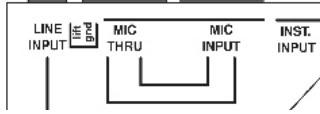


• Remote Powering the PM351
 A very useful feature of the PM351 is the ability to send the 12VDC power to the unit via the LINE INPUT ring connection. Make sure the Mono/Stereo jumper is in the MONO position. Connect the 12VDC to the Ring of the TRS plug as shown here.

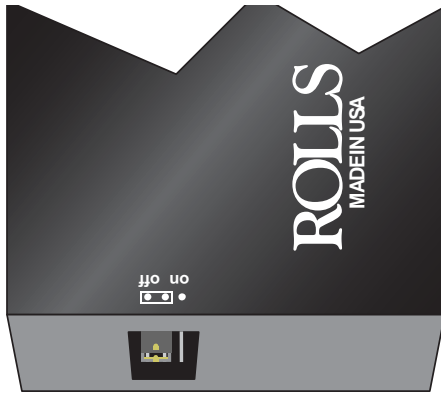
ROLLS WILL NOT BE HELD RESPONSIBLE FOR DAMAGE DONE TO THE PM350 AS A RESULT OF IMPROPER USE OF THIS FEATURE. IF YOU ARE NOT SURE HOW TO DO THIS CORRECTLY, CONTACT A QUALIFIED SERVICE TECHNICIAN.



NOTE: This unit cannot be powered by standard 48 Volt Phantom Power supplied by mixers, phantom power adapters etc. The current (amperes) is insufficient to power the PM351. Also, any voltage greater than 16 VDC will damage the unit.

Rolls bridge clip/Jumper wire explanation

OFF - POSITION



Rolls utilizes a way of switching with a three pin jumper wire system attached to the P.C.B. It uses an external bridge clip to act as a switch for changing between two preset unit options.

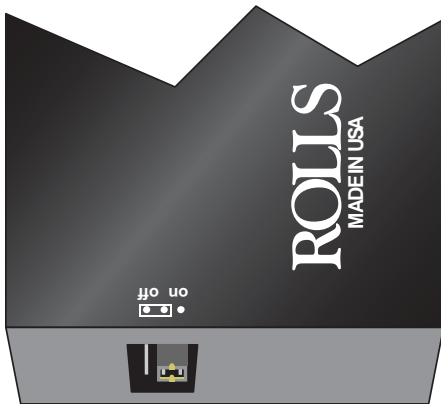
- To switch between options the Bridge clip can be moved from one option/side to the other just like a switch.
- To do this simply grab the bridge clip with a pair of needle nose pliers or tweezers and pull outward from the unit disconnecting it from the pins of the unit completely.
- The middle pin 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 unit OFF.
- To select the (ON) position 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.

