AeroAudio

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AeroAudio designs and manufactures high quality broadcast solutions.

Due to the broadcast engineering background of our team we know what's playing and develop the best solutions for your need from a customer question or practical issue to the final product; our years of broadcast industry and product development knowledge is embedded.

Our goal is to design and make the most effective and easy to use products that solve the nagging practical headaches like 'how to connect', 'how to control' or 'why is it broke again', that technicians and users face in everyday broadcast. Our rock solid field proven quality designs are build to last for years.

Not sure? Give it a try, we know you'll love it.

MOS E.D.O.

AES67 Dante™

- **MOS IP Mic On-Air Switch with ethernet control protocols**
- **Mic Pre-amp with DSP** (digital soundprocessing)
   Convert into AES67
- **Headphone Amplifier AES67**
- **1 x analog balanced output** (for adding extra analog headphone amps)

MOS LED IP

- Full spectrum RGB + W LED controller

- Web based configuration

- IP controlled switching

- There are 4 methods to work with MOS LED with IP:
  - TCP COMMANDS / STRINGS
  - TELOS AXIA X-NODE / LIVEWIRE DRIVER
  - TELOS AXIA QOR/IQ/IQX
  - DHD LOGIC

- There are 2 methods to work with MOS LED with physical GPI contacts:
  - 5VDC control voltage (10mA)
  - Open and closed contact

- 12 and 24 volt standard RGBW ledstrip compatible

- 12 or 24 volt DC input

- Close contact alarm input

manual

The MOS-LED-IP is not just your standard ledstrip controller. Designed specially for studio use it allows you to change the color of a RGB-W ledstrip automatically on fader up, incoming telephone call, alarm or any trigger you want.

There are 4 methods to work with MOS LED with IP protocol:
- TCP COMMANDS / STRINGS
- TELOS AXIA X-NODE / LIVEWIRE DRIVER
- TELOS AXIA QOR/IQ/IQX
- DHD LOGIC

There are 2 methods to work with MOS LED with physical GPI contacts:
- 5VDC control voltage (10mA)
- Open and closed contact

You can use any RGB-W ledstrip (12-24Volt DC)
The power supply and the ledstrip are not included.

4

MOS UNO

POWER LED INDICATOR

MIC OUT (TO STUDIO)

MIC ON-AIR ARM

GPI STUDIO

2 ways to switch the
MIC ON-AIR SMART SWITCH

5VDC control voltage (10mA)

Open and closed contact

12VDC POWER INPUT

manual

Suitable for signaling of on-air lamps for microphones. e.g. YELLOWTEC MIKA ON-AIR MIC ARM.
ON-AIR = red
OFF-AIR: white

POWER LED INDICATOR
The LED will light up when the 12VDC power supply is present.

12VDC POWER INPUT
Ratings: 12VDC (9~18 volt) at 250mA. The polarity is not important
Power supply is included, options: 115V/USA - 230V/AUS - 230V/EUR - 230V/UK

MIC OUT (TO STUDIO)
Microphone output; connect to your equipment with standard MIC cable (XLR 3pin)
   - PIN1: Ground (Shield)
   - PIN2: Positive (Red)
   - PIN3: Negative (Blue)

MIC ON-AIR ARM
Connect to the MIC ON-AIR ARM with standard MIC cable (XLR 5pin)
   - PIN1: Ground (Shield)
   - PIN2: Positive (Red)
   - PIN3: Negative (Blue)
   - PIN4: LED (Yellow)
   - PIN5: LED (Black)

The supply voltage may be between 9 and 18 volts DC; the polarity is not important.

On pin 1 and 6 of the 9 pin sub D female or on pin 1 and 2 of the RJ45 a voltage can be applied. Again, a DC voltage; the polarity is not important and the voltage may be between 5 and 18 volts

On pin 2 and 7 of the 9 pin sub D female or on pin 3 and 4 of the RJ45 a switching contact.

On pin 3 and 8 of the 9 pin sub D female or on pin 5 and 6 of the RJ45 a toggle function to let the white light signal burn continuously or fluctuate. When activated, the LED on the box will flash briefly. Flashing twice means the white light is on continuously, flashing three times means the white light will fade in and out after approximately one minute.

