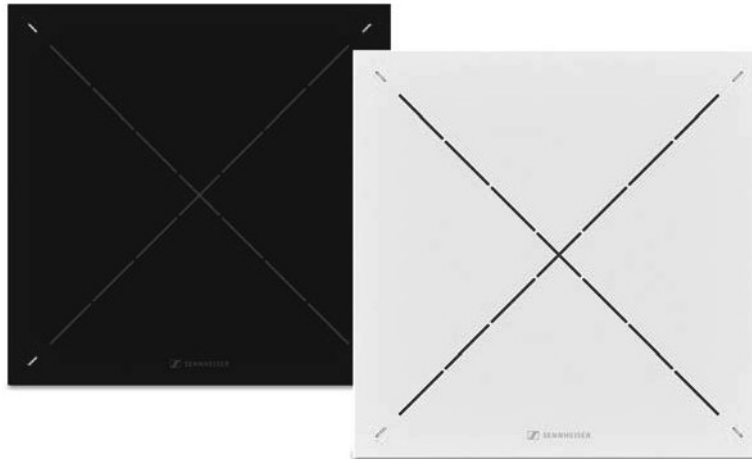




# TeamConnect Ceiling 2

## Ceiling microphone array (Firmware $\geq 1.8.10$ )



With a coverage of up to 80 m<sup>2</sup>, there's still no better solution for larger meeting rooms and lecture or collaboration spaces than our industry-leading TeamConnect Ceiling 2 (TCC 2) ceiling microphone.

With its functional square form the TeamConnect Ceiling 2 gracefully integrates into the design of modern meeting rooms – simply by replacing a ceiling tile.

Like the TeamConnect Ceiling Medium, the TCC 2 is a real problem-solver that allows cable free tables and flexible furniture arrangement, while offering all of the TeamConnect Ceiling Solutions benefits like Trusted Sennheiser Audio Quality, efficient setup, brand agnostic integration, simple management and control, a sleek design and a sustainable impact.

### VARIANTS

| Description                  | Art. no. |
|------------------------------|----------|
| TeamConnect Ceiling 2 White  | 507488   |
| TeamConnect Ceiling 2 Black  | 509161   |
| TeamConnect Ceiling 2 US KIT | 509178   |

### ACCESSORIES

| Article      | Description                                     | Art. no. |
|--------------|-------------------------------------------------|----------|
| SL CM FB     | Ceiling mounting frame                          | 506846   |
| SL CM EB US  | Extension brackets<br>(for 2 ft ceiling grid)   | 508528   |
| SL CM EB 625 | Extension brackets<br>(for 625 mm ceiling grid) | 508290   |
| SL CM SK     | Ceiling suspension kit                          | 508291   |
| SL CM VB     | VESA adapter                                    | 508620   |

### FEATURES

- Patented automatic dynamic beamforming
- TruVoicelift
- 28 Electret condenser capsules, made in Germany
- Perfect speech intelligibility
- Dante or Analog Output
- PoE
- Certified for: MS Teams, Zoom, DingTalk and Tencent
- Exclusion Zones
- Priority Zone
- Camera Control via talker position data
- IEEE 802.1x
- 5 years warranty (with registration)



### DELIVERY INCLUDES

- TeamConnect Ceiling 2 ceiling microphone array
- 3-pin Phoenix Connector (3.81 mm)
- 8 self-adhesive rubber feet
- 2 eye bolts (M4x10)
- Instruction manual
- Supplement sheet with manufacturer declarations

### CONTROL SOFTWARE

#### Sennheiser Control Cockpit

free download at:

[www.sennheiser.com/control-cockpit-software](http://www.sennheiser.com/control-cockpit-software)





# TeamConnect Ceiling 2

## Ceiling microphone array (Firmware $\geq 1.8.10$ )

### PORT-INFORMATION

#### Application layer

| Port | Protocol | Service            |
|------|----------|--------------------|
| 443  | HTTPS    | Web UI             |
| 443  | HTTPS    | SSC update service |

