

52-7567A

XC3 AES67 RAVENNA IP

Facts

- Internal module for XC3, XD3 and XS3 cores and 52-7510 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) out¹
- 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.²

Control

- Control via web interface
- Ember+
- AMWA NMOS IS-04, IS-05 ³
 - NMOS security - Best Common Practices BCP-003-01
- 32 GPIs and 32 GPOs for communication with multicast based playout drivers available.⁴
- VLAN tagging for control data is possible.

Discovery and Announcement Protocols

SAP, mDNS, NMOS IS-04

¹ Depends on configuration and licensing, see maximum streams and audio channels section

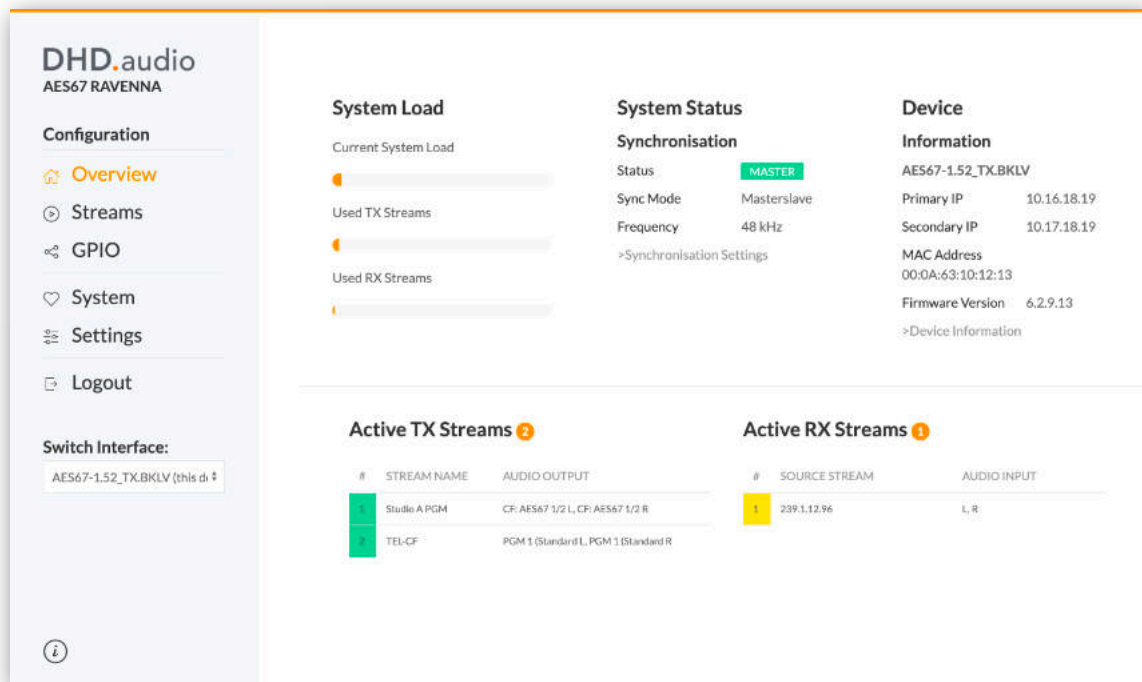
² License 52-8541 extended feature upgrade AES67 required

³ License 52-8543 NMOS extension for AES67 required

⁴ License 52-8542 GPIO extension for AES67 required

DHD.audio

Datasheet



52-7567 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.

Links

DHD Support Documentation:

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

RAVENNA:

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

AMWA:

<https://www.amwa.tv/members>