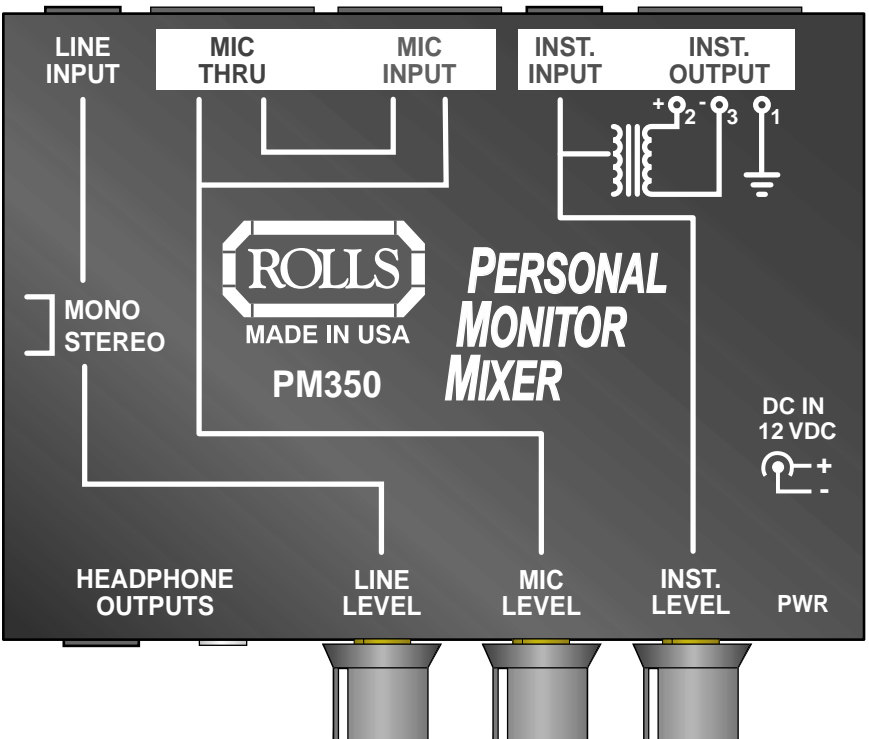


PM350 Personal Monitor Mixer



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.

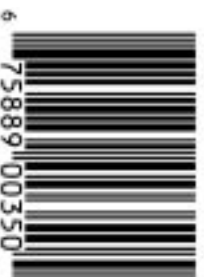
IN NO EVENT SHALL WE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WHATSOEVER. Some states do not allow the exclusion or limitation of special, incidental or consequential damages so the above limitation or exclusion may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

PM350 Personal Monitor Mixer

The PM350 mixes an XLR mic signal, 1/4 unbalanced instrument signal, and a 1/4" TRS stereo monitor signal together for headphone monitoring.

- XLR Mic In & Pass Through
- Stereo or Mono 1/4" Line Input
- "Phantom" powering via the Line In
- Mono 1/4" Instrument In with built-in DI
- Two Headphone Outputs 1/4" and 1/8"
- Lots of output level, it's loud.

PM350 Monitor Mixer



Rolls Corporation
Salt Lake City, UT
6/01

INTRODUCTION

Thank you for your purchase of the PM350 Personal Monitor Mixer. This unit mixes a microphone signal with a 1/4" unbalanced instrument level signal and a 1/4" TRS stereo or mono monitor signal.

The PM350 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 PM350 to monitor their voices over the musicians.

The PM350 is shipped with an external AC adapter.

