

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) 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 and IS-08 on roadmap).³ SNMP available.⁴ VLAN tagging for control data is possible.

32 GPIs and 32 GPOs for communication with multicast based playout drivers available.⁵

Properties

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

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

² License 52-8541 extended feature upgrade 52-7067 required. Minimum AES67 interface firmware v6.2.1, minimum core firmware v9.0.6 and minimum Toolbox v9.0.8 required.

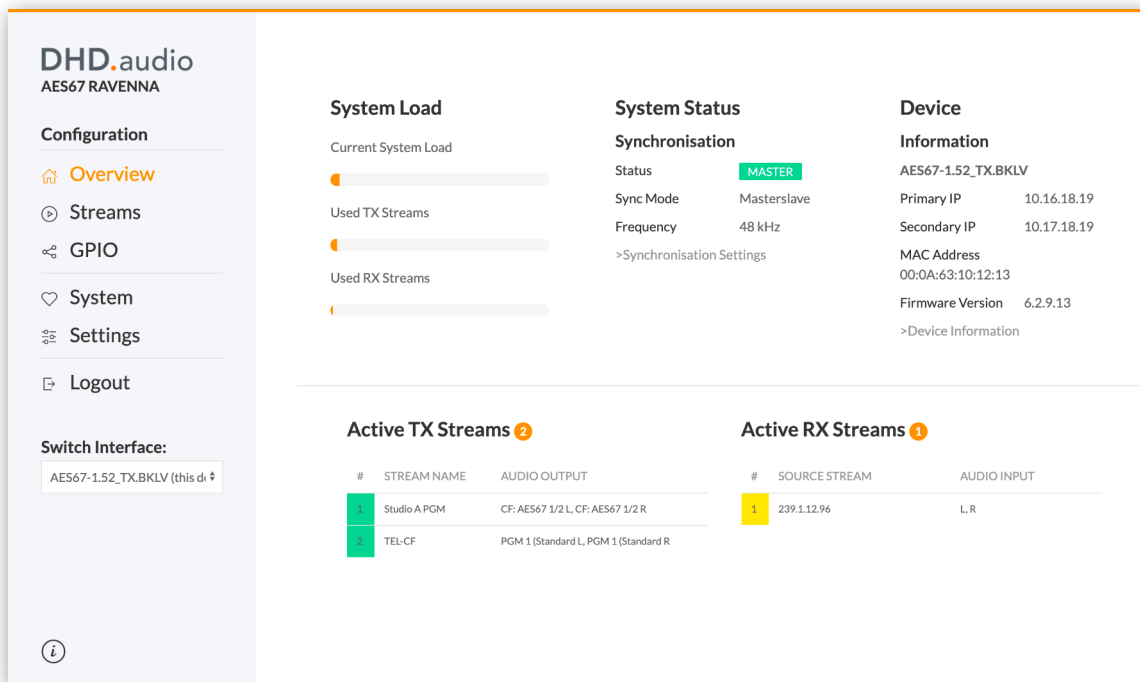
³ License 52-8543 NMOS extension 52-7067 required

⁴ License 52-8591 SNMP support required. SNMP requires minimum AES67 interface firmware v6.2.14.

⁵ License 52-8542 GPIO extension for 52-7067 required.

20 GPIs and 20 GPOs available with minimum AES67 firmware v6.1.1, minimum core firmware v8.1.35 and minimum Toolbox v8.1.25.

32 GPIs and 32 GPOs require minimum AES67 firmware v6.2.1, minimum core firmware v9.0.20 and minimum Toolbox v9.0.7 or higher.



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. Both network interfaces of the 52-7067 must be connected.⁶

With 52-8541 license and redundancy on:

32 redundant streams (128 audio channels) in and 32 redundant streams (128 audio channels) out. Both network interfaces of the 52-7067 must be connected.⁶

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.

DHD system Compatibility

Minimum core firmware version: v8.1.27 (v9.0.20 or higher recommended for full functionality)

Minimum Toolbox version: v8.1.22 (v9.0.8 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/>

⁶ License 52-8541 required. Minimum AES67 interface firmware v6.2.1, minimum core firmware v9.0.6 and minimum Toolbox v9.0.8 required.