

SONIFEX

Products Overview



Manufacturers of Audio Products for AV, Installed Sound, Broadcast Radio & Broadcast TV

SONIFEX

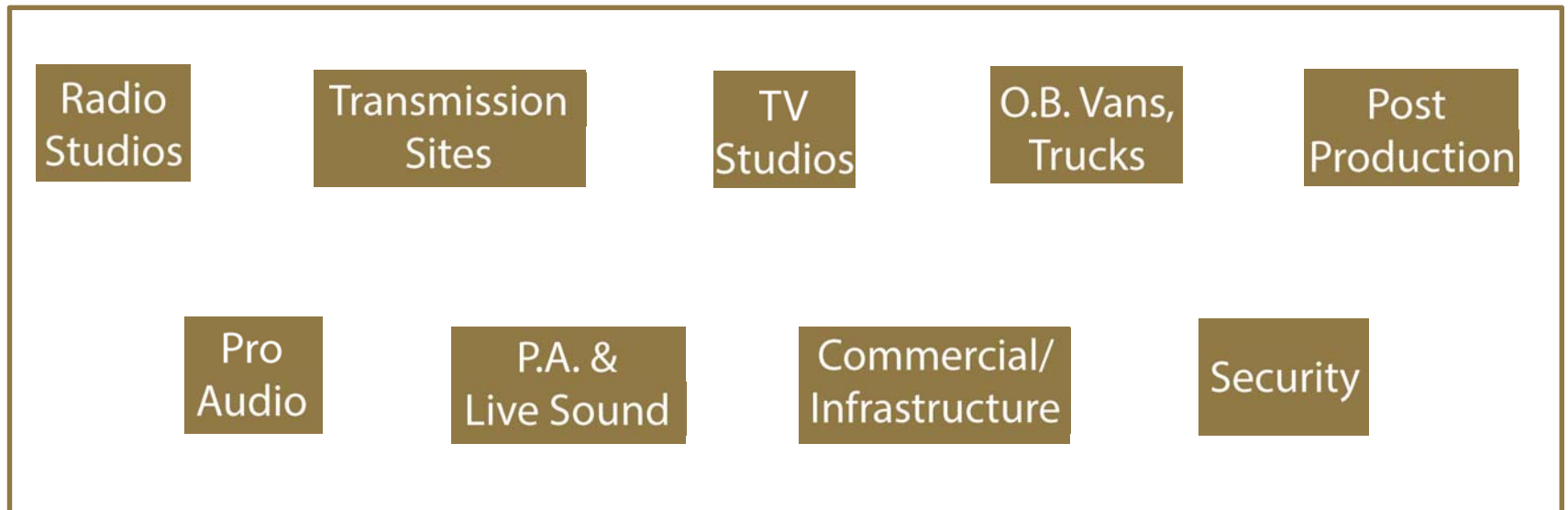
Sonifex Ltd Company Details

- Started in 1969, celebrated 50 years in 2019.
- Purpose built head office and advanced manufacturing site based in Irthlingborough, Northamptonshire, UK
- Site includes design, development, test, sales & product support facilities
- Highly skilled, loyal workforce – average 15 years length of service
- Large, dedicated R&D team – over 25% of the workforce
- ISO9000-based quality system ensures full product traceability



Application Areas

Initially focusing on broadcast radio, Sonifex has developed products that are used in a variety of other applications. Systems Integrators frequently use Sonifex products to provide professional solutions to customer requirements. The following areas are typical of the type of installations where Sonifex products are most often used:





Audio & Video Interfaces

Instantly recognisable Redbox range of pro audio boxes include:

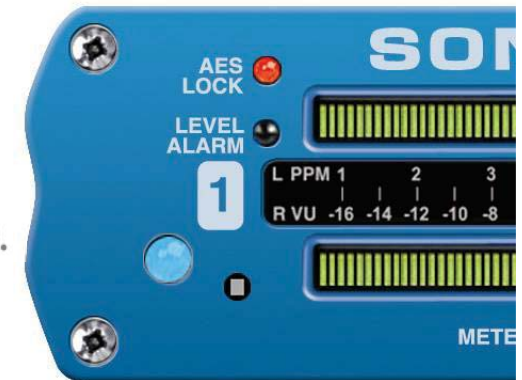
- Audio & headphone distribution amplifiers and converters
- Synchronisers and delays
- Microphone amplifiers
- Matching converters
- Source selectors & rackmount mixers
- Silence detectors & failover switchers
- Video distribution amplifiers
- Audio Embedders and De-Embedders (for SDI signals)
- Passive AES/mic/line splitters



Audio Metering & Monitoring

Multi-channel audio metering/monitoring with highly distinctive blue fascia in a 1U rack-mount anti-vibration case.