INSPECTION

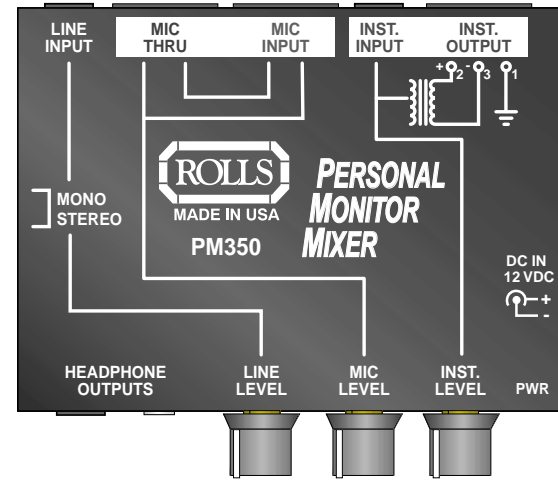
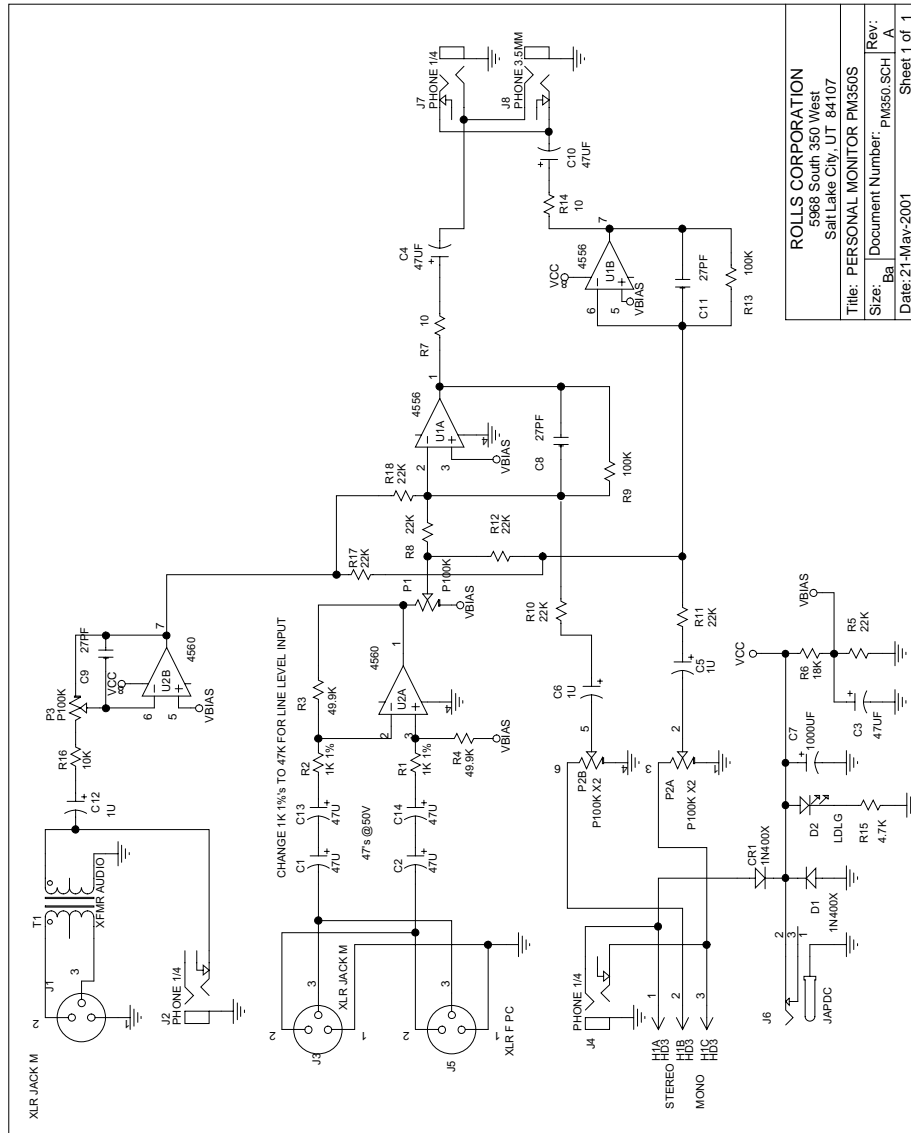
1. Unpack and inspect the PM350 box and package. If obvious physical damage is noticed, contact the carrier immediately to make a damage claim. We suggest saving the shipping carton and packing materials for safely transporting the unit in the future.
2. Please complete the Warranty Registration Card and return it to the factory.

