

# DCNM-FAI Flush audio interface

## DICENTIS



- ▶ Intended for custom-build solutions
- ▶ Interfaces with audio sources besides the DICENTIS microphones
- ▶ Microphone and line level
- ▶ Phantom power supply of 48 V
- ▶ I/O for control and indication

The Flush audio interface is intended for custom-build solutions. It allows for a 3<sup>rd</sup> party microphone to connect to a DCNM-FBD2. The DCNM-FAI also supports other types of audio inputs, such as:

- Line input
- Balanced or unbalanced audio
- 48 V phantom powered microphones.

### Functions

#### Rostrum with DICENTIS microphones

The audio interface also has 2 CLIK-mate connectors to connect 2 DCNM-FMCP to a DCNM-FBD2, which will make a rostrum position.

#### Other microphones

The Flush audio interface allows connecting one microphone or one line level audio sources to the DCNM-FBD2 to build custom solutions. The DCNM-FAI has a contact input and two outputs:

- An input contact to connect a custom microphone button
- And outputs for indication of the microphone button status.

#### Use of switches

- Level and gain selection.
- Power option selection.

#### Interconnections

- An 8-pole audio/MIC input connection to receive (un)balanced audio, set the button status, and control the microphone LEDs.
- Two power and LED control connections to the DCNM-FMCP.

- Balanced audio interface to connect to the DCNM-FBD2 through a 2 m cable with a 3-pole terminal block.
- Control interface, through RJ12, to the DCNM-FBD2 and other devices.

### Parts included

Quantity	Component
1	DCNM-FAI Flush audio interface

### Technical specifications

#### Audio

Nominal input level (dBV) (0 dB) (microphone)	-46 dBV
Maximum input level (dBV) (0 dB) (microphone)	-16 dBV
Nominal input level (dBV) (18 dB) (microphone)	-64 dBV
Maximum input level (dBV) (18 dB) (microphone)	-34 dBV
Nominal input level (dBV) (0 dB) (Line)	-12 dBV
Maximum input level (dBV) (0 dB) (Line)	18 dBV
Nominal input level (dBV) (18 dB) (Line)	-30 dBV

Maximum input level (dBV) (18 dB) (Line)	0 dBV
Gain selection (dB)	0; 6; 12; 18

**Electrical**

Power consumption (W)	0.5 W
Operating voltage (VDC)	5 VDC
Output voltage (VDC) (phantom)	48 VDC
Output current (mA) (phantom)	8 mA
Output voltage (VDC) (LED)	4.5 VDC
Maximum output current (mA) (per LED color)	10 mA

**Mechanical**

Dimensions (H x W x D) (mm)	82 mm x 122 mm x 28 mm
Dimensions (H x W x D) (in)	3.23 in x 4.80 in x 1.10 in
Weight (g)	126.90 g
Weight (lb)	0.28 lb
Color in RAL	RAL 9017 Traffic black

**Environmental**

According to IEC 60721: storage (1K3), transportation (2K2) and operational (3K4).

Operating temperature (°C)	5 °C – 45 °C
Operating temperature (°F)	41 °F – 113 °F
Transportation temperature (°C)	-30 °C – 70 °C
Transportation temperature (°F)	-22 °F – 158 °F
Storage temperature (°C)	-5 °C – 45 °C
Storage temperature (°F)	23 °F – 113 °F
Operating relative humidity, non-condensing (%)	5% – 90%

**Ordering information**

**DCNM-FAI Flush audio interface**

Flush-mounted audio interface for a 3<sup>rd</sup> party microphone.

Order number **DCNM-FAI | F.01U.402.926**

**Accessories**

**DCNM-FHH Flush hand held microphone**

Flush hand held microphone with 1.5 m (4.9 ft) of cable length.

Order number **DCNM-FHH | F.01U.405.507**

**DCNM-FHHC Hand held microphone coiled**

Flush hand held microphone with coiled cable of 1.5 m (4.9 ft) of length.

Order number **DCNM-FHHC | F.01U.405.508**

**Services**

**EWE-DCNMFU-IW 12 mths wrty ext dicentis flush unit**

12 months warranty extension

Order number **EWE-DCNMFU-IW | F.01U.407.055**

**Represented by:**

**Europe, Middle East, Africa:**  
 Bosch Security Systems B.V.  
 P.O. Box 80002  
 5600 JB Eindhoven, The Netherlands  
 Phone: + 31 40 2577 284  
[www.boschsecurity.com/xc/en/contact/](http://www.boschsecurity.com/xc/en/contact/)  
[www.boschsecurity.com](http://www.boschsecurity.com)

**Germany:**  
 Bosch Sicherheitssysteme GmbH  
 Robert-Bosch-Ring 5  
 85630 Grasbrunn  
 Tel.: +49 (0)89 6290 0  
 Fax: +49 (0)89 6290 1020  
[de.securitysystems@bosch.com](mailto:de.securitysystems@bosch.com)  
[www.boschsecurity.com](http://www.boschsecurity.com)

**North America:**  
 Bosch Security Systems, LLC  
 130 Perinton Parkway  
 Fairport, New York, 14450, USA  
 Phone: +1 800 289 0096  
 Fax: +1 585 223 9180  
[onlinehelp@us.bosch.com](mailto:onlinehelp@us.bosch.com)  
[www.boschsecurity.com](http://www.boschsecurity.com)

**Asia-Pacific:**  
 Robert Bosch (SEA) Pte Ltd, Security Systems  
 11 Bishan Street 21  
 Singapore 573943  
 Phone: +65 6571 2808  
 Fax: +65 6571 2699  
[www.boschsecurity.com/xc/en/contact/](http://www.boschsecurity.com/xc/en/contact/)  
[www.boschsecurity.com](http://www.boschsecurity.com)