



SONIFEX

New Products October 2017



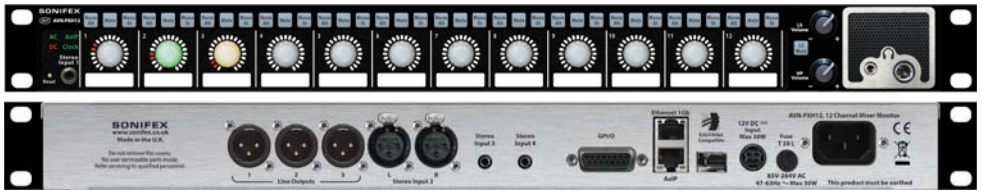
AES67 12 x 2 Channel Mix Monitor

A 1U rackmount unit for mixing & monitoring up to 24 x AoIP streams into headphones, speaker and analogue outputs.



AES67 now!

AVN-PXH12 12 x 2 Channel Mixer Monitor, AoIP AES67



- 12 x 2 stereo channel inputs with 12 x input selectors.
- 12 x solo buttons, 12 x stereo/mono buttons.
- Inputs mixed to 2 x stereo headphones & speaker with separate volume controls.
- AoIP inputs/outputs configured via webserver.
- 12 x rotary encoders showing input level metering and output volume control.
- Dual 1Gb Ethernet & 1Gb SFP port.
- AC & 12V DC power inputs.
- 4 x stereo analogue audio inputs.
- 3 x analogue audio outputs.
- Configurable GPIO.

Talkback Intercoms Using AES67 AoIP

There are new 6 button and 20 button additions to the Sonifex AoIP talkback intercom range.

AVN-TB6 6 Button Talkback Intercom

This is a 6 station version for smaller talkback systems, or for areas with reduced communications needs.



- 6 illuminated key-cap Talk buttons plus Listen & Page buttons.
- Dual 1Gb Ethernet & 1Gb SFP port.
- Mic & headset inputs, headphone & speaker outputs with volume control.
- Loudspeaker & Mic Mute buttons.
- Dual AC & DC power supply inputs.
- Advanced echo cancellation & mic AGC to prevent acoustic feedback.
- 10 user assignable GPIO ports.
- Responsive design Ethernet webserver.

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Talkback Intercoms Using AES67 AoIP...continued

AVN-TB6D 6 Button Talkback Intercom, Desktop

The AVN-TB6D is a desktop version of the AVN-TB6 intercom with a smaller form factor and an elegant sloped front. It has the same feature set and connectivity.



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- User definable button.
- Speaker & microphone mute buttons.
- Mic & headset inputs.
- Headphone & speaker outputs.
- Front panel volume control which operates on speaker headphone outputs and incoming source levels.
- +48V phantom power for the mic inputs.
- Ethernet webserver control & configuration.
- Sources and destinations from/to AoIP.
- Advanced echo cancellation & mic AGC to prevent acoustic feedback.
- Dual 1Gb Ethernet & 1Gb SFP port.
- 10 user assignable GPIO ports.
- Front panel LEDs for network audio presence, Talk activity, AGC activity, clock sync and power supply activity.
- Front panel monitor button for routing audio directly to the speaker e.g. to take an IFB feed or off-air transmission signal.
- Ducking or mixing of inputs.

- 6 illuminated key-cap Talk buttons.
- Listen & Page buttons.

AVN-TB20AR 20 Button Advanced Talkback Intercom, Rackmount

The AVN-TB20AR is a 2U rackmount 20 button version of the AVN-TB10AR with the same specification, but more station buttons allowing greater communication for larger facilities.



- 20 illuminated key-cap Talk buttons plus Listen & Page buttons.
- Page button and Group Talk facilities.
- Phone button for remote dialling and control of an external telephone hybrid.
- Dual 1Gb Ethernet & 1Gb SFP port.
- Mic & headset inputs (front & rear panel headset connection), headphone & speaker outputs.
- Dual AC & DC power supply inputs.
- Sources from AoIP, 1 x balanced, 2 x unbalanced and S/PDIF digital inputs.

AVN-TB20AD 20 Button Advanced Talkback Intercom, Desktop

The AVN-TB20AD is a desktop version of the rackmount AVN-TB20AR intercom with a smaller form factor and an elegant sloped front. It has the same feature set and connectivity *.



