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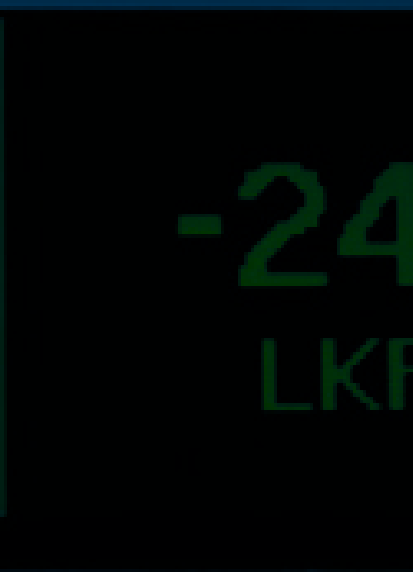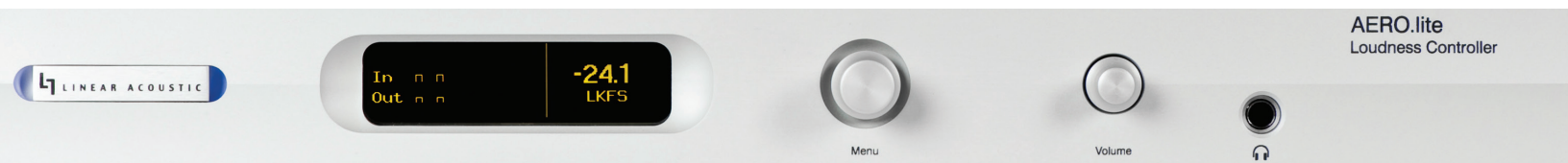
*Stereo Loudness Control with SDI, AES, Analogue I/O, Optional
ITU-R BS.1770 Meter, Redundant PSU, and SNMP*

AERO.lite
Loudness Controller

In

Out

-24
LKF

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.
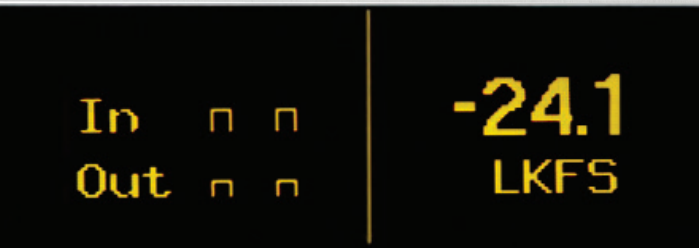
AERO.lite features:

• 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$^®$ 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-3ID-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 Dimensions and Weight

22"W x 17"D x7"H (559 x 432 x 178mm) Net weight: 11 lbs., (5.0 kg), approximate.

Environmental

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

Regulatory

North America: Tested to comply with the limits for a class A digital device pursuant to Part 15 of the FCC rules (CFR). Power supplies are UL tested and approved.

Europe: Tested to comply with the requirements of harmonised Low Voltage Directive 2006/95/EC and EMC Directive 2004/108/EC as indicated by the affixed CE marking; RoHS and WEEE compliant.

Warranty

Standard Telos Alliance 5-year warranty.

Options

Option 01 - Back-up Power Supply

Option 02 - ITU-R BS.1770 Loudness Meter

Option 03 - SNMP

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