RJ11 may only be used to connect to the MOS quatro in sync with the white light signaling of the quatro.

MOS QUATRO

4X LED INDICATOR

4X MIC OUT (TO STUDIO)

4X MIC ON-AIR ARM

GPI STUDIO

2 WAYS TO SWITCH THE MIC ON-AIR SWITCH

    5VDC CONTROL VOLTAGE (10MA)
    OPEN AND CLOSED CONTACT

12VDC POWER INPUT

manual

Suitable for signalling of on-air lamps for microphones. e.g. YELLOWTEC MIKA ON-AIR MIC ARM.
ON-AIR = red
OFF-AIR: white

STATUS LED INDICATOR
The LED will light up when the 12VDC power supply is present.

12VDC POWER INPUT
Ratings: 12VDC (9~18 volt) at 250mA. The polarity is not important
Power supply is included, options: 115V/USA - 230V/AUS - 230V/EUR - 230V/UK

4x MIC OUT (TO STUDIO)
Microphone output; connect to your equipment with standard MIC cable (XLR 3pin)
- PIN1: Ground (Shield)
- PIN2: Positive (Red)
- PIN3: Negative (Blue)

4x MIC ON-AIR ARM
Connect to the MIC ON-AIR ARM with standard MIC cable (XLR 5pin)
- PIN1: Ground (Shield)
- PIN2: Positive (Red)
- PIN3: Negative (Blue)
- PIN4: LED (Yellow)
- PIN5: LED (Black)

MOS QUATRO IP

- 4X LED INDICATOR
- 4X MIC OUT (TO STUDIO)
- 4X MIC ON-AIR ARM
- GPI STUDIO
- THERE ARE 4 METHODS TO WORK WITH MOS QUATRO IP:
  - TCP COMMANDS / STRINGS
  - TELOS AXIA X-NODE / LIVEWIRE DRIVER
  - TELOS AXIA QOR/IQ/IQX
  - DHD LOGIC
- 12VDC POWER INPUT

manual

Suitable for signalling 4 on-air lamps for microphones. e.g. YELLOWTEC MIKA ON-AIR MIC ARM.

There are 4 methods to work with MOS Quatro IP:
- TCP COMMANDS / STRINGS
- TELOS AXIA X-NODE / LIVEWIRE DRIVER
- TELOS AXIA QOR/IQ/IQX
- DHD LOGIC

ON-AIR: red
OFF-AIR: white

STATUS LED INDICATOR
The LED will light up when the 12VDC power supply is present.

12VDC POWER INPUT
Ratings: 12VDC (9~18 volt) at 250mA. The polarity is not important
Power supply is included, options: 115V/USA - 230V/AUS - 230V/EUR - 230V/UK

4x MIC OUT (TO STUDIO)
Microphone output; connect to your equipment with standard MIC cable
(XLR 3pin)
- PIN1: Ground (Shield)
- PIN2: Positive (Red)
- PIN3: Negative (Blue)

4x MIC ONAIR ARM
Connect to the MIC ON-AIR ARM with standard MIC cable (XLR 5pin)
- PIN1: Ground (Shield)
- PIN2: Positive (Red)
- PIN3: Negative (Blue)
- PIN4: LED (Yellow)
- PIN5: LED (Black)

HEADPHONE AMPLIFIER

AVAILABLE IN TWO VERSIONS:

- TABLE MOUNT
- FLUSH MOUNT

POWDER-COATED STEEL ENCLOSURE

HIGH POWER CLASS AB AMPLIFIER

RJ45 LINK

3.5 AND 6.35MM JACK

The AeroAudio HP AMP is a superb well designed studio quality headphone amplifier made for Jocks and producers that hides away and just does the job you need it for.

The +20 year field proven design ensures your ears are safe from annoying cracking audio on touching the volume knob. With a double output for both 3.5 and 6.3mm jack's makes the annoying 'where did I put it' adapters obsolete, just simply connecting all types of studio headphones.

Connecting it has never been so easy. The RJ45 connection is based on international standard cat5 audio pin-out that you can directly link to a node or standard adapter cable. Need more? Just link an other Amp on the RJ45 link output with standard cat cable and you're done. Not only audio but power is provided to the next Amp as well.

