

INTRODUCTION

Thank you for your purchase of the PM55 Stereo Personal Monitor Amplifier. This unit is a unique device for monitoring ones self and program material at the same time. It has a monitor level control and a mic level control, a mic pass-through XLR jack, earphone and headphone output jacks, and a switchable stereo/mono 1/4" monitor input jack.

The PM55 is designed for performers who need to monitor their own signal, such as their vocals, with the main mix. It has become very popular with drummers who need to mix a click track with a monitor signal. Church choir singers love the PM55 to monitor their voices over the musicians. And many sound technicians use the PM55 as a quick line tester to troubleshoot audio systems.

The PM55 features all these benefits in a convenient battery-powered package.

DESCRIPTION

MIC THRU: XLR jack paralleled (hard-wired) to the MIC INPUT jack for pass-through to a mixer or other input device.

lift/gnd: Header jumper for connecting or disconnecting the XLR ground (pin 1) to chassis ground. The PM55 is configured at the factory with pin 1 **connected** to ground.

MIC INPUT: XLR balanced jack for connection to a condenser or dynamic microphone.

MONITOR INPUT: 1/4" TRS stereo jack for connection to a line source such as a mixer monitor/auxiliary output, cassette player output, CD player output etc.

POWER: This button turns the PM55 on and off.

BATTERY: Compartment for 9 Volt (alkaline preferred) battery.

stereo/mono: Header jumper to configure the Monitor input for TRS stereo or TS mono operation. The PM55 is configured at the factory in **stereo** mode.

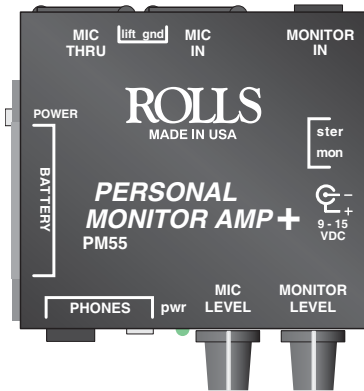
9 - 15 VDC: For connection to the Rolls PS27 AC power adapter.

PHONE OUTPUTS: One 1/4" TRS stereo headphone output, one 1/8" TRS stereo earphone output.

pwr: Indicates the PM55 is on.

MIC LEVEL: Adjusts the level of signal coming from the MIC INPUT.

MONITOR LEVEL: Adjusts the level of the incoming signal from the Monitor Input.



SCHEMATIC

To view the PM55 schematic, visit our website at www.rolls.com.

WARRANTY

For information on the Rolls One Year Limited Warranty, and to register this product, visit our website at www.rolls.com

... anywhere you need versatile, clear and loud personal monitoring.

ROLLS

- Broadcast
- Live
- Studio

PM55 Personal Monitor Station

PM55

ROLLS

PM55 Personal Monitor Amplifier

The PM55 is an essential monitoring tool for studio or live applications. It allows you to mix a mic signal and a monitor signal and hear them via headphones.

- XLR Mic In & Pass Through
- Ground lift on XLR signal
- Stereo/Mono 1/4" Monitor Input
- Headphone and earphone outputs
- Battery or AC operation
- Lots of output level, it's loud.

SPECIFICATIONS

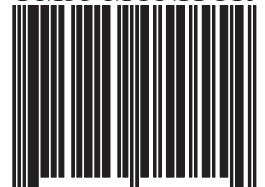
Max Input Level:	-20 dB XLR, 40 dB monitor
Input Impedance:	600 Ohm Mic, 22k Ohm Monitor
Output Impedance:	10 Ohms
Gain:	15 dB 1/4", 50 dB XLR
Bandwidth:	50 - 20 kHz
S/N Ratio:	90 dB
Power:	9 - 15 VDC
Size:	3" x 2.5" x 1.25" (7.6 x 6 x 3.2 cm)
Weight:	1 lb (.45 Kg)

ROLLS

Rolls Corporation
Salt Lake City, UT
09/08

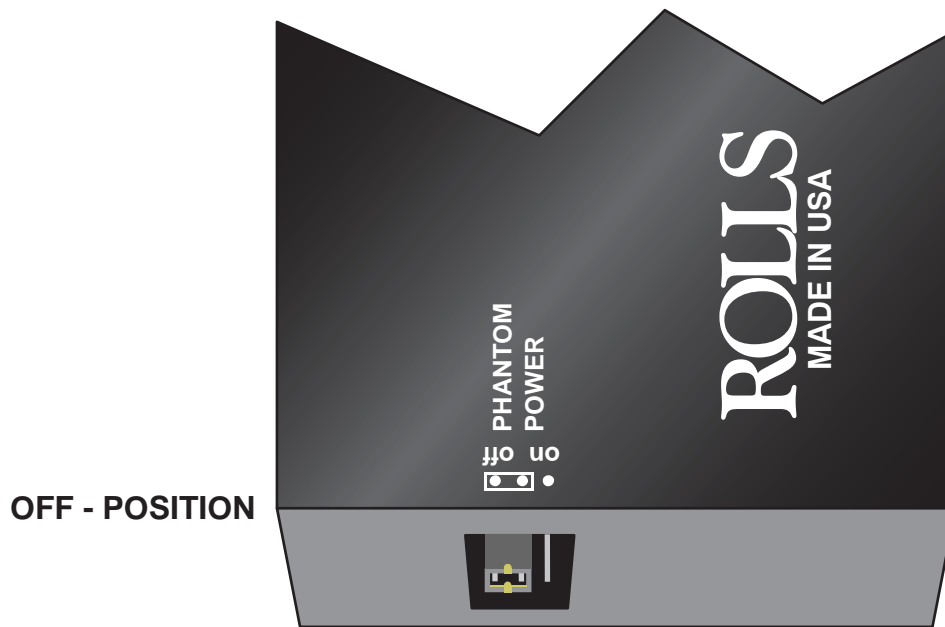


PM55 MONITOR



6 75889 05055 4

Rolls Bridge Clip/Jumper Wire explanation



Rolls utilizes a way of switching phantom power ON and OFF thru a three pin jumper wire that is attached to the unit and a external bridge clip to act as a switch for switching between two preset unit options. For example on other Rolls units it might be for switching between phantom power on/off as illustrated above or it may be used for switching between ground/lift or other options as denoted on the silk screening of the unit.

- To switch between options the Bridge clip can be moved from one option/side to the other just like a switch.
- To do this simply grab the bridge clip with a pair of needle nose pliers or tweezers and pull outward from the unit disconnecting it from the pins of the unit completely.
- The middle pin is utilized in either position. In the above illustration (OFF) the middle pin is connected to the left side pin with the bridge clip to have the phantom power OFF.
- To have the phantom power (ON) connect the middle pin and right pin together with the bridge clip as in the illustration below.

Please note that you must follow the silk screening of the unit to know what the jumper wire does and to which side is on or off. All of our units are different, but great care is taken to insure that the silk screening is correct.

We use the bridge clip/jumper wire combination in place of switches due to there reliability. Switches break. Our system has been in use for many years and we have never seen a single unit back with broken pins. We have seen many of our other units back for repair for a simple broken switch.

We have found that customers like products better that do not break down in the field, and that they also do not like being with out products that have to be sent back for repair. Knowing these facts we are committed to using this system in the future.

