Amphe-Dante

The perfect solution allowing the integration of analogue devices to a Dante™ enabled network

Features

- Line level analogue input to Dante™ audio output adapters
- Dante™AES3 two channel input/output adapters
- Dante™USB input/output adapters
- Durable overmolded housing
- Resilient cable strain relief
- Shielded RJ45 metal connectors with integrated LED’s
- Premium AX-Series XLR connectors

Areas of Application

- Simple connections of analogue equipment to a Dante™ network
- Installation in studios / theatres
- Events such as concerts / festivals
# Technical Data

## General

<table>
<thead>
<tr>
<th>Partnumber</th>
<th>RJD2103-0050</th>
<th>RJD2203-0050</th>
<th>RJD1112-0050</th>
<th>RJD1212-0050</th>
<th>RJD32A3-0050</th>
<th>RJD32U1-0050</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog Input 1 Channel</td>
<td>1 XLR-F</td>
<td>1 XLR-F</td>
<td>1 XLR-M</td>
<td>1 XLR-F</td>
<td>1 XLR-M</td>
<td>1 XLR-F</td>
</tr>
<tr>
<td>Analog Input 2 Channel</td>
<td>2 XLR-F</td>
<td>2 XLR-F</td>
<td>1 XLR-M</td>
<td>2 XLR-M</td>
<td>2 XLR-M</td>
<td>2 XLR-M</td>
</tr>
<tr>
<td>Analog Output 1 Channel</td>
<td>RJ45</td>
<td>RJ45</td>
<td>RJ45</td>
<td>RJ45</td>
<td>RJ45</td>
<td>RJ45</td>
</tr>
<tr>
<td>AES3 I/O 2 In 2 Out</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>USB I/O 2 In 2 Out</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

## Electrical

- **Power Consumption**: < 2 Watt
- **Power over Ethernet (Required)**: Class 1 IEEE 802.3af PoE PD compliant
- **Power over Ethernet**: PoE or USB

## Analog / Digital Audio

- **Max Signal Level (Balanced)**: +24 dBu / +4 dBu / 0 dBu
- **Impedance**: 20 k Ohm balanced
- **Frequency Response**: 20 Hz to 20 kHz (+/-0.5 db)
- **Dynamic Range**: >100 dB
- **Signal to Noise**: >100 dB
- **Total Harmonic Distortion**: <0.01% at +4 dBu
- **Channel Separation**: N/A
- **Channel Matching**: N/A

## DANTE® Audio

- **Asynchronous Sample Rate Conversion**: Yes
- **Sample Rate**: 44.1 kHz, 48 kHz (default), and 96 kHz
- **Bit Depth**: 24 bits
- **Network Speed**: 100 Mbps
- **Network Interface**: Latency from 1 ms
- **Network Transport**: Dante Audio over IP, AES67 RTP

## Climatic

- **Protection Class**: IP40
- **Operation Temperature**: -5°C to +60°C (23°F to +140°F)

## Mechanical

- **Insertion and Withdrawal Force**: ≥ 10N – ≤ 35N
- **Weight**: 136 g (0.299 lb), 192 g (0.423 lb), 136 g (0.299 lb), 192 g (0.423 lb), 192 g (0.423 lb), 110 g (0.243 lb)

## Materials

- **Housing**: PVC 60P Black

## LED Status

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>LEFT LED</th>
<th>RIGHT LED</th>
<th>COMMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>OFF</td>
<td>OFF</td>
<td>No Power</td>
</tr>
<tr>
<td>Device is booting</td>
<td>Solid GREEN</td>
<td>Solid RED</td>
<td></td>
</tr>
<tr>
<td>Slave with sync</td>
<td>Blinking GREEN</td>
<td>Solid GREEN</td>
<td>Normal operation</td>
</tr>
<tr>
<td>Clock Master</td>
<td>Blinking GREEN</td>
<td>Blinking GREEN</td>
<td>Normal operation</td>
</tr>
<tr>
<td>Any runtime error</td>
<td>Blinking GREEN</td>
<td>Blinking RED</td>
<td>Normal operation</td>
</tr>
<tr>
<td>Identify</td>
<td>Alternating RED and GREEN</td>
<td>Alternating RED and GREEN</td>
<td>Blinking for 6 seconds (cycle every 0.5 seconds)</td>
</tr>
<tr>
<td>Failsafe (bootloader)</td>
<td>Blinking RED</td>
<td>Blinking RED</td>
<td>Failsafe, Corrupt Capability (red in DC)</td>
</tr>
<tr>
<td>Upgrade (bootloader)</td>
<td>Blinking ORANGE</td>
<td>Blinking ORANGE</td>
<td>Device is upgrading</td>
</tr>
</tbody>
</table>

---

**All software can be purchased and downloaded at amphenolaudio.com/products/dante**

**General Information**

We reserve the right to change the design due to improvement in quality, development or production requirements. This data sheet must not be used in any form or manner without our prior approval in writing (Copyright, Law, Fair Trading Law, Civil Code). All technical data have been measured in a laboratory environment and can be different during practical usage of the product. Any product information is for descriptive usage only and not legally binding; particularly the information does not constitute or provide any legal guarantees ("Beschaffenheitsgarantie" or "Haltbarkeitsgarantie").

Amphenol Tuchel Industrial GmbH | August-Haeusser Strasse 10 | 74080 Heilbronn, Germany  
Phone: +49 7131 929-0 | E-mail: entertainment@amphenol.de | www.amphenol-industrial.de