



RMX 16: Digital Reverberation System

500 Series Module

Installation Guide Issue 2



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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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.

Manuel de santé et de sécurité.

**POUR VOTRE PROPRE SÉCURITÉ ET POUR LA PROTECTION DES AUTRES,
VEUILLEZ RESPECTER LES INSTRUCTIONS DE SANTÉ ET DE SÉCURITÉ
SUIVANTES**

- LISEZ CES INSTRUCTIONS E GARDEZ-LES À DISPOSITION
- RESPECTER TOUS LES AVERTISSEMENTS DE SÉCURITÉ
- NE PAS UTILISER À PROXIMITÉ D'UNE SOURCE D'EAU
- NETTOYER UNIQUEMENT AVEC UN TISSU SEC
- NE PAS INSTALLER À PROXIMITÉ D'UNE SOURCE DE CHALEUR
- NE PAS BLOQUER PAS LES OUVERTURES DE VENTILATION
- UTILISER UNIQUEMENT LES ACCESSOIRES SPÉCIFIÉS PAR LE FABRICANT
- CONFIER TOUTES LES OPERATIONS DE MAINTENANCE À DU PERSONNEL QUALIFIÉ UNIQUEMENT
- AUCUNE PIÈCE INTERNE N'EST RÉPARABLE PAR L'UTILISATEUR.

**LE NON-RESPECT DE CES PROCÉDURES ET RECOMMANDATIONS
INVALIDERA LA GARANTIE DU FABRICANT**

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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.

Service 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.

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

WARNING:

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

Consignes de sécurité importantes



- ▶ Lisez attentivement ces instructions
- ▶ Gardez ces instructions
- ▶ Tenez compte de tous les avertissements
- ▶ Suivez toutes les instructions
- ▶ Ne pas utiliser cet appareil près d'une source d'eau
- ▶ Nettoyez uniquement avec un chiffon sec
- ▶ Ne bloquez aucune bouche d'aération.
- ▶ Installez l'appareil conformément aux instructions du fabricant
- ▶ Utilisez uniquement les fixations / accessoires spécifiés par le fabricant.
- ▶ Débranchez cet appareil pendant les orages ou lorsqu'il n'est pas utilisé pendant de longues périodes.
- ▶ Confiez toutes les opérations de maintenance à un technicien qualifié.

Un entretien est nécessaire lorsque l'appareil a été endommagé de quelque manière que ce soit, comme par exemple si le cordon d'alimentation ou la fiche sont endommagés, du liquide a été renversé ou des objets sont tombés dans l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas correctement ou a subi une chute de hauteur.

AVERTISSEMENT:

POUR RÉDUIRE LES RISQUES D'INCENDIE OU DE CHOC ÉLECTRIQUE, N'EXPOSEZ PAS CET APPAREIL À LA PLUIE OU À L'HUMIDITÉ.

Warning Symbols



Please refer to the manual before operating

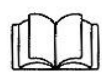
Environmental considerations

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.

Symboles d'avertissement



Please refer to the manual before operating

Considérations environnementales

Température	En fonctionnement	5°C t à 30°C (41°F à 86°F)
	Hors fonctionnement	-20°C à 50°C (-2°F à 122°F)
Courbe maximale d'augmentation de température :		15°C/Heure (59°F/Heure)
Humidité relative	En fonctionnement	20% à 80%
	Hors fonctionnement	5% à 90%
Humidité maximale ampoule		28°C sans condensation (ou 57°F sans-condensation)
Altitude	En fonctionnement	0 à 2,000m
	Hors fonctionnement	0 à 12,000m

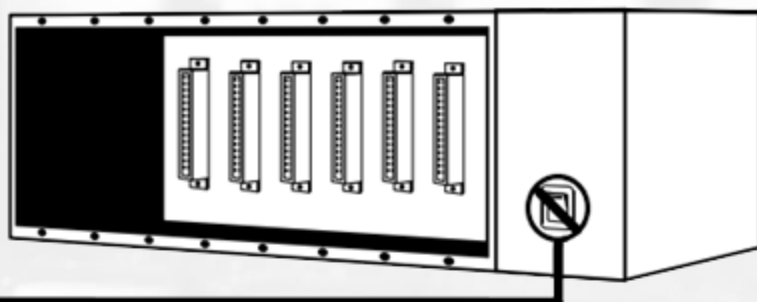
Refroidissement

Certaines précautions doivent être prises pour ne pas placer d'accessoires qui pourraient bloquer la ventilation au-dessus ou en dessous du bloc d'alimentation externe de l'unité, ou de son système de ventilation.

