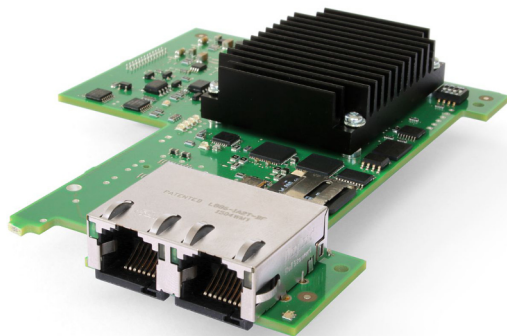


# DHD.audio

## Datasheet

52-7067A

## XC2 AES67 RAVENNA Interface



### Facts

- Internal module for XC2 and XS2 cores and 52-7310 concentrator
- Compatible with AES67 and RAVENNA enabled devices and virtual soundcards
- 2x Gigabit Ethernet
- Up to 64 streams (128 audio channels) in and 64 streams (128 audio channels) out<sup>1</sup>
- Integrated sample rate converters
- SMPTE ST2110-30 conformance level C

### Synchronisation

Configurable IEEE 1588-2008 PTPv2 synchronisation with support for 48 kHz and 44.1 kHz.

### Redundancy

Redundancy option with SMPTE ST2022-7 seamless protection switching available.<sup>2</sup>

### Control

Control via web interface, Ember+, AMWA NMOS IS-04 (IS-05 and IS-08 on roadmap).<sup>3</sup> SNMP support on roadmap. VLAN tagging for control data is possible.

32 GPIs and 32 GPOs for communication with multicast based playout drivers available.<sup>4</sup>

### Properties

Power consumption:	5 W
Weight:	462 g
Remarks:	May activate cooling fan in XC2 cores

<sup>1</sup> Depends on configuration and licensing, see maximum streams and audio channels section

<sup>2</sup> License 52-8541 extended feature upgrade 52-7067 required

<sup>3</sup> License 52-8543 NMOS extension 52-7067 required

<sup>4</sup> License 52-8542 GPIO extension for 52-7067 required

# DHD.audio

## Datasheet

The screenshot displays the DHD.audio AES67 RAVENNA web interface. On the left is a navigation menu with options: Configuration, Overview (selected), Streams, GPIO, System, Settings, and Logout. Below the menu is a 'Switch Interface:' section with a dropdown menu showing 'AES67-1.52\_TX.BKLV (this d...'. The main content area is divided into several sections: 'System Load' with three progress bars for 'Current System Load', 'Used TX Streams', and 'Used RX Streams'; 'System Status' showing 'Synchronisation' with 'Status' as 'MASTER', 'Sync Mode' as 'Masterslave', and 'Frequency' as '48 kHz'; 'Device Information' listing 'AES67-1.52\_TX.BKLV', 'Primary IP' (10.16.18.19), 'Secondary IP' (10.17.18.19), 'MAC Address' (00:0A:63:10:12:13), and 'Firmware Version' (6.2.9.13); 'Active TX Streams' (2) with a table showing two streams: 'Studio A PGM' and 'TEL-CF'; and 'Active RX Streams' (1) with a table showing one stream: '239.1.12.96'. An information icon is visible in the bottom left corner of the interface.

52-7067 Web Interface

## Maximum streams and audio channels

### Without 52-8541 license:

32 streams (64 audio channels) in and 32 streams (64 audio channels) out

### With 52-8541 license and redundancy off:

64 streams (128 audio channels) in and 64 streams (128 audio channels) out

### With 52-8541 license and redundancy on:

32 redundant streams (128 audio channels) in and 32 redundant streams (128 audio channels) out

The interface supports a maximum of 64 audio channels in one stream (in and out). Transmission and reception of more than 64 audio channels requires using 2 or more streams and 52-8541 license.

## Firmware Compatibility

Minimum Core Firmware: 8.1.27 (9.0.0 or higher recommended for full functionality)

## Links

Support - Documentation: <https://support.dhd.audio/doku.php?id=aes67:start>

RAVENNA partner: <https://www.ravenna-network.com/partners/a-f/dhd/>