

CCSE-CU Control unit

CCS 700



The CCS700 Ultro Discussion System is suitable for use in meetings and conference venues with a limited number of participants.

The Control Unit (CU) is the heart of the CCS700 Ultro Discussion System and supplies the power for all delegate and chairman units in the system. The unit also controls the chairman and delegate unit microphones, as well as providing interfaces for external audio equipment. The CCS700 discussion system is a plug and play solution for the audio conference requirements.

Functions

The CCSE-CU supports almost any kind of small or medium meeting. For business discussions and small conferences, two to six microphones can be active simultaneously, with the chairman always having speaker priority. The active microphone selection knob on the rear panel can be used to select the number of active participants. Unused microphones are switched off automatically after 65 seconds if delegates forget to switch off their units.

Supplies power for up to 50 Discussion units

The CU has two trunk outputs for the loop through connection of discussion units. It is possible to connect a maximum of 25 discussion units to each trunk output in open loop configuration. Maximum trunk length supported by CU is 100m in open loop configuration. For closed loop configuration with 50 discussion units the loop length can be extended up to 200meter. A maximum of 50 discussion units can be connected to a CU.

- ▶ Better discussion control
- ▶ Controls up to 50 Discussion units
- ▶ 3-Band equalizer for better sound performance
- ▶ Audio interfaces for connecting external audio equipment

Better sound

The conference controller has a 3-band equalizer for tuning sound output of the system. This helps in quickly tuning the system to compliment the hall acoustics at different venues. This ensures optimum performance at all times.

Audio Interfaces

The CU can be interfaced with different type of devices like external audio recorder, sound reinforcement system, external microphones and external music player. The headphone output on the front of the CU can be used by a secretary for taking the minutes of the meeting, the headphone output also has a volume control knob to adjust the volume of the headphone.

To support external participants (during town-council meetings, for example), extra microphones in any style (wired, wireless, handheld or podium) can be connected to the system through mic inputs.

Controls and Indicators

- Equalizer comprising of knobs at 250Hz, 2kHz and 8kHz
- Volume control for Mic 1 input
- Volume control for Mic 2 / Aux input
- Headphone input and volume control
- Master volume control
- Sliding switch for Equalizer On/Off
- Sliding switch to enable or disable the priority tone for chairman units
- Number of Active microphone control knob

Interconnections

- Trunk input and output 8-pin DIN connectors for loop through connection

- Microphone input with XLR connector
- Configurable Mic or Aux input with 6.5mm phono jack
- Cinch connectors for connecting to external PA system and recorder
- Earth connection screw
- Mains socket

Regulatory information

Safety	acc. to EN 60065
EMC emission	acc. to EN 55103-1
EMC immunity	acc. to EN 55103-2

Installation/configuration notes

This is a professional product that should be installed, used and maintained by trained professionals only.

Parts included

Quantity	Component
1	CCSE-CU CCS700 Conference Control unit
1	Installation and operation manual
1	Power cord

Technical specifications

Electrical

Input voltage (VAC)	230 VAC
Power frequency	50 Hz (± 10 %)
Input voltage (VDC) to contribution units	24 VDC, ± 1 VDC
Total harmonic distortion + noise (%)	< 1%
Minimum signal-to-noise ratio (dB) (PA Output / RED out)	-50 dB @ rated output, unweighted filter
PA Output impedance (Ω)	1,000 Ω
REC out Output impedance (kΩ)	1 kΩ

Inputs

Represented by:

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
www.boschsecurity.com/xc/en/contact/
www.boschsecurity.com

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Platz 1
D-70839 Gerlingen
www.boschsecurity.com

North America:
Bosch Security Systems, LLC
130 Perinton Parkway
Fairport, New York, 14450, USA
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
www.boschsecurity.com/xc/en/contact/
www.boschsecurity.com

Input sensitivity (mV) (microphone)	1 mV (+1 / -3dB)
Input sensitivity (mV) (AUX)	100 mV (+1 / -3dB)
Frequency response (Hz)	200 Hz – 12,000 Hz
Input impedance (kΩ)	4.7 kΩ

Equalizer

Center frequencies of filters	250 Hz; 2 kHz; 8 kHz
Filter bandwidth (oct)	1 oct
Boost/Cut at center frequencies (dB)	+6 dB—-6 dB
Equalizer transfer gain (dB)	± 1 dB

Mechanical

Dimensions (H x W x D) (mm)	88 mm x 361 mm x 252 mm
Weight (kg)	5.50 kg
Color	Gray

Environmental

Operating temperature (°C)	-5 °C – 45 °C
Storage temperature (°C)	-40 °C – 70 °C

Ordering information

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Control unit
Order number **CCSE-CU | F.01U.294.074**