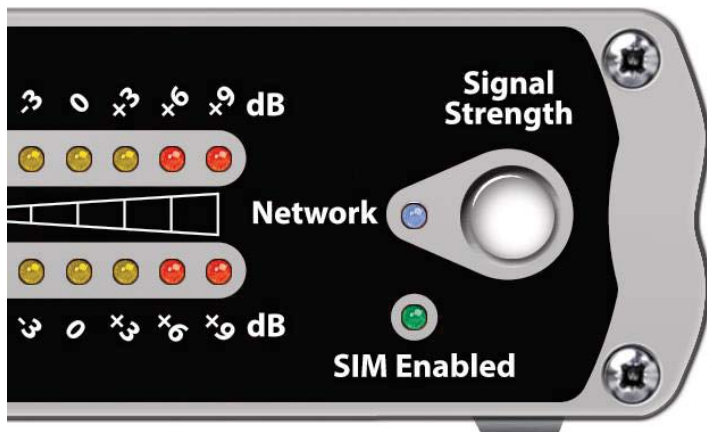
- Reference grade, 53 or 106 segment metering with phase indicator
- Three way accurate speaker system using DSP technology
- Built-in optional meter scales for PPM, VU, EBU, AES, DIN, Nordic, etc.
- Analogue, digital or SDI (de-embedded audio) inputs.
- Modifiers for DIM, CUT L/R, Mono, Phase, M/S
- Optional Dolby E/Dolby Digital decoding showing 5.1 (RM-4C8)
- Up to 26 channels of selectable (4 ch) monitoring in 1U
- USB connection provides 5 band parametric EQ
- Confidence monitors provide simpler feature-set
- Remote control using Sonifex SCi software





Telephone Hybrid Units

- A range of superb quality rack mount or desktop TBU's for analogue POTS line connections.
HY-03, DHY-03 & DHY-04 series
- All TBU's offer remote operation for broadcast desk control & K-break auto line disconnection
- **DHY-03 & DHY-04** use DSP to achieve more than 70dB side tone rejection across full telephone audio band



- **DHY-03 & DHY-04** offer fully adaptive echo cancellation and dial tone disconnection
- **DHY-04** offers auto sensing AES input and AES output select option. GSM & GSM HD voice versions available all with RS232 control, DTMF tone detection, network port for SNMP and web interface configuration



Broadcast Mixers - S0v2, S1 & S2

- Fully featured user friendly, reliable, professional broadcast mixers
- Analogue design - **S1** & **S2** have AES/SPDIF I/O options
- **S0v2** & **S1** fixed layout – **S2** fully modular layout with split configurations available
- Ideal for national broadcasters, community radio, campus or internet radio users

All feature:

- Fader remote start/stops
- Microphone muting output for speaker control
- 'Mic Live' or 'On Air' studio sign switching
- 'Programme' and 'Record' bus outputs
- Phantom power with balanced audio connectors for all microphone inputs



S0v2 Radio Broadcast Mixer



S1 Digital/Analogue Radio Broadcast Mixer



S2 Digital I/O Analogue Radio Broadcast Mixer



Studio Signs - Signal LED

A distinctive range of professional eye-catching RGB LED signs using high quality LED's, designed for broadcast studios, meeting rooms and many other venues.

- 2 programmed colours selectable on single signs
- All signs reprogrammable up to 9 colours using optional LD-RPC programmer unit
- 2 x GPI's for control switching
- Flush mounting with optional end mounting or ceiling kits available
- 100-240AC/6V DC plugtop psu
- Optional 7 to 36V DC versions
- Custom sign service available



SONIFEX

AVN-DIO Audiophile Dante® Audio 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.



