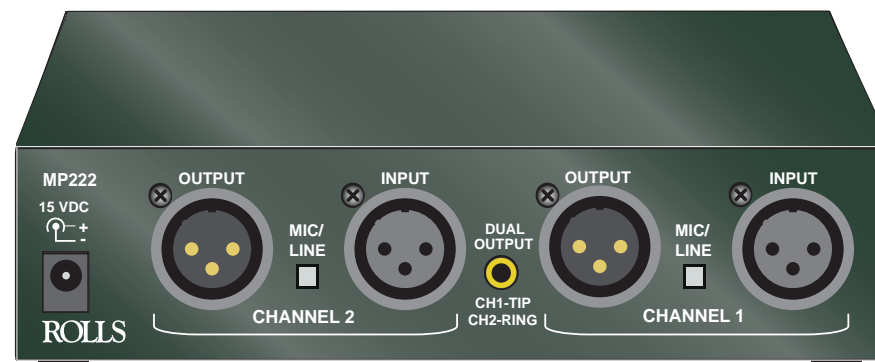
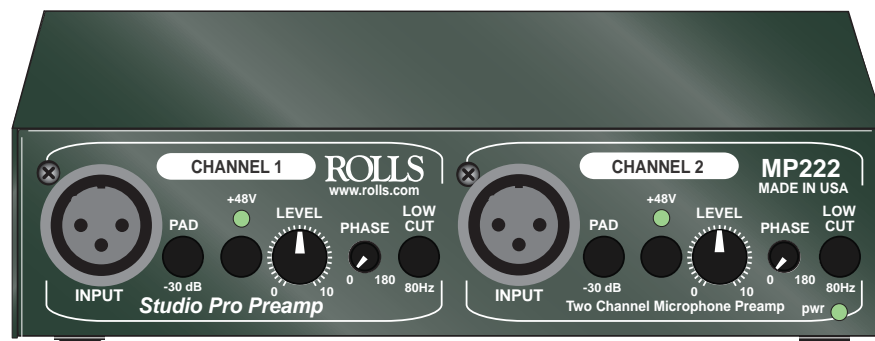


For warranty registration please visit the rolls web site at [www.rolls.com](http://www.rolls.com).

# ROLLS

## MP222 Studio Pro Preamp



Thank you for purchasing the new MP222 Studio Pro Preamp - two channel microphone preamp. Although having many possible uses, this microphone preamp was designed for studio applications. It has a transformer balanced mic input section, and many variable options for getting your mic to sound just as you want it to when recording. It is great if you are just looking for studio quality mic processing, or any application where a high quality mic preamp is needed.

Please review this manual carefully as it contains important information regarding the proper use of this product.

### INSPECTION

#### 1. Unpack and Inspect the MP222 package.

Your MP222 was carefully packed at the factory in a protective carton. Nonetheless, be sure to examine the unit and the carton for any signs of damage that may have occurred during shipping. 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 visit our web site at [www.rolls.com](http://www.rolls.com), click on the Register Your Warranty Here text and follow the instructions to register your MP222.

## Disclaimer:

This Quick start guide assumes that the user has a basic knowledge of audio connections. It also assumes that the user has had some experience with recording or high-end preamps.

Training and operation is the dealers responsibility. At Rolls we do not sell directly to customers. We have factory authorized dealers and it is the dealers responsibility to gather your equipment list and recommend proper products to the consumer. Do not call the Rolls factory and expect help with your setup. We rely on our dealers to do such work. There is only so much that can be done over the phone so PLEASE CONTACT YOUR LOCAL DEALER WITH QUESTIONS. If you have purchased you item online or used, you are on your own. WE HIGHLY RECOMMEND THAT IF YOU ARE NOT FAMILIAR WITH SUCH PRODUCTS TO PLEASE BUY THEM FROM A REPUTABLE FACTORY AUTHORIZED DEALER THAT OFFERS CUSTOMER SUPPORT..

