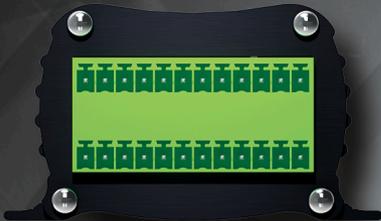


SONIFEX

Audio Solutions for AV & Broadcast Media

Products Overview



www.sonifex.co.uk

Dante® & AES67 AoIP Products

The new AVN (Audio Video Network) products are designed to operate over a standard CAT5 infrastructure, offering Dante®, AES67 AoIP compatibility and simple web server configuration.

Dante® AVN-CU1 Dante Commentary Unit for 1 Commentator

The AVN-CU1 adds to the Sonifex range of Dante commentary units with a simple to use, single microphone/headphone combination with a full feature set and a low price point.

The headphone amplifier has five inputs: three talkback channels, programme and sidetone, each with an individual potentiometer for level control. Audio output routing is controlled by illuminated pushbuttons. There's an OLED display for setup and configuration, a high impact LED bar graph for metering in daylight, individual headphone routing per audio source and downlighting to indicate status.



Also available is the AVN-CU2 & AVN-CU4 Configurable Dante Commentary Unit

Dante® Small DIO Audiophile Dante® Interfaces



Dante® Large DIO Audiophile Dante® Interfaces

If you're putting audio onto your Dante® network, make it the best audio quality that it can be, by using the Sonifex DIO audiophile Dante® interfaces. These simple plug and play audio interfaces provide a convenient and elegant method of connecting legacy analogue and digital audio equipment to the Dante AoIP audio network.

What's the difference between these units and others? The audio quality. We're using A/D and D/A circuitry that provides analogue performance that's 10 times better than similar competing products, offering **>120dB of dynamic range**.

- AVN-DIO01 Dante to Analogue XLR Stereo Output
- AVN-DIO02 Analogue XLR Stereo Input to Dante
- AVN-DIO03 Dante to Headphone Output (1/4" & 3.5mm Jacks) With Volume Control & Limiter
- AVN-DIO04 Dante to Analogue Phono Stereo Input & Output
- AVN-DIO05 Dante to Analogue Terminal Block Stereo Input & Output
- AVN-DIO06 Dante to AES3 XLR Stereo Input & Output
- AVN-DIO07 Dante to AES3 BNC Stereo Input & Output
- AVN-DIO08 Dante to AES3 Terminal Block Stereo Input & Output
- AVN-DIO09 Microphone Input to Dante
- AVN-GPIO GPIO to LAN Transceiver

AVN-DIO10-12G Dante® to 3G/HD/SD-SDI Embedder/ De-Embedder



- AVN-DIO10 Dante® to 3G/HD/SD-SDI Embedder/De-Embedder
- AVN-DIO12 Dual Microphone Input to Dante® with Mic Gain Converter
- AVN-DIO14 Dante® to XLR Analogue Stereo Input & Output
- AVN-DIO15 4 Analogue XLR Inputs to Dante®
- AVN-DIO16 Dante® to 4 Analogue XLR Outputs
- AVN-DIO19 Dante® to AES3 16 Channel I/O Converter
- AVN-DIO20 Dante® to MADI AES3 64 Channel I/O Converter

AVN-AH8 8 Stereo Headphone Outputs Dante Interface

NEW



The AVN-AH8 multi-channel headphone amplifier is a 1U rack-mount which distributes 2 sets of stereo audio to up to 8 different sets of headphones, fed from the Dante AoIP network.



AVN-GPIO GPIO to LAN Transceiver NEW

The AVN-GPIO converts GPIO (General Purpose Inputs & Outputs) to network commands to control, and be controlled by, other equipment or software across a standard network.



Multi-Channel Dante® Audio Interfaces

These new Dante® audio interfaces convert balanced analogue audio line inputs and outputs to Dante AoIP. Simple to configure and operate, these cost effective rack-mount solutions offer an easy solution for AV professionals and system integrators, with PoE power and AES67/DDM compatibility.



