

## DIP SWITCH SETTINGS

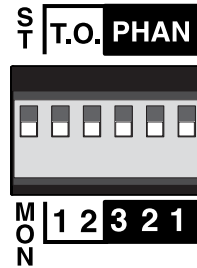
- If a microphone requires phantom power, move the Mic channel's corresponding PHAN DIP switch to the down position. This applies 12 volts DC phantom power to the indicated microphone.

- Talk over switch 1 (T.O. 1), when in the down position, all program material on all source inputs will be "ducked" or muted when a signal is present at Mic 1. NOTE: MIC ONE WILL NOT TALK OVER MIC2 OR MIC3. ONLY THE SOURCE INPUTS WILL BE TALKED OVER. This function is used for paging.

- Talk over switch 2 (T.O. 2), when in the down position, Source 1,2, and 3 will be "ducked" or muted by the signals at Source 4. This function is for jukebox priority. With a jukebox connected to Source input 4, and the Talk over switch 2 on (down), the other Source input signals such as background music, will be muted and only the jukebox will be heard.

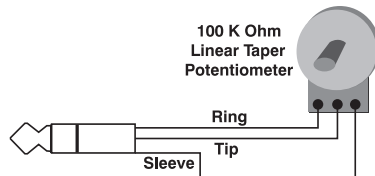
- The Mono/Stereo switch selects the output mode. When the switch is up, the unit is in stereo mode. When the switch is down, the stereo signals are mixed to mono and sent to both the Right and Left Main output jacks. Either jack can be used as a mono output.

**TO #1 - MIC**  
**TO #2 - PRIOTIRY #4**



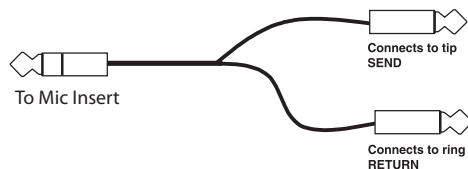
## Remote Volume Control

To control the overall volume of the RM167 in a remote location, wire a 100K ohm Linear Taper potentiometer to a 1/4" Tip-Ring-Sleeve plug as shown here.



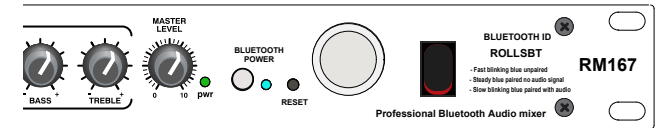
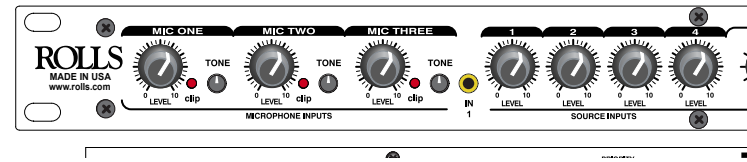
## Mic Insert

To connect a signal processor to the RM167 microphone signal(s), use an insert plug, or cable wired as shown here.



# ROLLS

## RM167 Mic/Source Mixer With Bluetooth



## SPECIFICATIONS

Input Impedance:

Mic: 600 Ohms XLR balanced  
Line: 22K Ohms  
Source: 22K Ohms gold plated RCA  
Mic Insert: 22K Ohms 1/4" TS unbal.  
Mic: -14 dBV Mic level  
+20 dB Line level

Max Input Level:

Source: 24 dBV  
3: XLR, 6: Stereo RCA, 3: 1/4" TRS, 1: 1/4" TS, 1: 3.5mm  
+12 VDC

Connectors:

Phantom Power:

Output Level:

Output Impedance:

Max Gain:

+17 dBV max

51 Ohms

Mic: 60 dB

Source: 26 dB

Tone Controls:

+/-12 dB 100 Hz Bass

+/-12 dB 11kHz Treble

Noise Floor:

-80 dB, THD: <.025%, S/N Ratio: 96 dB

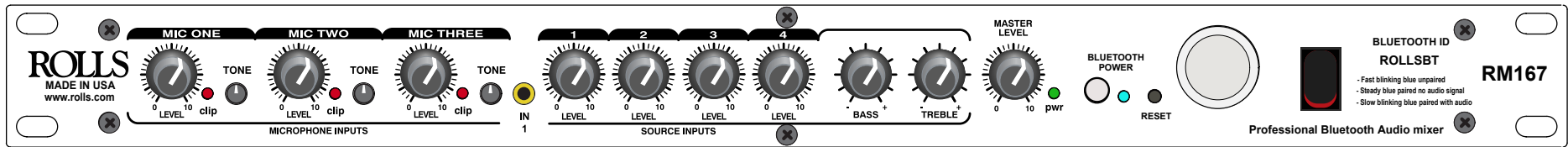
Size:

19" x 1.75" x 6" (48.3 x 4.5 x 15 cm)

Weight:

5 lbs. (2.3 kg)

NOTE: THIS GUIDE ASSUMES THE USER HAS A WORKING KNOWLEDGE OF AUDIO ELECTRONICS, BALANCED AND UNBALANCED CONNECTIONS, AND PROPER SIGNAL LEVEL SETTING.



Mic 1 - 3: Adjust the level of signal from the corresponding Mic Input.

Clip 1 - 3: LED indicating overload in the channel. The LED lights 3 dB below clipping.

TONE 1 - 3: Adjusts the frequency content of the signal in the channel. When the control is turned counter-clockwise, the high frequencies are cut, when the control is turned clockwise, the low frequencies are cut.

IN 1: 3.5mm Input jack - resistor mixed to Source Input 1.

Source 1 - 4: Adjust the volume of input from the RCA Source Inputs, and the 3.5mm in.

Bass: Adjusts the low frequencies of the Source signals only.

Treble: Adjusts the high frequencies of the Source signals only.

Master Level: Adjusts the overall volume of the RM167 Main Outputs.

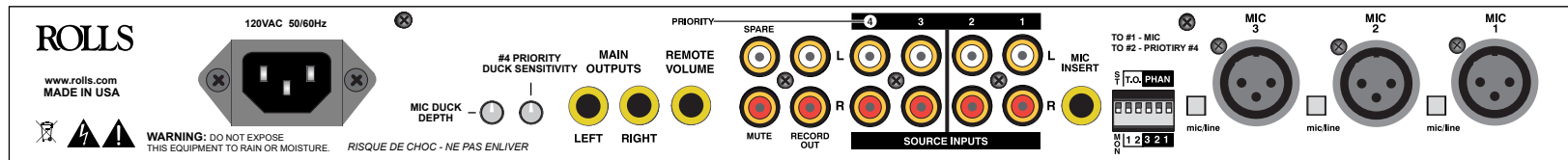
pwr: LED indicating power is applied to the RM167 and the unit is on.

Bluetooth antenna cover and blue status led.

### Bluetooth input section

Bluetooth power indicator and switch are to turn off the Bluetooth section of the RM167. The RM167 mixer section will function as normal when the Bluetooth has been turned off. Bluetooth audio is mixed to Source Input 1 level control.

Reset button for disconnection of a paired device that is no longer on, has disconnected from the RM167 or is out of range. If the previously connected device is still on and in range the RM167 will reconnect with the previously paired device.



Mic 1 - 3: XLR inputs for dynamic or condenser microphones, or balanced line-level signals.

Mic/Line Switch: Pads the XLR Mic input by 30 dB when pressed in.

DIP SWITCH: Contains the small switches for engaging Mic 1 - 3 phantom power, the priority (Talk Over) functions, and the Mono/Stereo select.

MIC INSERT: 1/4" TRS insert jack for adding external processing to the Mic signals. Tip = send, ring = return.

SOURCE INPUTS: Stereo RCA jacks, Channels 1 - 4, for connection to stereo sources such as AM/FM tuners, cassette players, CD players, or video players.

RECORD OUT: Stereo RCA jacks, contains all mixed signals before the Remote Volume jack, and Master Level control.

SPARE: This RCA jack is not connected.

MUTE: RCA jack for connection to a tip-to-ground muting circuit. To mute all audio, connect the tip to ground.

REMOTE VOLUME: 1/4" TS jack for connection to a remote potentiometer for master volume control. 100K Ohm audio taper potentiometer is recommended.

MAIN OUTPUTS: 1/4" TRS balanced Right and Left Outputs.

MIC DUCK DEPTH: Adjusts the level of input signal required for ducking to occur. NOTE: The release time is effected by this setting, plus the level of input signal - the higher the input signal, the longer the release time.

PRIORITY #4 DUCK SENSITIVITY: Adjusts the level of input signal required for ducking to occur. NOTE: The release time is effected by this setting, plus the level of input signal - the higher the input signal, the longer the release time.

IEC POWER INPUT: Connect to the IEC power cable - and properly grounded AC outlet.