NEWS RELEASE

10th August 2016

New AoIP Product Releases From Sonifex at IBC 2016

Since joining the RAVENNA group in 2012, Sonifex have been working on new products which use Audio over IP as their main audio transport mechanism and more specifically are RAVENNA/AES67 compatible. IBC 2016 sees the launch of two different products.

The **AVN-GMCS** PTPv2 Grandmaster Clock with GPS Receiver

The **AVN-TB** Range of Talkback Intercoms Using Audio Over IP, RAVENNA/AES 67

Further information on these follows.

For more information, please email sales@sonifex.co.uk call +44 1933 650700 or go to the Sonifex website at http://www.sonifex.co.uk

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The AVN-GMCS PTP Grandmaster Clock is now Shipping

Announced at the end of last year, the AVN-GMCS is a PTP GPS receiver and grandmaster clock used for synchronising AoIP audio networks, such as those used by RAVENNA and AES67. IEEE1588-2008 PTPv2 (precision time protocol) is used to synchronise all the nodes within a network. To achieve this one of the nodes must become the master clock and distribute time packets to the others. The AVN-GMCS is designed to perform this role simply and accurately, enabling sub micro second synchronisation between all nodes.

This year, trials have been performed by other manufacturers using the unit to sync their AoIP networks to ensure compatibility and now that these have been successful, the product has been released. Some new features that have been added into the latest hardware include:

- The front screen now displays the number of GPS satellite signals received.
- More PTP profiles have been added (including the default RAVENNA, media AES67 and AES-R16 SMPTE 2059-2 and AES67 interoperable profile) together with a 'custom' profile for creating your own.
- A front display screen saver which shows the current time.
- A real time clock has been added to the unit so that accurate time/day will be available even after being repowered.
- The new web interface is responsive so it can be used on mobile devices and smaller screens.
- The PPS and wordclock outputs are interchangeable so either output can be used for wordclock or PPS.

The AVN-GMCS is now available for shipping, for more information, please email sales@sonifex.co.uk call +44 1933 650700 or go to the Sonifex website at http://sonifex.co.uk/avn/avn-gmcs.shtml

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NEWS RELEASE

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Sonifex Announce Talkback Intercoms Using AoIP, RAVENNA/AES 67

The new range of **Sonifex AVN** (Audio/Video/Network) talkback/listening/paging intercoms aid communication between studios, stages, theatres, offices and different areas in a facility or building complex. RAVENNA (of which AES67 is a subset) allows for the distribution of audio across a network. The AVN range use RAVENNA as the communication method providing compatibility with other AES67 systems and allowing simple CAT 5 cabling and expansion.

The AVN-TB products are IP audio based talkback intercom units with an advanced feature set, allowing them to be used in multiple applications. With both 4-wire analogue inputs and outputs, as well as AoIP network audio connectivity, the AVN-TB units can be used with existing legacy 4-wire systems and with new AES67 AoIP networked audio infrastructure. Additionally, all audio is at 48kHz sample rate, meaning that it's broadcast quality audio as standard. With dual 1Gb lan ports and a 1Gb SFP fibre port the products can be used in larger networks.

The first intercom to be released is the **AVN-TB10AR**, a **10 button intercom** meaning that 10 other 'stations' can be defined, one per button, for communication. Comms can be made as a Talk action, a Listen action or a duplex Talk/Listen action to/from each station. Coloured LEDs in the buttons help to show which action is being used and there is also a Callback button for when you're unavailable to receive a call.

The stations can be from anywhere on the AoIP network and the use of Bonjour Device Discovery means that other stations can be found quickly and easily.

Advanced acoustic echo cancellation & built-in microphone AGC (automatic gain control) ensure that there's no acoustic feedback between microphone and speaker.

Each unit has a built-in webserver which is where the majority of settings and configurations are made. The front panel OLED display can also be used to configure the unit, although more functionality is available by using the webserver. The webserver is a responsive design meaning that it can be used with small screens on smartphones and tablets.

The unit has a front panel power button and dual power connectors - an IEC mains input and a 12V DC input, which allows the AVN-TB10AR to be used for both studio and mobile installations. Also, a secondary power source reduces the effect of power down events. In any case, the unit monitors the status of both power sources and displays this on the front panel.

For more information on the AVN-TB range, please email sales@sonifex.co.uk call +44 1933 650700 or go to the Sonifex website at http://sonifex.co.uk/

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