AVN-DIO01 Dante® to Analogue XLR Stereo Output



AVN-DIO02 Analogue XLR Stereo Input to Dante®



AVN-DIO03 Dante to Headphone Outputs (1/4" & 3.5mm Jacks) with Volume Control



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 AES-3id BNC Stereo Input & Output



AVN-DIO08 Dante® to AES3 Terminal Block Stereo Input & Output



AVN-DIO09 Microphone Input to Dante®



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

Multi-Channel Dante® Audio Interfaces

These new Dante® audio interfaces convert balanced analogue or AES3 inputs and outputs to Dante AoIP. For analogue I/O, 4 and 8 channels bi-directionally, 16 channel inputs and 16 channel outputs are available. On the analogue products, global line up level can be set for inputs and outputs. For AES3 there is an 8 stereo channel bidirectional interface. All analogue and AES3 models can be ordered with either single or dual redundant Dante ports.



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



AVN-AIO8 8 Input, 8 Output
Dante® Interface, PoE



AVN-AI16 16 Input
Dante® Interface, PoE



AVN-AO16 16 Output Dante®
Interface, PoE



AVN-AES108 8 AES3 Input, 8 AES3 Output
Dante® Interface, PoE

Dante® Commentary

The AVN commentary units provide a multi-purpose configurable tool for commentary teams, including an impressive mix engine which overlays the usual Dante® Controller settings. Inputs and outputs can be mixed freely to AoIP or physical inputs and outputs, controlled using the programmable buttons and rotary encoders, which control the gain and pan of inputs, outputs or cross-points, allowing total flexibility for different situations.

- 2/4 x locking mic/line inputs with +48V phantom power indication.
- 2/4 x headphone outputs on locking 6.35mm jack sockets.

AVN-CU2-DANTE
Configurable Dante
Commentary Unit for
2 Commentators



AVN-CU4-DANTE
Configurable Dante
Commentary Unit for
4 Commentators





AES67 now!

AES67 GMC & Multi-Channel Mix Engines

PTP Grandmaster Clock with GPS Receiver

The **AVN-GMCS** is an IEEE1588-2008 PTPv2 grandmaster clock for use with AoIP applications and is used to synchronise all the nodes within an AES67 network.



AVN-GMCS IEEE1588 PTP Grandmaster Clock with GPS Receiver

Multi-Channel Audio Mix Engine Interfaces Using AES67

A range of 3 audio interfaces which mix and route analogue, AES3, microphone & AES67 stream inputs to analogue, AES3 & AES67 outputs. Each can be ordered with the input/output metering displays (D version) or without and with two options for rear panel connectivity - with XLR/RJ45 connectors or terminal block (T version) connectors.



AVN-PA8 8 Stereo Analogue Line Inputs & Outputs, AES67, Without Meters



AVN-PA8 8 Stereo Analogue Line Inputs & Outputs, AES67, With Detailed Meters



AVN-PA8 8 Stereo Analogue Line Inputs & Outputs, AES67, Standard



AVN-PA8 8 Stereo analogue line inputs & 8 stereo analogue line outputs on terminal blocks, AES67 portal



AES67 now!

AES67 Mix Monitor & AoIP Talkback System

AVN-PXH12 12 x 2 Channel Mix Monitor, AoIP Portal

The **AVN-PXH12** is a monitor-mixer designed for monitoring AES67 AoIP audio channels in a compact 1U format rack.



AVN-PXH12 12 x 2 Channel Mix Monitor, AoIP Portal

Talkback Intercoms Using Audio Over IP, RAVENNA/AES67

The AVN range of talkback/listening/paging intercoms aid communication between studios, stages, theatres, offices and different areas in a facility or building complex. They have both 4-wire and AoIP sources and destinations, and use RAVENNA/AES67 as the audio transport mechanism, allowing simple CAT 5/6 cabling and expansion.



AVN-TB20AD 20 Button Advanced Talkback Intercom, AoIP Desktop Portal



IP Audio Streamers

Desktop or rack mount IP audio Encoder & Decoders units. Easy to setup with built-in web server and audio IP announcement. Ideal for Internet broadcasting, network audio transport or STL links – 3 models available all feature:

Real time audio streaming, MP3, G711 or PCM via HTTP, RTP, raw UDP/TCP over IP

- **PS-SEND** encoder accepts variety of audio sources - bal and unbal analogue audio, AES/EBU, S/PDIF & TOSlink
- **PS-PLAY** decoder outputs digital or analogue signals
- **PS-AMP** decoder outputs directly to speakers



