5-3-ST-3.81)
CONTROL socket	6-pin terminal (fits Phoenix Contact MCVW 1.5-3-ST-3.81)
Supply voltage	20 – 28 V DC
Power consumption	20 W
Temperature	Operation: 0 – 40 °C (32 – 104 °F) Storage: -10 – 60 °C (14 – 140 °F)
Relative humidity	20 – 95 %, non-condensing
Microphone type	pre-polarized condenser microphone
Sensitivity	-1 dBV/Pa (930 mV/Pa)
Equivalent noise level	20 dB(A)
Number of KE 10-237 microphone capsules	29
Pick-up pattern	Beam pattern
Max. sound pressure level	119 dB SPL
Dynamic range	99 dB(A)

#### SL TeamConnect CU1

Dimensions (W x H x D)	432 x 191 x 51 mm (17" x 7.5" x 2")
Weight	2.25 kg (4.5 lbs.)
MIC / LINE inputs 1-8	
Impedance	10 kΩ balanced
Maximum level	-65 dBu to +17 dBu
Phantom power	24 V DC at 10 mA
LINE inputs 1-2	
Impedance	10 kΩ balanced
Maximum level	17 dBu
LINE OUT outputs 1-8	
Impedance	50 Ω
Nominal level	0 dBu
Maximum level	17 dBu

#### SL TeamConnect CBI

Dimensions (W x H x D)	119 x 143 x 44 mm (4.7" x 5.6" x 1.7")
Weight	1.51 lbs. (0.75 kg)
Frequency response	40 to 3,300 Hz THD
Noise	< 0.04 % re-max level with 0 dB gain at 1 kHz
Dynamic range	> 84 dB (non A-weighted)

#### SL Loudspeaker 52 A W

Dimensions (L x W x H)	240 x 140 x 161 mm (9.5" x 5.5" x 6.3")
Weight	3.1 kg (6.8 lbs)
Frequency response ± 3 dB	53 - 30,000 Hz
Max. SPL at 1 m (150 - 5,000) Hz	97 dB SPL
THD at 90 dB SPL at 1 m > 200 Hz	< 1 %
Input impedance	balanced > 10 kΩ unbalanced > 10 kΩ
Power consumption (stand-by)	230 V AC; 0.47 W / 110 V AC; 0.34 W
Power consumption (idle)	230 V AC; 4.75 W / 110 V AC; 4.53 W
Power consumption (max)	230 V AC; 95 W / 110 V AC; 91 W
Mounting points	2 x M6 on rear panel with depth 10mm



# TeamConnect Ceiling

## Ceiling microphone conference system

### ARCHITECT'S SPECIFICATION

A complete professional ceiling microphone conference system for fixed installation in medium to large conference rooms where table microphones are not desirable or possible, comprised of a central unit, a combox, a ceiling microphone and two active loudspeakers. The ceiling microphone shall fit within the space of a standard 600 mm (2 ft.) ceiling panel and shall be mountable either onto or flush with the ceiling itself.

The ceiling microphone shall consist of 29 Sennheiser KE 10-237 pre-polarized condenser microphone capsules and shall use beamforming technology that automatically focuses on whoever is speaking in the room. The microphone shall be supplied complete with a ceiling suspension kit for ceiling installation, an external power supply unit with 3 country-specific mains cables, a power cable for connection to the external power supply unit, an audio cable for connection to the central unit, and a control cable for connection to the SL TeamConnect CB1. The microphone shall have a 4-pin terminal socket for connecting the power cable, two 3-pin terminal sockets for connecting the audio cable and a 6-pin terminal socket for connecting the control cable.

In addition, the microphone shall feature the following sockets, buttons and LEDs located behind a service hatch: an RJ-45 network socket for connecting a computer for configuration purposes, a SET LED that flashes when the microphone is ready for operation, an IP button for switching between a static IP (192.168.1.10) and the microphone's integrated DHCP server, an IP LED that lights up for static IP and flashes for DHCP IP addressing, a Reset button for performing a restart of the microphone, and a Reset LED that lights up when mains voltage is present. The microphone sensitivity shall be -1 dBV/Pa (930 mV/Pa). The maximum sound pressure level shall be 119 dB SPL, equivalent noise level shall be 20 dB(A). The dynamic range shall be 99 dB(A). Operating voltage shall range from 20 to 28 V DC. The power consumption shall be 20 W. The microphone shall be compatible with the SL Ceiling Mic Configuration Manager software for easy configuration.