Tablemount
The rock solid miniature casing hides away under your desk with a special design so your knees are safe from painfully bumping it. A small bright shining LED let's you find the Amp instantly.

manual

Flushmount
The rock solid casing hides away in your desk.

manual

HEADPHONE AMPLIFIER DSP

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The AeroAudio HP AMP DSP FM is a superb well designed studio quality headphone amplifier made for Jocks and producers that hides away and just does the job you need it for. A DSP controlled class AB headphone amplifier with gain control, three-band EQ and output limiter.

With a double output for both 3.5 and 6.3mm jack's makes the annoying 'where did I put it' adapters obsolete, just simply connecting all types of studio headphones.

Connecting it has never been so easy. The RJ45 connection is based on international standard cat5 audio pin-out that you can directly link to a node or standard adapter cable. Need more? Just link an other Amp on the RJ45 link output with standard cat cable and you're done. Not only audio but power is provided to the next Amp as well.

- **AVAILABLE IN TWO VERSIONS:**
  - TABLE MOUNT
  - FLUSH MOUNT

- **POWDER-COATED STEEL ENCLOSURE**

- **HIGH POWER CLASS AB AMPLIFIER**

- **RJ45 LINK**

- **3.5 AND 6.35MM JACK**

- **GAIN CONTROL**

- **3 BAND EQ**

- **OUTPUT LIMITER**

- **SUPERB S/N RATIO**

Tablemount:
The rock solid casing hides away under your desk with a special design so your knees are safe from painfully bumping it. A small bright shining LED let's you find the Amp instantly.

manual

Flushmount
The rock solid casing hides away in your desk.

manual

HEADPHONE AMPLIFIER AES67

AVAILABLE IN TWO VERSIONS:

- TABLE MOUNT
- FLUSH MOUNT

POWDER-COATED STEEL ENCLOSURE

HIGH POWER CLASS AB AMPLIFIER

AES67/DANTE™ COMPATIBLE

SAMPLE RATES:
44.1 KHZ, 48KHZ, 88.2KHZ, 96KHZ

HEADPHONE AMPLIFIER AES67 PoE

AVAILABLE IN TABLE MOUNT

POWER OVER ETHERNET

SAME PRODUCT BUT NOW WITH AN ANALOG BALANCED OUTPUT FOR ADDING EXTRA ANALOG HEADPHONE AMPS FROM AEROAUDIO (HPAMP FM/TM AND/OR HPAMP DSP FM/TM.)

The AeroAudio HP AMP is a superb well designed studio quality headphone amplifier made for Jocks and producers that hides away and just does the job you need it for.

The +20 year field proven design ensures your ears are safe from annoying cracking audio on touching the volume knob. With a double output for both 3.5 and 6.3mm jack's makes the annoying 'where did I put it' adapters obsolete, just simply connecting all types of studio headphones.

Connecting it has never been so easy. The audio link is based on the AES67 and Dante™ audio over IP standards. Just connect it to your AES67/Dante™ IP network and link it to the needed sources using the Ravenna™ AES controller or the Audinate™ Dante™ controller.
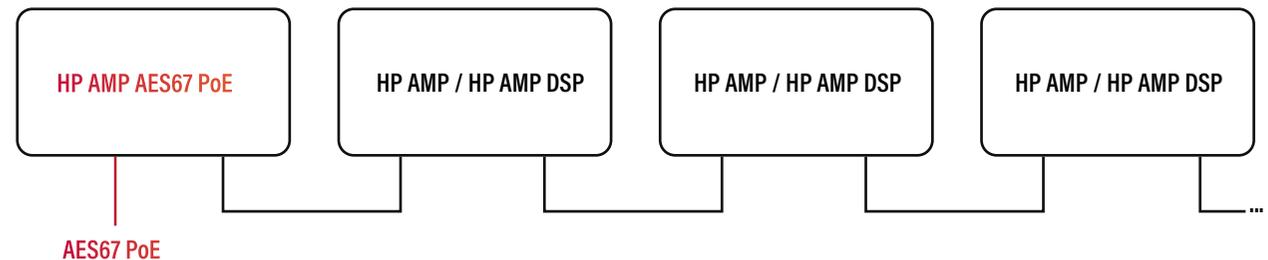
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manual

Flushmount
The rock solid casing hides away in your desk.

manual

Tablemount
The rock solid miniature casing hides away under your desk with a special design so your knees are safe from painfully bumping it. A small bright shining LED let's you find the Amp instantly.

