

Munich, September 2018

RAVENNA gears up for a busy IBC 2018 as community expands

IBC 2018 is set to be the busiest yet for RAVENNA as the RAVENNA community continues to expand and with it, the number of new RAVENNA-enabled product announcements. It's also a consequence of the increasing adoption of the AES67 interoperability standard that has been championed by RAVENNA since its introduction in 2013, and now ST2110 which looks after the audio part of video-over-IP transmission. No fewer than eight RAVENNA partners are launching new products at IBC 2018, confirming RAVENNA's status as the number one audio transport technology for broadcast IP workflows.

New RAVENNA products launched at IBC 2018

Lawo (stand 8.B50) has announced the **A_WAN Series** of WAN-capable AoIP nodes for high quality mic/line/AES3 and dual-redundant MADi interfacing with SMPTE 2110-30/31, AES67 and RAVENNA support. A_WAN series devices also offer SMPTE 2022-7 class C streaming redundancy and PTP/Wordclock sync in a fanless, low-noise 1U format with dual redundant power.

Ross Video (11.B08, 11.C10 and 11.C23) has also been busy with the announcement of two new products: the **IGGY-MADI** is a RAVENNA/AES67- and ST2110-to-MADI AoIP converter which supports up to 80 channels per stream. Iggy also natively bridges/supports multiple audio networking technologies such as RAVENNA, Livewire+, Dante/SAP, NMOS, JSON and DashBoard.

Ross Video is also launching a drop-in replacement, pin-compatible module to Dante Brooklyn II, named [BACH Liberty](#). BACH Liberty features a fully compliant AES67 and ST2110 implementation, complete with full-stack support of NMOS, RAVENNA, Dante/SAP, Livewire+ and various other network control solutions. Equipment manufacturers no longer have to wait for full AES67 and ST2110 compliance, nor tie themselves to a single supplier for their audio networking technology.

Our friends at **Sonifex** (8.E61) have been as prolific as ever. AES67 (and by default, RAVENNA) is definitely the buzzword for them at IBC with the launch of a range of new multi-channel AES67 audio interface mix engines, the **AVN Portal** range for use in any application where mixing of signals is required. Two further additions have been made to the **AVN** range of **talkback intercoms** that link devices over a standard Ethernet network using AES67 for simple installation and web browser configuration.

Ward-Beck Systems (8.F57) is introducing the **PreMo-222**, a fully AES67- and ST2110-compliant dual mic preamp and dual stereo headset driver which connects performance to producers, voices to ears, talent to task and audio with networks. Featuring PoE plus

redundant local power supply, PreMo-222 is perfect for talk show radio, reporters on the go, live-casting, live sports commentary from the stadium, and more.

New from **DirectOut** (8.E85) is the **PRODIGY-MC** modular audio converter and router. Capable of routing up to 320 inputs and 324 outputs, the device provides eight converter slots for AD/DA, mic-pre and AES3 plus MAD1 and network audio option boards. A RAVENNA module supports AES67/ST2110 and ST2022-7 for redundant streaming; control is via globcon, a browser-based GUI and touch display.

Qbit (8.E49) unveils the new **QARION** RAVENNA Interface Series which interfaces AES3 and analogue audio with RAVENNA/AES67 networks. Easy to use, cost effective and compact, QARION offers straightforward ingress, egress and monitoring of RAVENNA/AES67 streams in audio networks and plug-and-play integration of legacy audio equipment to RAVENNA/AES67 networks. Available in four flavours: QARION Analog In, QARION Analog Out, QARION AES3 In/Out, QARION Headphone.

GatesAir (8.D60) is launching the **Intraplex IP Link 200A** codec which provides two full duplex stereo channels with RAVENNA/AES67 compatibility. The model also supports AES3/Analog channel for mix-mode operation. IP Link 200A features three network interfaces with patented Dynamic Stream Splicing and SynchroCast® technologies for transport reliability and SFN application.

Last, but by no means least, **DHD Audio** (8.B31) presents the versatile **RX2** mixing console designed for the most demanding radio and TV broadcast environments. Fully RAVENNA/AES67-compliant, RX2 features integrated touch screens for fader modules and central modules and from 6 to 60 faders in a slim table-top design.

ENDS

About RAVENNA:

RAVENNA is a technology for real-time distribution of audio and other media content in IP-based network environments. Utilizing standardized network protocols and technologies, RAVENNA can operate on existing network infrastructures. RAVENNA is designed to meet the strict requirements of the pro audio market featuring low latency, full signal transparency and high reliability.

While primarily targeting the professional broadcast market, RAVENNA is also suitable for deployment in other pro audio market segments like live sound, fixed installations, and recording. Possible fields of application include (but are not limited to) in-house signal distribution in broadcasting houses, theaters, concert halls and other fixed installations, flexible setups at venues and live events, OB van support, inter-facility links across WAN connections and production & recording applications.



RAVENNA
AES67 built-in



Unlike most other existing networking solutions, RAVENNA is an open technology standard without a proprietary licensing policy. RAVENNA is fully compatible with the AES67 and ST2110 standards. Liaisons with standards organizations and industry alliances (e.g. AES, AIMS, AMWA, SMPTE and others) ensure the close alignment of RAVENNA technology with current industry trends.

About ALC NetworX GmbH:

ALC NetworX is an R&D company in Munich, Germany, whose team of highly regarded pro audio experts with in-depth knowledge of networking technologies developed the RAVENNA technology platform. While ALC NetworX will continue to keep the lead role in the RAVENNA technology development, product implementations are executed by individual partner companies, such as Archwave, Genelec, Lawo, Merging, Riedel, Ross Video, Sonifex and others. For a complete list of current partner companies, please see <http://www.ravenna-network.com/partners/>.

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