The microphone shall be the Sennheiser SL Ceiling Mic.

The central unit shall be an automatic mixer for professional quality audio in multiple microphone web and teleconferencing applications. It shall provide advanced mixing capabilities and configuration options. All devices used in the system shall be connected, directly or indirectly, to the central unit. The central unit shall be equipped with a TELCO telephone interface. An Ethernet port shall be provided for network connections. The central unit shall feature an RS-232 control port for connecting a third party media control system (Creston, AMX, etc.). The central unit shall have a USB 2.0 port for connecting a PC for configuration purposes and shall also be configurable via the RS-232 port or the network (Ethernet port). The required "Configuration Manager" PC software for configuring the central unit and all other components shall be supplied. The central unit shall feature eight mic/line inputs (each with 24V switchable phantom power), two additional line inputs and eight audio outputs for connecting e.g. active loudspeakers. The central unit shall support mono and stereo acoustic echo cancellation, i.e. one or two out of the eight outputs shall be selectable as the acoustic echo cancellation reference. The connection between the central unit and the combox shall be made by means of a standard CAT5 cable.

The central unit shall be the Sennheiser SL TeamConnect CU1.

The combox shall be "plug and play" (no drivers required) and shall be the system's audio interface, allowing the system to be used as an audio extension. The combox shall be used to process computer audio as well as headset or enterprise telephone audio in the system. The USB 2.0 port of the combox shall allow the connection of a PC. Via the combox, the system shall be capable of playing back all audio from the PC (e.g. web conferences, any audio and video content) as well as picking up and processing the audio in the meeting room and feeding it back to the PC. In addition, any device with a 4-pin 3.5 mm jack socket (e.g. a mobile phone or tablet PC) shall be connectable to the combox's headset socket via a 4-pin special cable, thus allowing audio from the mobile device to be processed in the system. The combox shall be the Sennheiser SL TeamConnect CB1. The loudspeaker shall be active and optimized for speech intelligibility. Its high, medium and low frequency levels shall be adjustable in order to obtain optimum sound quality depending on the mounting position of the speaker and the room characteristics. The loudspeaker shall have 2 power modes: on and auto standby. The loudspeaker's high pass filter shall be adjustable to 50 Hz, 70 Hz or 100 Hz. The input sensitivity shall be selectable between -6 dBu, 0 dBu or +10 dBu. The loudspeaker shall come complete with a wall mounting kit and, when wall mounted with the supplied spacers, shall be pivotable by 180° and tiltable. Up to eight loudspeakers shall be connectable to the central unit.

The loudspeaker shall be the Sennheiser SL Loudspeaker 52 A W.

Dimensions shall be as follows: central unit: 432 x 191 x 51 mm (17" x 7.5" x 2"); combox: 119 x 143 x 44 mm (4.7" x 5.6" x 1.7"); loudspeaker: 240 x 140 x 161 mm (9.45" x 5.51" x 6.34"); ceiling microphone: 590 x 590 x 43 mm (23.2" x 23.2" x 1.7"). Approximate weights shall be as follows: central unit: 2.25 kg (4.5 lbs.); combox: 0.75 kg (1.51 lbs.); loudspeaker: 3.1 kg (6.83 lbs.); ceiling microphone: 6 kg (13.2 lbs.).

The ceiling microphone conference system shall be the Sennheiser TeamConnect Ceiling.