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- +48V phantom power for the mic inputs.
 - Ethernet webserver and front panel control & configuration.
 - Front panel display providing source & destination information.
 - Sources from AoIP, 1 x balanced, 2 x unbalanced & S/PDIF digital inputs.
 - Destinations to AoIP or rear panel balanced & unbalanced outputs.
 - Advanced echo cancellation & mic AGC to prevent acoustic feedback.
 - Dual 1Gb Ethernet & 1Gb SFP port.
 - 10 user assignable GPIO ports.
 - GPIO button for triggering external events, via physical GPIO or network commands.
 - Front panel LEDs for network audio presence, Talk activity, AGC activity, clock sync and power supply activity.
 - Two front panel monitor buttons for routing audio directly to the speaker e.g. to take an IFB feed or off-air transmission signal.
 - Ducking or mixing of inputs to speaker/headphones.
 - Dual AC & DC power supply inputs.
- * Except for an additional headset connector on the rear of the AVN-TB20AR.
- 20 illuminated key-cap Talk buttons plus Listen & Page buttons.
 - Phone button for remote dialling and control of an external telephone hybrid.
 - Page button and Group Talk facilities.
 - Callback button with callback source display.
 - Three user definable buttons.
 - Speaker & microphone mute buttons.
 - Mic & headset inputs, headphone & speaker outputs.
 - Front panel volume control which operates on speaker headphone outputs and incoming source levels.

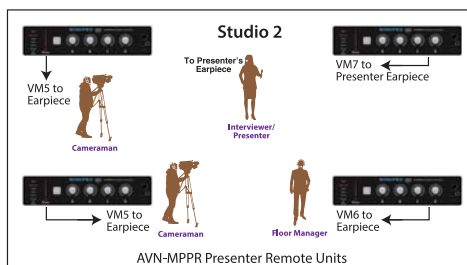
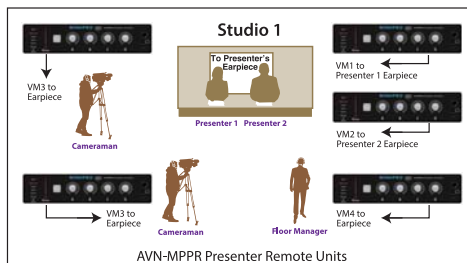
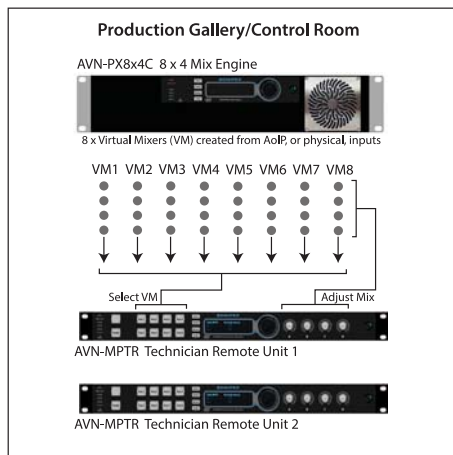


Presenter Talkback Control System Using AES67 AoIP

A mix engine forms the central core of a powerful presenter talkback system allowing up to 32 Presenter Remote units to control the mix outputs of 1 of 8 virtual mixers (VMs), each with 4 mono channels. Technician Remote units can oversee all VMs, adjusting the level of the 4 mono inputs of each VM.



System Overview 1



AES67 now!

AVN-PX8X4C 8 x 4 Channel Mix Engine, 24 Inputs, 16 Outputs, AoIP AES67



The mix engine houses the hardware where the complex routing, mixing and DSP functions are performed. This resilient 2U rack has dual hot-swappable AC power supplies and both 1Gb Ethernet & SFP ports.

- 8 virtual mixers, each with 4 mono channel inputs to one mono output.
- Virtual mixers controlled by connected technician and presenter remote controls.
- Sophisticated configuration via webserver.
- 24 analogue inputs and 16 analogue outputs on D-type connectors.
- 32 logical inputs & 10 logical outputs using AoIP.
- Dual hot-swappable AC power supplies.
- 2 x 1Gb Ethernet ports & 1 x SFP port.
- Status LEDs and OLED display.
- 20 x configurable GPIO ports.