PM351 Monitor Station



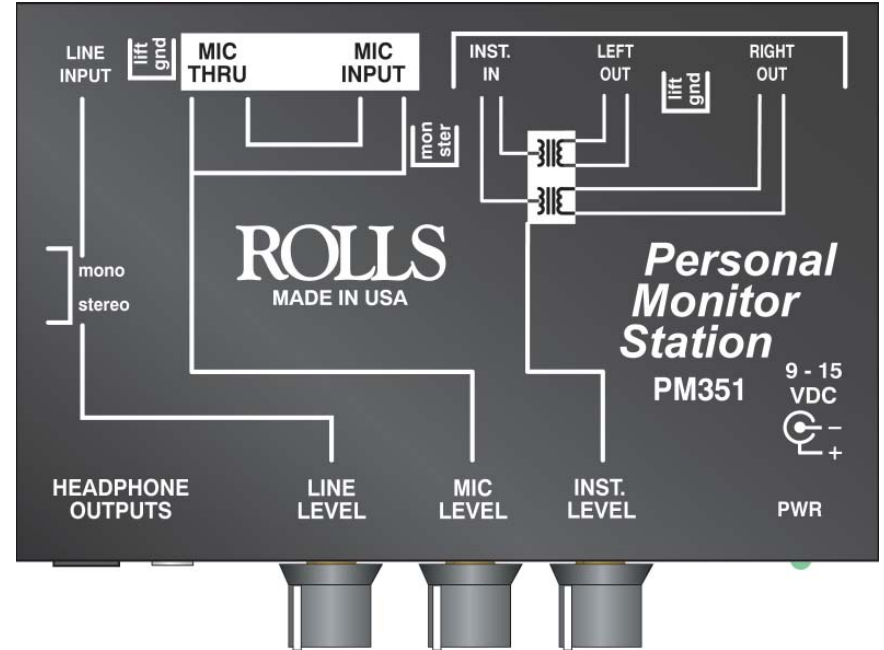
ON - POSITION



ROLLS
02/09

ROLLS

PM351 Personal Monitor Station



SPECIFICATIONS

Max Input Level:	-20 dB XLR, +40 dB Line, +15 dB Instrument
Inst. Input Impedance:	50K ohms
Inst. Output Freq. Response:	10 - 30 kHz +/- 3 dB
Output Impedance, Hdphn:	10 ohms
Output Impedance, Inst.:	2 ea; 100 ohms balanced
Gain:	20 dB 1/4", 50 dB XLR
Hdphn Freq. Response:	20 - 20 kHz
S/N Ratio:	90 dB
Power:	9 - 16 VDC
Size (W x H x D):	4.5" x 3.3" x 1.5"
Weight:	1 lb (.45 Kg)

Owners Manual

INTRODUCTION

Thank you for your purchase of the PM351 Personal Monitor Station. The PM351 is designed for performers who want to monitor their own sounds, such as their vocals and instruments, with the main mix via headphones or earphones. It's very popular with drummers who need to mix a click track with a monitor signal. Church choir singers love the PM351 to monitor their voices over the musicians.

The PM351 is shipped with an external AC adapter.

INSPECTION

1. Unpack and inspect the PM351 box and package. If obvious physical damage is noticed, contact the carrier immediately to make a damage claim. We suggest saving the shipping carton and packing materials for safely transporting the unit in the future.
2. Please complete the Warranty Registration Card and return it to the factory.

DESCRIPTION

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

ground lift: Header jumper for disconnecting chassis ground from pin 1 of the Mic Input and Mic Thru.

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

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

INSTRUMENT INPUT: 1/4" TRS stereo jack for connection to an instrument or line level signal such as a guitar processor, keyboard, or instrument preamp output.

MONO/STEREO JUMPER: Selects whether the INST. INPUT jack is mono or stereo.

LEFT/RIGHT OUTPUTS: Transformer balanced XLR outputs from the Instrument Input.

ground lift: Header jumper for disconnecting chassis ground from the 1/4" TRS instrument output jacks.

MONO/STEREO JUMPER (Located below the LINE INPUT): Selects whether the LINE INPUT jack is mono or stereo. NOTE: When in MONO mode, the ring of the jack may be used to "phantom power" the PM350. See the OPERATION section for details.

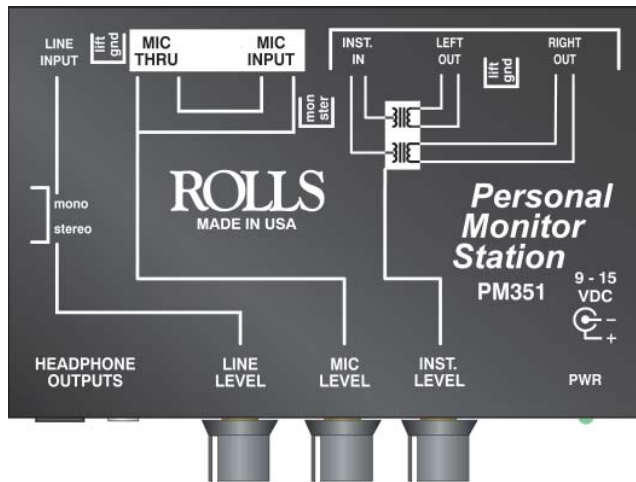
DC IN 9 - 15 VDC: For connection to the external Rolls PS27 power adapter.

