



*Stereo Loudness Control with SDI, AES, Analogue I/O, Optional  
ITU-R BS.1770 Meter, Redundant PSU, and SNMP*

## AERO.lite

Loudness Controller



Cost-effective CALM and R128 loudness compliance - that's what AERO.lite™ delivers. Solve inconsistent audio loudness with a simple set-and-forget, feature-rich, processor that incorporates award-winning loudness control tools and extensive I/O. Perfect for main or backup transmission paths.



Like all Linear Acoustic processors, AERO.lite applies preset-driven loudness and dynamic range control using adaptive, look-ahead wideband or multiband algorithms. Standard presets are simplified for easy setup, and GPI control allows compliant content to pass untouched. All at a price point built to fit any budget.

**AERO.lite features:**

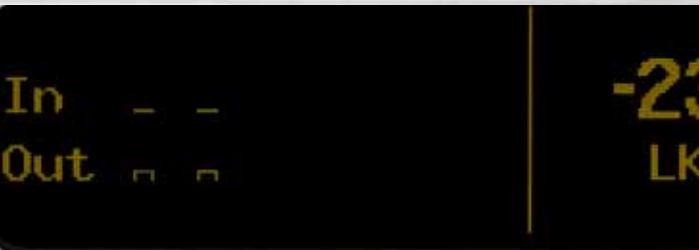
- Simple display of I/O signals
- HD/SD-SDI I/O with access to all audio pairs
- AES I/O with reference input
- +4dBu Analogue I/O
- Headphone output
- Built-in routing and audio format conversion
- GPI/O Alarms and Control
- Utility ITU-R BS.1770 loudness meter (option)
- Redundant PSU (option)
- Ethernet for Logging and SNMP (option)

# AERO.lite



Input and output signal levels are displayed alongside processing meters, and the optional ITU-R BS.1770 measured LKFS output loudness value is provided to give instant verification of loudness compliance.

Audio can be extracted from any pair of an applied HD/SD-SDI signal, AES, or balanced analogue inputs and routed to the processing core. Output is provided simultaneously via the front panel 6.3mm (1/4") headphone connector, +4dBu balanced analogue outputs, AES output and for re-embedding into any or all SDI pairs. Analogue or AES inputs can be used as sources for embedding even if not used for processing. Since all 16 channels are available for de-embedding and re-embedding, pair shuffling can be easily accomplished.



Designed and assembled in the USA, the lightweight and rugged 1RU aluminum chassis is durable enough for installation in challenging environments like OB trucks and cramped edit bays. Built on a broadcast quality Linear Acoustic platform, the AERO.lite is professional grade equipment.

A bright yellow OLED display and integrated rotary navigation cluster provide straightforward menu navigation and function adjustment. Failover bypass relays on all I/O maintains signal continuity. Auto-ranging power supply for worldwide compatibility, and sealed, locking 2.5mm DC input connector for available redundant power supply.

The AERO.lite is backed by the world-class support and expertise of Linear Acoustic. Assistance is just a phone call away.



# AERO-lite Specifications:

## Processing

Linear Acoustic AEROMAX<sup>®</sup> multistage adaptive wideband and multiband loudness and dynamic range control

## Sample Rate/Resolution/Frequency Response

48kHz, 24-bit, 20Hz to 20kHz below threshold

## AES I/O

All connectors are 75-Ohm BNC female; Main inputs with 75-Ohm internal termination; Signal levels per SMPTE 276M/AES-31D-2001

## SDI I/O

Auto-sensing HD/SD-SDI (SMPTE 292M/259M) inputs, up to 1080i/60/59.94/50Hz, access to all 16 audio channels.

## Analogue I/O

10K Ohm balanced XLR female stereo inputs, +4dBu nominal, +24dBu Max.; Balanced XLR male outputs, +4dBu nominal, +24dBu Max into 600 Ohms.

## Parallel GPI/O Control Port

9-pin female D connector, 0-5V TTL levels

## Front Panel Controls and Indicators

Rotary navigation cluster plus graphical OLED display

## Headphone Output

6.3mm front panel connector, +12 dBu max into 600-Ohms

## Power Requirements

90-264 VAC, 50/60Hz, auto-sensing, 35W maximum; Backup redundant DC Input 12VDC, 2.5A maximum via 2.5mm sealed, locking connector with protective cover

## Dimensions and Weight

One rack unit- 1.75"H x 19"W x 11.5"D (44 x 483 x 293 mm) Net weight: 6 lbs (2.72 kg); shipping: 8 lbs (3.62 kg) approximate.

## Environmental

Convection cooled. Operating: 0 to 50 degrees C, non-operating -20 to 70 degrees C.

## Regulatory

North America: Designed to comply with the limits for a class A digital device pursuant to Part 15 of the FCC rules (CFR). Designed for U.S. and Canadian listing with UL;

Europe: Designed to comply with the requirements of Low Voltage Directive 73/23/EEC and EMC Directive 89/336/EEC. Designed for RoHS and WEEE compliance.

## Warranty

Two-years limited parts and labor

## Options

Option 01 - ITU-R BS.1770 Loudness Meter  
Option 02 - Redundant (backup) PSU (external)  
Option 03 - SNMP

AEROMAX, Linear Acoustic and the "LA" symbol are registered trademarks of Linear Acoustic Inc., all other trademarks remain the property of their respective owners.