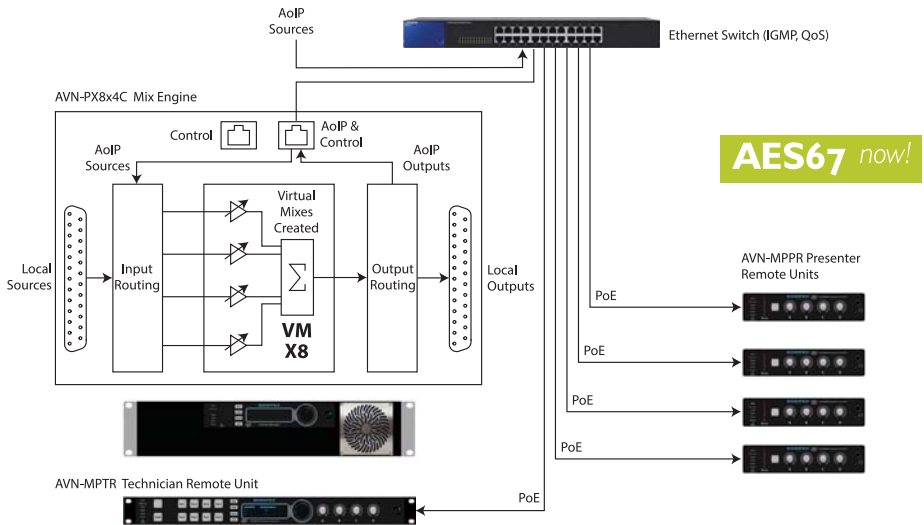


AVN-MPTR Technician Remote Controller



- Allows selection of each of 8 VMs and remote adjustment of volume controls.
- 8 virtual mixer select buttons.
- 4 x rotary encoders showing input level metering and output volume control.
- GPO enable and activation buttons.
- 1Gb PoE Ethernet and power using Neutrik Ethercon.
- Status LEDs and OLED display.
- 10 x GPIO ports.
- Configured via webserver.

System Overview 2



AVN-MPPR 4 Channel Presenter Remote Controller, AoIP AES67



The presenter remote controls the 4 channels of a virtual mixer, using four rotary encoder volume controls which give visual feedback for mix level of the source and actual input level.

Multiple units can simultaneously control any of the 8 virtual mixers in the main mix engine with the number displayed on the front panel of the virtual mixer being controlled.

Front panel 1/4" and 3.5mm headphone outputs allow monitoring, together with a rear panel XLR output. Audio is transported from the mix engine to the remote using AoIP with a single PoE Neutrik™ Ethercon network connection. A front panel button can be used to actuate one of the ten GPIO pins.

Units can be mounted on a standard microphone screw thread or under a desktop using optional accessories.

Multi-Channel Audio Interfaces Using AES67 AoIP - AVN Portals

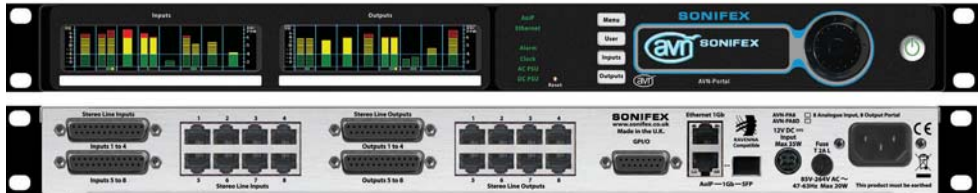


AES67 now!

These are a range of 3 audio interface portals which mix and route analogue, AES3, microphone & AES67 stream inputs to analogue, AES3 & AES67 outputs.

Each of the portals can be ordered either with the input/output metering displays (D version) or without and there are two options for rear panel connectivity - with XLR/RJ45 connectors or terminal block (T version) connectors. All units have input and output level trim and output limiters.

AVN-PA8D 8 Stereo Analogue Line Inputs & Outputs, AES67 Display Portal



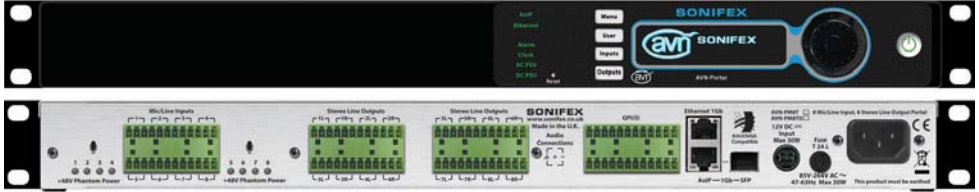
- 8 x stereo line inputs and 8 x stereo line outputs on D-type sockets with AES59 analogue pinout, paralleled with 8 x RJ45 connectors using StudioHub® pinout.
- 'T' version has audio I/O on terminal blocks.
- 'D' version has input & output metering.
- Input/output full-scale line-up.
- Responsive webserver software router/mixer.
- 16 x additional sources from AoIP and 16 additional destinations to AoIP.
- Dual 1Gb Ethernet & 1Gb SFP port.
- Dual AC & DC power supply inputs.
- 10 user assignable GPIO ports.

