



# Grommes~Precision Precision Electronics



DESIGNED AND  
MADE IN U.S.A.



## The MICRO Series

3 Input Channel Mixer Amplifier: 15 or 30 Watts of Continuous RMS Power

Don't let the **MICRO's** compact size fool you! The extremely flexible and multi-tasking **MICRO Series** mixer amplifier is packed with features ready to meet your every sound demand.

The **MICRO Series** features 3 input flexible channels (2 mic, 4 aux, 1 600 ohm/Tel-Page) delivering 15/30 watts of continuous RMS power with low distortion, wide frequency response, and full range bass and treble controls. The **MICRO Series** comes in two versions: the **MICRO 15/30** version comes with a screw terminal input strip, while the **MICRO 15X/30X** version comes with two convenient XLR-¼" combination connector inputs. Designed for bullet proof operation, the **MICRO Series** is replete with numerous means of protections including built-in circuit breaker and thermal and current limiting.

At only 1 rack space (2U in height and 1U in width!), the **MICRO Series** may be small in size, but big in sound and flexibility. Plus, with over a half-century of experience in the industry, **Grommes~Precision** backs the **MICRO Series** with its unbeatable expertise and Precision Assurance Pledge: a **7 year warranty** and a **30 day money back guarantee**.

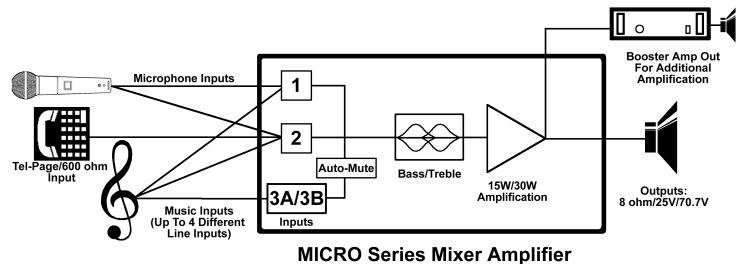
Grommes~Precision Amplifying Since 1946.

### FEATURES

- 15 or 30 Watts of Continuous RMS Power
- 3 Channel Variable Input Mixing Flexibility: All Built-in—No Expensive Modules Required
- Compact Size: 2U in Height—1U in Width
- Automatic Mute (Defeatable)
- 15V Phantom Power (Defeatable)
- Separate Bass & Treble Controls
- Built Tough: Multiple Protections Including Built-In Circuit Breaker and Thermal & Current Limiting
- 25V & 70.7V Built-in Output Transformers
- Rack & Wall Mountable with Optional Kits
- 5 Year Warranty & 30 Day Money Back Guarantee

	MICRO SERIES
POWER OUTPUT RMS	15W / 30W
DISTORTION @RPO	<0.5%
MIXING CHANNELS	3
OUTPUTS	4-8 ohm / 25V-70.7V LINE / BOOSTER
FREQUENCY RESPONSE DIRECT	+/-1dB 20-20kHz
LINE	+/-1dB 50-15kHz
INPUTS	2-MIC; 4-AUX; 1-600 ohm/TEL-PAGE
TOPE	BASS & TREBLE
MICROPHONE	SCREW (M15 & 30) or XLR & ¼" COMBO CONNECTORS +15V PHANTOM POWER
RACK UNITS	2U HIGH - 1U WIDE
DIMENSIONS / WEIGHT	8.4"Wx3.25"Hx7.25"D / 6LBS / 9LBS

Ideal for any Telephone Interconnect and/or Background Music Application.