#### Product

Sennheiser Control Cockpit  
Sennheiser Control Cockpit

#### Transport layer

| Port | Protocol | Service                      |
|------|----------|------------------------------|
| 22   | SCP/SSH  | Certificate management       |
| 22   | SCP/SSH  | SCP Firmware update          |
| 45   | UDP/TCP  | SSC Sound Control Protocol   |
| 5353 | UDP      | mDNS (Multicast 224.0.0.251) |

#### Product

TeamConnect Ceiling 2  
TeamConnect Ceiling 2  
TeamConnect Ceiling 2  
TeamConnect Ceiling 2

### INSTALLATION VARIANTS

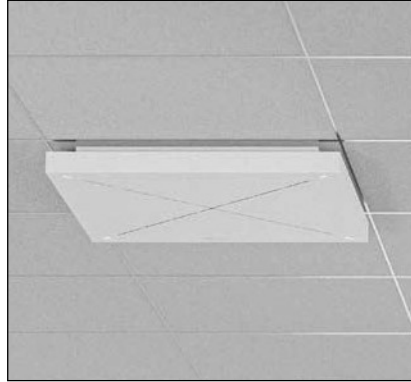


#### Variant 1

installed flush in a dropped/coffered ceiling (600 x 600 mm)

Accessories:

**SL CM EB US** (590 mm to 2 ft) or  
**SL CM EB 625** (590 mm to 625 mm)  
angle brackets

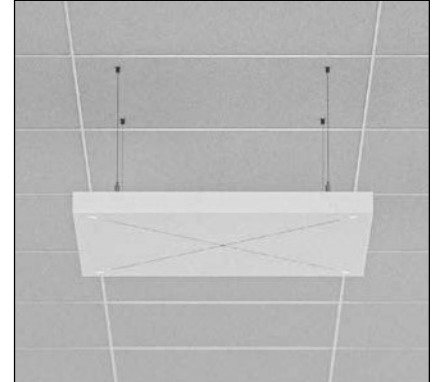


#### Variant 2

mounted directly below the ceiling

Accessories:

**SL CM FB** Ceiling mounting frame



#### Variant 3

suspended from the ceiling

Accessories:

**SL CM SK** Ceiling suspension set



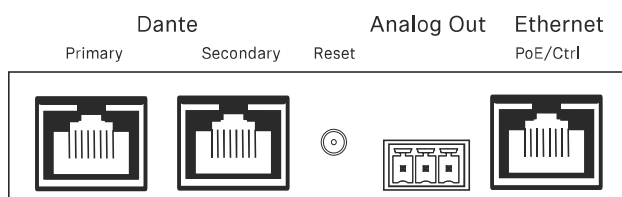
# TeamConnect Ceiling 2

## Ceiling microphone array (Firmware $\geq 1.8.10$ )

### SPECIFICATIONS

| Product properties     |                                                                                                                               | Acoustic properties                   |                                    |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|
| Dimensions (L x B x H) | 590 x 590 x 43 mm                                                                                                             | Transducer principle                  | Pre-polarized condenser microphone |
| Weight                 | 5670 g (12.5 lbs)                                                                                                             | AF frequency response                 | 160 Hz - 18.000 Hz                 |
| Audio Output           | 1 x 3-pin terminal (fits Phoenix contact MCVW 1.5-3-ST-3.81)<br>2 x Digital Dante Network Audio (RJ-45 Primary and Secondary) | Sensitivity                           | 0 dBV/Pa (988 mV/Pa)               |
| Ethernet / Control     | 1 x RJ-45 Ethernet Port for PoE power supply and data/control communication                                                   | Signal-to-noise ratio                 | 83 dB (A)                          |
| Supply voltage         | 44 – 57 V DC<br>PoE IEEE 802.3af Class 3                                                                                      | Latency                               | 4 ms                               |
| Power consumption      | max. 8.8 W                                                                                                                    | Equivalent noise level                | 11 dB (A)                          |
| Safety certification   | UL 62368 certification (including UL 2043 testing and compliance)                                                             | Number of KE 10-237 mikrofon capsules | 28                                 |
| Ambient conditions     |                                                                                                                               | Pick-up pattern                       | Beam Pattern                       |
| Temperature            | Operation: 0 - 40°C (32 - 104 °F)<br>Storage: -10 - 60°C (14 - 140 °F)                                                        | Max. sound pressure level             | 104 dB SPL                         |
| Relative air humidity  | 20 - 95 %, non-condensing                                                                                                     | Dynamic range                         | 93 dB (A)                          |