AVN-PD8 8 Stereo Digital Line Inputs & Outputs, AES67 Portal



- 8 x stereo digital AES3 inputs and 8 x stereo digital AES3 outputs on D-type sockets with AES59 pinout, paralleled with 8 x RJ45 connectors using StudioHub® pinout.
- 'T' version has audio I/O on terminal blocks.
- 'D' version has input & output metering.
- Individual input sample rate conversion.
- Responsive webserver software mixer/router to mix any input to any output.
- Input and output gain adjustment.
- 16 x additional sources from AoIP and 16 additional destinations to AoIP.

AVN-PM8T 8 Mic/Line Inputs, 8 Line Outputs, Terminal Block, AES67 Portal



- 8 x mic/line inputs on XLR sockets (or terminal blocks as shown here).
- 3mm red LED phantom presence indication for each microphone input.
- 'T' version has 8 x stereo line outputs on terminal block connectors.
- Non 'T' version has outputs on D-type sockets with AES59 analogue pinout, paralleled with 8 x RJ45 connectors using StudioHub® pinout.
- 'D' version has input & output metering.
- Input and output gain/trim adjustment.
- Additional mic pre-amp gain adjustment.
- Output connections capable of supplying analogue power to satellite headphone amplifiers.
- Responsive webserver software router/mixer.
- 16 x additional sources from AoIP and 16 additional destinations to AoIP.
- Dual 1Gb Ethernet & 1Gb SFP port.
- Dual AC & DC power supply inputs.
- 10 user assignable GPIO ports.



AES67 now!

Headphone Amps for AVN Portals

Connect these to the output of the portals to provide a simple headphone amplifier with volume control and button tally. Up to 8 can be connected to each AVN portal.

AVN-HA1 Analogue Headphone Amp for AVN-PA8/D & AVN-PM8/D Portals

- Front panel 6.35mm (1/4") headphone socket and volume control knob, with mute/GPO push button.
- Analogue audio input on RJ45 (the connector provides power to the unit and a GPO back to the portal).
- Loop through audio output on RJ45 (power and GPO signal are not connected).
- Locking DC power connector if a portal is not being used to supply the unit with power.



AVN-HD1 Digital Headphone Amp for AVN-PD8/D Portal

- Front panel 6.35mm (1/4") headphone socket and volume control knob, with mute/GPO push button.
- AES digital output on RJ45 (power and GPO signal are not connected).
- Locking DC power connector if a portal is not being used to supply the unit with power.



Passive Packs

The passive packs are a range of small utility products which use transformers to change audio input & output impedances and levels and to distribute audio signals.



Headphone Amplifiers

CM-HPR1 Headphone Volume Control

This allows the connection of a stereo balanced line input via a RJ45 with StudioHub+™ pinout and creates a headphone output,

with level control. It is transformer balanced, and can be used with any headphones above 150Ω impedance.



CM-HPX1 Headphone Volume Control

This allows the connection of a stereo balanced line input via 2 x female XLRs and creates a headphone output, with level control.



Matching Amplifiers

CM-LUR1 Balanced to Unbalanced Audio Converter

This allows the connection of a stereo balanced line input via RJ45 with StudioHub+™ pinout to a

stereo unbalanced output on stereo phono connectors.



CM-LUX1 Balanced to Unbalanced Audio Converter

This allows the connection of a stereo balanced line input via 2 x

female XLRs to a stereo unbalanced output on phono connectors.



CM-ULR1 Unbalanced to Balanced Audio Converter

This allows the connection of a stereo unbalanced line input on phono connectors to a balanced line

output via a RJ45 with StudioHub+™ pinout.



CM-ULX1 Unbalanced to Balanced Audio Converter

This allows the connection of a stereo unbalanced line input on

phono connectors to a balanced line output via 2 x male XLRs.



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