

DESCRIPTION

The ARG-880 audio remote gain amplifier is a high-performance amplifier that offers a ± 20 dB remotely controlled audio gain that can be increased for specific applications. Control is selectable to either remote or local.

Flat frequency response, carefully controlled roll-off and very low distortion ensure a virtually transparent transmission path.

The input is over-voltage protected up to 120 Volts AC or DC. The transformerless, balanced input is normally bridging, but can be terminated by installing a suitable resistor. Unbalanced input is converted to balanced output.

Isolation between modules in the mounting frame is better than 90dB over the entire audio frequency band.

FEATURES

- ▶ **Remotely controlled audio gain (± 20 dB)**
- ▶ **+30dBu max. input level**
- ▶ **+24dBu max. output level**
- ▶ **90dB signal to noise ratio**
- ▶ **7 outputs**
- ▶ **Simple DC remote control (up to 300m)**

SPECIFICATIONS

Specifications and designs are subject to change without notice.

INPUT

Impedance	50K ohms balanced
Maximum level	+30dBu
Common mode range	± 20 V
CMR	90dB to 1KHz, 60dB to 20KHz

REMOTE GAIN

Control	local/remote switch selectable
Type	D.C. control
Range	± 20 dB

OUTPUTS

Number	7
Impedance	66 ohms balanced
Maximum level	+24dBu
Output isolation	70dB 20Hz to 20KHz

PERFORMANCE

Gain range	± 20 dB
S/N ratio	80dB @ unity gain, 20Hz to 20K, relative to +8dBu signal, unweighted
Frequency response	± 0.05 dB 20Hz to 20KHz relative to 1KHz
Total harmonic distortion	<0.02%, 20Hz-20KHz @ +24dBu
Intermodulation distortion	0.03% SMPTE @ +24dBu

TEMPERATURE RANGE

Performance	5-40 deg. C.
Operating	0-50 deg. C.

POWER REQUIREMENTS

Supply voltage	± 21 V
Power dissipation	2.5W.

ORDERING INFORMATION

For more information visit www.leitch.com

ARG-880	Audio Remote Gain Amplifier
880RP	Remote Control Panel
FR-883	4 DA frame with 85-270V power supply
FR-883-48	4 DA frame with 48VDC power supply
FR-884	12 DA frame with 85-270V power supply
FR-884-48	12 DA frame with 48VDC power supply
FR-684AV	5-video, 5-audio frame with power supply
884PS	Redundant 85-270V power supply
884PS-48	Redundant 48VDC power supply
101ME	Module extender