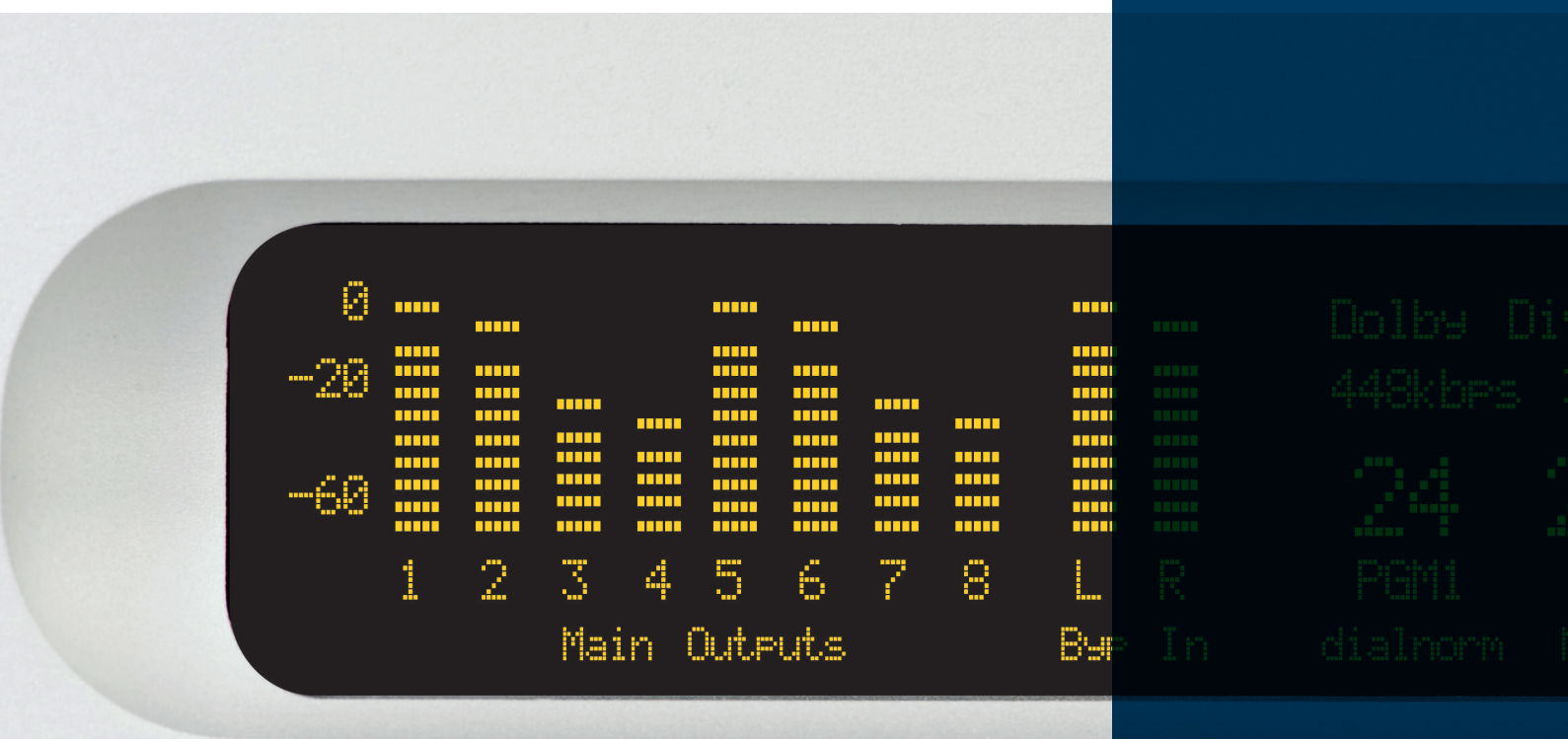




高密度元数据音频响度控制，支持杜比编解码，UPMAX®上混，ITU-R BS.1770响度测量，TCP/IP网络监控

## AERO.1000 响度控制器



## AERO.1000隆重登场 -

### 当今最先进的响度控制器！

高密度编解码，兼具传统和基于元数据的音频响度和动态控制，不仅让电视伴音符合国际通行标准，更能提升观众的聆听体验。



处理多达64通道编码或基带音频信号，支持AES，SDI或DVB-ASI接口，1RU机身的AERO.1000在提供高密度处理能力的同时，兼容广电系统内的各种接口格式。视频补偿延时和3GHz SDI也成为标配，适应各种不同的系统设计需求。

#### AERO.1000功能列表

- |                                   |                               |
|-----------------------------------|-------------------------------|
| · Linear Acoustic CARBON混合式响度处理技术 | · 多达8个AEROMAX响度控制引擎 含UPMAX上混合 |
| · 3GHz HD/SD-SDI输入输出，含视频补偿延时      | · 多达8个杜比解码器加上8个杜比编码器          |
| · 16通道AES输入输出，带时钟基准输入             | · 多达8个Nielsen水印编码             |
| · +4dBu模拟输入输出，耳机输出                | · DVB ASI输入输出                 |
| · 双电源，硬件断电旁通                      |                               |
| · 强大的TCP/IP遥控软件及SNMP监控            |                               |

