

# SONIFEX

**NEW!**

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



## Two New Dante® AoIP Commentator Units



### AVN-CU2 Commentator Unit, 2 Commentators

The AVN-CU2 is a portable commentator unit using Dante® AoIP.

The AVN-CU2 provides two mic/line inputs with a wide, adjustable gain range and has two stereo headphone outputs with lockable jack sockets, suitable for operation by two commentators.

It's powered using Power over Ethernet (PoE), using Neutrik EtherCON connectors, with primary and secondary ports for power and data redundancy. There's an additional 4 pin XLR 12V DC input. The unit supports up to 16 input and output AoIP channels and up to 16 simultaneous input and output AoIP streams.



The 6 x push-button rotary encoders and 12 x key-cap buttons are fully configurable, to control input & output levels and panning.

Each rotary encoder has a separate colour-coded meter section showing the channel name, detailed level metering, left/right panning and a limiter indication, on a bright daylight reading display. Colours can be programmed per encoder to quickly identify particular source groups, so headphone source selection becomes intuitive.

Metering is available per input/output, with output metering configurable as pre or post level adjustment. The top of the display shows output metering, a limiter indication and the name of the output, a pre-defined logo or nothing. A limiter is available on every output.



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The unit has 2 x locking mic/line inputs with +48V phantom power indication and 2 x headphone outputs on locking 6.35mm jack sockets.

Four wire I/O on rear panel RJ45 connectors provide an AES3 or analogue input and output that can be assigned as mic outputs (line level), talkback outputs, programme inputs or talkback inputs as desired. In addition, the AES/analogue connections can be

used as an insert or exit point into/out from the AoIP network.

The unit has dual redundant network ports on both RJ45 (PoE using 2 x Neutrik EtherCON® connectors) and SFP cages.

There are 10 x configurable GPIO on a 15 way D-type connector with 1 x switched changeover output.



All of the buttons have key-cap text and can be configured. There are some standard operations available:

2 x On-Air buttons can be used to connect mic audio to the main output, either over AoIP or via the AES digital audio connection. The On-Air buttons can be locked if required.

A Menu button can be used to access limited setup options on the TFT display.

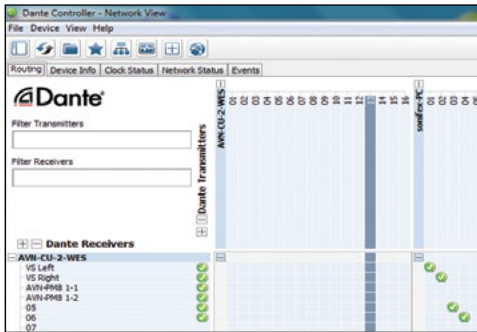
2 x Page buttons change the display and encoders to monitor an additional set of sources, mix points or outputs. Up to 4 pages can be pre-programmed, e.g. one for talkback inputs, one for outputs, one to monitor other sources.

2 x Cough buttons take the commentator off-air while pressed.

A User button can be programmed to perform any function using the web server.

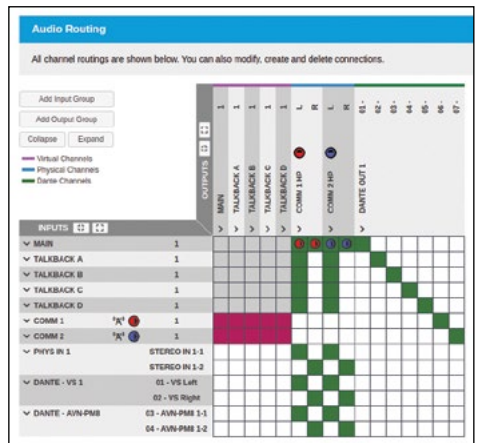
4 x T/B (talkback) buttons can be configured to initiate talkback over AoIP or AES digital audio connection, using 4 x talkback busses. The talkback buttons operate with lazy talkback, taking the commentator off-air when invoked.

The illuminated 'Sonifex' logo acts as a power indication and there are illuminated LEDs to indicate network clock status, AoIP Primary and AoIP Secondary link status, PoE Primary, PoE Secondary and DC power active.



Stream setup to and from the unit is initially via Dante® Controller with more detailed configuration performed by using the built-in web GUI.

A visual mix-matrix makes setup simple and intuitive.



The unit can be remotely controlled from the web interface with front-panel lock-out options for unit operation.

## AVN-CU4 Commentator Unit, 4 Commentators

The AVN-CU4 is a portable commentator unit using Dante® AoIP.

It is a dual version of the AVN-CU2 providing four mic/line inputs with a wide, adjustable gain range and four stereo headphone outputs with lockable jack sockets, suitable for operation by three or four commentators.



The featureset is as per the AVN-CU2, with the following differences. There are:

- 4 x On-air buttons.
- 4 x Page buttons, 2 for each half of the display.
- 4 x Cough buttons.
- 8 x Talkback buttons, up to 4 for each user and 3 x User buttons.

As for the AVN-CU2, the illuminated 'Sonifex' logo acts as a power indication and illuminated LEDs indicate network clock status, AoIP Primary and AoIP Secondary link status, PoE Primary, PoE Secondary and AC power active.

The front panel houses 4 x locking mic/line inputs with +48V phantom power indication and 4 x headphone outputs on locking 6.35mm jack sockets.

There's an abundance of 4 wire connections on the rear panel: 4 x analogue line inputs on XLR sockets with latching locks, 6 x analogue line outputs on XLR plugs and an RJ45 AES3 stereo input & output.

The unit has dual redundant network ports on both RJ45 (PoE+ using 2 x Neutrik EtherCON® connectors) and SFP cages. There is an AC mains input on an IEC inlet, with a universal supply.

The 10 configurable GPIO and single switched changeover output use a 15 way D-type connector.

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