

CCS 1000 D Digital Discussion System

Compact yet versatile



BOSCH

Invented for life



Designed for **plug-and-play, ease-of-use,** and **highly productive meetings**

- ▶ Excellent speech intelligibility with built-in Digital Acoustic Feedback Suppression
- ▶ Built-in audio recording on internal memory and/or USB memory stick
- ▶ On-board support for automatic HD camera control
- ▶ Advanced configuration and control via built-in web browser
- ▶ “Energy saving mode” for automatic switch-off after two hours of inactivity
- ▶ Up to 245 Discussion Devices

Compact yet versatile

Known for world-class conference system solutions, Bosch introduces the compact yet highly versatile CCS 1000 D Discussion System. Designed and developed by Bosch experts in Europe, the system makes it extremely easy to manage meetings and is ideal for small to large sized meeting areas such as town halls, local business centers and courtrooms. The CCS 1000 D Discussion System is easy to set up, easy to use, and is designed to ensure highly productive meetings.

Excellent speech intelligibility

The system delivers excellent speech intelligibility thanks to advanced digital audio processing and superior microphone and loudspeaker performance. The loudspeaker and the microphone are activated simultaneously to create a more natural face-to-face meeting feel, encouraging participants to more easily take part in the meeting. The system also utilizes built-in Digital Acoustic Feedback Suppression (DAFS) so you can reach higher volumes without causing any ‘howling’ effect. The result? Every word spoken is understood by all participants, and productivity is optimized in every meeting.



The system's extreme ease-of-use makes it ideal for first-time users. No operator, no additional equipment, and no training are required.



The CCS 1000 D Discussion System is ideal for small to large meeting areas such as town halls, local business centers and courtrooms. Its highly versatile feature set means that chairpersons enjoy effortless meeting control, and participants enjoy free-flowing, highly productive meetings.



Discussion Devices

Exclusive aesthetics – solid reliability

The CCS 1000 D Discussion System is designed in Europe by one of the best product design teams in the industry and is exclusively registered to Bosch. Its eye-catching aesthetics complement any interior - from new, ultra-modern buildings to traditional, centuries-old structures. In addition, thanks to superior materials selection, the Discussion Devices are robust and solid - reflecting the high reliability for which Bosch systems are renowned.



The microphones, specially designed by Bosch, deliver excellent speech intelligibility.

Elegant, highly stable casing with built-in loudspeaker, delivers great acoustical performance.

Clear LED indication informs meeting participants when it is possible to speak (white), when they are in the queue (green), and when their microphone is 'On' (red).



Headphone socket with built-in volume control.

All Discussion Devices are delivered with a single large button for meeting participants. It takes just a few seconds to change it into a two-button chairperson's device. This interchangeability simplifies inventory.

Control Unit



Advanced configuration and meeting control is possible via a tablet and the system's built-in web browser. Also, thanks to the system's on-board support for automatic camera control, everyone can see who is talking.



On-board support for automatic camera control.

Built-in web browser for advanced set-up and meeting control via a tablet.

Language independent touch button control.

Built-in Digital Acoustic Feedback Suppression.

Built-in recording facility for internal and external recording



Compact discussion management

The Control Unit is the heart of the system - powering the Discussion Devices, controlling the cameras, and interfacing with external equipment such as a sound reinforcement or public address systems. Its compact design and stylish touch-button control, makes it look perfect on the tabletop, but it can also easily fit as a rack-mounted device.

Simple control with convenient recording

The front panel on the Control Unit provides all the necessary controls for setting up a meeting, here the Chairperson can select the number of open microphones, choose microphone mode, and set the system volume. The Control Unit can record up to 4,000 hours of discussion on a single USB stick, and its internal memory can also record up to 8 hours of discussion, so it is never a problem if the USB stick has been forgotten.

