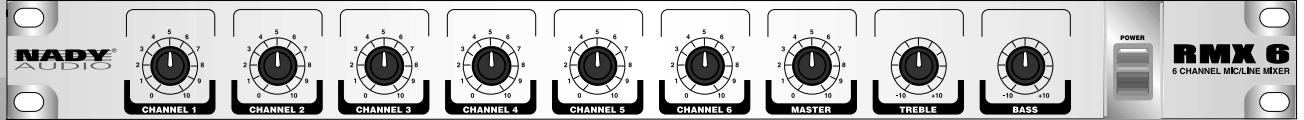


# NADY<sup>®</sup> AUDIO

## OWNER'S MANUAL



BACKMIXER

# RMX 6

## 6-CHANNEL MIC/LINE RACK MIXER

# RMX 6

## 6-Channel Mic/Line Rack Mixer



Congratulations on your choice of rack mixer — you have purchased one of the finest rack mixers on the market today. This unit was developed using the expertise of professional sound engineers and working musicians. You will find that your new NADY AUDIO RMX 6 has superior performance and greater flexibility than any other rack mixers in its price range. Please read this manual carefully to get the most out of your new unit.

Thanks for selecting NADY AUDIO as your choice in rack mixer.

### FEATURES

A compact, versatile rack mixer, the RMX-6 is ideal for small PA installations, keyboard mixing and many other applications.

- 6-channel mic/line mixer in a single rack space (1U)
- Balanced XLR mic and 1/4" TRS Line inputs—each channel
- Master volume and bass, treble controls
- Phantom power (15V) on channels 4-6 mic inputs
- Dual (low and high level) outputs
- Internal shielded power supply, ~115V/60Hz AC powered

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Date of Purchase \_\_\_\_\_

Dealer's Name \_\_\_\_\_

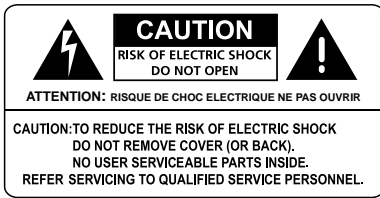
City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Model # \_\_\_\_\_

Serial # \_\_\_\_\_

# WARNING



An equilateral triangle enclosing a lightning flash/arrowhead symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure which may be of sufficient magnitude to constitute a risk of electric shock.



An equilateral triangle enclosing an exclamation point is intended to alert the user to the presence of important operating and service instructions in the literature enclosed with this unit.

## IMPORTANT SAFETY INSTRUCTIONS

When using this electronic device, basic precautions should always be taken, including the following:

1. Read all instructions before using the product.
2. Do not use this product near water (e.g., near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, etc.).
3. This product should be used only with a cart or stand that will keep it level and stable and prevent wobbling.
4. This product, in combination with headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
5. The product should be positioned so that proper ventilation is maintained.
6. The product should be located away from heat sources such as radiators, heat vents, or other devices (including amplifiers) that produce heat.
7. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product. Replace the fuse only with one of the specified type, size, and correct rating.
8. The power supply cord should: (1) be undamaged, (2) never share an outlet or extension cord with other devices so that the outlet's or extension cord's power rating is exceeded, and (3) never be left plugged into the outlet when not being used for a long period of time.
9. Care should be taken so that objects do not fall into, and liquids are not spilled through, the enclosure's openings.
10. The product should be serviced by qualified service personnel if:
  - A. The power supply cord or the plug has been damaged.
  - B. Objects have fallen into, or liquid has been spilled onto the product.
  - C. The product has been exposed to rain.
  - D. The product does not appear to operate normally or exhibits a marked change in performance.
  - E. The product has been dropped, or the enclosure damaged.
11. Do not attempt to service the product beyond what is described in the user maintenance instructions. All other servicing should be referred to qualified service personnel.

# INSTALLATION

To ensure years of enjoyment from your NADY AUDIO RMX 6 please read and understand this manual thoroughly before using the unit.

## **INSPECTION**

Your RMX 6 was carefully packed at the factory in packaging designed to protect the units in shipment. Before installing and using your unit, carefully examine the packaging and all contents for any signs of physical damage that may have occurred in transit.