AVN-AIO4 4 Input, 4 Output Dante® Interface, PoE

- AVN-AIO4** 4 Input, 4 Output Dante® Interface, PoE
- AVN-AIO8** 8 Input, 8 Output Dante® Interface, PoE
- AVN-AIO8R** 8 Input, 8 Output, Dual Dante® Interface, PoE
- AVN-AI16** 16 Input Dante® Interface, PoE
- AVN-AI16R** 16 Input Dual Dante® Interface, PoE
- AVN-AO16** 16 Output Dante® Interface, PoE



AVN-AO16R 16 Output Dual Dante® Interface, PoE

- AVN-AO16R** 16 Output Dual Dante® Interface, PoE
- AVN-AESIO8** 8 AES3 Input, 8 AES3 Output Dante® Interface, PoE
- AVN-AESIO8R** 8 AES3 Input, 8 AES3 Output Dual Dante® Interface, PoE



AVN-AESIO8R 8 AES3 Input, 8 AES3 Output Dual Dante® Interface, PoE

PTP Grandmaster Clock with GPS Receiver



The AVN-GMCS is a GPS receiver and PTPv2 grandmaster clock for use with AoIP applications. IEEE1588-2008 PTPv2 (precision time protocol) is used to synchronise all the nodes within a network. The AVN-GMCS supports the Default (RAVENNA) & Media (AES67) Profiles and has PTPv2 time stamping resolution to 8nsec. Options for precision onboard crystals provides accurate holdover sync if the GPS signal is lost. The unit also has physical wordclock, AES and PPS outputs for studio use.

avn RAVENNA

AES67

RAVENNA
AES67 & ST 2110 Audio

EMBER+

12 x 2 Channel AES67 Mix Monitor



The AVN-PXH12 is a world first – it can simply and effectively simultaneously monitor and mix up to 24 x AES67 AoIP sources in a compact 1U rack to a speaker/headphone combination in a quick and intuitive way.

AES67

RAVENNA
AES67 & ST 2110 Audio

EMBER+

Multi-Channel Audio Interfaces Using AES67



AVN-PA8 Front View



AVN-PA8D Front View



AVN-PA8 & AVN-PA8D Rear View

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

- AVN-PA8D** 8 Stereo Analogue Line Inputs & Outputs
- AVN-PD8** 8 Stereo Digital Line Inputs & Outputs
- AVN-PM8** 8 Mic/Line Inputs, 8 Line Outputs

Each of the portals can be ordered either with the input/output metering displays (D version) or without. All units have input/output/crosspoint level trim and output limiters.

IP Streamers

The Pro Audio Streamers are a range of three IP to audio and audio to IP streamers.

They each have professional analogue and digital inputs/ outputs and allow audio to be streamed around a building, wan or lan using IP audio and CAT5 cabling infrastructure.

The **PS-SEND-SD** which converts an audio input to an IP stream.

The **PS-PLAY** which reads an IP stream and outputs to balanced and unbalanced audio line levels.

The **PS-AMP** which reads an IP stream and outputs audio to stereo speakers.



PS-SEND-SD Audio to IP Streaming Encoder.

Audio Monitors

The Reference Monitor Range is a series of rack-mount audio monitors, combining the latest DSP technology with outstanding audio enclosure design to produce monitors of the highest standards with exceptional sound quality, a comprehensive feature set and good looks in the rack.

Reference Monitors



RM-4C8 Reference Monitor, 4 LED Meters, 8 Channel Inputs & Dual Source Selectors.

Confidence Monitors



RM-CAD8 Confidence Monitor, 2 LED Meters, 2 Analogue & 6 Digital Stereo Inputs.

Reference Monitor Controllers



RM-MC51L Monitor Controller, 5.1 Stereo Inputs & Outputs With Light Control.

LED Studio & Room Signs



The SignalLED range of illuminated RGB LED signs are designed for use outside recording, on-air & production studios, meeting rooms, conference rooms and for fixed installations.

