



RMX 16: Digital Reverberation System

500 Series Module

Installation Guide Issue 1



Health & Safety Notice

**FOR YOUR OWN SAFETY AND FOR THE PROTECTION OF OTHERS
PLEASE OBSERVE THE FOLLOWING HEALTH AND SAFETY INSTRUCTIONS**

- READ THESE INSTRUCTIONS AND KEEP THEM HANDY
- HEED ALL SAFETY WARNINGS
- DO NOT USE NEAR WATER
- CLEAN ONLY WITH A DRY CLOTH
- DO NOT INSTALL NEAR HEAT SOURCES
- DO NOT BLOCK VENTILATION OPENINGS
- USE ONLY ACCESSORIES SPECIFIED BY THE MANUFACTURER
- REFER ALL SERVICING TO QUALIFIED PERSONNEL ONLY
- NO USER SERVICEABLE PARTS INSIDE

**FAILURE TO OBSERVE THESE PROCEDURES AND RECOMMENDATIONS
WILL INVALIDATE THE MANUFACTURER'S WARRANTY**

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As part of our policy of continual product improvement, we reserve the right to alter specifications without notice but with due regard to all current legislation.

Disclaimer: The information in this manual has been carefully checked and is believed to be accurate at the time of publication. However, no responsibility is taken by us for inaccuracies, errors or omissions nor any liability assumed for any loss or damage resulting either directly or indirectly from use of the information contained within it.

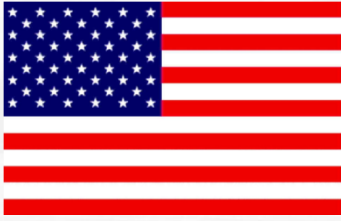
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For full operational instructions, please refer to the RMX 16 User Manual.

Important Safety Instructions



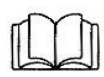
- ▶ **Read these instructions**
- ▶ **Keep these instructions**
- ▶ **Heed all warnings**
- ▶ **Follow all instructions**
- ▶ **Do not use this apparatus near water**
- ▶ **Clean only with a dry cloth**
- ▶ **Do not block any ventilation openings.**
- ▶ **Install in accordance with the manufacturer's instructions.**
- ▶ **Only use attachments / accessories specified by the manufacturer.**
- ▶ **Unplug this apparatus during lightning storms or when unused for long periods of time.**
- ▶ **Refer all servicing to qualified service personnel.**

Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled, or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

Warning Symbols



Please refer to the manual before operating

Environmental considerations

Temperature	Operating	5°C to 30°C (41°F to 86°F)
	Non-operating	-20°C to 50°C (-2°F to 122°F)
	Max Gradient	15°C/Hour (59°F/Hour)
Relative Humidity	Operating	20% to 80%
	Non-operating	5% to 90%
	Max wet bulb	28°C non-condensing (or 57°F non-condensing)
Altitude	Operating	0 to 2,000m
	Non-operating	0 to 12,000m

Cooling

Care must be taken not to place any accessories that could block the ventilation above or below the units external PSU or the Units ventilation system.