PS-SEND Audio To IP Streaming Encoder



PS-PLAY IP To Audio Streaming Decoder



PS-AMP IP To Speakers Streaming Decoder

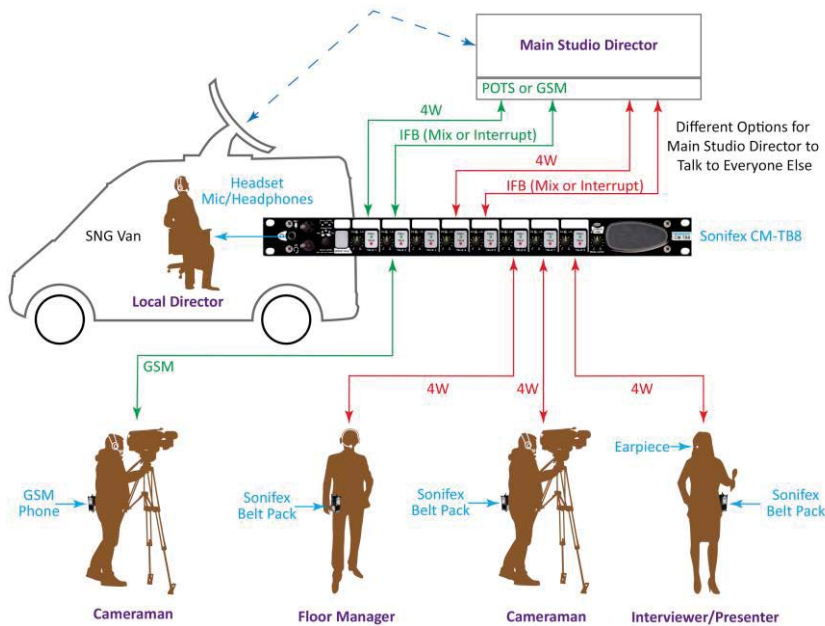
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CM-TB8 8 Channel Talkback Control Unit

Talkback, IFB & Belt Packs

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. It offers easy connection to any industry standard talkback system including the **CM-CU1**, **CM-CU21** commentator units, **CM-BH4W/X** belt packs and **CM-TLL** line listen unit.



The new portable, battery powered belt packs are the **CM-BH4W** 2-wire/4-wire headphone amp with speaker and the **CM-BHA** headphone amplifier with limiter & loudspeaker, for use in live applications such as in-the-field news reports.



CM-BH4W Belt-Pack 4-Wire Headphone Amp



Analogue Commentary Units

The **CM-CU1** and **CM-CU21** are high quality, analogue commentator units. The solid sturdy design and ease of use make these units a firm favourite amongst professional commentators.

The **CM-CU1** is designed for single commentary and the **CM-CU21** for dual commentary with a guest position.

Both feature transformer balanced audio inputs and outputs, +48V phantom power, wide mic gain, individual and mixed outputs, talkback outputs and return inputs and line-up tone for setting up and checking circuits.

The **CM-TBU** and **CM-TLL** are rugged line powered portable comms units for standard POTS connections.

The **CM-TBU** offers full-duplex comms whilst the **CM-TLL** is designed for line listen only applications.