Low Energy Illuminated Signs:

- Low power consumption, only 4W.
- Maintenance free, LED lighting.
- Multi-coloured RGB LEDs offering 9 different colours.
- Sign can be made to flash, pulse, fade and be on or off.
- Flush-mounting as standard, end/ceiling-mounting kits.
- 20cm (8") or 40cm (16") widths or 2 x 20cm (2 x 8").
- Standard wording includes: MIC LIVE, ON AIR, RECORD, PHONE, TRAFFIC FLAG ON, AD BREAK, TX, REH, REHEARSAL, DOOR, OBIT, NO ENTRY, EXIT, SILENCE PLEASE, MEETING IN PROGRESS, INTERVIEW IN PROGRESS.
- Custom signs - company logos, different wording or graphics.
- 2 x GPIs for light switch, or fader GPO control.
- Supplied as standard as red/green switching.
- Programmer colours, etc, using LD-RPC remote.
- Supplied complete with fixings & DC power supply.

Radio Broadcast Mixing Consoles

The S0v2, S1 and S2 mixers are high quality radio broadcast consoles offering all the features needed for professional use in small scale community, commercial and student radio.

S0v2 Radio Broadcast Mixer

The **S0v2** is a high quality yet simple to operate radio broadcast mixer ideally suited to community radio stations, for educational purposes and for internet radio.



S1 Digital/Analogue Radio Broadcast Mixer

The **S1** has an amazing feature set and offers a proper broadcast solution to community, educational and student radio stations that need a versatile, reliable radio broadcast mixer.



S2 - Digital I/O Analogue Radio Broadcast Mixer

The **S2** combines all the features needed of a modular radio broadcast mixer in a stylish, flush-mounting chassis.



Talkback & IFB

Talkback and IFB facilities for small OB trucks with a talkback controller & headphone amplifier belt packs.

CM-TB8 8 Channel Talkback Control Unit

The **CM-TB8** is a powerful and highly flexible self contained communications unit allowing multiple 4-wires and IFBs within a single 1U rack space.



CM-TB8 8 Channel Talkback Control Unit.

CM-TB8G/T GSM & Telco Options for CM-TB8

Plug-in cards allow two channels of the 4 wire/IFB comms to talk to either 2 x GSM lines or 2 x POTS lines with full duplex communication.

Commentary

Commentary units consist of the single position **CM-CU1** Commentator Unit and the **CM-CU21** Commentator Unit for 2 Commentators & 1 Guest.

CM-CU1
Commentator Unit
1 Commentator &
Line Input.



CM-CU21
Commentator Unit
2 Commentators & 1
Guest.



Belt Packs

Two ergonomic, battery powered belt-packs:

The **CM-BHA** is a headphone amplifier for use in live applications. The **CM-BH4W** is a 4 wire & 2 wire portable communication unit.



Redbox Audio & Video Interfaces



Redbox is a range of products used for interfacing equipment in radio and TV broadcast networks. They are the 'glue' which hold broadcast infrastructure together, simply fit and forget them.

Digital Audio Converters



RB-ADDA2 Combined A/D and D/A Converter, 24bit 192kHz.

- RB-ADDA** Combined A/D and D/A Converter.
- RB-ADDA2** Combined A/D and D/A Converter, 24bit 192kHz.
- RB-SC2** Dual Sample Rate Converter, 24bit 192kHz.
- RB-DAC1** Digital to Analogue Converter.

Synchronisation Add-On Boards

- RB-SYA** Analogue Video Sync Add-On Board.
- RB-SYD** Digital Video Sync Add-On Board.
- RB-SYE** AES/EBU Sync Board.
- RB-SYW** Word Clock Sync Board.

Synchronisers, Delays & Silence Detectors

- RB-DS2** Stereo Delay Sync & Time Zone Delay.
- RB-DS2R** Remote Switch Panel For RB-DS2.
- RB-PD2** Stereo Profanity Delay.
- RB-DD4** 4 Channel Digital Audio Delay.
- RB-AEC** Acoustic Echo Canceller.
- RB-SD1** Silence Detect Unit.
- RB-SD1IP** Silence Detection Unit With Ethernet & USB.
- RB-DSD1** Digital Silence Detect Unit.
- RB-DSD8** 8 Channel Silence Switcher.
- RB-FS42** Audio Failover Switcher, 4 Main I/O, 2 Standby I/O
- RB-FS82** Audio Failover Switcher, 8 Main I/O, 2 Standby I/O.

