

Bellari

MP507 Tube Mic Preamp



SPECIFICATIONS

Input Impedance:	XLR: 600 Ω (Transformer balanced) 1/4": 1m Ω
Output Impedance:	XLR: 100 Ω 1/4": 100 Ω
THD:	.15%
S/N Ratio:	>110 dB
Maximum Input Level:	-30 dB mic +4 line XLR, -10 dB 1/4"
Maximum Output Level:	+16 dB XLR, +10 dB 1/4"
Pad:	- 37 dB
Frequency Response:	20 - 25kHz +/-3 dB
Dimensions:	3" X 5.5" X 6"
Weight:	1.6 lbs.
Power:	15 VDC
AC Power Req:	100-240VAC

Bellari

ROLLS CORPORATION
SALT LAKE CITY, UTAH

5/14

Quick Start Guide

TOP PANEL DESCRIPTION

NORM/PAD: When this switch is OUT, the XLR input signal is decreased by 37dB, when IN the signal is unaffected (NORMAL).

48V PHANTOM POWER: When this switch is pressed IN, 48 volts of microphone phantom power is applied to the XLR Input jack.

PHASE: When this switch is pressed in, the phase of the Output signal is reversed 180 degrees.

PWR LED: Indicates the MP507 is receiving power.

GAIN CONTROL: Adjusts the amount of gain or drive in the MP507 tube circuitry.

LEVEL CONTROL: Adjusts the amount of output volume.

---Start out with the GAIN and LEVEL controls set at the middle position. This will be the most optimal way to begin the set up process---



REAR PANEL

INPUTS: 1/4" TS unbalanced instrument level, and XLR balanced input jacks.

OUTPUTS: 1/4" TS unbalanced, 1/8" (3.5mm) Stereo (left, right and ground). XLR balanced jack all outputs are at line level.

LIFT-GND: This is for lifting or grounding the input XLR jack to the rest of the circuit ground. This can help with noise from ground loops.

--- Adjust the switch to the position that sounds best ---

VDC: Connects to the supplied Rolls/Bellari PS27s adapter.

CONNECTION

First, make sure the MP507 power supply is connected to an AC outlet. Connect a microphone to the MP507 input XLR jack, press in the PHANTOM POWER switch if the microphone is a condenser type and requires phantom power. Connect the MP507 Output to the line level Input of the equipment you are going into, using either the XLR, 1/4" (mono) or 3.5mm (stereo) .

The MP507 amplifies your microphone signal to a professional line level. That signal may then be sent to a digital recorder, mixing console, or signal processor.

- If you connect the MP507 XLR Output jack to an XLR input on a mixer (THAT IS MIC LEVEL), you may be using the mixer channel's mic pre-amps. This will result in distortion. If this happens, use the MP507 1/4" Output to a 1/4" line level input on the mixer. Speak or sing into the microphone at the volume level used during performance. Set the GAIN control to the desired level. Adjust the MP507 output LEVEL control so the input level indicators on the recorder or mixer show a desirable amount. If your microphone puts out a high level of power, or if you are connecting a XLR balanced line-level signal to the MP507 input section, set the NORM/PAD switch to the out or PAD position. The Phase Reverse (REV) switch is used to change the phase of the output signal 180 degrees from that of the input. This is for correcting possible wiring mismatches, or microphone phase mismatches.

INSTRUMENT PREAMP

The MP507 may be used as an instrument preamp or direct box. Connect your instrument to the 1/4" unbalanced (mono) input.

- If using the MP507 as a direct box, use the XLR output of the MP507 and connect to the mixer. Set the MP507 LEVEL control fully counter-clockwise (OFF) to begin with. Set the GAIN control to half, then slowly bring up the LEVEL control to avoid over driving the next device.

- If the MP507 is used as an instrument preamp, connect the 1/4" (mono) output of the MP507 to your amplifier or mixer and set the levels as desired.

NOTE:

The MP507 is designed to clip the tube before the output section actually distorts. This affords you the ability to drive the tube harder providing a warmer, more natural sound.