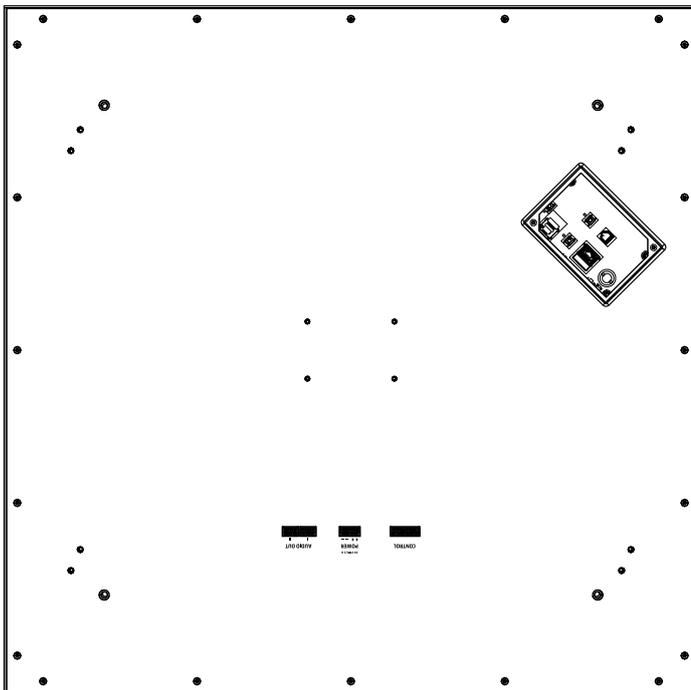
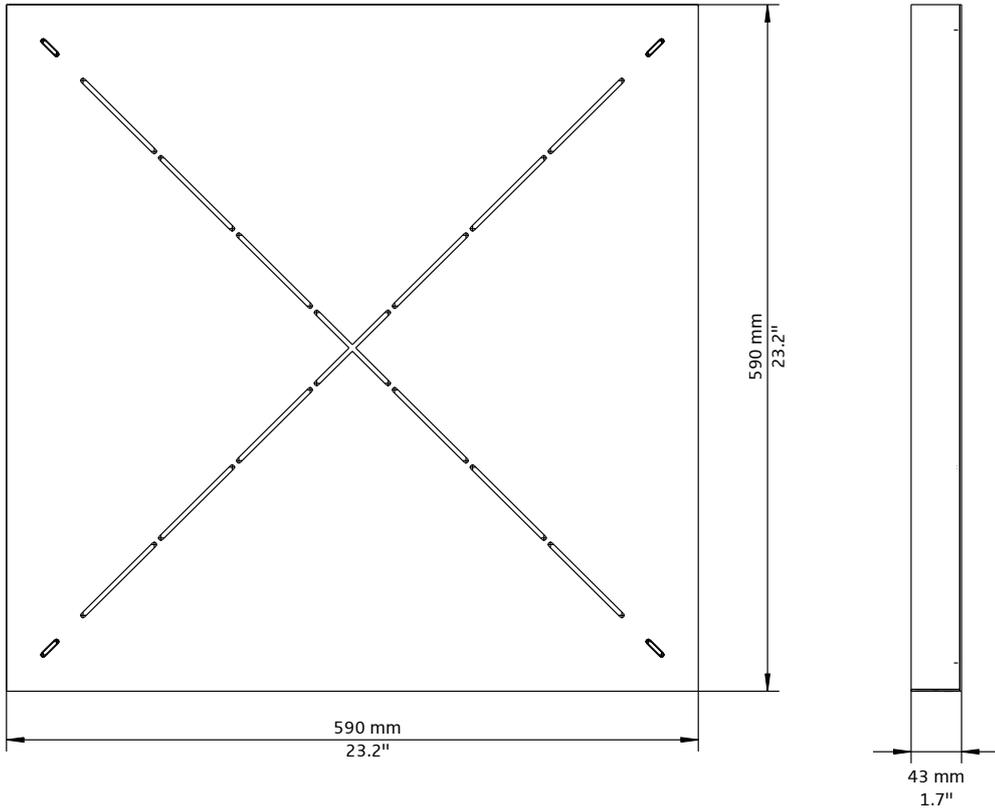


