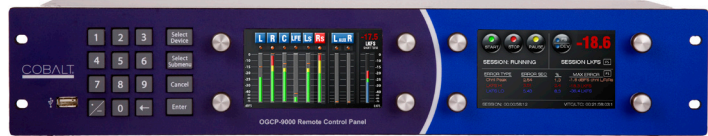


# Loudness Meter

## Software Option



Cobalt's Loudness Meter software provides a flexible, comprehensive solution for ingest or on-air loudness metering and assessment. With true peak level detection, error tracking and logging, and intuitive interface with touch screen control, the option ensures thorough audio level and LKFS assessment information, and is ATSC A/85 and ITU BS.1770 compliant.

The Audio Loudness Meter (+LM) operates on select 9000 series cards, in tandem with the award-winning OGCP-9000 remote control panel. The option is also available on the Fusion3G™ 9900 series. The software can be ordered with product purchase, or activated later using a downloadable feature key via free DashBoard™ remote control/monitoring software (no need to remove or replace card).

## Features

- ATSC A/85 and ITU BS.1770 compliant
- True peak level detection
- Comprehensive error tracking and logging
- Intuitive user interface with touch screen control
- LKFS error analysis suitable for ingest and post production environments
- Display shows full LKFS and confidence monitoring for up to eight input channels
- Flexible monitoring modes include configurable dBFS bar graph meters, absolute/deviation LKFS display modes, and LKFS error thresholds
- Detailed web-browser session log reports with CSV raw data output available
- 10/100 Mbps Ethernet TCP/IP connection
- Real time clock with on/off timer
- Accommodates any combination of audio sources handled by host card: embedded, AES, analog, or decoded Dolby® E or AC-3
- Automated control via OGCP-9000 GPI ports
- Five year warranty

## Specifications

### dBFS Scale Range

0 to -70 dBFS; absolute or configurable relative

### LKFS Scale Range

0 to -70 LKFS; FS or deviation from target

### Ethernet

10/100 Mbps between OGCP-9000/host card

### Averaging

Simultaneous session (infinite term) and short-term; configurable short-term averaging period

### Timing Source

Accommodates network time server  
Analog and SDI VITC waveform SDI ATC\_VITC, SDI ATC\_LTC per host card

### Audio Inputs

8-Ch confidence monitoring  
5-Ch (L, R, C, Ls, Rs) LKFS assessment per ITU 1770 and ATSC A/85  
Accommodates embedded, AES, analog, decoded, Dolby® E or AC-3

## Ordering Information

<b>+LM</b>	Optional Audio Loudness Meter
<b>Fusion3G™</b>	Available as option on all Fusion3G™ 9900 Series for openGear™
<b>OGCP-9000</b>	2RU Remote Control Panel for Fusion3G™/COMPASS™ Cards (Specify country of destination for power cord)
<b>9033</b>	Input Processing Analog to Digital Video with Audio Embedding
<b>9034</b>	Input Processing Analog to Digital Video with Audio Embedding and Frame Sync
<b>9035</b>	Analog and SDI Input to SDI Output Converter with Audio Embedding, Frame Sync
<b>9061</b>	Up/Down/Cross Converter with Analog/SDI Input, Audio Embed/De-Embed, Frame Sync, Timecode and Closed Caption Support
<b>9062</b>	Up/Down/Cross Converter with HD/SD-SDI Input, Embedded Audio, Frame Sync, Timecode and Closed Caption Support
<b>9066</b>	Upconverter with Analog/SDI Input, Audio Embed/De-Embed, Frame Sync, Timecode and Closed Caption Support
<b>9067</b>	Upconverter with SD-SDI Input, Embedded Audio, Frame Sync, Timecode and Closed Caption Support
<b>9822</b>	Downconverter with HD/SD-SDI Input, Embedded Audio, Frame Sync, Timecode and Closed Caption Support
<b>9081</b>	HD/SD Frame Sync with Embedded Audio Processing
<b>9083</b>	HD/SD Frame Sync with Audio Embedding/De-Embedding
<b>9305</b>	Embedded Audio Delay Processor, with Optional Audio Upmixer
<b>9321</b>	HD/SD Embedder
<b>9322</b>	HD/SD De-Embedder
<b>9323</b>	HD/SD Embedder/De-Embedder with A/V Processing