## Grommes~Precision

847-599-1799 · 800-SINCE-46 · FAX: 847-599-6178

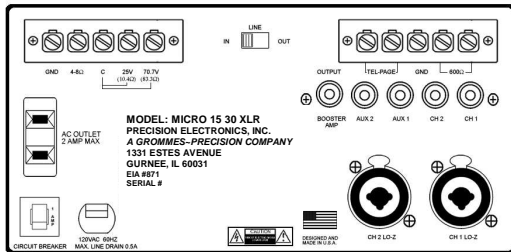
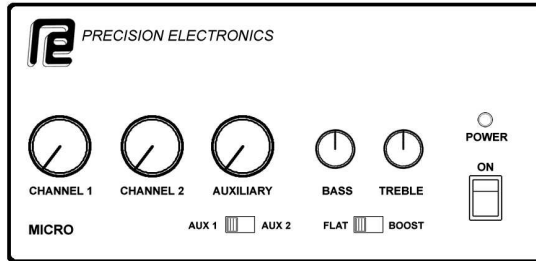
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[www.grommesprecision.com](http://www.grommesprecision.com)

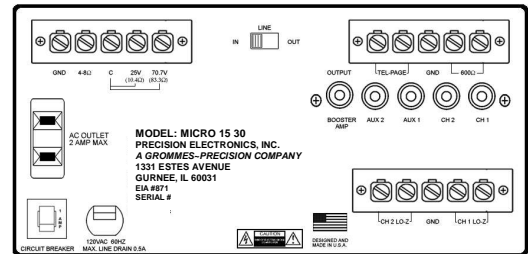
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**MICRO XLR VERSION  
(COMBO XLR & 1/4" CONNECTORS)**



**MICRO STANDARD VERSION  
(SCREW TERMINALS)**

## MICRO 15 & MICRO 30

### Architects Specifications

The mixer amplifier shall be a Grommes-Precision Electronics, Inc. model Micro 15/30. The power amplifier shall provide 15/30 watts of continuous, monaural RMS power into a direct coupled 4-8 ohm, 25V, or 70.7V lines. The 25V and 70.7V output shall be supplied through a fully isolated output transformer. Total harmonic distortion at rated output shall be less than or equal to 0.1%. The frequency response for 4-8 ohm output shall be 20Hz to 20kHz, +0 to -1 dB. The frequency response for 25V and 70.7V output shall be 50Hz to 15kHz,  $\pm 1$ dB. Hum and noise shall be at least 75dB below rated output for auxiliaries and 65dB below for microphones, unweighted.

The inputs shall be capable of: Channel 1 either microphone level or Hi-Z line level; Channel 2 either microphone level, 600 ohm/Tel-Page, or Hi-Z level; Channel 3 either one of two Hi-Z levels. The input sensitivity required to receive full rated output shall be: microphone

600 ohm - 0.50V, and Hi-Z - 0.50V. The input impedance shall be microphone level - 330 ohm, 600 ohm/Tel-Page - 600 ohm, 600 ohm - 600 ohm, and Hi-Z - 10K ohm.

The mixer amplifier shall have full range bass and treble controls that adjust  $\pm 12$ dB at 50Hz for bass control and  $\pm 12$ dB at 10kHz for treble control.

The front panel shall include a power indicator, power switch, controls for each of three channels, and one each for the bass and treble. A switch shall be included on the front panel to switch between two Hi-Z inputs for channel 3 and a switch shall be included to provide for the boost on the tone circuit, +6dB at 50Hz and 10KHz.

The back panel shall include input connectors, microphone inputs (either screw terminals for the standard model or XLR-Combo connectors for the XLR version), phono (RCA) connectors for all Hi-Z inputs, and screw terminals for the

connectors shall be screw terminals.

An output switch shall connect the output transformer in circuit for 25V and 70.7V line outputs and also switch in a low cut filter that begins to roll-off at 120 Hz. The circuit breaker and 2 ampere maximum convenience outlet shall also be on the back panel.

The mixer amplifier shall be available in either 120VAC 60Hz or 240VAC 50Hz versions (add DV to the model). The maximum power consumption of the 15 watt unit shall be 60W. The maximum power consumption of the 30 watt unit shall be 120W.

The unit shall measure 8.375"W x 3.25"H x 7.25"D (21.3cm x 8.3cm x 18.4cm). The unit shall weigh, 15 watt - 6lbs (2.7kg) and 30 watt - 9lbs (4 kg). The unit shall be rack mountable with optional rack mount kit RP-MIC. The unit shall include a full 7 year warranty be designed and manufactured in the United States of America.



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