HEADPHONE OUTPUTS: 1/4" Stereo jack, and 1/8" stereo jack for connection to stereo headphones or earphones.

LINE LEVEL: Adjusts the level of signal from the LINE INPUT to the headphone mix.

MIC LEVEL: Adjusts the level of signal from the MIC INPUT to the headphone mix.

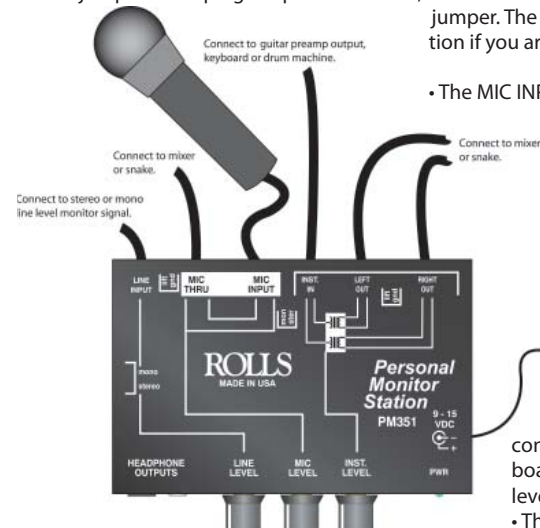
INST. LEVEL: Adjusts the level of signal from the INST. INPUT to the headphone mix.



CONNECTION

The diagram below shows an example of how to connect the PM351 for proper operation.

• The LINE INPUT connects to either a 1/4" stereo or mono plug. If this plug is Tip-Ring-Sleeve stereo and you're sending a stereo signal to this jack, select the STEREO setting of the Mono/Stereo jumper. If the plug is Tip-Sleeve mono, select the MONO setting of the Mono/Stereo jumper. The MONO setting is also the proper selection if you are phantom powering the PM351.



• The MIC INPUT connects to either a dynamic or condenser microphone via a standard XLR cable. If you are using a condenser type mic, you will need to power it via phantom power from the mixer which connects to the MIC THRU jack. This jack will pass the phantom power from a mixer on to the microphone.

• Connect the MIC THRU jack to the mixer or snake as necessary.

• The INSTRUMENT INPUT connects to a guitar preamp output, keyboard, or any stereo or mono instrument level signal. Again, select stereo or mono.

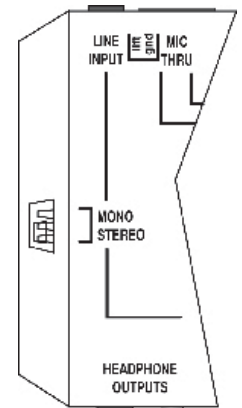
• The INSTRUMENT OUTPUTs are transformer isolated and converts the high impedance INSTRUMENT INPUT signal to low impedance so it can be sent down a balanced line. These signals may then be plugged into an XLR input on a mixer or snake. Note that the level of this signal may be too high for a mixer's microphone input - you may experience distortion. In this event, turn down the instrument connected to the PM351 INSTRUMENT INPUT, pad the input to the mixer's mic input, or trim down the mic input. Connect your headphones or earphones to the proper Headphone Output.

OPERATION

Make sure the enclosed Rolls PS27 12VDC power supply is connected to an active AC outlet, and all audio connections are in place.

• Setting the Mono/Stereo jumpers; If the input to the LINE INPUT or INSTRUMENT INPUT is a Tip-Ring-Sleeve stereo signal, set the Mono/Stereo jumper for stereo operation as shown here.

If the signal to the LINE INPUT or INSTRUMENT INPUT is Tip-Sleeve mono, move the jumper to connect the "mono" pins. NOTE: If the LINE INPUT mono/stereo jumper is missing, only one side of the headphones/earphones will work.



GROUND LIFT

The Mic Input and Mic Thru have a ground lift jumper provided to lift the XLR pin 1 from chassis ground. The XLR Instrument Outputs also have this feature. If you experience a "hum" on the microphone or instrument outputs, lifting the ground may eliminate the problem. To lift the ground, use a pair of needle-nose pliers and carefully remove the header jumper. Replace the jumper on the two pins labeled "lift".