7.3.13   Flush setups

The DCNM-FBD2 has:
– Two microphone inputs for the DCNM-FMCP.
– Two control inputs to connect the DCNM-FMICB, DCNM-FPRIOB, DCNM-FIDP, DCNM-FVP, DCNM-FSLP and DCNM-FAI.
– Two loudspeaker inputs for the DCNM-FLSP.

As such, you can build various setups depending on what you need:
– Two participant or chairperson seats, each with their own microphone, with:
    – Optional voting.
    – Optional language selection.
    – Optional participant identification.
– Four participant seats, with each pair sharing a microphone, with optional individual identification for each of the four participants.
– A participant or chairperson rostrum seat with:
    – Optional voting.
    – Optional language selection.
    – Optional participant identification.

Refer to the following diagrams on how to set up a DICENTIS flush system.

> **ℹ️ Notice!**
> To power the LEDs and pre-amplifier of the microphone, a 30 cm cable connects the DCNM-FMCP to the DCNM-FMICB or to the DCNM-FPRIOB for power and control.
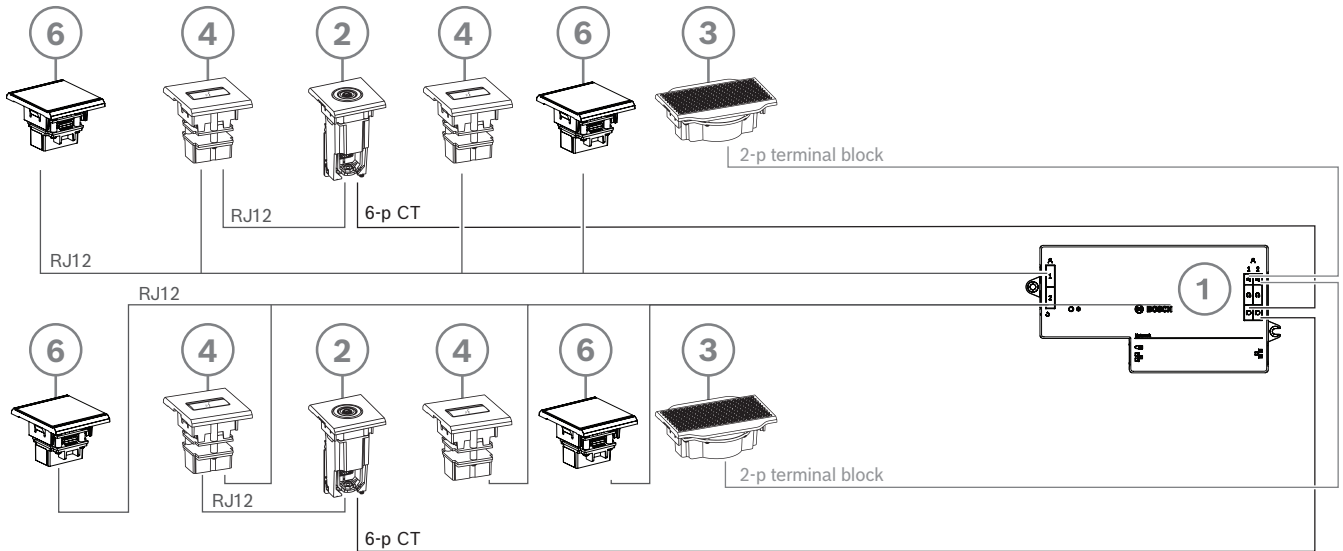
Two participant or chairperson seats
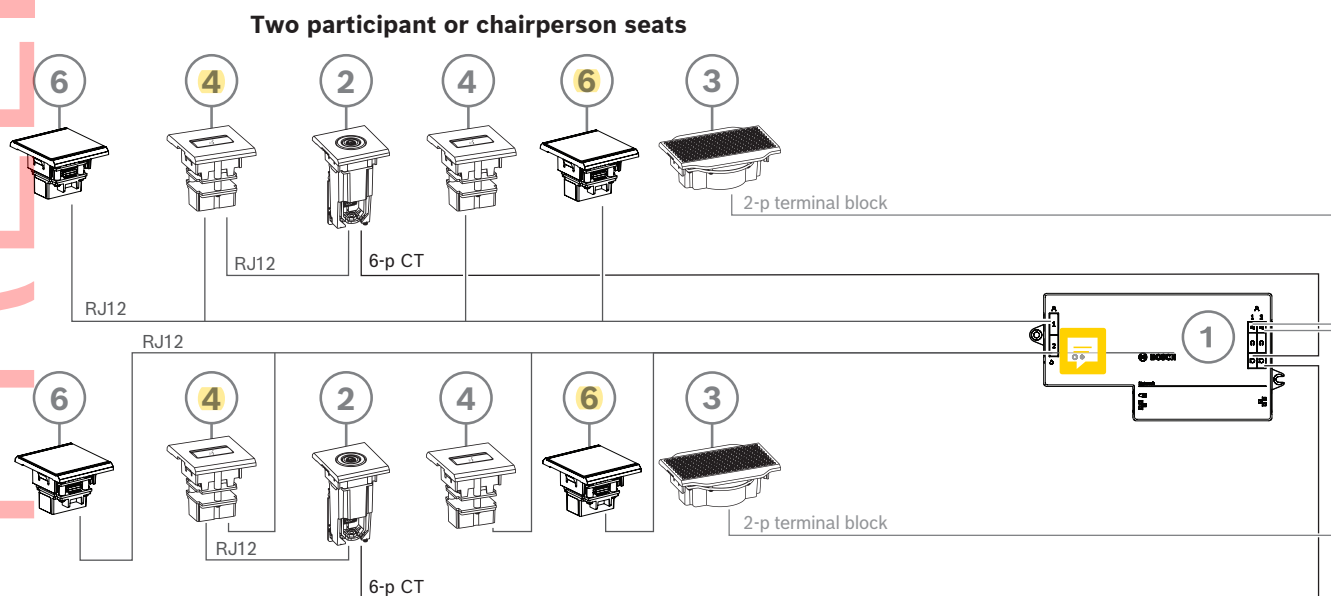
You can use:
– One DCNM-FSLP per side.
– One DCNM-FVP per side.
– Up to four CAN connected panels per side. Refer to Panels per side in *DCNM-FBD2 Flush base device, page 65* for more information on CAN connected panels.