Input Impedance: mic - 600 Ohms or greater XLR

Output Impedance: 50 Ohms

THD + Noise: .02%

S/N Ratio: 110 dB

Frequency Response: 20 Hz - 30 kHz (+0 / -1 dB)

Max Output Level: +14 dB

Max Input Level: +20 dB

Max Gain: +70 dB

Current Draw: 30 mA

Phantom Power: +48 VDC

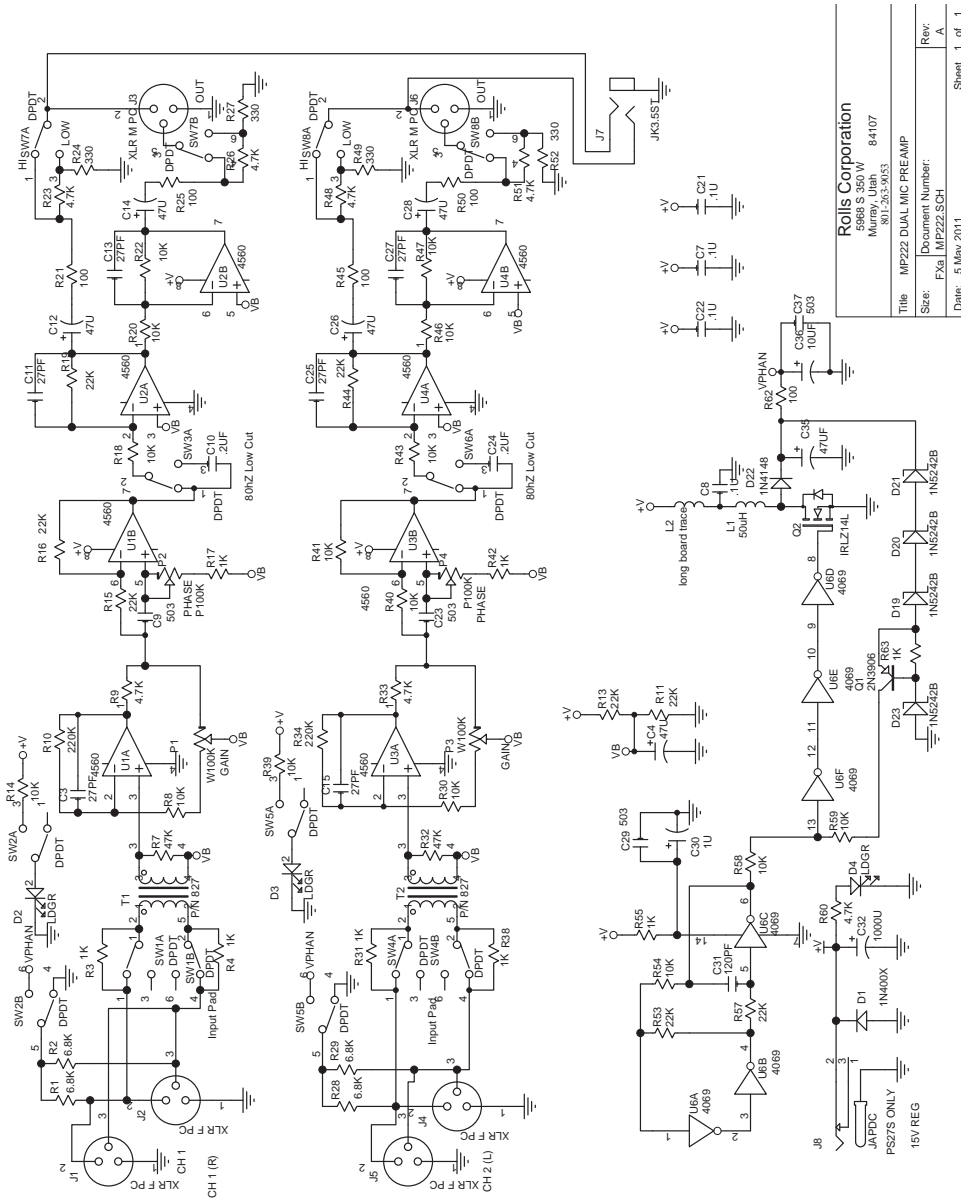
Input Connectors: 4 Female XLR

DC Power Jack: (5.5 X 2.1 mm tip negative)

Output connectors: 1/8" (3.5mm) stereo out. 2 Male XLR

Size: 6.75"w x 5.125"d x 1.75" h

Weight: 1.75 lbs.



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 Title: MP222 DUAL MIC PREAMP  
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 FXA, MP222.SCH  
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 Rev: A  
 Sheet 1 of 1