CM-CU1 Commentator Unit
1 Commentator & Line Input



CM-CU21 Commentator
Unit 2 Commentators &
1 Guest



CM-TBU Line
Powered Telephone
Balance Unit



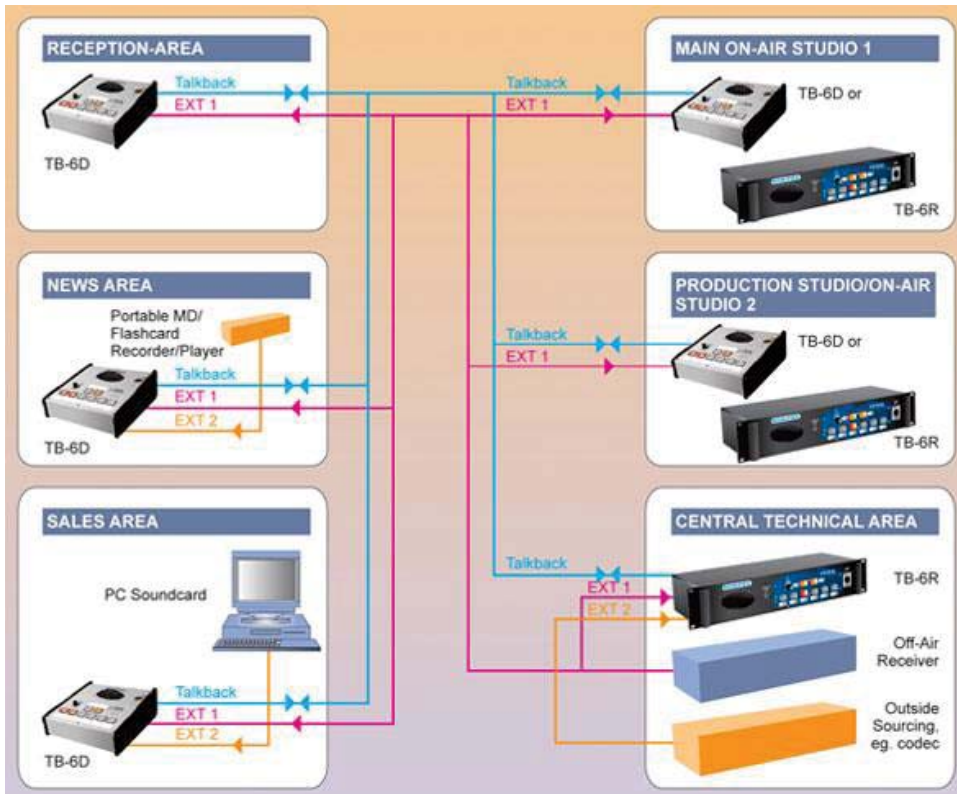
CM-TLL Line Powered
Telephone Line Listen
Unit

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Talkback Intercoms

General talkback interfaces which can be connected together to form a talkback system of up to 7 units – **TB-6D** desktop and **TB-6R** rack mount units available.



TB-6D 6 Way Talkback Intercom, desktop free standing



TB-6R 6 Way Talkback 6 Way Talkback Intercom, 19" rack mounted



Flashlog8

Audio Logging

Net-Log has been specifically designed for very reliable long-term recording using dedicated 4 channel hardware without PC operating system drawbacks. Playback is via **Net-Log-Win** software installed on a network connected PC to stream the audio to a desktop PC fitted with a sound card where it can be played out or alternatively saved as a file.

PC-FLS8 Flashlog 8 software is configurable, ultra powerful multi-channel logging software designed to work with many types of sound cards including Sonifex sound and radio capture cards to provide a host of logging features on a single PC platform.



Net-Log Net-Log Network Audio Logger with 1TB HDD or 2TB HDD



PC-RACK4D 4U Rackmount PC With Front Panel Display



PC-FLS8 Flashlog 8 Configurable, Ultra Powerful Multi-Channel Logging Software



Professional Sound Cards

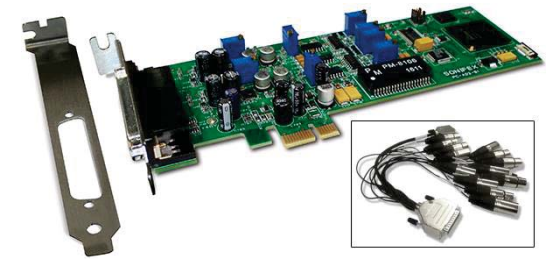
High quality, very low noise PCIe audio cards.

PC-AD2 2 stereo analogue I/O & 2 stereo AES-3 I/O PCIe half height sound card with dual mono or stereo mic input option and GPIO's

PC-DIG4 4 x stereo AES-3 I/O PCIe full height card

PC-AUR44 4 x stereo analogue I/O PCIe full height card

Breakout cables available – various options



PC-AD2 2 Stereo Analogue I/O & 2 Stereo AES-3 I/O PCIe Half Height Sound Card



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



PC-AUR44 Auricon 4.4 PCIe Analogue Sound Card



Radio Capture Cards

High quality PCIe radio capture cards with single antenna connection for multi-station logging or media monitoring - three cards available:

PC-DAB1-4 Multi-Ensemble DAB+/DAB PCIe Radio Capture Card

PC-FM6-32 FM Radio PCIe Radio Capture Card
(6 to 32 channels)

PC-AM6-32 AM Radio PCIe Radio Capture Card
(6 to 32 channels)

License upgrade options available for each card to a maximum of 4 DAB+/DAB Ensembles or 32 x AM/FM channels
Drivers available for Windows & Linux (PC-AM & PC-FM only)



PC-FM6-32 FM Radio Capture PCIe Card
(6 to 32 Channels)

SONIFEX

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