Note:
A chairperson seat with the functionalities of voting, language selection and identification, as well as buttons for priority and microphone, will use more than four panels. Both sides of the DCNM-FBD2 will then be required.

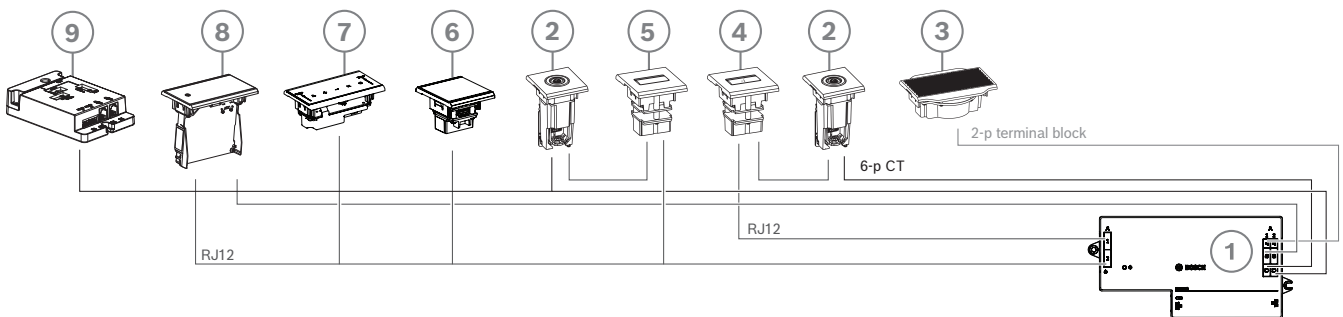**Four participant seats, with each pair sharing a microphone**

You can use:
– Two DCNM-FIDP per side.
– Up to four CAN connected panels per side. Refer to Panels per side in *DCNM-FBD2 Flush base device, page 65* for more information on CAN connected panels.