Analog balanced output
for Adding extra analog headphone amps from AeroAudio. (HPAMP FM/TM and/or HPAMP DSP FM/TM.)

HP AMP AES67 PoE	HP AMP / HP AMP DSP	HP AMP / HP AMP DSP	HP AMP / HP AMP DSP

...

AES67 PoE

BLUETOOTH TRANSCEIVER

- BLUETOOTH V4.2 CLASS 2

- STEREO OUT (TO THE STUDIO)

- MONO IN (TO THE CALLER)

- MANUAL OR GPIO CONTROL

- 12V POWER INPUT

manual

The AeroAudio BT is a bluetooth receiver and transmitter for connecting bluetooth devices to a broadcast studio. Not only can music be played from, for example, a mobile phone, but the phone can also be used as a telephone link and a conversation can be broadcasted directly through WhatsApp, Skype, telephony or other communication apps. The caller receives the return signal from the studio.

Status LED indicator
The LED will light up when the 12VDC power supply is present and varies in state of standby or connected.

12VDC POWER INPUT
Ratings: 12VDC (9~18 volt) at 250mA. The polarity is not important
Power supply is included, options: 115V/USA - 230V/AUS - 230V/EUR - 230V/UK

AUDIO OUT (TO STUDIO)
Stereo left and right output; connect to your equipment with standard XLR cable (XLR 3pin)
    - PIN1: Ground (Shield)
    - PIN2: Positive (Red)
    - PIN3: Negative (Blue)

AUDIO IN (TO CALLER)
Mono input; connect to the studio to the BT1 with standard XLR cable (XLR 3pin)
    - PIN1: Ground (Shield)
    - PIN2: Positive (Red)
    - PIN3: Negative (Blue)

GPIO CONTROL
GPI control to remotely activate or deactivate the transmission link.
GPO output to remotely indicate the transceiver's status

STATION AUDIO CONTROL

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✓ manual

THE NEW STANDARD FOR
MONITORING AND SURVEILLANCE
OF PA SPEAKER NETWORKS

MEASUREMENTS

- Automatic monitoring of amplifiers and speakers.
- High and low impedance measurements of loudspeaker system.
- Automatic calibration.
- Automatic noise measurements.

I/O

- 4 channels.
- 4 analog audio inputs.
- 4 analog audio outputs.
- 4 amplifier inputs.
- 4 amplifier speaker outputs.
- Network connection.

TIME SCHEDULING

- Automatic time scheduled level adjustments.

CONTROL

- Frontpanel control.
- Remote control.
- HTML5 webpage.
- SNMP alerts and messages.
- NTP server.
- Different user logins and rights.

Do you know if your speaker system really works?

The Station Audio Control (SAC) is specifically developed for monitoring and surveillance of PA speaker networks, for example on railway station facilities. It enables measuring of audio levels from both the line inputs and amplifier outputs of amplifiers. Deviations from preset values are signaled and reported, e.g. to a server via an SNMP trap.

The Station Audio Control (SAC) is specifically developed for monitoring and surveillance of PA speaker networks, for example on railway station facilities. It enables measuring of audio levels from both the line inputs and amplifier outputs of (100 Volt) amplifiers. Deviations from preset values are signaled and reported, e.g. to a server via an SNMP trap.

Additionally, impedances of speaker networks are checked as to whether these are still within the permitted margin. A maximum of 4 speaker networks, plus associated amplifier inputs & outputs, can be connected. The impedance measurement ranges from 2Ω to 5000Ω.

During the installation of the system, a calibration step of the speaker network should be performed. In this step, the impedance of the network is measured and stored as a reference value. At every subsequent measurement of the network, the result is compared with this reference value. A deviation of more than 10% is signaled.