Important Safety Instructions

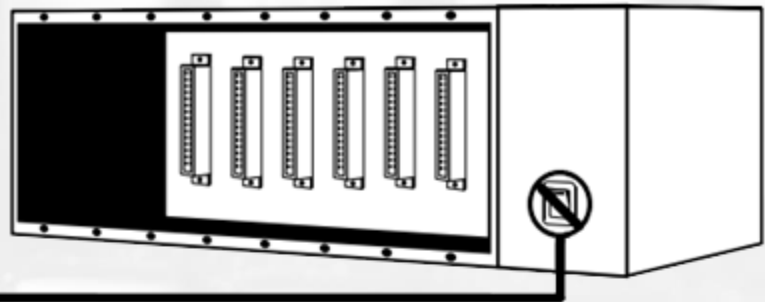


- ▶ **READ THESE INSTRUCTIONS AND KEEP THEM HANDY**
- ▶ **HEED ALL SAFETY WARNINGS**
- ▶ **THE UNIT MUST BE EARTHED WHEN OPERATED**
- ▶ **DO NOT USE NEAR WATER**
- ▶ **CLEAN ONLY WITH A DRY CLOTH**
- ▶ **DO NOT INSTALL NEAR HEAT SOURCES**
- ▶ **DO NOT BLOCK VENTILATION OPENINGS**
- ▶ **THE AMBIENT ROOM TEMPERATURE SHOULD BE NO GREATER THAN 30°C / 86°F**
- ▶ **USE ONLY ACCESSORIES SPECIFIED BY THE MANUFACTURER**
- ▶ **OPTIONAL CARDS (IF SPECIFIED) SHOULD NOT BE INSERTED OR REMOVED WITH THE POWER ON**
- ▶ **REFER ALL SERVICING TO QUALIFIED PERSONNEL ONLY**
- ▶ **NO USER SERVICEABLE PARTS INSIDE**

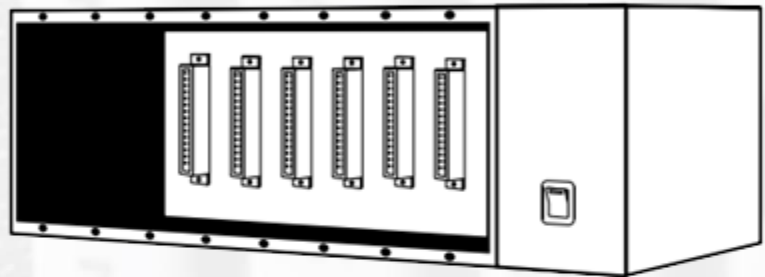
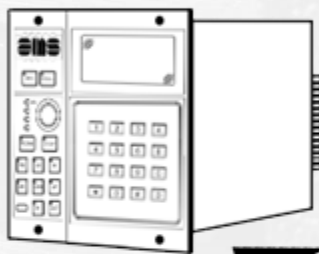
500 Series Installation Diagram

1

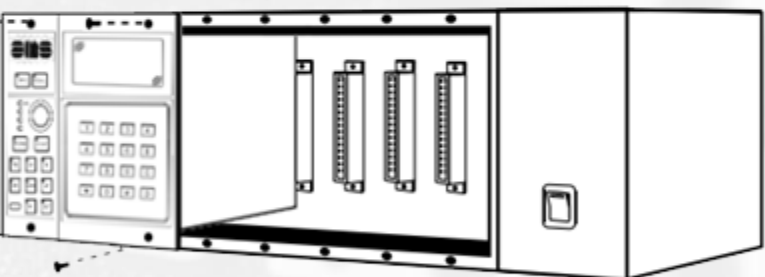
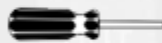
POWER
OFF