One participant or chairperson seat with two microphones

Note: Connect the second microphone connection panel to the DCNM-FPRIOB to power and control the LEDs of the microphone and the pre-amplifier of the DCNM-FMCP. If you do not require a DCNM-FPRIOB, use a second DCNM-FMCIB. You can mount this panel under the table.

– If your setup does not require a DCNM-FPRIOB use the DCNM-FAI to power and control the second DCNM-FMICB
    – To create a rostrum seat that does not require any panels, connect two DCNM-FMICB to the DCNM-FAI for power and control.
– Assign both the 1-A and the 2-A devices to the same seat in the meeting application. This automatically configures the DCNM-FBD so that the audio level is equal to a seat with 1 microphone.

– You can use up to four CAN connected panels per side. Refer to Panels per side in *DCNM-FBD2 Flush base device, page 65* for more information on CAN connected panels.
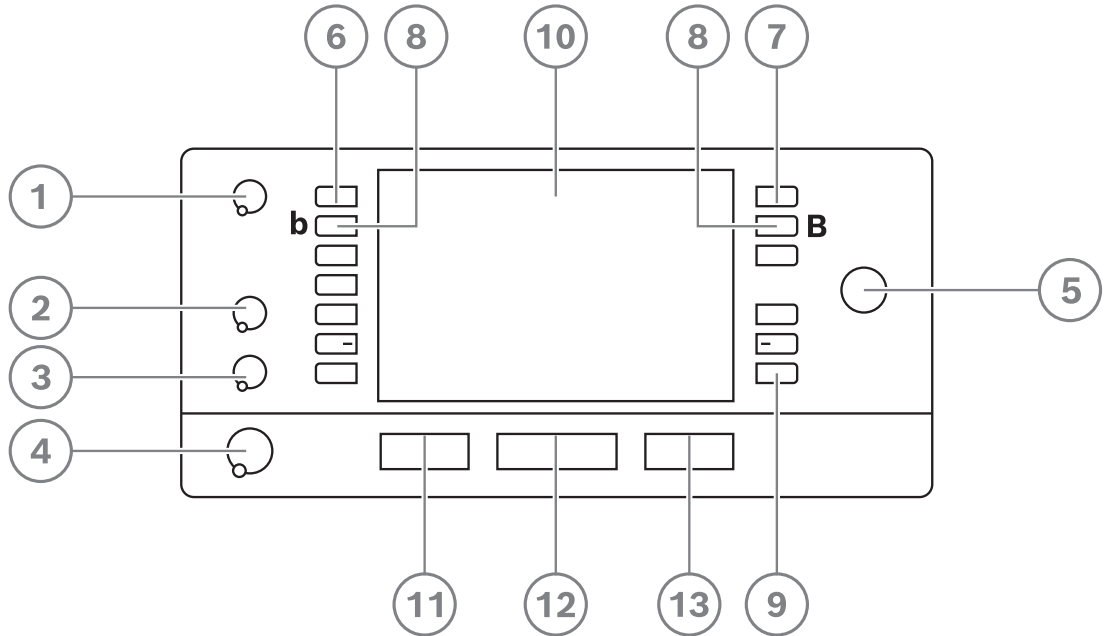
1	DCNM-FBD2 Flush base device
2	DCNM-FMCP Flush microphone connection panel
3	DCNM-FLSP Flush loudspeaker panel
4	DCNM-FMICB Flush microphone button panel
5	DCNM-FPRIOB Flush priority button panel
6	DCNM-FIDP Flush identification panel
7	DCNM-FVP Flush voting panel
8	DCNM-FSLP Flush language selection panel
9	DCNM-FAI Flush audio interface

7.4   DCNM-IDESK / DCNM-IDESKVID Interpreter desk

The Interpreter desks (DCNM-IDESK and DCNM-IDESKVID) are used to:
– Interpret the floor language (channel A) in a meeting or conference.
– Relay the interpretation to various target languages via channel selection (channel B or C).

