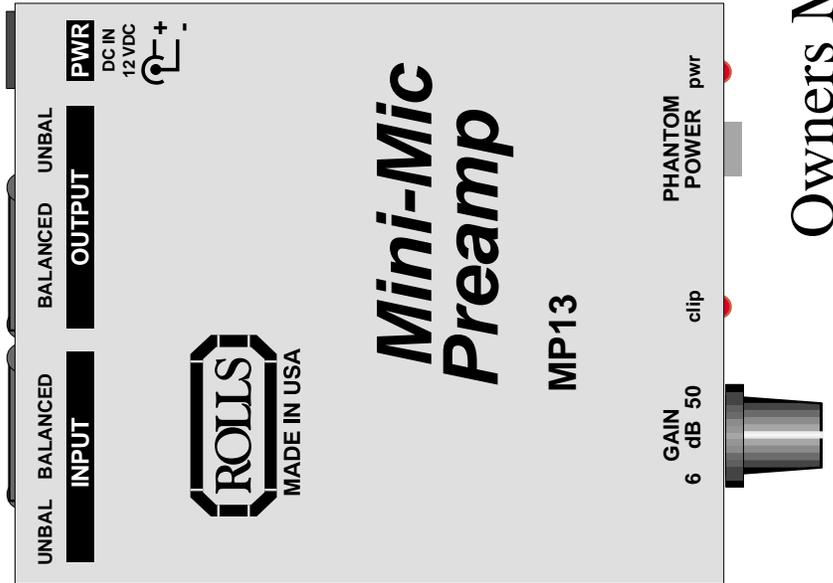


MP13 MINI-MIC MICROPHONE PREAMP



Owners Manual

LIMITED WARRANTY

This product is warranted to the original consumer purchaser to be free from defects in materials and workmanship under normal installation, use and service for a period of one (1) year from the date of purchase as shown on the purchaser's receipt.

The obligation of Rolls Corporation under this warranty shall be limited to repair or replacement (at our option), during the warranty period of any part which proves defective in material or workmanship under normal installation, use and service, provided the product is returned to Rolls Corporation, TRANSPORTATION CHARGES PREPAID. Products returned to us or to an authorized Service Center must be accompanied by a copy of the purchase receipt. In the absence of such purchase receipt, the warranty period shall be one (1) year from the date of manufacture.

This warranty shall be invalid if the product is damaged as a result of defacement, misuse, abuse, neglect, accident, destruction or alteration of the serial number, improper electrical voltages or currents, repair, alteration or maintenance by any person or party other than our own service facility or an authorized Service Center, or any use violative of instructions furnished by us.

This one-year warranty is in lieu of all expressed warranties, obligations or liabilities. ANY IMPLIED WARRANTIES, OBLIGATIONS, OR LIABILITIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE ONE YEAR DURATION OF THIS WRITTEN LIMITED WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

IN NO EVENT SHALL WE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WHATSOEVER. Some states do not allow the exclusion or limitation of special, incidental or consequential damages so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

MP13 MINI-MIC PREAMP MICROPHONE PREAMP

- XLR and 1/8" Inputs
- XLR and 1/4" Outputs
- Gain Control
- Clip LED indicator
- +21 Volt Phantom Power

The MP13 is designed to provide simple, inexpensive microphone preamplification for a variety of applications. The unit has both XLR and 1/4" inputs and outputs, a single Gain control with a Clip LED indicator, and Phantom powering is included for use with a condenser microphone. The 1/4" output is specially designed for use as either a mono unbalanced output, or a stereo headphone output.



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INTRODUCTION

Thank you for purchasing the ROLLS MP13 MINI-MIC Microphone Preamp. The MP13 uses a servo balanced instrumentation amplifier for studio grade performance in a small package. This equates to a 40db better common mode rejection ratio (CMRR) than transistor inputs used by most companies on mic inputs. It also means much lower distortion. The clearer sound with more "air" puts the MP13 in a class with much higher priced units.

FEATURES

- XLR and 1/8" Mic Inputs
- XLR and 1/4" Outputs
- Gain Control
- Clip LED indicator
- 1/4" Output Drives Stereo Headphones
- +21 Volt Phantom Power - available for 1/8" microphones

DESCRIPTION

INPUT: 1/4" and female XLR jack for signal input.

OUTPUT: 1/4" and male XLR jack for signal output. May be connected to stereo headphones for personal monitoring.

POWER: Sleeve positive barrel jack for connection to the AC power adapter.

GAIN: Controls the amount of signal increase to the MP13.

CLIP: LED for indicating circuit clipping. Indicates distortion is possible.

PHANTOM POWER: When pressed in, applies +36 volts of phantom powering to the XLR input.

PWR: LED for indicating power is applied to the MP13.



SPECIFICATIONS

Connectors:	Inputs:	XLR, 1/8" TRS balanced Mic In
	Outputs:	XLR balanced, 1/4" unbal. Aux/Hdphn
Input Impedance:		10K Ω bal, unbal.
Max Input Level:		+4 dBV XLR bal, +10 dBV unbal.
Max Gain:		60 dB/XLR, 54 dB 1/4"
Phase Shift:		<10 deg. 20 Hz - 20 kHz
EIN:		-108 dB max.
THD:		<.01%
IMD (SMPTE)		<.01%
CMRR:		> 80dB
Phantom Power:		+21 Volts, 6 mA
Power:		12 VDC adapter
Weight:		1 lbs (.45Kg)
Size:		3.4" x 4.2" x 1.4"

SCHEMATIC

