

Audio
Distribution
Network

ADN C1/ADN D1



Quick guide

 **SENNHEISER**

Information on this quick guide



Please make sure to read the “Safety information” supplement included separately with the ADN CU1 central unit. This supplement contains important information on the safe operation of the product as well as the manufacturer’s declaration and warranty notes.



A detailed instruction manual for the overall ADN conference system can be found

- on the Internet at www.sennheiser.com or
- on the DVD-ROM supplied with the ADN CU1 central unit.

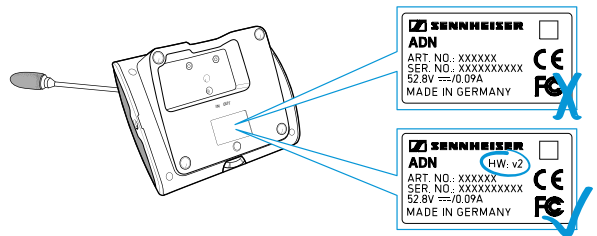
The ADN D1 and ADN C1 conference units

The ADN D1 delegate unit and the ADN C1 chairperson unit are part of the Sennheiser ADN conference system.



To ensure full operational reliability in a redundant ring topology, the hardware of the ADN C1 and ADN D1 has been revised. If you combine conference units with hardware revision 1 (no marking on the type plate) and conference units with hardware revision 2 (“HW: v2” is printed on the type plate), fail-safe operation is only possible to a limited extent.

- ▶ In a redundant ring topology, only use conference units with hardware revision 2.



Delivery includes

- 1 ADN D1 delegate unit or
ADN C1 chairperson unit
- 1 quick guide

Components required for operation

Central unit/ Power supplies

Number	Description	Cat. No.	Function
1	ADN CU1-EU central unit, EU version	505553	Controls the conference and supplies power to max. of 40 conference units
	ADN CU1-UK central unit, UK version	505554	
	ADN CU1-US central unit, US version	505555	
1 - 15 (optional)	ADN PS-EU power supply, EU version	505546	Supplies power to conference units connected in simple strings or in redundant ring topology, for conferences with up to 400 conference units
	ADN PS-UK power supply, UK version	505547	
	ADN PS-US power supply, US version	505548	

Conference units

Number	Description	Cat. No.	Function
Max. 400	ADN D1 delegate unit	502758	Allows to make contributions to the conference
1 - 10 (optional)	ADN C1 chairperson unit	502759	Allows to manage the conference

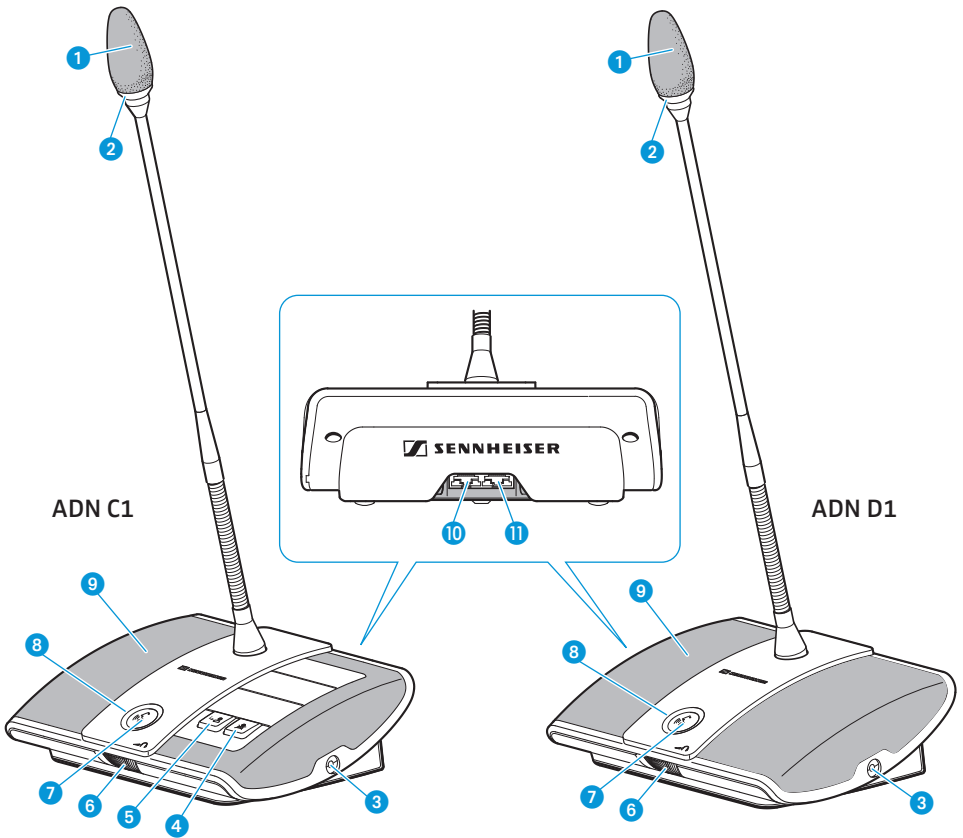
System cables The system cables are black and have two shielded RJ45 plugs.