Item	Description	Function
1	Loudspeaker volume knob	Adjusts the volume level of the signal that is sent to the loudspeaker of the interpreter desk.
2	Treble knob	Adjusts the level of the treble of the signal that is sent to the headphones.
3	Bass knob	Adjusts the level of the bass of the signal that is sent to the headphones.
4	Headphones volume knob	Adjusts the volume level of the signal that is sent to the headphones.
5	Menu knob	Rotary control with integrated push button to configure and operate the interpreter desk.
6	Pre-select buttons	Allows the interpreters to select a channel from which they can render an interpretation (input).
7	Output buttons	Sets the output the target language will be sent to (A, B, C).
8	b - B buttons	Press these 2 buttons (with a small raised dash) at the same time to enter the installation mode and assign the device to a booth and desk. Refer to the DICENTIS Configuration manual, chapter "Configuring an IDESK (directly on the device)" on how to configure the interpreter desk.
9	Assignable buttons	Assign functions to the assignable buttons through the Meeting application if the DCNM-LIPM license is available. Press and hold the button and rotate the knob to select which of the assigned buttons

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Item	Description	Function
		you will use. Refer to the DICENTIS Configuration manual, chapter "Meeting application" > "Configure" > "Interpreter desks" for detailed information on the functions.
10	Display	Shows the configuration, user menus and provides user feedback.
11	Floor / Auto-relay button	Sets the source of the interpretation.
12	Microphone button	Enables or disables the microphone. The microphone button has a red LED that comes on when the microphone is enabled (on-air). A green LED shows that the booth is not in use.
13	Mute button	Temporarily disables the microphone.

Connecting interpreter desks

Two RJ45 compatible connections for system communication and power are available for quick and easy connection of the interpreter desks. Loop-through cabling can be applied by using DICENTIS System cables or star cabling using standard CAT-5e cables and PoE switches.

Installing interpreter desks

The interpreter desks can be installed free-standing or fixed in more permanent installations (table-top) using mounting screws.

> ⚠ **Warning!**
> The screws must be M3 and should not be screwed in deeper than 5 mm (0.2 inches) to avoid damaging the device.
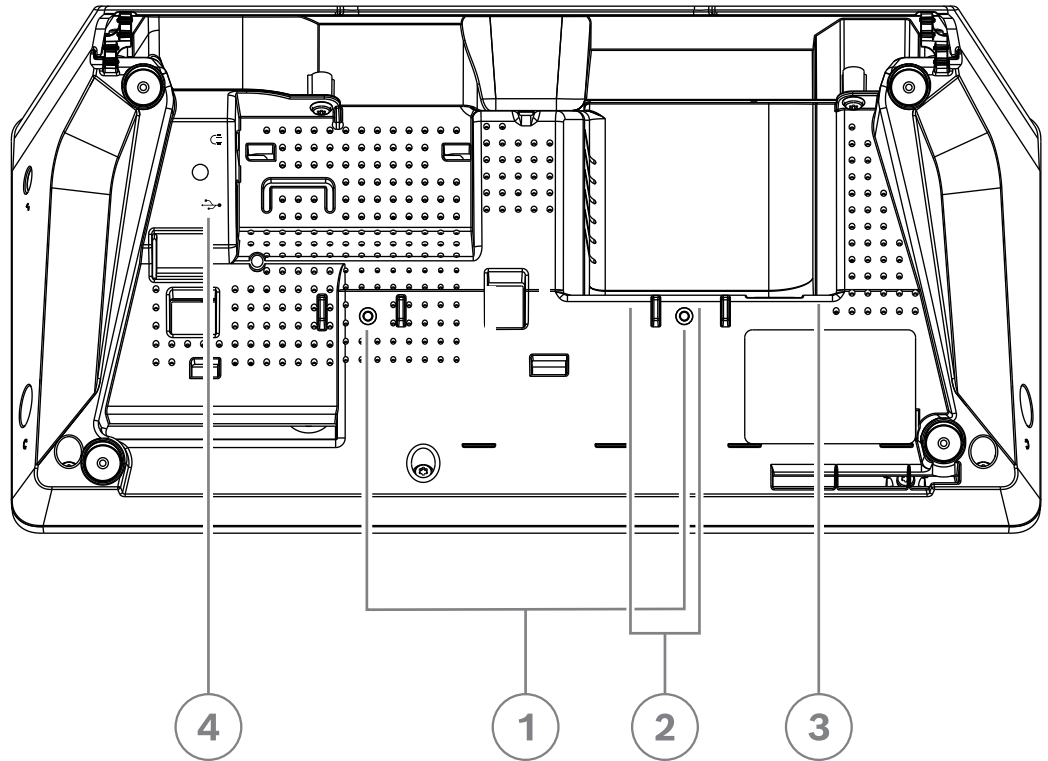
Figure 7.14: DCNM-IDESK / DCNM-IDESKVID bottom view