*(Note: Nady Systems is not responsible for shipping damage. If the unit is damaged, do not return to us, but notify your dealer and the shipping company immediately to make a claim. Such claims must be made by the consignee in a timely manner.)*

## **CONTENTS:**

- Instruction manual
- SDP-20 (verify that the unit's serial number is same as shown on shipping carton)
- AC Power cord
- Warranty Card

## **RACK MOUNTING**

The RMX 6 fits into one standard 19" rack unit of space (1 3/4"). Parts of the unit can become very warm during use. This is normal during operation. Care should be taken to ensure that there is enough space around the unit for cooling (at least 12" or 30cm). Do not place the RMX 6 on high temperature devices such as power amplifiers, etc., or the unit may overheat in operation. Also, do not place the unit on speakers as this may cause them to move and/or fall due to speaker vibrations.

Although the unit's chassis is shielded against radio frequency (RF) and electromagnetic interference (EMI), extremely high fields of RF and EMI should be avoided.

## **POWER CONNECTION**

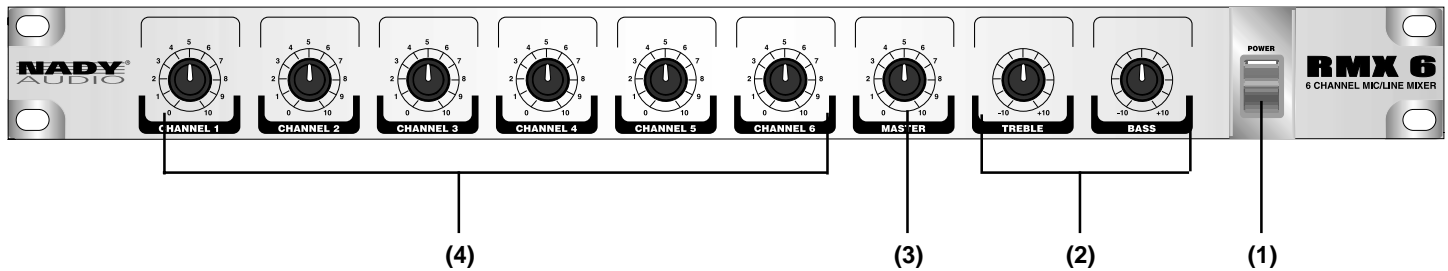
The RMX 6 has an internal power supply and is designed to operate from an external AC source. Power requirements for electrical equipment differ from area to area. Be sure to confirm that the voltage selected by the voltage selector switch on the back panel is proper for your area (120VAC/60 Hz or 230VAC/50Hz) per the information below:

Europe (except UK): 230V, 50Hz  
UK and Australia: 240V, 50Hz  
USA and Canada: 120V, 60 Hz  
For other areas, please check with local authorities.

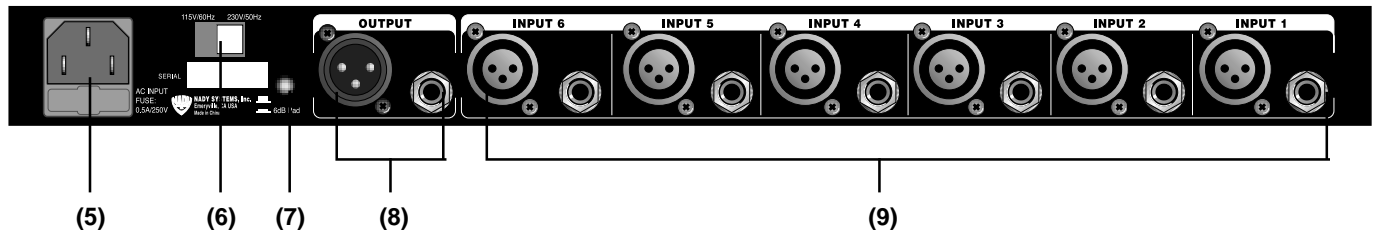
When ready to operate, plug the AC cord into the power source. Make sure that the unit is turned off before connecting to the AC power source to avoid possible loud transients which can damage your speakers or your ears, especially when monitoring with headphones.

# CONTROLS AND CONNECTORS

## FRONT PANEL



## REAR PANEL



### Front Panel

#### (1) POWER SWITCH

Use this switch to power unit ON or OFF. The integrated LED will light when the unit is ON. Before turning on this unit, verify connection to the proper voltage AC source, check all connections and turn down the level controls of equipment connected to the outputs.