Highly productive meetings

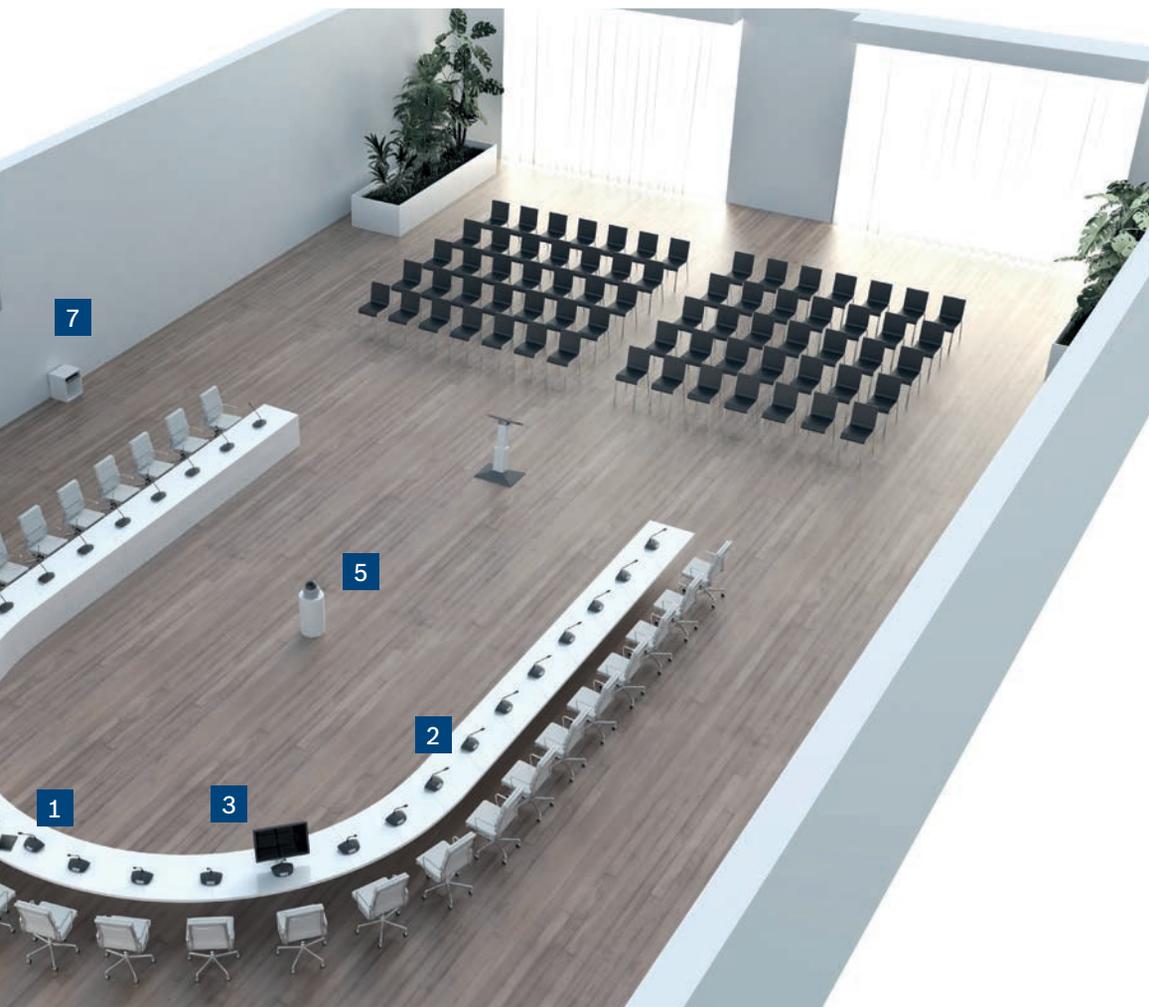
The CCS1000 D Digital Discussion System is an excellent choice for small to large sized applications, like town halls. The chairperson can guide the discussion, allowing individual delegates to speak or letting several delegates take the microphone simultaneously.

For more advanced control of the meeting the chairperson can use a laptop or tablet which provides him/her with the ability to manage the discussions by remotely activating or deactivating participant microphones and shifting participants from the waiting list to the speaker list.

Live video of active speakers can be shown on a big screen, thanks to the system's on-board support for automatic camera control. Up to six HD cameras can be easily connected to the system without needing additional software. In addition, the audio of the whole meeting can be recorded conveniently with the built in MP3 recorder, which makes it possible to archive meetings electronically and avoids the need to manually record meeting minutes.



The system is very quick and easy to install. No training or additional equipment is needed: the discussion devices are directly plugged into the control unit via a simple 'daisy chain' cable connection.



1. Chairman Device
2. Delegate Device
3. Monitor
4. Tablet
5. HD Conference Dome
6. XLA 3200 Line Array Loudspeakers
7. Control Unit