Item	Description
1	Screw insert for fixed installation
2	2 x RJ45 connection input/output for system power cable
3	HDMI video output (DCNM-IDESKVID only)
4	USB connector for the DCNM-IDESKINT On-air & telephone interface DCNM-IDESK. Refer to *DCNM-IDESKINT On-air & teleph. DCNM-IDESK, page 42*.

Notice!

The HDMI outgoing current is limited at 60mA, while the official HDMI standard specifies 55 mA. Some HDMI to VGA converters may require more current, which may result in unexpected behavior or a non-working converter.

7.5   DICENTIS Microphones

The DICENTIS Microphones are the DCNM-HDMIC High directive microphone, the DCNM-MICL/S Stem microphones, and the DCNM-MICSLL/LS Screw lock microphones. These are typically used with the DICENTIS devices.
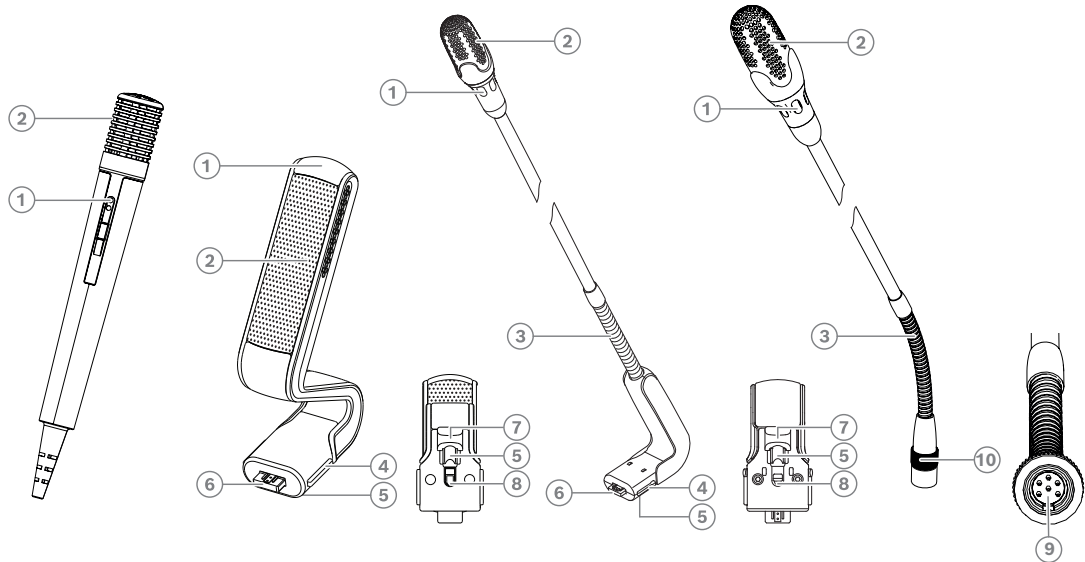