# TeamConnect Ceiling

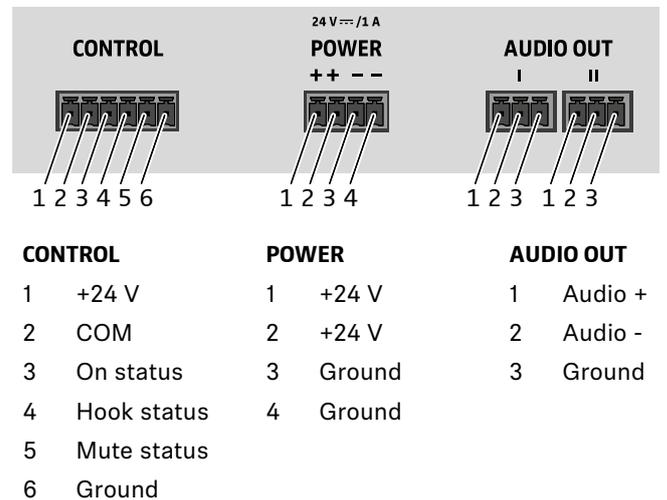
## Ceiling microphone conference system

### DIMENSIONS

#### SL Ceiling Mic



### PIN ALLOCATION







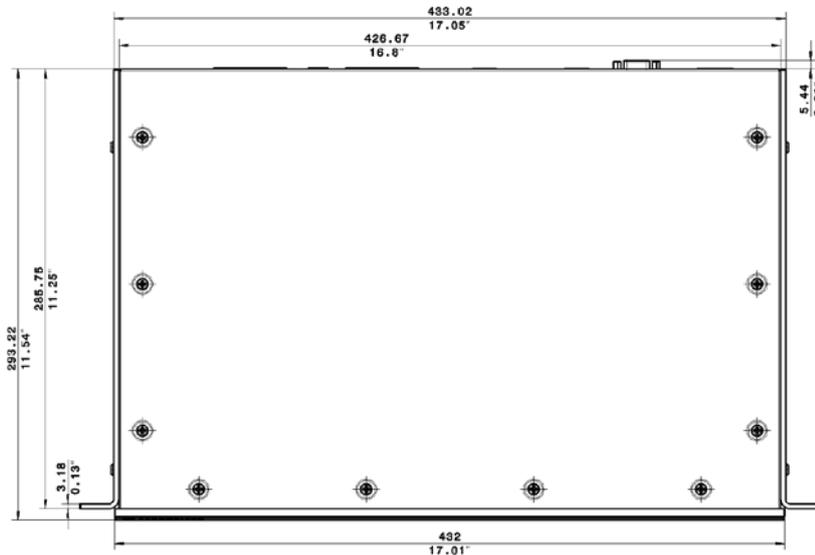
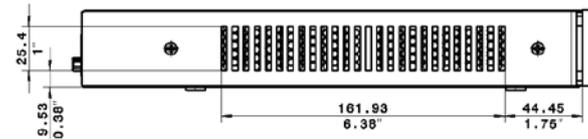
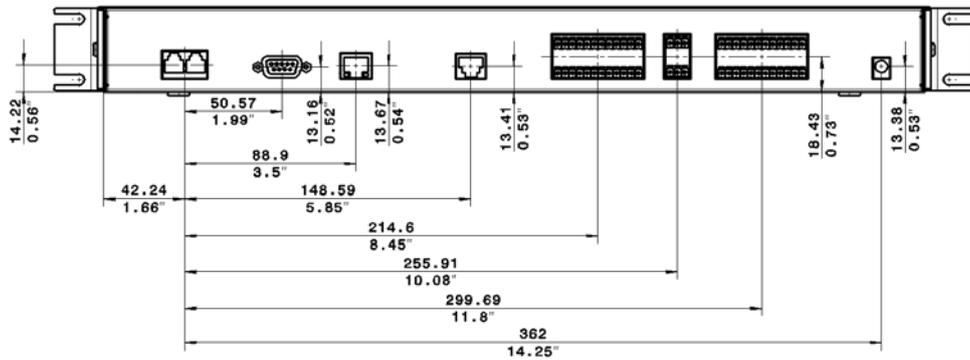
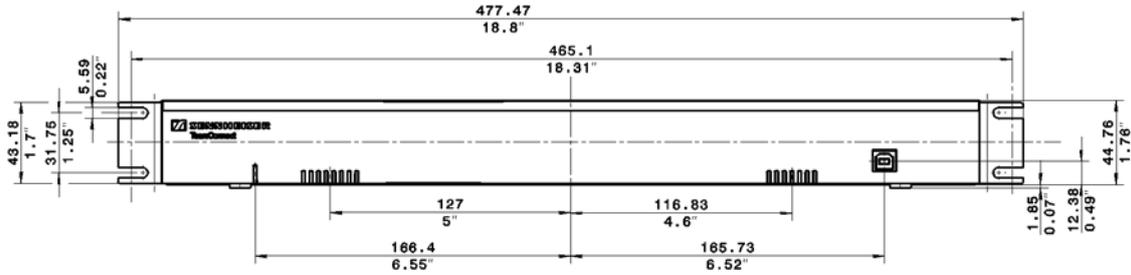


