



*DVB-ASI Loudness Controller and Audio Processor  
Highest Quality Loudness Control and Metering for up to Four AC-3 programs  
TCP/IP remote included, Nielsen Encoding Optional*

**AERO.ASI**  
TS Audio Processor

**Aero.ASI 0.13.94**

**Host: ASI-529999**

**IP: 192.168.1.247**

# Introducing AERO.ASI

## *Television Audio Processing for DVB-ASI Signals.*

Hybrid dynamic range and loudness control with new Advanced ITU Limiter provide set-and-forget compliance *and* viewer-pleasing quality while included features deliver incredible cost-savings.



Handling up to 10 channels of audio, encoded or baseband, AES, or SDI, the Linear Acoustic AERO.ASI offers all-inclusive audio processing for television broadcast via over the air, over the top, and mobile services. The new Advanced ITU (AI) Limiter enables a simple loudness target to be set, and the AERO.ASI does the rest to assure compliance and quality.

### **AERO.ASI Includes:**

- Linear Acoustic AEROMAX<sup>®</sup> loudness and dynamics control
- UPMAX<sup>®</sup> II automatic upmixing and downmixing
- Intelligent Dynamics<sup>™</sup> with NEW Advanced ITU (AI) Limiter
- Dolby Digital (AC-3)
- DVB-ASI with included video delay
- Dual PSU and relay bypass
- Extensive TCP/IP remote control and HTTP control

### **Options:**

- 5.1 channel PID
- 2.0 channel PID
- Nielsen<sup>®</sup> Watermark encoder (can be field-enabled)

# AERO.ASI



# AERO.asi Specifications:

## Processing

- 5.1+2+2 (Local/EAS) AEROMAX<sup>®</sup> multistage adaptive wideband and multiband loudness and dynamic range control with ITU-R BS.1770-3 loudness metering
- 2+2+2 (Local/EAS) AEROMAX<sup>®</sup> multistage adaptive wideband and multiband loudness and dynamic range control with ITU-R BS.1770-3 loudness metering
- Dual UPMAX<sup>®</sup> II two-channel to 5.1 channel upmixers plus main channel downmixing, automatic bypass of discrete content.
- Linear Acoustic Intelligent Dynamics<sup>™</sup> with NEW Advanced ITU (AI) Limiter

## Audio Codecs

- Dolby Digital (AC-3), up to 5.1 channels

## 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; Signal levels per SMPTE 276M/AES-31D-2001

## DVB-ASI I/O

DVB-ASI (ETSI TR 101 891 v1.1.1) Transport Stream Input

## Parallel GPI/O Control Port

25-pin female D connector; 0-5V TTL levels for 8 inputs and 8 outputs; controls simple preset recalls plus voiceover/EAS insertion

## 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

Graphical OLED display

## Power Requirements

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

## 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: 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 Linear Acoustic 2-year warranty.

## Options:

- 5.1 Channel PID
- 2.0 Channel PID
- Nielsen Watermark Encoder (5.1+2)

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