Figure 7.15: DCNM-FHH / DCNM-FHHC, DCNM-HDMIC, DCNM-MICS / DCNM-MICL and DCNM-MICSLL / DCNM-MICSLS

Number	Description
1	LED indicator
2	Microphone grill
3	Adjustable stem
4	Connection guidance
5	Slider guidance
6	Connector plug
7	Lock-slider for lock release (press and shift to release)
8	Lock
9	Device connector
10	Screw lock

How to connect or remove the microphones

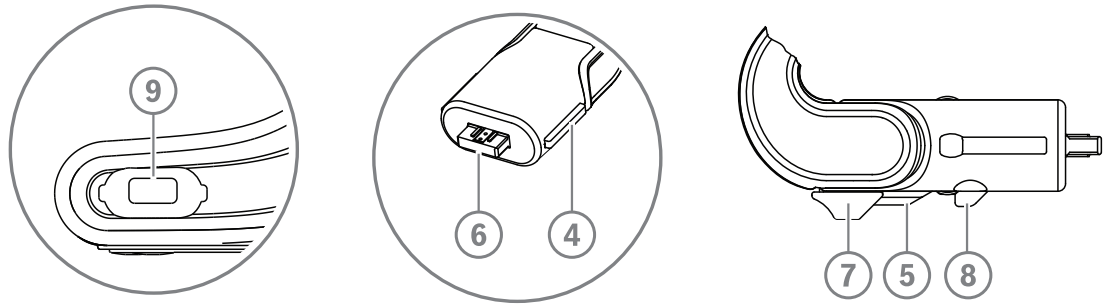The microphones can be easily connected to the DICENTIS devices:

Figure 7.16: DCNM-HDMIC or DCNM-MICS / DCNM-MICL connection

1. Gently guide the connection guidance (**4**) into the DICENTIS device microphone connector (**9**).
2. Gently push the connector plug (**6**) into the device microphone connector (**9**) until the connection lock (**5**) fits/click into place.
– To remove the microphone from the device: Shift lockslider (**7**) towards the device and hold in place lock release (**8**) and pull out the microphone.
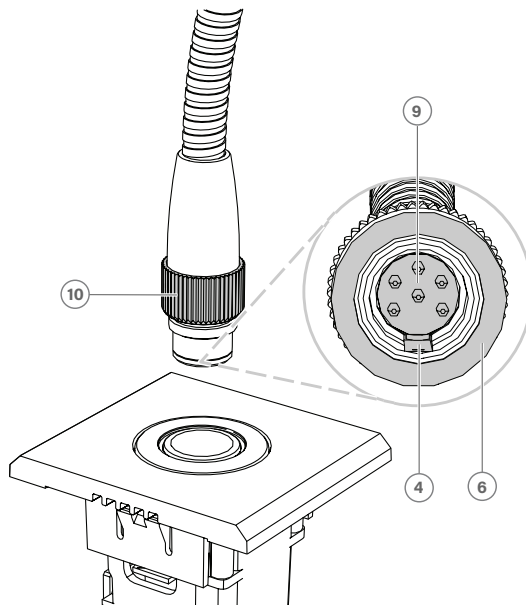

Figure 7.17: DCNM-MICSLL / DCNM-MICSLS connection

1. Gently guide the connection guidance (**4**) into the DICENTIS microphone panel connector (**9**).
2. Gently push the connector plug (**6**) into the microphone panel connector (**9**) and rotate the screw lock (**10**) clockwise.
– To remove the microphone from the panel: Rotate the screw lock (**10**) counter clockwise and pull out the microphone.

Refer to *DCNM-FHH / DCNM-FHHC Flush hand held microphones, page 77* to see how to connect them.

7.6 DCNM-MMDSP Anti-reflection foil

The DICENTIS anti-reflection foil can be used to protect the tempered glass screen of a DICENTIS multimedia Device.

