

SONIFEX

Audio Solutions for AV & Broadcast Media Products Overview



See our full range,
Visit: www.sonifex.co.uk



Dante® & AES67 AoIP Products

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

Dante® AVN-CU1 Commentary Unit for 1 Commentator

The AVN-CU1 adds to the Sonifex range of 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 configurable AVN-CU2 & AVN-CU4 Dante or RAVENNA, Commentary Unit

Dante® Small 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

Dante® Large DIO Audiophile Dante® Interfaces



AVN-DIO10-12G

Dante® to 12G/6G/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



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, Dante® Interface, Dual PoE
- AVN-AI16 16 Input Dante® Interface, PoE
- AVN-AI16R 16 Input Dante® Interface, Dual PoE
- AVN-AO16 16 Output Dante® Interface, PoE



AVN-AO16R 16 Output Dante® Interface, Dual PoE

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



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



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 built-in



Multi-Channel Audio Mix Engine Interfaces Using AES67 AoIP



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.

See the
Reference
Monitor
Range



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, TX-REH, REHEARSAL, 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

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-DAC1	Digital to Analogue Converter.
RB-SC2	Dual Sample Rate Converter, 24bit 192kHz.

Synchronisation Add-On Boards for the RB-SC2

RB-SYA	Analogue Video Sync Add-On Board.
RB-SYD	Digital Video Sync Add-On 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.
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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.

These 3 units are also available as single 3 way products:

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.
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.
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Power Controllers

RB-LC3	3 Way Light/Power Controller.
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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.

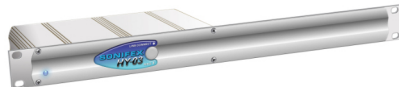
Video Embedders & De-Embedders

RB-VHDA8	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, VoLTE 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.



Designed & Built In Britain

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.

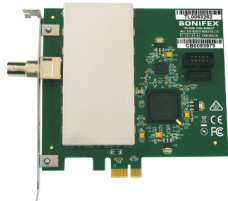
Using the Sonifex sound & radio capture cards, IP based line inputs and internet radio streams, Flashlog can be used to continuously log up to 2 years of radio broadcasts or audio. New features include archiving & logging of HLS streams.



PCIe Sound & Radio Capture Cards

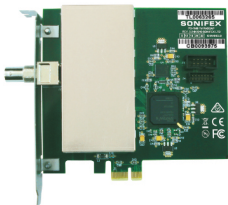
These professional sound cards and radio capture cards offer superior performance & exceptionally high channel counts.

Radio Capture Cards:



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

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

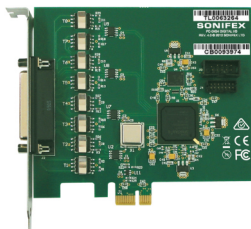


The **PC-AM6-32** AM Radcap PCIe Card (6 to 32 Channels)



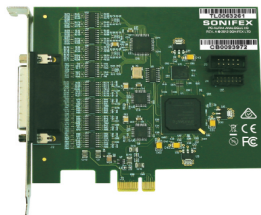
Professional Sound Cards:

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** Auricor 4.4 PCIe Analogue Sound Card



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