

# Inovonics 261

*An All-Digital Stereo "Utility Processor"*

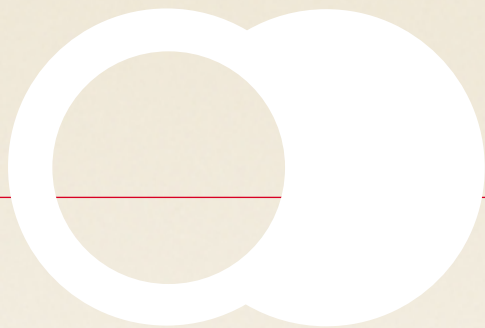
## ***GATED AGC, DYNAMIC RANGE COMPRESSION AND TIGHT PEAK CONTROL***

Inovonics' 261 affords the broadcaster a simple, economical and unobtrusive means of normalizing and controlling audio levels in an all-digital or mixed-signal plant.

The 261 provides the three audio processing functions of gated, gain-riding AGC, program dynamic range compression and final peak control. The unit may quickly be configured to incorporate a single basic function independently, or to utilize all processing options for comprehensive program audio control.

The DSP-based 261 affords the same versatile functionality of its predecessor, the Model 260, which has enjoyed a product life of more than 20 years. The 261 presents additional features, vastly improved performance, and ease of integration with today's trend toward an all-digital broadcasting facility.





# Inovonics 261

## Features & Specifications

- An all-digital design using proven DSP technology with 32-bit architecture.
- The menu-driven setup utilizes an easy-to-read LCD display. A minimalist approach to user controls assures positive, repeatable presets.
- Accepts both analog and digital program inputs; provides both analog and digital outputs simultaneously.
- Rear-panel tallies enable remote alarm indication.

### FREQUENCY RESPONSE

±0.1dB, 20Hz–20kHz

### NOISE AND CROSSTALK

Digital I/O: better than 100dB below limiter ceiling

Analog I/O: better than 80dB below limiter ceiling

### DISTORTION

Digital I/O: <0.01%THD below limiting threshold

Analog I/O: <0.015%THD below limiting threshold

Limiter distortion is an inverse function of frequency;  
<0.5%THD at 50Hz, <0.1%THD above 200Hz.

### PROGRAM INPUTS

**Digital:** AES/EBU XLR input accepts 16-, 20- or 24-bit inputs at sampling rates of 32kHz, 44.1kHz, 48kHz and 96kHz.

**Analog:** Active-balance, bridging XLR inputs accept nominal program line levels between –15dBu and +15dBu.

### PROGRAM OUTPUTS

**Digital:** AES/EBU XLR output follows the sampling rate and word length of the digital input, or may be selected by menu when analog inputs are used.

**Analog:** Active-balanced XLR outputs may be adjusted by menu selection for a nominal line level between 0dBm and +15dBm.

**PRELIMINARY**

### AGC CAPTURE RANGE

The AGC function has a normal capture range of 30dB (±15dB). However, the maximum AGC gain may be set by the user to a value between 0dB and +15dB, as may be required with some program material. The AGC has selectable 'slow' and 'fast' correction rates.

### PROGRAM PEAK CONTROL

An integrated limiter/clipper restricts program peaks to an absolute 'ceiling' value, the level of which is adjusted with the Output Level control.

### DYNAMIC COMPRESSION

Compression of program dynamics is afforded by a time-domain "platform" function associated with the peak controller. Additional circuit gain is imparted when this function is enabled, and may increase the average value of the program by as much as 6dB, depending on the average/peak ratio of the source.

### ALARM TALLY OUTPUTS

Open-collector-transistor outputs saturate to ground under Input Overload, Out-Of-Limits or Program Loss conditions.

### POWER REQUIREMENTS

105–130VAC or 210–255VAC, 50/60Hz; 10W

### SIZE AND SHIPPING WEIGHT

1¾"H x 19"W x 8"D (1U); 8 lbs

### PRICE AND AVAILABILITY

\$1150; August, 2006

