# Inovonics 264

## *A "Quad Leveler" For Loudness Normalization*

### *4 INDEPENDENT CHANNELS OF COMPREHENSIVE AUDIO LEVEL MANAGEMENT*

The 264 hosts four separate and independent channels of analog audio gain control. Used separately, the four channels are ideal for microphone leveling or similar monaural applications. Channels may also be selectively linked for dual-stereo or split mono/stereo program control.

The 264 employs a unique combination of peak and average response to program dynamics that couples the gain-riding advantage of an intelligent AGC with the tight peak control of a fast limiter. This particular combination of long- and short-term level correction normalizes the average-to-peak ratios of diverse audio sources to a common and natural-sounding value, giving a consistent level of subjective loudness without the need for excessive compression of program dynamics that can promote listener fatigue.

The 264 operates entirely within the analog domain and utilizes colorless Class D (PWM) technology for stable and transparent operation.


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## *Features & Specifications*

- The 264 establishes a fixed average/peak ratio without overly compressing program dynamics.
- Four independent channels are easily configured as 4 mono, 2 stereo, or 1 stereo and 2 mono.
- Easy installation and setup is assured by a minimum of user controls. Operation is program-controlled and fully automatic.
- Alarm tally outputs allow remote indication of program source irregularities.
- The simple and straightforward design utilizes generic, readily available components to facilitate easy maintenance worldwide.

*Rear view*

### *FREQUENCY RESPONSE*
±0.25dB, 20Hz–20kHz

### *NOISE AND CROSSTALK*
Better than 70dB below the nominal program output level, 20Hz–20kHz.

### *DISTORTION*
<0.15% THD, 20Hz–20kHz

### *PROGRAM LINE INPUTS*
Active-balanced, bridging (XLR) inputs accept nominal program line levels between –15dBu and +15dBu.

### *INPUT CAPTURE RANGE*
The gated-AGC function acts on both the average and the peak program content to normalize input levels between –18dB and +12dB, relative to the nominal, 'zero-VU' input setting.

### *PEAK CONTROLLER*
A closed-loop, time-domain limiter restricts program peak values to a level between 0dB and +8dB, relative to the AGC-leveled input signal. Peak control is based on the limiter's complex response to program dynamics.

### *PEAK CLIPPER*
A front-panel-adjustable 'semi-hard' clipper may be set by the user at any value between 0dB and +8dB, relative to the peak limiter output ceiling. Settings below +8dB will be predicated on acceptable levels of clipping artifacts for the specific program content.

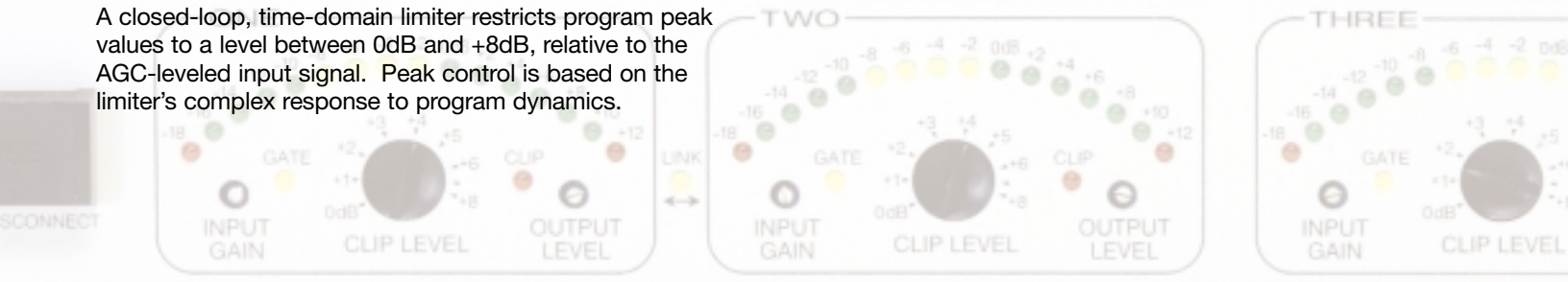
### *PROGRAM LINE OUTPUTS*
Active-balanced (XLR) outputs; level may be adjusted between 0dBm and +15dBm.

### *STEREO LINKING*
To preserve stereo imaging, gain reduction circuitry may be linked between channels 1 and 2 and/or between channels 3 and 4.

### *ALARM TALLY OUTPUTS*
Each channel has an open-collector-transistor output that saturates to ground for a program-loss or out-of-limits condition. Tally outputs may be tied together to create a common alarm.

### *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

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