Number	Description, length	Cat. No.	Function
Divers	SDC CBL RJ45-2, 2 m	009842	Allow to interconnect components and conference units
	SDC CBL RJ45-3, 3 m	009843	
	SDC CBL RJ45-5, 5 m	009844	
	SDC CBL RJ45-10, 10 m	009845	
	SDC CBL RJ45-20, 20 m	009846	
	SDC CBL RJ45-50, 50 m	009847	



Additional accessories for the ADN conference system can be found at www.sennheiser.com.

Product overview

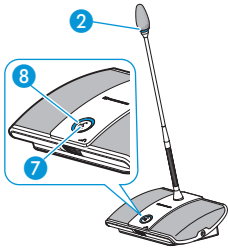


- 1 Sound inlet basket with windshield
- 2 Signal light ring
- 3 Headphone socket
- 4 Priority key 
- 5 Next key 
- 6 Headphone volume control for headphone socket
- 7 Microphone key 
- 8 Microphone LED
- 9 Loudspeaker
- 10 IN socket
- 11 OUT socket

Operating a delegate unit

Taking the floor/Making a request to speak

If the conference mode is set to “Direct Access” or “Override” (for further information, refer to the detailed instruction manual for the overall system “ADN Conference System”):



- ▶ Press the microphone key 7.

Your microphone switches on and you can take the floor immediately. The microphone LED 8 and the signal light ring 2 light up red. The loudspeaker 9 is muted. Depending on the conference mode and the speaker limit set, the microphone of the previous speaker will be deactivated.

If the conference mode is set to “Push To Talk”:

- ▶ Press the microphone key 7 and keep it pressed for the duration of your contribution.

Your microphone switches on and you can take the floor immediately. The microphone LED 8 and the signal light ring 2 light up red. The loudspeaker 9 is muted.

If the conference mode is set to “Request”, you have to be granted speaking privileges:

- ▶ Press the microphone key 7.

Depending on the setting adjusted in the operating menu (for further information, refer to the detailed instruction manual for the overall system “ADN Conference System”)

 - the microphone LED 8 flashes green and the signal light ring 2 flashes red or
 - only the microphone LED 8 flashes green.

When the chairperson grants you speaking privileges, your microphone is activated. The microphone LED 8 and the signal light ring 2 light up red. The loudspeaker 9 muted. Depending on the conference mode and the speaker limit set, the microphone of the previous speaker will be deactivated.

Deactivating the microphone/Cancelling a request to speak

To deactivate the microphone when you have finished speaking or to cancel a request to speak ("Direct Access", "Override" or "Request" mode):

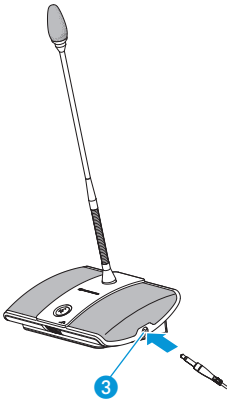
- ▶ Press the microphone key 7 once more.
The microphone LED 8 and the signal light ring 2 go off.

In "Push To Talk" mode:

- ▶ Release the pressed microphone key 7.
The microphone LED 8 and the signal light ring 2 go off.

Connecting headphones

- ▶ Connect headphones with a 3.5 mm jack plug to the headphone socket 3.