### CONNECTIONS AND OPERATING ELEMENTS



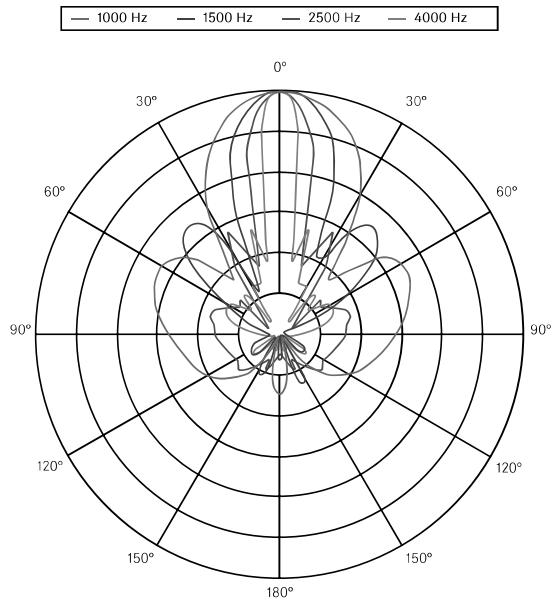
|                   |                                                                                |
|-------------------|--------------------------------------------------------------------------------|
| <b>Dante</b>      | Dante™ interface with two RJ 45 sockets<br><b>Primary</b> and <b>Secondary</b> |
| <b>Reset</b>      | Factory reset switch                                                           |
| <b>Analog Out</b> | 3-pin terminal for analog audio out                                            |
| <b>Ethernet</b>   | RJ 45 socket for network control and PoE                                       |



# TeamConnect Ceiling 2

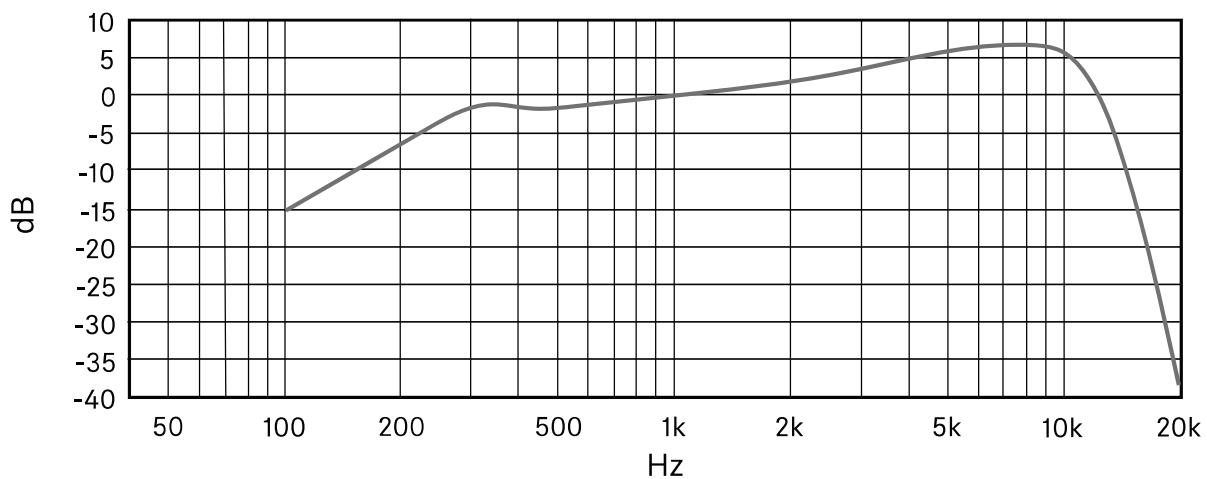
## Ceiling microphone array (Firmware $\geq 1.8.10$ )