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SPECIFICATIONS

Max Input Level:	-20 dB XLR, 40 dB Line and Instrument
Inst. Input Impedance:	50K ω
Inst. Frequency Response:	50 - 15kHz +/- 3 dB
Output Impedance, Hdphn:	10 Ω
Output Impedance, Inst.:	600 Ω
Gain:	15 dB 1/4", 50 dB XLR
Hdphn Freq. Response:	20 - 20 kHz
S/N Ratio:	90 dB
Power:	9 - 18 VDC
Size (W x H x D):	4.5" x 3.3" x 1.5"
Weight:	1 lb (.45 Kg)



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.

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

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

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

INSTRUMENT OUTPUT: Transformer balanced XLR output of the Instrument Input.

MONO/STEREO JUMPER: 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 12 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 PM350 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 PM350.

- 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.

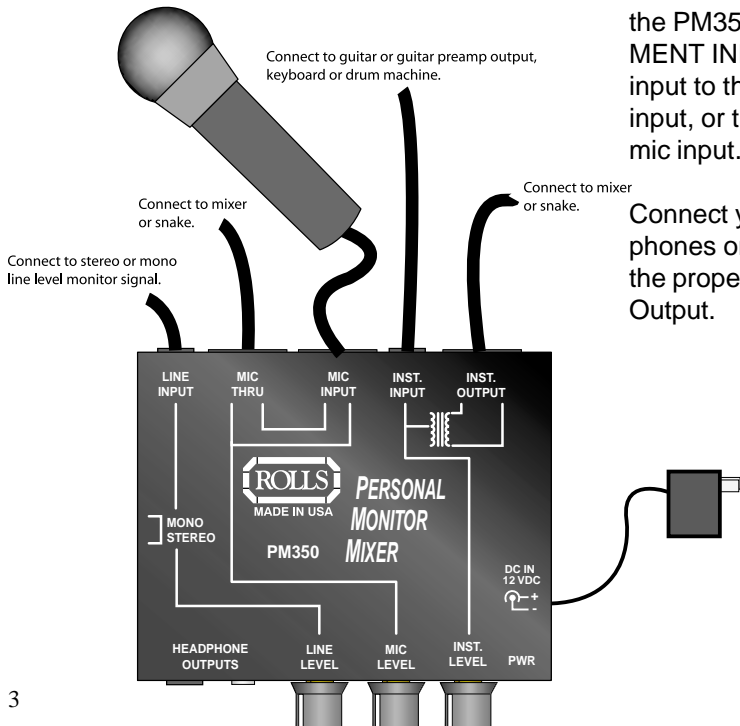
- Connect the MIC THRU jack to the mixer or snake as necessary.

- The INSTRUMENT INPUT connects to a guitar, guitar preamp output, keyboard, or any unbalanced instrument level signal.

- The INSTRUMENT OUTPUT is transformer isolated and converts the high impedance INSTRUMENT INPUT signal to low impedance so it can be sent down a balanced line. This is then 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 PM350 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.

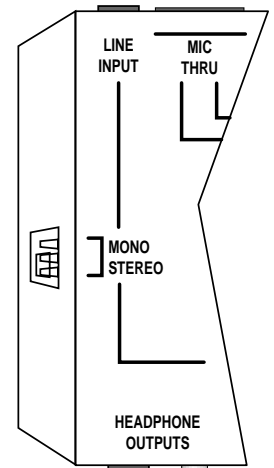


OPERATION

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

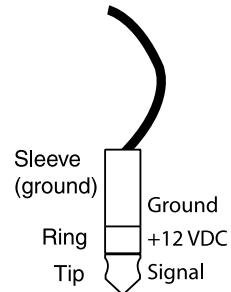
- Setting the Mono/Stereo jumper; If the input to the LINE INPUT is a Tip-Ring-Sleeve stereo signal, set the Mono/Stereo jumper for stereo operation as shown here. This is the way the unit comes from the factory.

If the signal to the LINE INPUT is Tip-Sleeve mono, move the jumper up to connect the upper two pins. NOTE: If this jumper is missing, only one side of the headphones/earphones will work.



- Phantom Powering the PM350

A very useful feature of the PM350 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.