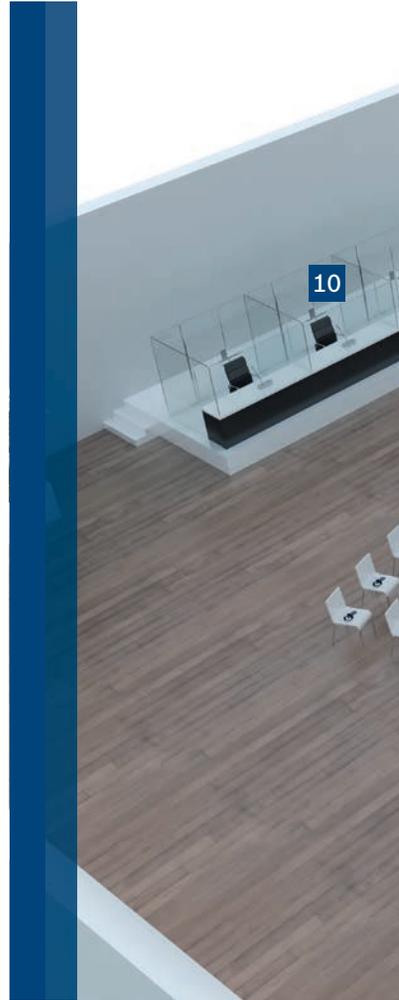
For now and in the future

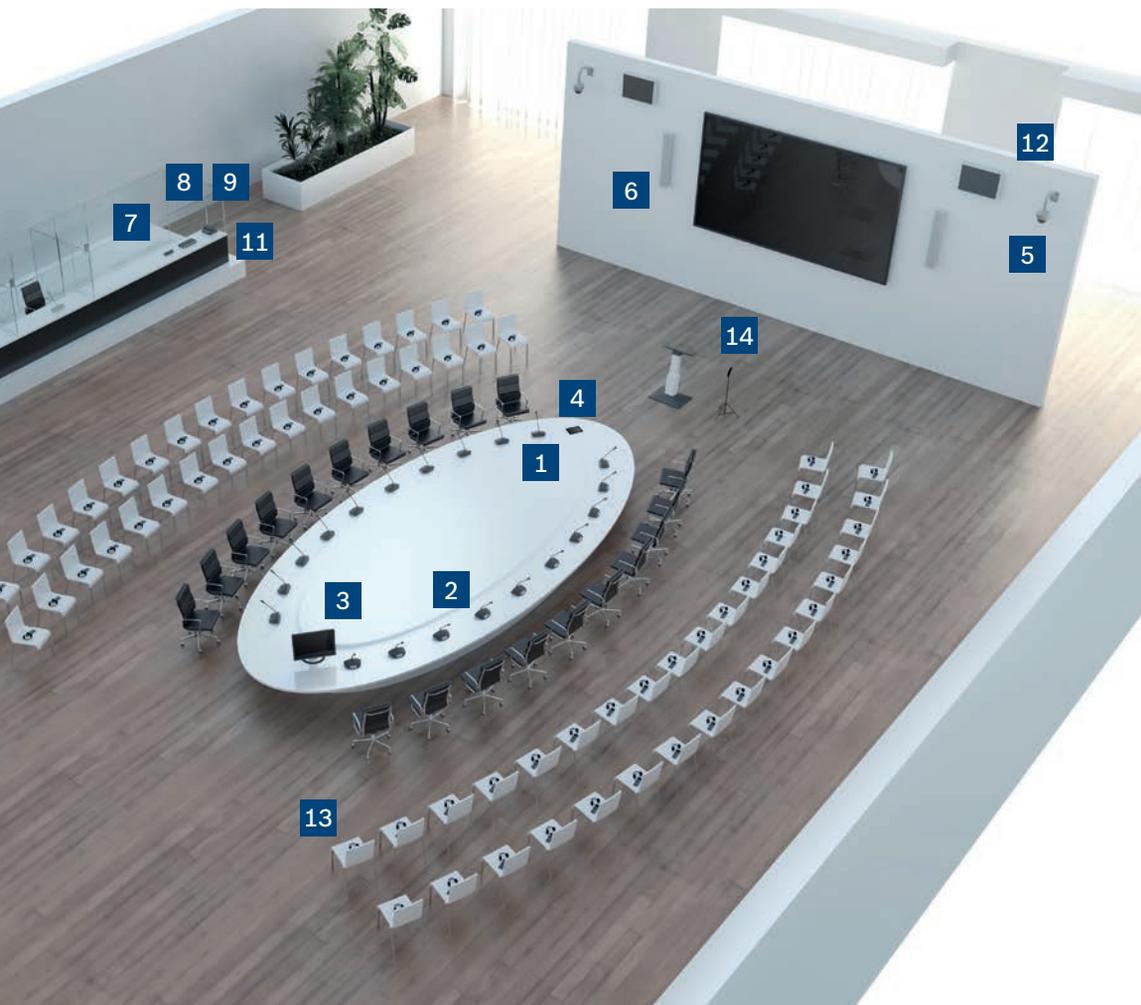
Easy to expand

The CCS 1000 D Discussion System can handle a variety of external equipment such as an interpretation system, language distribution, and a public address system. Also an interface for tele- and video-conferencing can be used to connect two remote locations with each other. In addition, the number of Discussion Devices (max. 245) can be easily scaled up or down in minutes - without needing to turn off and restart the system. The application programming interface (API) offers the possibility to make custom build applications for remote control of the system (e.g. via synoptic layouts or use of 3rd party camera's).