Installation procedure

1. Use the included alcohol swab and the microfiber fabric to clean the device LCD screen before installation.
2. Peel the positioning adhesive release paper from the rear of anti-reflection foil.
3. Position the anti-reflection foil on the device LCD screen, and then fix the positioning adhesive to the side of the device.
4. Open the anti-reflection foil, and use the "cleaning stick" to clean surface dust from the LCD screen.
5. Peel the protective film from the other side of the anti-reflection foil.
6. Lightly press the anti-reflection foil on to the LCD screen. If air bubbles are trapped under the anti-reflection foil, use the "squeegee" to remove them.

7.7   DICENTIS Card holders

7.7.1   DCNM-NCH Name Card Holder

The name card holder (**1**) can be used to permanently display the participant's name on the rear of a DICENTIS multimedia Device. The name card holder has two magnets (**2**) that allow it to be easily attached to, and removed from, the rear of the device.
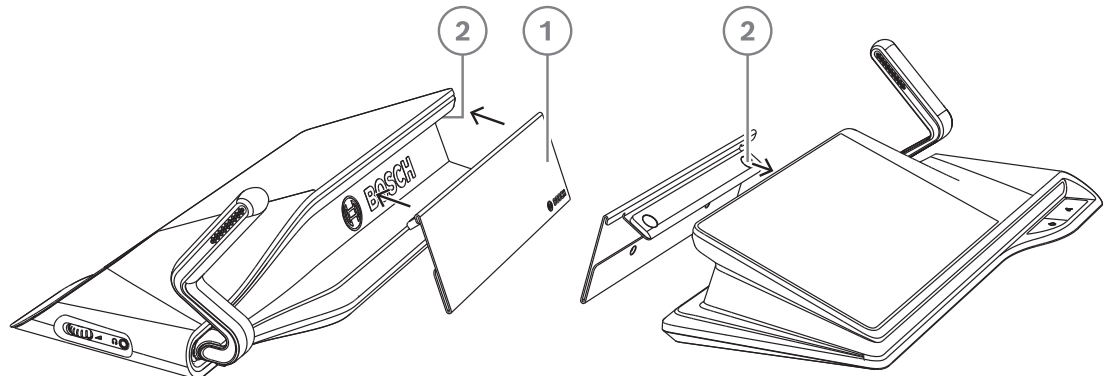

Figure 7.18: DCNM-NCH assembly

Item	Description
1	Name card holder.
2	Magnets.

> **Notice!**
> A paper insert template is included on the DVD that can be downloaded at: https://licensing.boschsecurity.com/software

### 7.7.2   DCNM-DICH ID card holder for DCNM-D

The ID card holder for the DICENTIS Discussion devices is designed for the identification mode. As long as the card remains in the ID card holder, the participant will be logged in. When the card is removed, the participant will be logged out.

This accessory cooperates with the built-in Near Field Communication (NFC) contact less tag reader of the DICENTIS Discussion devices. The identification mode is configured in the DICENTIS software.

The DCNM-DICH can be used with the DCNM-DE, the DCNM-DSL, and the DCNM-DVT.

Fixate the ID card holder easily by removing the protective foil at the rear, position it at the left side of the DICENTIS Discussion device, and press it firmly down as shown in the picture below:
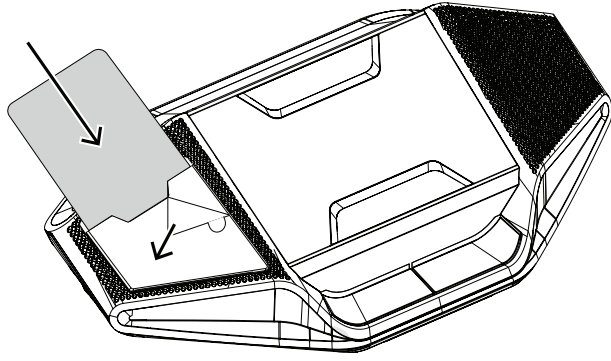
8   Installation Test

An installation test is needed to prevent connection mismatches and find potential product defects at an early stage. Not to do so could result in a system malfunctioning.