Adjusting the headphone volume



CAUTION

Hearing damage due to high volumes!

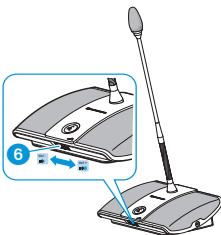
Listening at high volume levels for long periods can lead to permanent hearing defects.

- ▶ Set the volume to a medium level.
- ▶ Do not continuously expose yourself and other conference participants to high volumes.

To adjust the volume:

- ▶ Turn the headphone volume control 6
 - to the right to increase the volume or
 - to the left to reduce the volume.

At switch-off, the headphone volume is reset to a medium level.



Operating a chairperson unit

Beside the chairperson functions, chairperson units offer the same functions as delegate units. A chairperson unit allows you to take the floor at any time without having to “apply” for a comment. If your conference system comprises several chairperson units, all chairperson units have equal rights.

Granting speaking privileges

All participants who have made a request to speak will join a request-to-speak list. Depending on the setting adjusted in the operating menu:

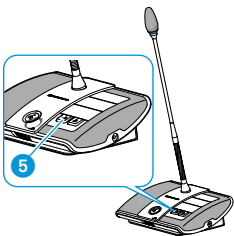
- the microphone LED 8 flashes green and the signal light ring 2 flashes red or
- only the microphone LED 8 flashes green.

To grant speaking privileges to the next participant from the request-to-speak list:

- ▶ Press the Next key 5.

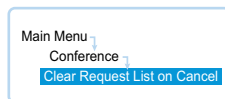
The next participant from the request-to-speak list is granted speaking privileges.

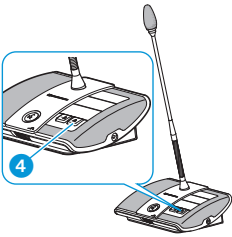
i If you are using the “Conference Manager” software, you can also grant speaking privileges with a mouse click (for further information, refer to the detailed instruction manual for the overall system “ADN Conference System”).



Ending a conference or withdrawing speaking privileges (cancel function)

- ▶ Set the function of the chairperson unit’s priority key 4 “Clear Request List on Cancel”) via the central unit’s operating menu:





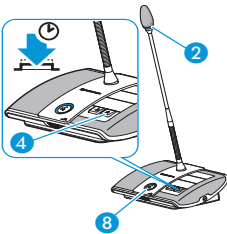
Setting	Function of the priority key 4
"On"	Pressing the priority key deactivates all delegate units. All requests to speak are deleted.
"Off"	Pressing the priority key deactivates all currently active delegate units. All requests to speak are retained.

- ▶ Briefly press the priority key 4.
The conference system behaves as set.

i If you are using the "Conference Manager" software, you can also deactivate all delegate units with a mouse click (for further information, refer to the detailed instruction manual for the overall system "ADN Conference System").

Muting all delegate units temporarily (priority function)

Using the priority function, the chairperson can interrupt a discussion at any time. The speaking privileges of all chairperson units remain active at any time.



- ▶ Keep the priority key 4 pressed for as long as you want to mute the delegate units.
All conference units – except for the chairperson units – are muted immediately. The microphone LED 8 and the signal light ring 2 of the previously active conference units flash red. You can take the floor immediately.
- ▶ Release the priority key 4.
The muting of the conference units is canceled. The discussion is continued.

Specifications

ADN D1 and ADN C1 conference units

Dimensions (w/o gooseneck)	185 x 63 x 140 mm (W x H x D)
Weight	approx. 700 g
Supply voltage	35 V ... 52.8 V ---
Power consumption	2 W (w/o reproduction via loudspeakers)
Temperature range	operation: +10°C to +40°C storage: -25°C to +70°C
Relative humidity	operation: 10 to 80% storage: 10 to 90%
Headphone socket	3.5 mm stereo jack socket
Output level at headphone socket	50 mW/16 Ω
DHT (at 1 kHz)	0.03% at 50 mW/16 Ω

Loudspeaker

Frequency response	100 Hz to 14.5 kHz
Signal-to-noise ratio	> 70 dB(A)

Microphone

Pick-up pattern	super-cardioid
Frequency response	190 Hz to 14.5 kHz

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Publ. 09/11, 543390/A01



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