2

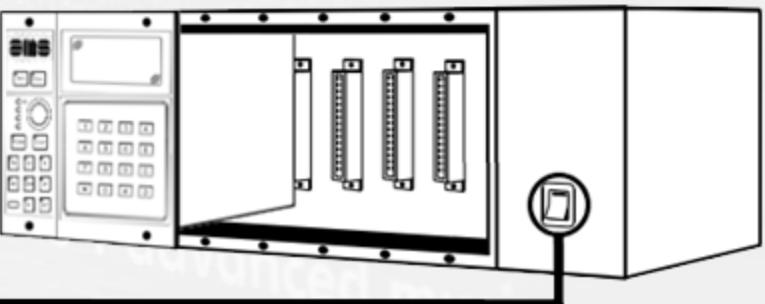


3

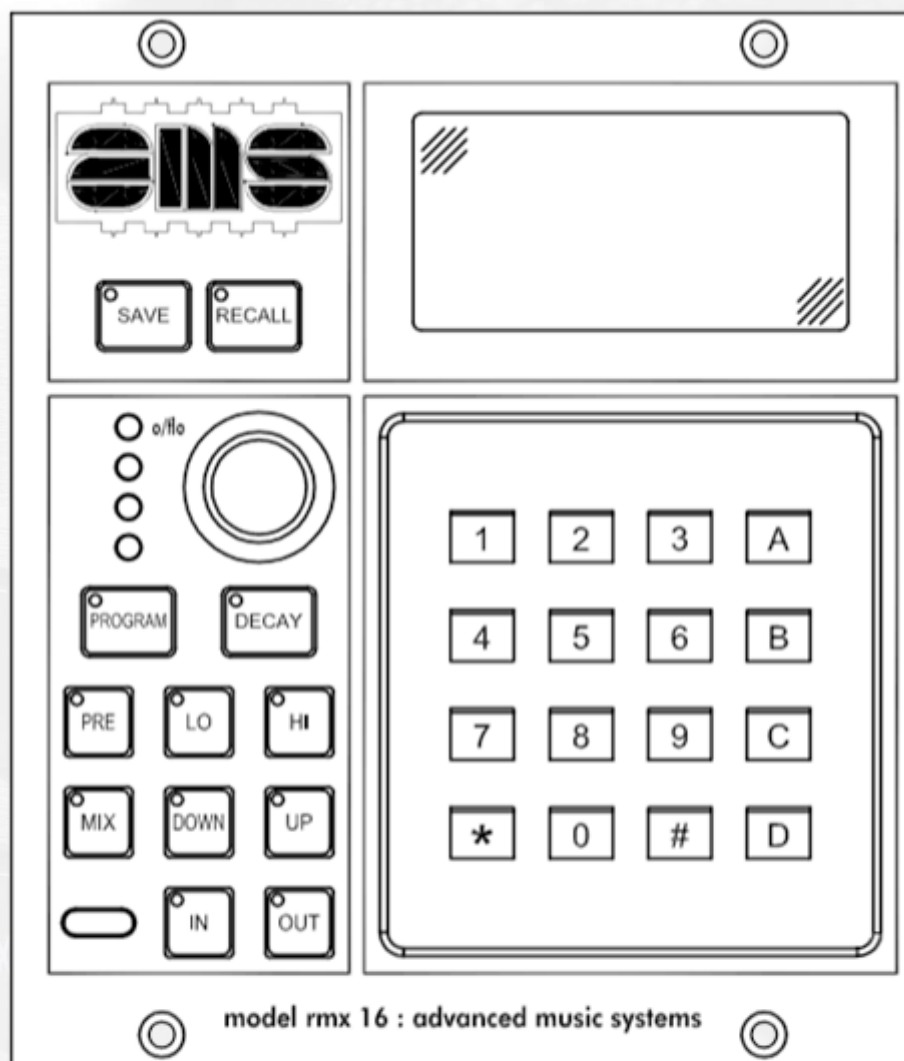


4

POWER
ON

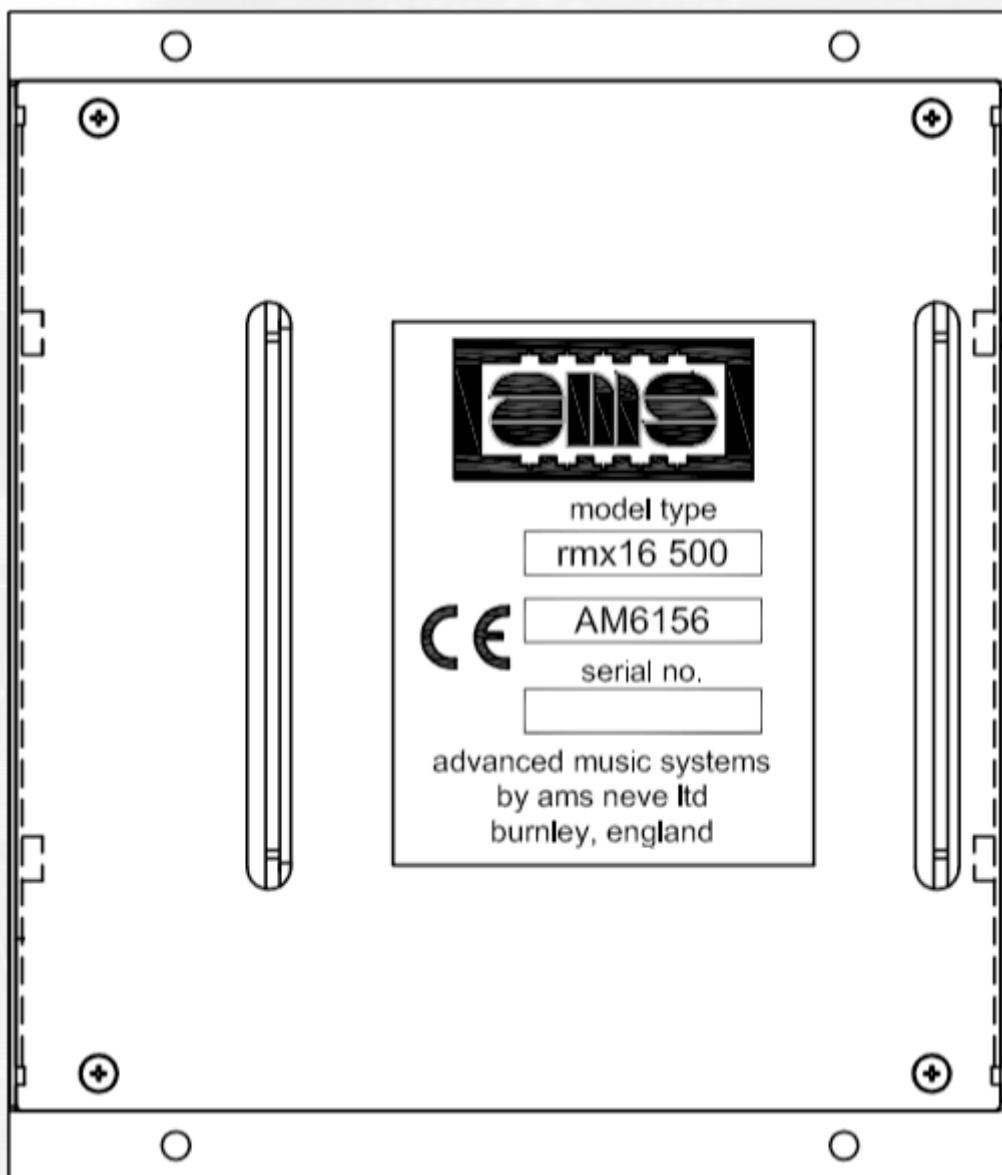


RMX 16 Front Plate

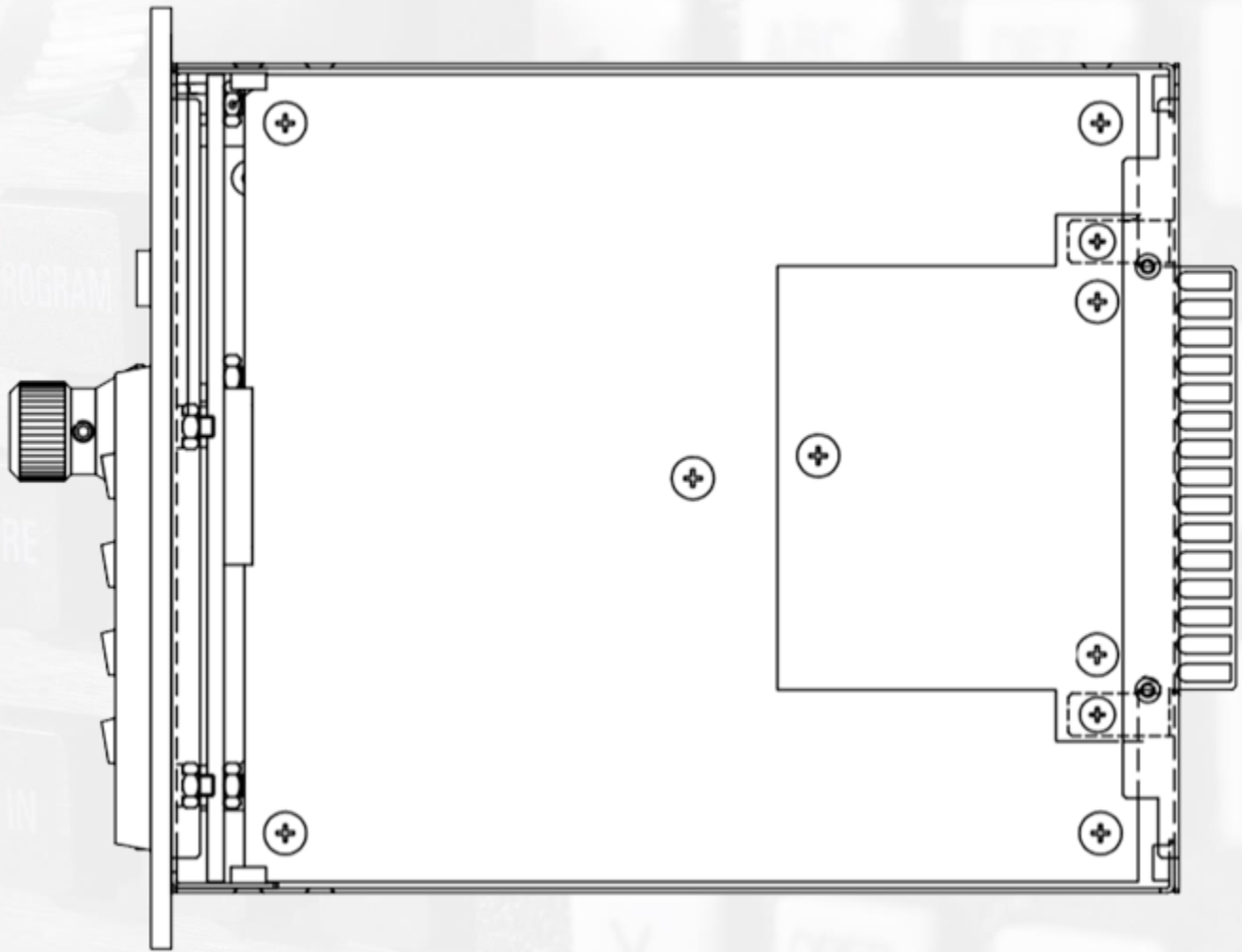


☆ ENSURE THAT FRONT PANEL IS LINED UP WITH CHASSIS

RMX 16 Rear Plate



RMX 16 Side view



model rmx 16 : advanced music systems

Audio Connection

The RMX16 500 series has a single **MONO** input and a **STEREO** output. The unit uses 3u of 500 series rack space with its **MONO** input on the first slot (**Input 1**). The stereo output is on the First and Third slots (**Output 1 and Output 3**). The second slot (**Output 2**) is redundant and is not used to make any audio connections.

