DCNM-FAI Flush audio interface
DICENTIS

The Flush audio interface is intended for custom-build solutions. It allows for a 3rd 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

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DCNM-FAI Flush audio interface</td>
</tr>
</tbody>
</table>

Technical specifications

Audio

<table>
<thead>
<tr>
<th></th>
<th>dBV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal input level (0 dB) (microphone)</td>
<td>-46</td>
</tr>
<tr>
<td>Maximum input level (0 dB) (microphone)</td>
<td>-16</td>
</tr>
<tr>
<td>Nominal input level (18 dB) (microphone)</td>
<td>-64</td>
</tr>
<tr>
<td>Maximum input level (18 dB) (microphone)</td>
<td>-34</td>
</tr>
<tr>
<td>Nominal input level (0 dB) (Line)</td>
<td>-12</td>
</tr>
<tr>
<td>Maximum input level (0 dB) (Line)</td>
<td>18</td>
</tr>
<tr>
<td>Nominal input level (18 dB) (Line)</td>
<td>-30</td>
</tr>
</tbody>
</table>
## Communications Systems - DCNM-FAI Flush audio interface

### Maximum input level (dBV) (18 dB) (Line)
0 dBV

### Gain selection (dB)
0; 6; 12; 18

### Electrical

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power consumption (W)</td>
<td>0.5 W</td>
</tr>
<tr>
<td>Operating voltage (VDC)</td>
<td>5 VDC</td>
</tr>
<tr>
<td>Output voltage (VDC) (phantom)</td>
<td>48 VDC</td>
</tr>
<tr>
<td>Output current (mA) (phantom)</td>
<td>8 mA</td>
</tr>
<tr>
<td>Output voltage (VDC) (LED)</td>
<td>4.5 VDC</td>
</tr>
<tr>
<td>Maximum output current (mA) (per LED color)</td>
<td>10 mA</td>
</tr>
</tbody>
</table>

### Mechanical

<table>
<thead>
<tr>
<th>Dimension (H x W x D) (mm)</th>
<th>82 mm x 122 mm x 28 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension (H x W x D) (in)</td>
<td>3.23 in x 4.80 in x 1.10 in</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>126.90 g</td>
</tr>
<tr>
<td>Weight (lb)</td>
<td>0.28 lb</td>
</tr>
<tr>
<td>Color in RAL</td>
<td>RAL 9017 Traffic black</td>
</tr>
</tbody>
</table>

### Environmental

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

<table>
<thead>
<tr>
<th>Operating temperature (°C)</th>
<th>5 °C – 45 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature (°F)</td>
<td>41 °F – 113 °F</td>
</tr>
<tr>
<td>Transportation temperature (°C)</td>
<td>-30 °C – 70 °C</td>
</tr>
<tr>
<td>Transportation temperature (°F)</td>
<td>-22 °F – 158 °F</td>
</tr>
<tr>
<td>Storage temperature (°C)</td>
<td>-5 °C – 45 °C</td>
</tr>
<tr>
<td>Storage temperature (°F)</td>
<td>23 °F – 113 °F</td>
</tr>
<tr>
<td>Operating relative humidity, non-condensing (%)</td>
<td>5% – 90%</td>
</tr>
</tbody>
</table>

### Ordering information

**DCNM-FAI Flush audio interface**
Flush-mounted audio interface for a 3rd 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**

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