Matching Converters

- RB-UL2** Dual Unbalanced to Balanced Converter.
- RB-UL4** Quad Unbalanced to Balanced Converter.
- RB-LU4** Quad Stereo Balanced to Unbalanced Cnvrtr.
- RB-BL2** Unbalanced to Balanced Bi Directional Converter.
- RB-BL4** Dual Stereo Bi-Directional Matching Amplifier.
- RB-PA2** Dual Stereo RIAA Phono Amplifier.
- RB-LI2** Stereo Line Isolation Unit.
- RB-PLI6** 6 Way Mono Passive Line Isolation Unit.

Audio Distribution Amplifiers

- RB-DA6** 6 Way Stereo Distribution Amplifier.
- RB-DA6G** 6 Way Stereo Distribution Amplifier With Output Gain Control.
- RB-DA6P** 6 Way Stereo Distribution Amplifier With Phoenix Connectors.
- RB-DA6R** 6 Way Stereo Distribution Amplifier With RJ45 Connectors.
- RB-DA6RG** 6 Way Stereo Distribution Amplifier With RJ45 Connectors & Output Gain Cntrl.
- RB-DA4x5** 4 Input, 4 x 5 Output Distribution Amplifier/Mixer.
- RB-DDA6A** 6 Way AES/EBU Digital Distribution Amplifier.
- RB-DDA6A-2P** 6 Way Stereo AES/EBU Digital Distribution Amplifier with Dual Power Supplies.
- RB-DDA6S** 6 Way S/PDIF Digital Distribution Amplifier.
- RB-DDA6W** 6 Way Word Clock Distribution Amplifier.
- RB-DDA6W-2P** 6 Way Word Clock Distribution Amplifier with Dual Power Supplies.
- RB-DDA6A3** 6 Way Stereo AES3ID Digital Audio Distribution Amplifier.
- RB-DDA22** Digital Audio Distribution Amplifier With Multiple Outputs.
- RB-DA24MD** 24 Way Mono Audio Distribution Amplifier.
- RB-AES4B3** Quad 3 Way Passive AES3ID Splitter BNC Connectors.
- RB-AES4X3** Quad 3 Way AES/EBU Splitter XLR Connectors.
- RB-MS4X3** Quad 3 Way Passive Microphone Splitter.
- RB-MSP6** 6 Way Phantom Power Supply.

These are also available as single 1 x 3 products

Headphone Distribution Amplifiers

- RB-HD1** Stereo Headphone Amplifier.
- RB-HD2** Dual Stereo Headphone Amplifier.
- RB-HD6** 6 Way Headphone Distribution Amplifier.
- RB-DHD6** Digital 6 Way Headphone Distribution Amp

Mixers, Source Selectors & Switchers

- RB-SS10** 10 Way Stereo Analogue Source Selector/Mixer.
- RB-PMX4** 10 Input, 4 Output Analogue Preset Mixer. Compressor/Limiter.
- RB-OA3** 3 Studio On-Air Switcher.
- RB-OA3R** Remote Switch Panel For RB-OA3.
- RB-OA3C** Expansion Unit Cable Kit For The RB-OA3.

Microphone Amplifiers & Limiters

- RB-MA1** Single Microphone Amplifier.
- RB-MA2** Dual Microphone Amplifier.
- RB-MA2G** Dual Microphone Amplifier with Gain Controls.
- RB-DMA2** Dual Digital Microphone Amplifier.
- RB-ML2** Microphone and Line Level Limiter.
- RB-SL2** Twin Mono, or Stereo, Limiter.

Stereo To Mono Converters

- RB-SM2** Dual Stereo to Mono Converter.

Power Controllers

- RB-LC3** 3 Way Light/Power Controller.

Talkback & Communications



RB-IPE IP Extender for GPIO & Analogue Control Signals.

- RB-MM1** Mix-Minus Generator.
- RB-MTV1** Voiceover Monitor with Talkback.
- RB-IPE** IP Extender for GPIO & Analogue Control Signals.

Tone Generators

- RB-TGHDB** Multi-channel HD tone generator with BNC outputs.
- RB-TGHDX** Multi-channel HD tone generator with XLR outputs.

Video Distribution Amplifiers



RB-VHDA2x4 3G/HD/SD-SDI 2 Input, 8 Output Video Distribution Amplifier.