### POLAR PATTERN



### FREQUENCY RESPONSE

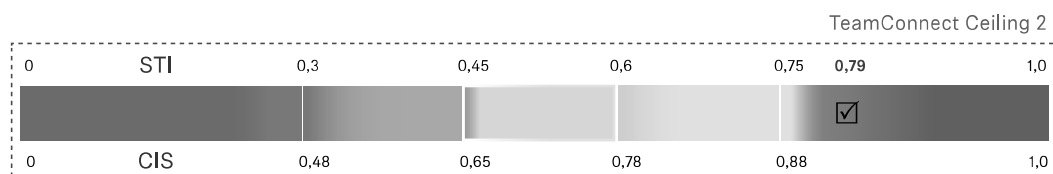
Frequency response measured directly on-axis at a distance of 2.90 m.



### SPEECH TRANSMISSION INDEX (STI)

Room conditions: RT60 = 430 ms @ 1 kHz  
at room noise level (weighted) = 40 dB(A) SPL (according to IEC 60268-16)

STIPA: 0.79



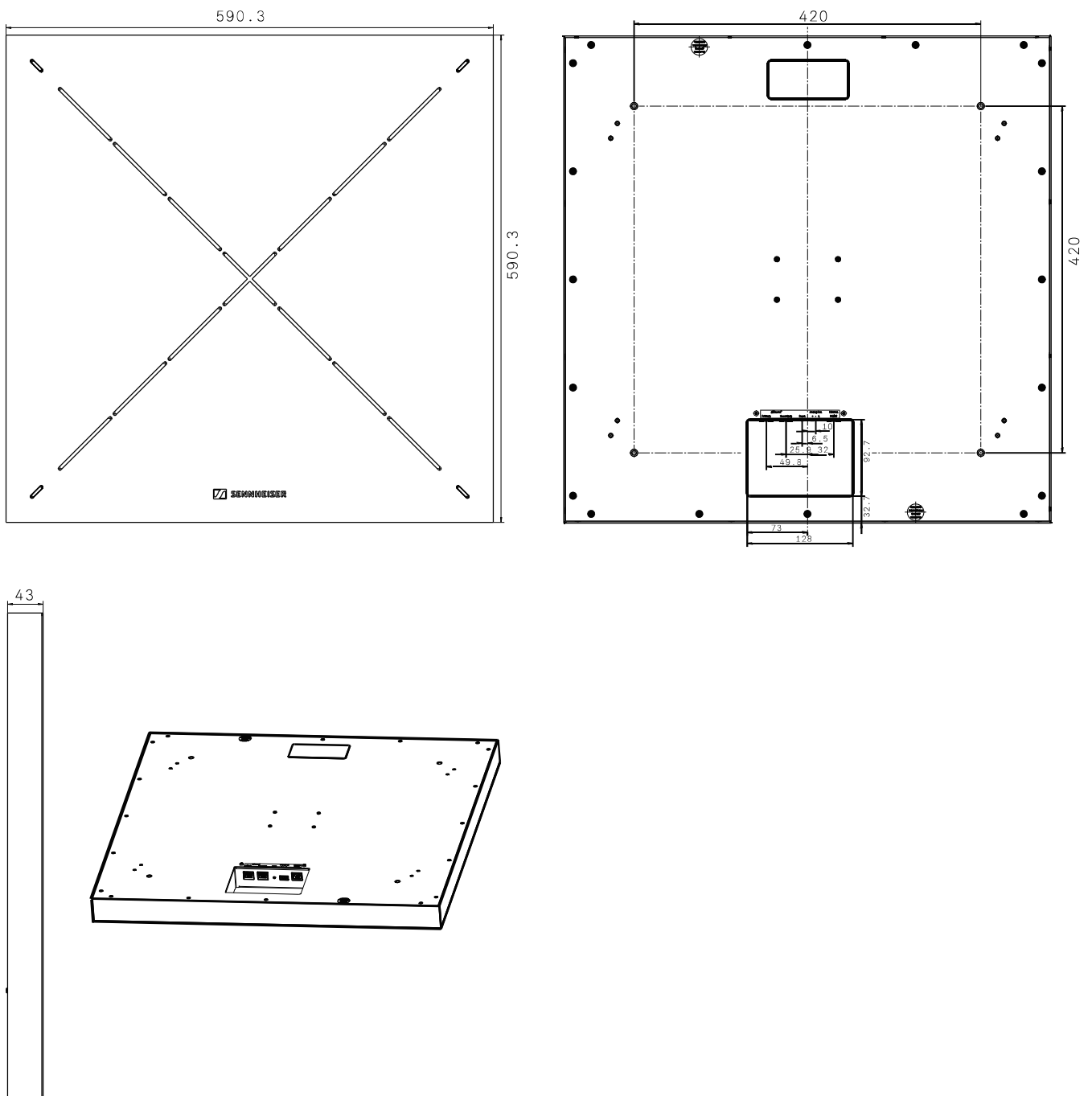


# TeamConnect Ceiling 2

## Ceiling microphone array (Firmware $\geq 1.8.10$ )

### DIMENSIONS

#### TeamConnect Ceiling 2



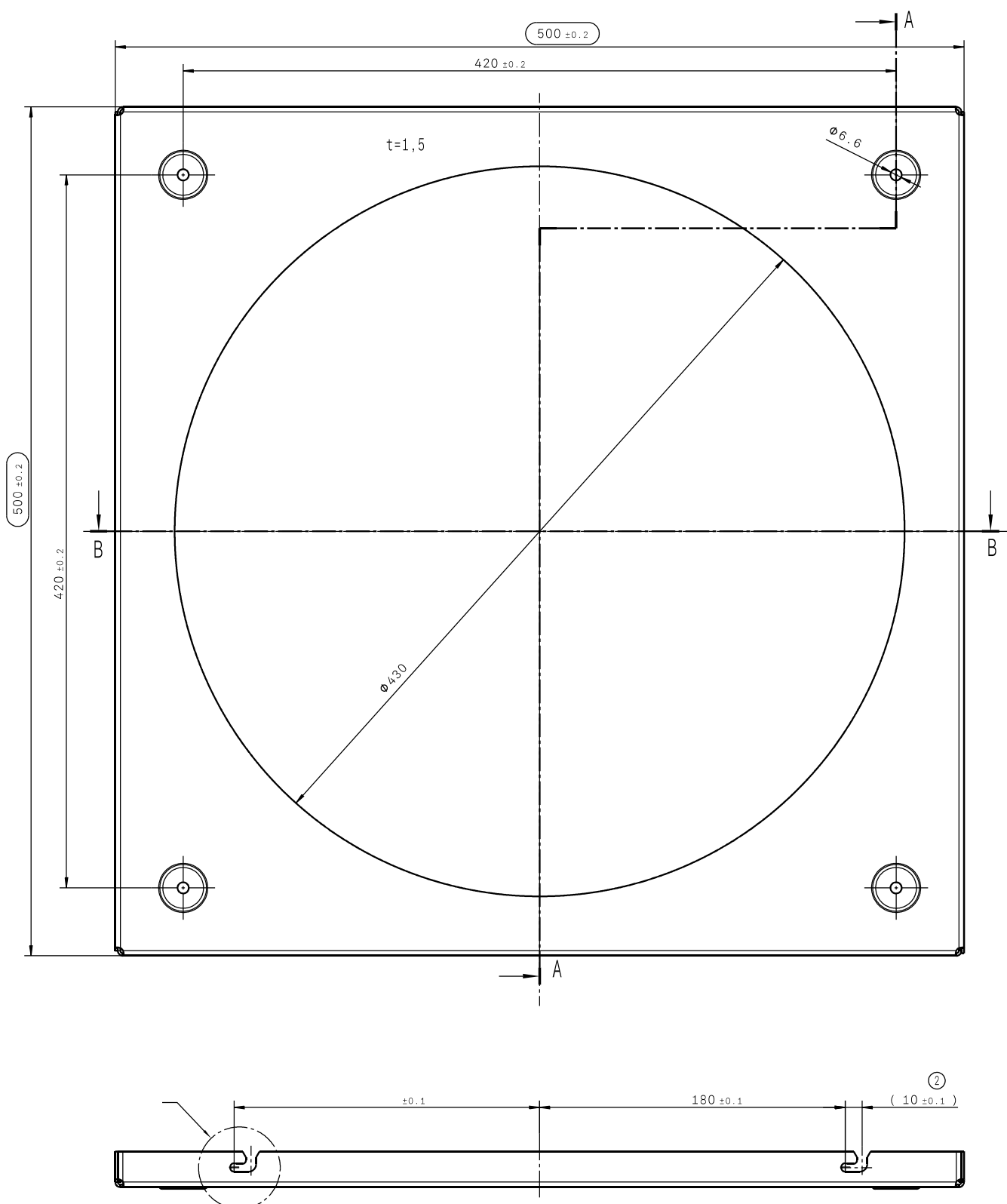


# TeamConnect Ceiling 2

## Ceiling microphone array (Firmware $\geq 1.8.10$ )

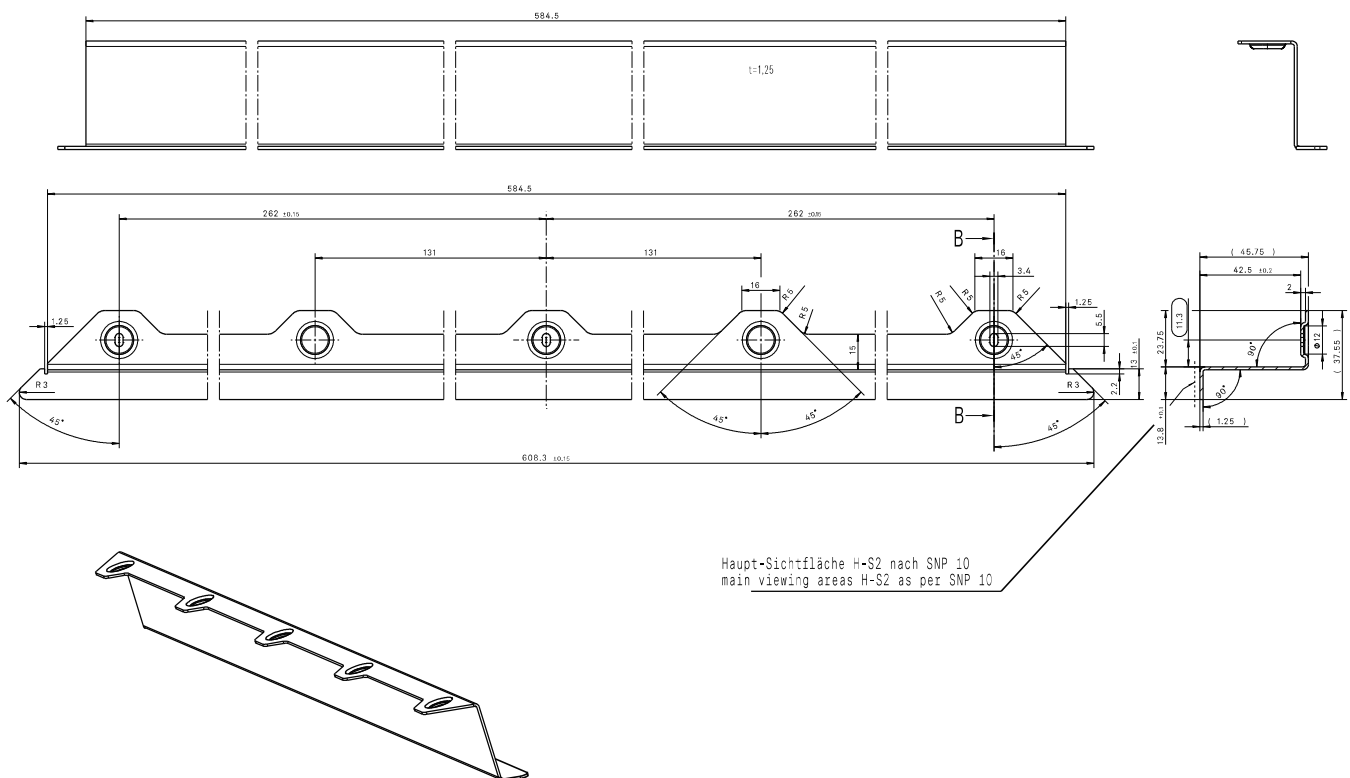