Ideal for courtrooms

Courtroom applications often need to record individual audio channels, for example, all of what the defendant says and all of what the lawyer says. That's why the CCS 1000 D Discussion System can have four individual microphones routed to four separate outputs so that these channels can be recorded by an external recorder. Alternatively, the built-in recorder can record the floor plus one individual channel.





1. Chairman Device
2. Delegate Device
3. Monitor
4. Tablet
5. HD Conference Dome
6. XLA 3200 Line Array Loudspeakers
7. Control Unit
8. Video conferencing interface
9. Plena Mixer Amplifier 120 W
10. Six-channel Analog Interpretation Desk
11. Integrus Transmitter
12. Integrus Radiators
13. Integrus Receivers
14. Wireless microphone & Receiver

The CCS 1000 D Discussion System includes a unique 'energy saving mode' that automatically switches the system off after two hours of inactivity. This saves energy, helps minimize operational costs, and prolongs system lifetime.



Successful meetings assured

For many years to come, every meeting will be fluent, decisive, and business-like, thanks to the system's advanced features and long-lasting reliability.



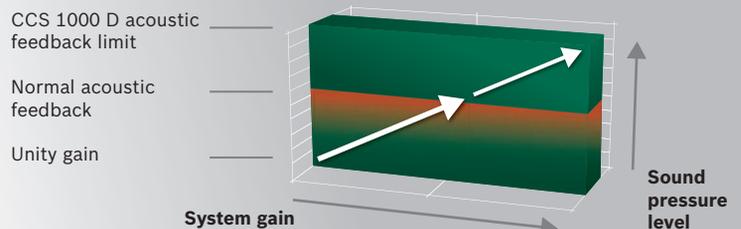
The highly reliable choice

Bosch is world-renowned for the reliability of its systems, regardless of the application size. Hence, the CCS 1000 D Discussion System, with its superior materials and component choices together with extensive quality assurance processes, ensures that users enjoy free-flowing, highly-productive meetings. Dealers and rental companies also benefit from lower call-back costs and higher customer satisfaction.

Only with Bosch

For more than 60 years, Bosch has led the market in conference equipment. So not surprisingly, the CCS 1000 D Discussion System gives you many efficiency-enhancing features which are not available in other systems. For example, the Digital Acoustic Feedback Suppression algorithm is unique to Bosch and is proven by many years of faultless operation in the field. Also exclusive to Bosch is the "Possible-To-Speak" indicator, the internal recording memory, and the simultaneously active loudspeaker and microphone that creates a more natural meeting feel. With Bosch, you get more.

Unique, built-in Digital Acoustic Feedback Suppression balances sound pressure levels and system gain to enable higher volumes without any 'howling' effects.



The all-in-one discussion solution

Discussion Device



- ▶ Enables participants to speak and listen to the proceedings
- ▶ Can be used either as participant or chairperson device
- ▶ Enables chairperson to mute microphones of participants
- ▶ “Possible-To-Speak” indicator
- ▶ “Request-To-Speak” indicator
- ▶ Cable lock facility
- ▶ GSM immune
- ▶ Built-in loudspeaker
- ▶ Microphone: with mic-active LED indicators, flexible stem (either 38 or 48 cm length)
- ▶ Headphone socket with built-in volume control

Control Unit



- ▶ Supplies power to all system elements - up to 80 Discussion Devices per Control Unit
- ▶ Intuitive control of microphone operating mode and loudspeaker volume via front panel capacitive buttons
- ▶ Advanced configuration and control via built-in web browser and tablet
- ▶ On-board support for automatic HD camera control
- ▶ Internal recording for up to 8 hours
- ▶ External recording via USB up to 128 GB (>4,000 hours)
- ▶ Built-in Digital Acoustic Feedback Suppression (DAFS)
- ▶ Optimized for courtroom usage with four individual microphone outputs
- ▶ Built-in loudspeaker and headphone socket for monitoring the proceedings
- ▶ Energy saving mode for cost minimization and prolonged life-time
- ▶ For tabletop and rack-mounted usage
- ▶ The Control Unit is also available as a basic version without recording and DAFS facilities
- ▶ The API offers the possibility to make custom build applications for remote control of the system

Extension unit



- ▶ A single extension unit can provide power for up to 85 Discussion Devices.
- ▶ A maximum of up to 245 Discussion Devices can be connected to the CCS 1000 D Digital Discussion System.

Rugged transport case

- ▶ Each case enables transport and storage for Control Unit, six Discussion Devices, cables, and power supply

Accessories

- ▶ Extension cables, installation cables, rack-mounting brackets, cable clamps, cable locks, handheld microphone.

A Tradition of Quality and Innovation

For over 125 years, the Bosch name has stood for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.



Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.

Bosch Security Systems

To learn more about the Bosch product offering, please visit www.boschsecurity.com or send an e-mail to emea.securitysystems@bosch.com

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