- RB-VHDA8** HD/SD-SDI 1 Input 8 Output Video Distribution Amplifier.
- RB-VHDA2x4** 3G/HD/SD-SDI 2 Input, 8 Output Video Distribution Amplifier.

Video Embedders & De-Embedders

- RB-VHDMA8** 3G/HD/SD-SDI De-Embedder, 8 Channel Analogue Outputs.
- RB-VHEMA8** 3G/HD/SD-SDI Embedder, 8 Channel Analogue Inputs.
- RB-VHCMA4** 3G/HD/SD-SDI Embedder & De-Embedder, 4 Channel Analogue I/O.
- RB-VHCMD16** 3G/HD/SD-SDI Embedder & De-Embedder, 16 Channel Digital I/O.

Telephone Hybrids

Sonifex telephone hybrids are some of the best sounding hybrids in the world with analogue, digital, portable, GSM & HD Voice hybrids available.

HY-03S Analogue TBU, Rack Mounted.



Analogue Telephone Hybrids

The analogue **HY-03** telephone hybrid sets the standard as an excellent value, high quality telephone hybrid. It is fully automatic, with automatic signal limiting, automatic call answering and both local and remote line hold switching.

Digital Telephone Hybrids

The digital **DHY-04** range of telephone hybrids are probably the best performing digital hybrids in the world, with simply stunning line balance rejection figures - 76dB typically. They are fully automatic together with echo cancellation, conferencing, front panel input and output gain controls and front panel LED metering of receive and send signals.

Additionally it has auto-sensing AES/EBU or analogue XLR I/O, an Ethernet port for remote configuration and remote control, SNMP and DTMF dial up recognition.

DHY-04V

The **DHY-04V** is a Single Automatic 4G Hybrid with HD Voice, AES/EBU & Analogue I/O with Ethernet. This VoLTE Hybrid is used on a cellular (mobile) phone network, and provides HD Voice quality calling over 4G.

NEW



DHY-04

The **DHY-04** is a Single Automatic Digital TBU, AES/EBU & Analogue I/O With Ethernet. The DHY-04 telephone hybrid is an enhanced redesign of the DHY-03.



Portable Telephone Hybrids

The **CM-TBU** line-powered telephone balance unit is a basic hybrid for 2-way talkback purposes and the **CM-TLL** provides a low-loss interface to receive audio from a telephone line.



CM-TBU Line Powered Telephone Balance Unit.

Audio Logging

The Net-Log has been specifically designed for long-term recording and archival.



It uses a dedicated hardware recording platform with a simple network connection for audio playback.

Audio & IP Stream Logging

Flashlog 8 is configurable, ultra powerful multi-channel logging software.

Using the Sonifex sound & radio capture cards, IP based line inputs and internet radio streams, Flashlog can be used to continuously log up to 2 years of radio broadcasts or audio. New features include archiving & logging of HLS streams.



PCIe Sound & Radio Capture Cards

These professional sound cards and radio capture cards offer superior performance & exceptionally high channel counts.

Radio Capture Cards:

The **PC-DAB1-4** Multi-Ensemble DAB+/DAB Radcap PCIe Card



The **PC-AM6-32** AM Radcap PCIe Card (6 to 32 Channels)



The **PC-FM6-32** FM Radcap PCIe Card (6 to 32 Channels)



Professional Sound Cards:

The **PC-AD2** 2 Stereo Analogue I/O & 2 Stereo AES-3 I/O PCIe Half Height Sound Card is a dual stereo analogue input/output and dual stereo AES-3 digital input/output sound card in the PCIe half height format. One of the analogue inputs can be used as a mic input, there is a dedicated AES-11 sync input and also 2 GPIOs.



The **PC-DIG4** Digitorc 4, 4 Stereo AES-3 I/O PCIe Sound Card



The **PC-AUR44** Auricon 4.4 PCIe Analogue Sound Card



www.sonifex.co.uk

UK Office:

Sonifex Ltd

61 Station Road, Irthlingborough,
Northants, NN9 5QE, UK
Tel: +44 (0) 1933 650700
Email: sales@sonifex.co.uk

Australian Office:

Sonifex Pty Ltd

12/6 Leighton Place,
Hornsby NSW 2077, Australia
Tel: +61 (2) 9987 0499
Email: sales@sonifex.com.au



AUGUST 2024