### DIMENSIONS

#### SL CM FB - Mounting bracket (Surface)





### SL CM EB US - Extension brackets 2 ft (609.6 mm)

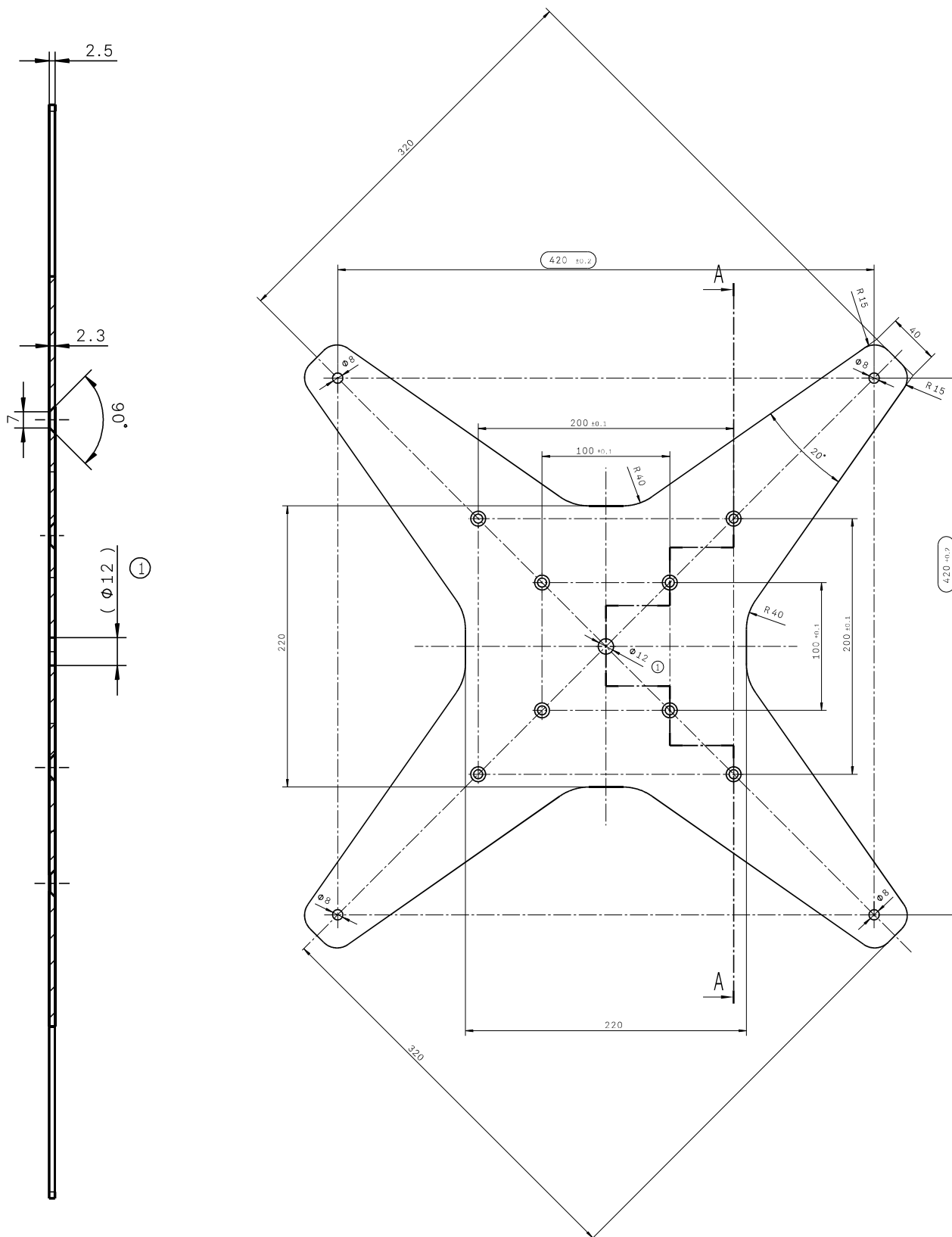


## TeamConnect Ceiling 2

### Ceiling microphone array (Firmware $\geq$ 1.8.10)

## DIMENSIONS

### SL CM VB - VESA adapter





## TeamConnect Ceiling 2

### Ceiling microphone array (Firmware $\geq$ 1.8.10)

#### ARCHITECT'S SPECIFICATION

The ceiling mounted microphone array shall be designed for fixed installation in medium to large conference rooms. The microphone array 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. Several mounting accessories shall be available, including a ceiling