An automatic measurement of the impedance of the network can be done, once a day and at a preset time; preferably at night, as this is when there is the least amount of traffic on the tracks and platforms. Noise affects the outcome of the measurement.
The measurement of the speaker network is not audible.

During the measurement, the speaker network is probed 4 times at intervals of X seconds. The measurement itself takes 1 second. The interval time X is adjustable from 5 to 60 seconds.
If two or more of the 4 values deviate 10% or more from the stored (reference) value, the measurement is repeated. The interval time between repeats is 30 seconds.
The measurement is repeated a maximum of 3 times. If the deviation still exceeds the limit of 10%, a notification is sent and the measurement is stopped.
If the value is far too high (open connection) or far too low (short circuit), the message "TOO HIGH" or "TOO LOW" will appear on the display on completion of the measurement. The web page will show this status with the values "high" or "low".

A second check done by the device is whether the amplifier is still functioning properly. This proceeds in the following way:
The paging signal is received at line level on an XLR connector. It passes and leaves the device via a loop-through the circuit. This enables the device to detect whether audio is "in-coming". We follow the same procedure to check the output of the amplifier. It is verified that during a paging message, audio is present on the output of the amplifier. If not, a notification is sent. Similarly, if the output level of the amplifier deviates from the calibrated value, a message will appear.

In order to log all notifications at the correct time, the internal clock of the SAC must be synchronized on start-up, preferably to the network time server. Thus, all devices will run in sync.
The internal clock of the SAC continues to run for several weeks, if the device is non powered.

The status and audio levels of the four sources can be read on the device display. It also offers a menu, for adjusting settings.

Furthermore, you can log into the device with a web browser to configure the system via five web pages.

The core software of the SAC is Linux. A drawback of this OS is that in the event of a power loss, the latest status messages and notifications are not yet written into the logs. To prevent this, a battery has been placed in the SAC that ensures that in the event of a power failure, the OS is properly shut down and (cached) data is saved. The battery is of Lithium-Metal type and it has an expected lifespan of 8 to 10 years. If the battery voltage drops below a limit, this is signaled via SNMP and in the log.

Since the SAC is solid-state (no fan), it is virtually maintenance free.

STATION AUDIO CONTROL - D

Discover the New SAC D with Dante Functionality
Station Audio Control is proud to introduce the latest addition to our product line: the SAC D. With the integration of Dante input/ output, the SAC D brings unparalleled flexibility and control to your audio solutions.

+ Dante™

STATION AUDIO CONTROL Dante™   Station Audio Control

Built-in 4 x 4 Dante Matrix:

The SAC D features an integrated 4 x 4 Dante matrix, allowing you to easily route and manage audio sources over the network. This powerful functionality ensures seamless integration in any professional audio environment.

Simple Network Integration:

Thanks to Dante technology, you can now send and receive audio over standard IP networks. This not only provides high quality and low latency but also offers a simple and cost-effective way to expand your audio infrastructure.

Flexible Configuration:

All new versions of the SAC can be configured as a basic version. This means you can fully tailor the SAC to your specific needs, whether it's for a simple setup or a complex audio network.

User-Friendly Control:

The SAC D offers intuitive control options, allowing you to easily manage and optimize your audio channels. With our user-friendly interface, you always have full control over your audio setups.

STATION AUDIO CONTROL - S

Discover the New SAC S with Stream Functionality
Station Audio Control is proud to introduce the latest addition
to our product line: the SAC S. With innovative features and
unparalleled flexibility, the SAC S brings advanced control to your
audio solutions.

SAC S – Stream Receiver

Built-in Stream Receiver:

The SAC S is equipped with a stream
receiver, enabling direct audio playback
without the need for additional sources.
This feature simplifies your setup and
provides seamless audio streaming
capabilities.

Effortless Integration:

Designed for straightforward integration,
the SAC S can function just like the
standard version, offering the same
flexibility and ease of use you expect
from Station Audio Control products.

Flexible Configuration:

All new versions of the SAC can be
configured as a basic version. This
means you can fully tailor the SAC S
to your specific needs, whether it's
for a simple setup or a complex audio
network.

User-Friendly Control:

The SAC S offers intuitive control options,
making it easy to manage and optimize
your audio channels. The user-friendly
interface ensures you have full control
over your audio environments.

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