

# ALM 673



## Dual Mono/Stereo Audio Level Master

The ALM673 Audio Level Master stabilizes audio volume level by adjusting gain so that the out put volume remains constant even if the input level is not constant. A switch on the back enables the Audio Level Master to operate in the stereo mode, or as two independent monaural Audio Level Masters. The ALM673 differs from the ALM672 in that it contains two control systems so that it can operate in the dual mono mode.

Each ALM673 card can handle one stereo channel or two monaural audio channels. Very sophisticated, program dependent, level control systems prevent "ducking" of background sound when doors slam or guns go off, and also prevents background sound from becoming louder just because foreground speech stops.

A dual L.E.D. display monitors the degree of program control being exerted on each of the two channels.

Each of the two channels can control input variations over a 30 dB range while holding out put volume within 0.5 dB.

The ALM673 comes equip with a plug-in screw terminal connector to make installation a snap!

The Audio Level Master is a broadcast quality, full professional grade, automatic audio level control systems, built with the price and quality, full professional grade, automatic audio level control system, built with the price and quality conscious Cable Operator in mind. Each ALM673 card contains one full stereo or two mono channels, and three cards fit in one PMS610 mainframe. Since the PMS610 mainframe only occupies one rack space (1.75 inches), the Audio Level Master needs very little of the scarce rack space in the cable head-end. Thus on PMS610 mainframe can provide audio level control for up to 6 monaural channels or three stereo channels. The switch enables easy conversion from monaural channels to stereo channels.

# ALM673

## Dual Mono/Stereo Audio Level Master

### INPUT

Average Program Level (APL)  
Peak Program Level (PPL)  
Impedance  
Common Mode Suppression  
Type

### SPECIFICATIONS

-20 to +8 dBm (adj. range)  
10 dB above APL  
Balanced 600 Ohm  
40 dB or better  
Dual Mono or Stereo

### THROUGHPUT

Frequency Response  
Control Ratio

40 Hz to 15 KHz, 0.5 dB  
30dB input range reduce to  
1dB output change

Control Gating

No change in gain during  
input level drop-out

Distortion  
Signal-To-Noise  
Compression Artifacts

0.03 %THD maximum  
75 dB  
None Perceptible

### OUTPUT

Average Program Level (SET)  
Peak Program Level  
Impedance

0, +4 or +8 dBm  
10 dB above APL  
600 Ohm load, balanced &  
floating

### METERING

Control Indication

Dual LED Display (3dB steps)

### MECHANICAL

Card

Fits in one of three spaces  
in the 1.75" high PMS610  
mainframe

Audio Connectors

Detachable wire screw terminal  
connector