Each DICENTIS device has its own built-in diagnostics, which can be used for faultfinding. The diagnostics starts as soon the DICENTIS device is powered on. The DICENTIS Conference System does not have to be configured with, and connected to, the system controller PC.

Preconditions
1. All system network cables are connected to the devices.
2. The Audio processor and powering switch and Powering switch(es) are installed.

Start the test

Power on the Audio processor and powering switches and Powering switches used in the system: Each connected device powers on and initializes.
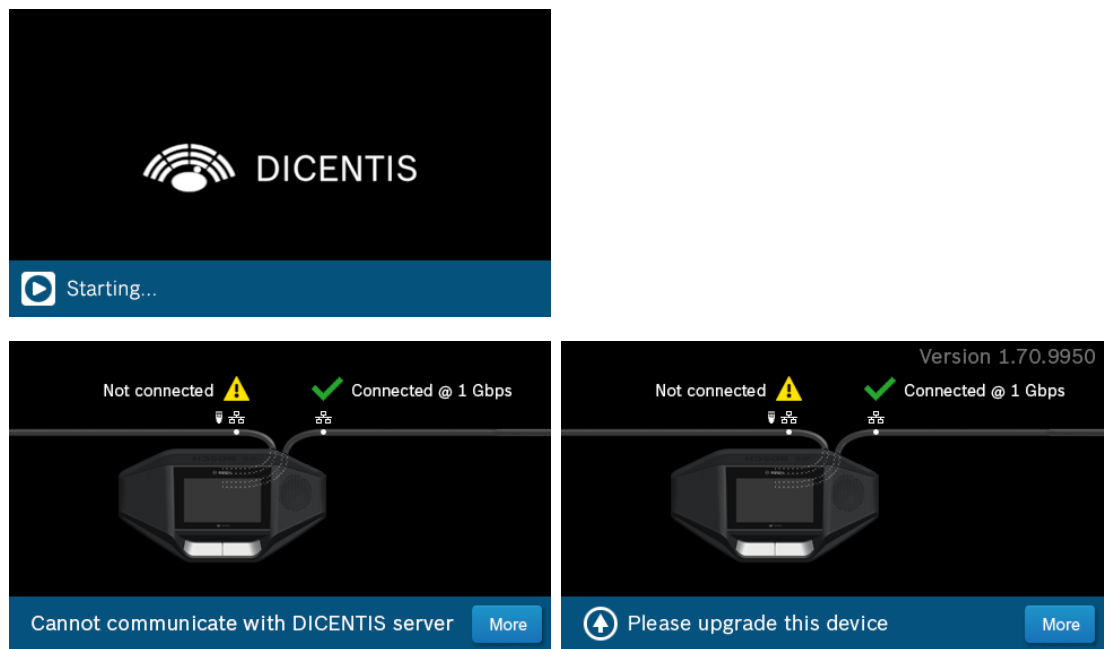
1. After the DICENTIS multimedia Device / the DICENTIS discussion Extended have initialized, the diagnostic screen is shown.
2. If the text "Link down" is shown:
    –   The network cable is not connected or defective.
    –   The device is only connected with one system network cable ("Link down" is shown on the side where the device is not connected).
3. If the system network cable is correctly connected to the network, the network speed is shown.
4. If the DICENTIS multimedia Device / the DICENTIS discussion Extended are connected to an Audio processor and powering switch, Powering switch or another multimedia device, and 100 Mb is shown:
    –   Not all wiring inside the system network cable connector is correctly connected or broken. You need to check the wiring and connector.
    –   If the cable is connected to a 100 Mb switch, it is correct.
5. Click the info button to see additional information of the multimedia device.
6. When everything is correctly connected, and the device does not have the application software, it shows the text "Please download software".
7. Now the device can be downloaded:

– Downloading devices is not covered in this manual. Refer to the DICENTIS configuration manual on how to download the devices.

Customer service

If a fault cannot be resolved, please contact your supplier or system integrator, or go directly to your Bosch representative.

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