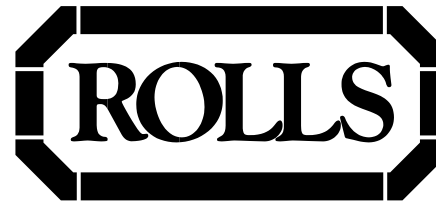


SPECIFICATIONS

Input Impedance: Mic:	XLR:	600 ω balanced
	1/4":	50K ω unbalanced
	Bus Input:	10K ω unbalanced
Max Input Level: Mic:		-15 dBV balanced
	Line:	+22 dBV
Input Connectors:		8: XLR, 8: 1/4" (Line), 1: RCA (Bus input)
Outputs:		1/4" bal. TRS Main, RCA unbalanced Prefade out
Max Gain:	Mic:	55 dB
	Line:	26 dB
Tone Control:		20 dB Treble/Bass cut
Phantom Power:		+12 VDC
Output Level:		+17 dBV max
Output Impedance:		51 ω
Phase Shift:		<10 degrees, 20Hz to 20 kHz
Max S/N ratio:		106 dB
THD:		<.003%
CMRR:		>52 dB (Mic)
Size:		19" x 1.75" x 6"
		(48.3 x 4.5 x 15 cm)
Weight:		7 lbs. (3 kg)



RM81 MIXMAX

Eight Channel Audio Mixer

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.

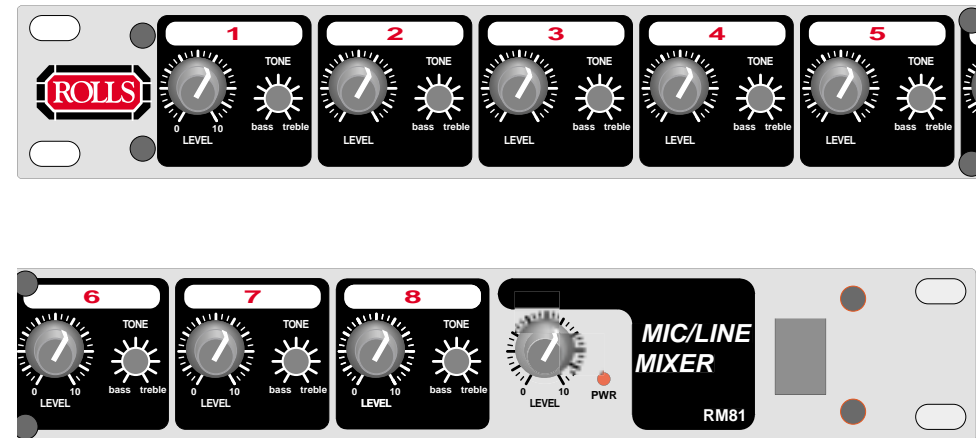
This warranty shall be invalid if the product is damaged as a result of defacement, misuse, abuse, neglect, accident, destruction or alteration of the serial number, improper electrical voltages or currents, repair, alteration or maintenance by any person or party other than our own service facility 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.



ROLLS CORPORATION
SALT LAKE CITY, UTAH
5/02



OWNERS MANUAL

INTRODUCTION

Thank you for your purchase of the Rolls RM81 MIXMAX eight channel audio mixer. The RM81 is a microphone and line mixer in a single 19" rack space. It is intended for sound reinforcement or studio applications where several microphones or line sources need to be combined to a single output. Please review this manual for proper operation.

FEATURES:

- 8 XLR Mic inputs
- Individual phantom power switches for each channel
- 8 1/4" unbalanced line inputs which may be internally jumpered to be line outputs.
- Wide-range tone controls for each channel
- RCA Aux/Bus input and pre-master output for cascading units or recording

INSPECTION

1. Unpack and inspect the RM81 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.

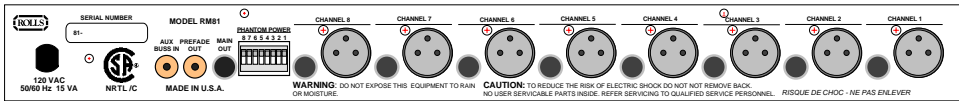
DESCRIPTION

FRONT PANEL



Each channel has an input VOLUME control to adjust the input level to that channel, a TONE control which cuts the signal up to 15 dB, below 200 Hz or above 6 kHz. The MASTER VOLUME control adjusts the overall output level.

REAR PANEL



Aux/Bus Input: RCA jack which connects directly to the RM81 mix bus. The jack may be connected to another RM81 Pre-Fade Output - making this unit the "Master".

Pre-Fade Output: RCA jack for connection to another RM81 Aux/Bus Input, making this unit the "Slave".

Main Output: 1/4" TRS balanced jack containing the RM81 overall output signal.

Phantom Power Switches: 8 individual DIP switches for applying 12 Volts of phantom power to the indicated channel. The phantom power is for powering condenser microphones.

Channel Inputs 1 - 8: 1/4" TS unbalanced, or XLR balanced input jacks.

CONFIGURING THE 1/4" INPUT JACKS AS DIRECT OUTS

The eight 1/4" jacks come from the factory as line inputs and are electrically mixed with the XLR jacks. They may be used together if desired. To configure a channel's 1/4" jack as a Direct Out, first remove the RM81 lid. For each channel there is a three-pin header with a shorting jumper on two pins. The setting is on "IN". By moving the shorting jumper to the other side labeled "OUT", the jack then becomes a Direct Output.

SCHEMATIC