#### (2) BASS & TREBLE TONE CONTROLS

Adjust the relative balance of bass and treble

#### (3) MASTER LEVEL CONTROL

Adjusts the master level of the combined individual channel signals

#### (4) CHANNEL GAIN CONTROLS

Adjust the individual (1-6) channel gains

### Rear Panel

#### (5) AC POWER CORD IEC CONNECTOR WITH INTEGRATED FUSE HOLDER

This standard IEC power cord receptacle is used to connect the AC power to your unit. It features a built-in fuse holder for a 5X20mm, 0.5A/250V slow-blow fuse. If the fuse continuously blows, shut off the unit and have it serviced by qualified service personnel.

#### (6) AC VOLTAGE SELECT SWITCH

Before plugging in the power cord, check to see that the unit is set for the proper voltage for your area: ~115V (60Hz) or ~230V (50Hz).

*(Note: Use at the improper voltage can damage your unit and void the warranty.)*

#### (7) HIGH/LOW OUTPUT LEVEL SELECT SWITCH

Selects either high or low output so the level can be optimized for the connected audio equipment (amp, recording device, etc.)

#### (8) MIXER OUTPUTS

Unbalanced 1/4" (6.3mm) and balanced XLR outputs  
*(Note: Only one output (1/4" or XLR) can be used at one time. Do not connect to both at the same time, or the signal will be severely distorted.)*

#### (9) MIXER INPUTS

Unbalanced 1/4"(6.3mm) and balanced XLR inputs for channels 1 through 6.

*(Note: Channels 4, 5 and 6 provide +15V phantom power for condenser mics. These can be safely used with any balanced dynamic mic also; however, do not connect any unbalanced dynamic microphones to the XLR balanced inputs as they may be damaged.)*

*(Note: Only one input per each channel (1/4" or XLR) can be used at one time. Do not connect to both at the same time or the signal will be severely distorted.)*

# SPECIFICATIONS

Frequency Response:	10Hz—20KHz +/-3dB
Total Harmonic Distortion (THD) + Noise:	0.1%
S/N Ratio:	>60dB
<b>Tone Controls</b>	
Bass:	+/-12dB / 100Hz
Treble:	+/-12dB / 10KHz
Inputs:	6 X MIC (level/impedance): Balanced: 3mV 6 X LINE(level/impedance): Unbalanced: 100mV
<b>Outputs (All controls flat)</b>	
High Output:	1.5V
Low Output:	0.5V
Impedance (1/4"):	600 ohms
(XLR):	600 ohms
LED indicator:	Power ON
Fuse Requirements, Type and Size:	T250mA, 5X20mm glass type
Dimensions:	19" x 1.75" x 8" (483 x 44 x 203mm)
Weight:	7.0 lbs.( 3.2 Kg)

*The specifications above are correct at the time of printing of this manual. For improvement purposes, all specifications for this unit, including design and appearance, are subject to change without prior notice.*

# LEGAL INFORMATION

## **NOTICE**

The information in this document is subject to change, as the Company may make changes to product in order to improve reliability, design, or function, without prior written notice. No part of this manual may be reproduced or transmitted in any form or by any means without the written permission of the company.

***IN NO EVENT WILL THE COMPANY BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING DIRECTLY OR INDIRECTLY, SUCH AS LOSS OF PROFIT OR GOOD WILL, THAT MAY BE SUFFERED IN CONNECTION WITH THE PURCHASE OF THIS PRODUCT OR FROM THE BREACH OF ANY REPRESENTATION OR WARRANTY.***

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# NOTES

## **SERVICE FOR YOUR NADY AUDIO PRODUCT**

**(U.S.)** Should your NADY AUDIO product require service, please contact the Nady Service Department via telephone at (510) 652-2411, or e-mail at [service@nady.com](mailto:service@nady.com).

**(International)** For service, please contact the NADY AUDIO distributor in your country through the dealer from whom you purchased this product.

DO NOT ATTEMPT TO SERVICE THIS UNIT  
YOURSELF AS IT CAN BE DANGEROUS AND  
WILL ALSO VOID THE WARRANTY.



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