suspension kit, a ceiling fixation bracket as well as mounting brackets for US size ceiling panels and for 625 mm ceiling panels. Additionally, a VESA adapter shall be available for all standard 100 mm and 200 mm VESA mounting material.

The microphone array shall consist of 28 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 beam will automatically detect the position of the person speaking and will follow the person around the room at all times. A threshold for the detection shall be adjustable. Live monitoring of the horizontal and vertical angle of the position shall be available in the Sennheiser Control Cockpit control software.

The microphone array shall have a Dante™ interface with two RJ 45 sockets (Primary and Secondary) for digital audio output, supporting both redundant and daisy-chain modes. The microphone array shall also feature a 3-pin terminal for analog audio output, which is compatible with Phoenix contact MCVW 1.5-3-ST-3.81 connectors.

In addition, the microphone array shall have an RJ 45 Ethernet socket for network control and easy configuration and monitoring using the Sennheiser Control Cockpit control software. The RJ 45 Ethernet socket shall also support Power over Ethernet, using the PoE IEEE 802.3af Class 3 standard.

802.1X network configuration shall be possible via SSH protocol.

The microphone array shall feature a reset button for restoring the factory settings.

The microphone sensitivity shall be 0 dBV/Pa (988 mV/Pa). The maximum sound pressure level shall be 104 dB SPL. The dynamic range shall be 93 dB(A).

The microphone dimensions (L x W x H) shall be 590 x 590 x 43 mm (23.2" x 23.2" x 1.7"), weight shall be 5670 g (12.5 lbs). The operating temperature shall range from 0 °C to +40 °C (+32 °F to +104 °F). The storage temperature shall range from -10 °C to 60 °C (14 °F to 140 °F). The microphone array shall be tested according to UL 2043 rating.

The microphone array shall be the Sennheiser TeamConnect Ceiling 2.