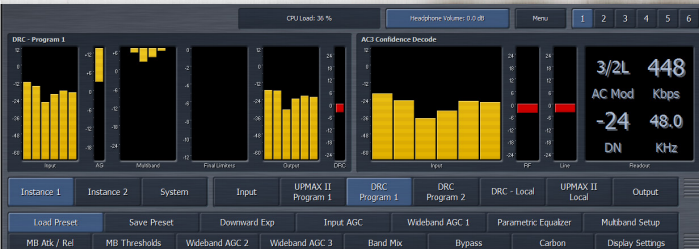
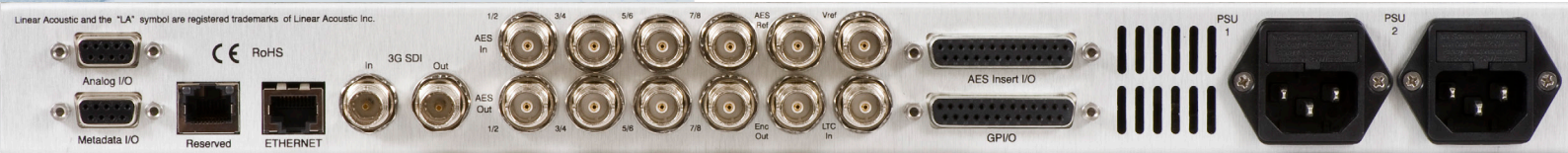
\*所有选件均可通过厂家提供的激活码进行添加

# AERO.1000



AERO.1000的处理算法将Linear Acoustic广受欢迎的全频带与多频带前瞻式响度处理技术与DRC动态范围控制元数据相结合，可在永久处理与可逆处理之间进行无级调整，在响度控制的同时，最大程度地保留原始的声音品质。在AERO.1000上，您依然能得到Linear Acoustic一贯以来的高品质响度处理，不同之处在于，现在您可以选择完全不触碰原始音频。

电视台可以在高品质节目时选择可逆处理，仅需在必要时使用永久处理。最终响度达标还是节目质量变成了一个简单的选择：二者兼备。



功能全面的TCP/IP遥控不但能够控制所有的系统设置，处理及编码参数，还可以通过响度表监看信号、处理、编码和响度状态。系统状态报告提供包括物理接口信息，以及系统、电源和环境信息。遥控软件还能从设备上获取音频信号（最多5.1环绕声），只要网络带宽允许，用户可以在世界上的任何角落监听信号品质。内建的HTTP服务器同样支持对所有参数和状态进行获取和修改。

LA公司全部产品在美国设计和制造，轻量坚固1RU的AERO.1000是您对性能和灵活性的坚实投资。全功能在线升级，所有的选件都可以通过厂家提供的激活码进行添加。

明亮的黄色OLED显示加上Joystick摇杆提供直观的菜单浏览和功能设定。所有的输入输出接口均支持硬件掉电旁通，高度保障安全播出，双电源配置，兼容全球不同电压标准。

Linear Acoustic为AERO.1000提供世界级的专业化服务。技术支持只需一通电话，服务到家。



# AERO.1000 Specifications:

## Processing

- Linear Acoustic CARBON™ Reversible metadata-based Dynamic Range Control
- AEROMAX® multistage adaptive wideband and multiband loudness and dynamic range control with ITU-R BS.1770 loudness metering
- UPMAX® II two-channel to 5.1 channel upmixing and downmixing, automatically bypasses discrete content.

## Sample Rate/Resolution/Frequency Response

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

## AES I/O

Eight main inputs plus reference via 75-Ohm BNC female connectors, internally terminated; Eight main outputs plus Encoder; Eight Aux I/O via 25-pin female D connector; Signal levels per SMPTE 276M/AES-31D-2001

## SDI I/O

Auto-sensing 3GHz HD/SD-SDI (SMPTE 292M/259M) inputs, up to 1080p/60/59.94/50Hz, access to audio and VANC metadata

## Analogue I/O

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

## Parallel GPI/O Control Port

25-pin female D connector; 0-5V TTL levels for 8 inputs and 8 outputs

## Ethernet Remote Control

Gigabit Ethernet supports included TCP/IP remote control application; HTTP server included for get/set control of all parameters.

## 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

## Serial Metadata

9-pin female D connector; 115.2 kbps; pinout per SMPTE 207M (RS-485); Designed to directly interface with Dolby serial metadata (SMPTE RDD6)

## Power Requirements

Dual power supplies, each rated at 100-264VAC, 50/60Hz, auto-sensing, 150W max.

## Dimensions and Weight

One rack unit- 1.75"H x 19"W x 15.5"D (44 x 483 x 394 mm) Net weight: 9 lbs (4 kg); shipping: 12 lbs (5.4 kg) approximate.

## Environmental

Fan 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 as indicated by the affixed CE marking. Designed for RoHS and WEEE compliance.

## Warranty

Two-years limited parts and labor

## Options (vary depending on configuration)

- Up to 8 Dolby E/Digital/Plus Decoders and Encoders
- Up to 8 AEROMAX 5.1+2+Local Engines with dual UPMAX II upmix/downmix
- Up to 8 Nielsen Watermark Encoders
- DVB-ASI I/O supporting up to four PIDs

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