Dimensions & Power Requirements

Unit Physical / Technical Information

Height mm (inches)	133.4 (5.25)
Width mm (inches)	114.3 (4.5)
Depth mm (inches)*	145 (5.7)
Weight Kg (lbs)	0.84 (1.85)
Heat Dissipation	<7 watts
Voltage	+/-16V
Current Amps RMS +/-16V	0.2A (MAX)

*excludes clearance for front panel controls and rear connectors

Audio Specification

General Specifications	
Headroom	>+22dBu @ 1kHz (<0.5% THD+N)
Frequency Response	Typically +/- 0.25dB, 20Hz to 18kHz
Distortion (THD+N)	Typically 0.002% @ 1kHz (measured at +20dBu, 10Hz to 20kHz filter)
General Noise	<-75dBu (20Hz to 20kHz filter)
Line Inputs	Input Impedance ≈20KΩ electronically balanced in slot 1
Line Outputs	Output Impedance ≈150Ω electronically balanced: (L) Slot 1 (R) Slot 3

Unit Connection Tables

Data	USB Type C
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Unit 15-Way Pin Outs Slot 1 & 3

PIN	SLOT 1	SLOT 3
1	Chassis Ground	Chassis Ground
2	Left Output +	Right Output +
3	---	---
4	Left Output -	Right Output -
5	---	---
6	---	---
7	---	---
8	Input -	N/C
9	---	---
10	Input +	N/C
11	---	---
12	+16V	+16V
13	PSU Ground	PSU Ground
14	-16V	-16V
15	N/C	N/C