# TeamConnect Ceiling

## Ceiling microphone conference system

### DIMENSIONS

#### SL TeamConnect CU1



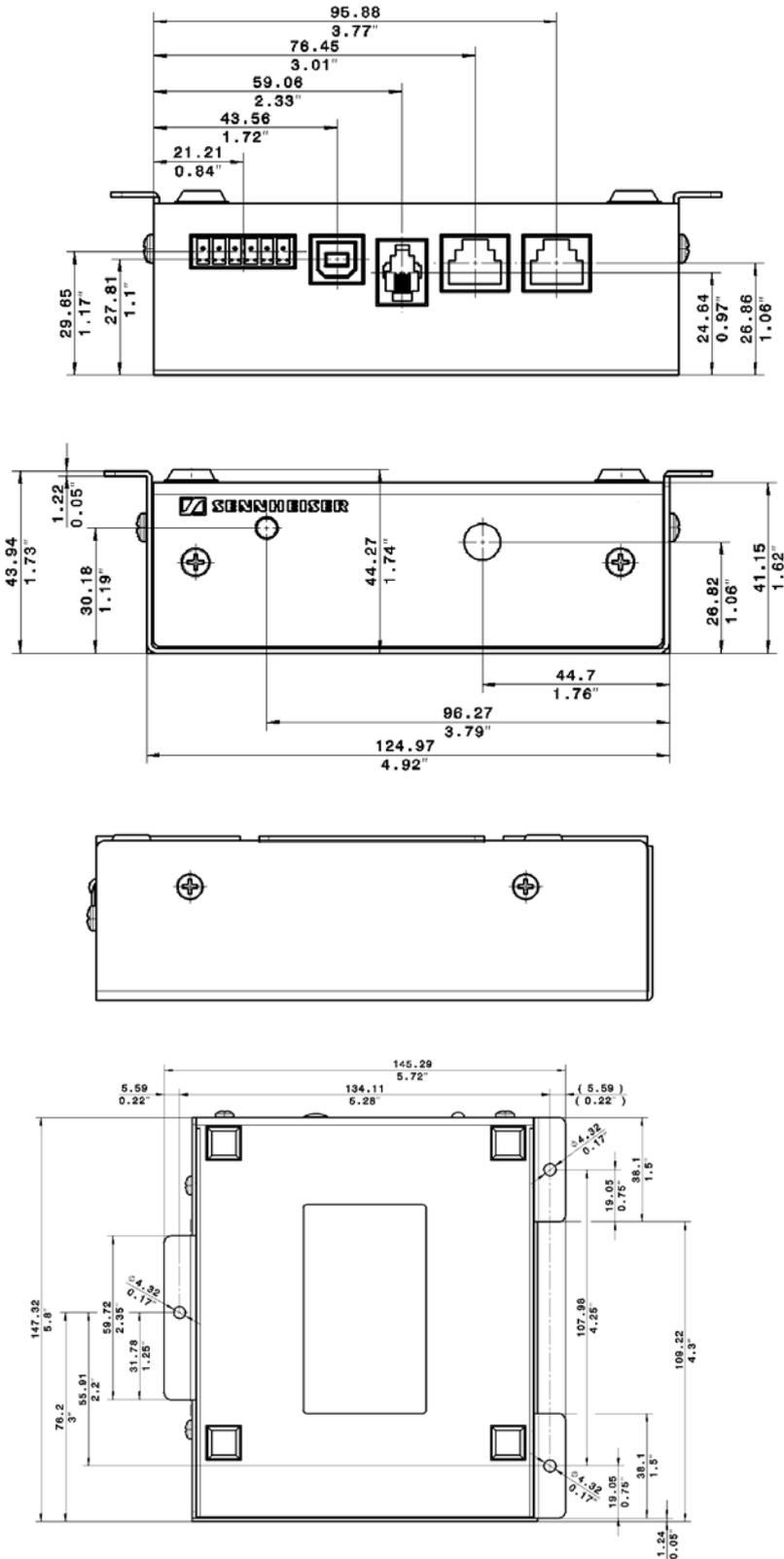


# TeamConnect Ceiling

## Ceiling microphone conference system

### DIMENSIONS

#### SL TeamConnect CB1





# TeamConnect Ceiling

## Ceiling microphone conference system

### DIMENSIONS

#### SL Loudspeaker 52 A W