FRONT PANEL



FRONT PANEL DESCRIPTION

Note: Channel One descriptions are identical to Channel Two

**INPUT:**  
 Standard XLR type balanced input, pin 2 is hot, for Microphones.

**-30 dB Pad:**  
 This switch changes the level of the input. When in, it attenuates the input level down by -30 dB.

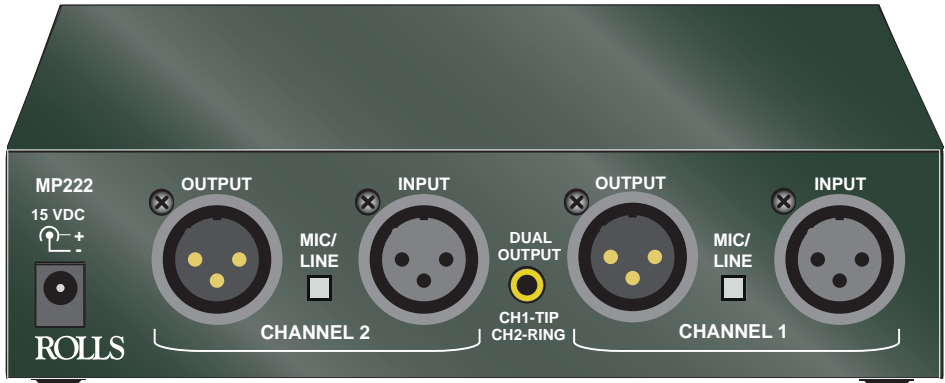
**PHANTOM POWER +48V:**  
 Turns on the internal 48 volt power supply when using phantom powered microphones. It should be turned off when not in use. The Phantom Power switch is a great way to turn off or mute a condenser mic. If you are recording and want to turn your mic off this is the best way to mute it for either short or long periods of time.

**LEVEL:**  
 Sets the output level as desired, for best signal to noise ratio it should be set in the middle to start.

**PHASE:**  
 This is a variable setting from 0 or "in phase" to 180 degrees out of phase and everything in between by adjusting the level of the knob.

**LOW CUT:**  
 This is a high pass filter that when depressed cuts the low end of the signal at 80Hz.

REAR PANEL



**INPUTS:** 1 - 2: XLR balanced inputs for connection to any standard dynamic or condenser microphone. The input circuitry has a very wide input range and can accommodate almost any (mic to line) level signal if you select the proper setting for the Mic/Line switch.

**OUTPUTS:** 1 - 2: XLR balanced outputs. The output circuitry has a very wide range and can accommodate most mic XLR inputs. If you select the proper setting for the -30 dB switch on the front of the MP222.

**MIC/LINE SWITCH:** This is for setting up the output XLR's for either Mic or Line level. The mic/line switch will effect the XLR and DUAL OUTPUT levels.  
**IN=LINE OUT=MIC**

**DUAL OUTPUT:** Tip-Ring-Sleeve stereo 1/8" (3.5mm) jack for connection to a computer or other stereo type inputs. The tip of the jack is connected to channel 1 and the ring is connected to channel 2. This will make channel 1 effectively the left output and channel 2 the right output going into a stereo application.

**15 VDC JACK:** For connection to the Rolls PS27s 15VDC power supply.

Connect microphones to the MP222 via balanced XLR cables.

Make sure that you are using the proper Mic/Line switch setting. If the output level of the MP222 seems very low or very loud it might be that you are using the wrong mic/line switch setting. If you are using a Mic output level the mic/line switch on the back of the MP222 is set to the Mic setting, and if you are using a Line level output signal that the switch is in the line setting. The mic/line switch will effect the XLR and DUAL OUTPUT levels.

**IN=LINE OUT=MIC**

Make sure that the input PAD switch is in the proper setting. Start with the PAD switch in the outward position (OFF) for most Microphone applications, and adjust it as needed. See "FRONT PANEL" section of this manual for more info on the PAD switch. Improper PAD switch setting will make the unit seem very low in overall volume (-30 dB to be exact). Make sure if you are using a Mic that the PAD switch on the front of the MP222 is set to the outward position (OFF), and if you are using a Line level input signal that the switch is in the inward -30 dB setting (ON).

If you are using the DUAL OUTPUT connect it to the Input of your recording device that also uses a stereo 1/8" (3.5mm) Tip-Ring-Sleeve plug. Follow the silk screening on the back of the of the unit. The tip is connected to channel 1 and the ring is connected to channel 2. This will make channel 1 effectively the left output and channel 2 the right output going into a stereo application.

Connect the Rolls PS27s power supply. Once your MP222 is properly connected, the pwr LED on the front panel will light.

If you are using condenser type microphones, apply the phantom power to the desired channels. Test the microphone levels by speaking into the microphones at a normal operating volume, and adjust the Mic Level controls until you achieve desired levels. Adjust each control to the desired setting.

Adjust the PHASE and LOW CUT as desired. These can be set to any level/com-bination that is desired in both mic or line level. Just do what sounds best to you.

For best results, we recommend recording a couple of test runs to ensure you have proper levels set.