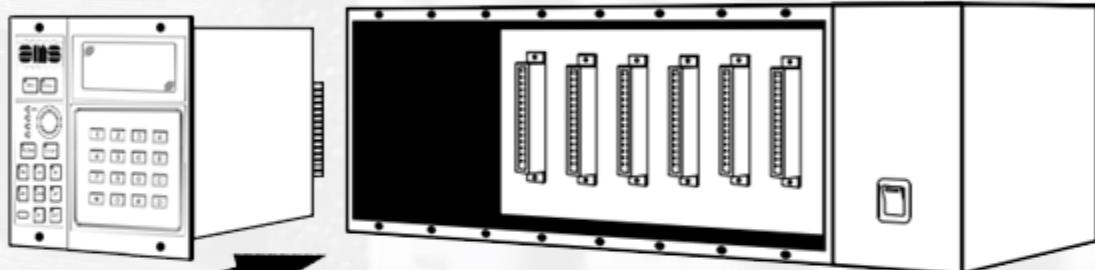
Installation Diagram

1

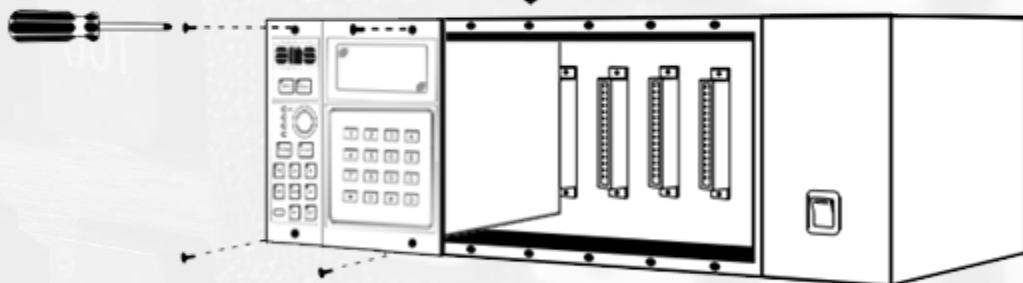
POWER
OFF



2



3



4

POWER
ON

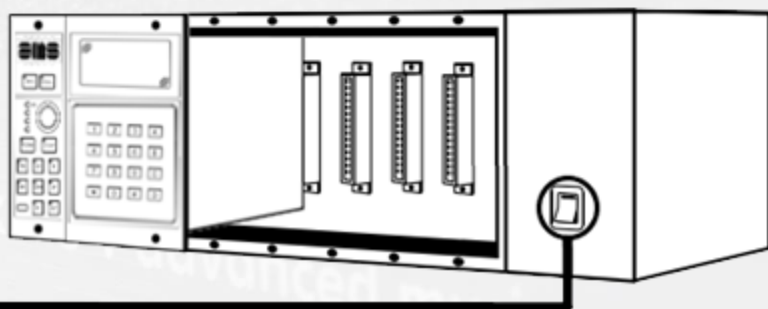
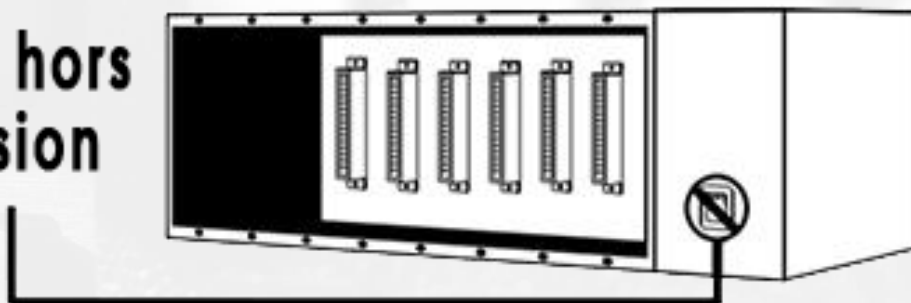


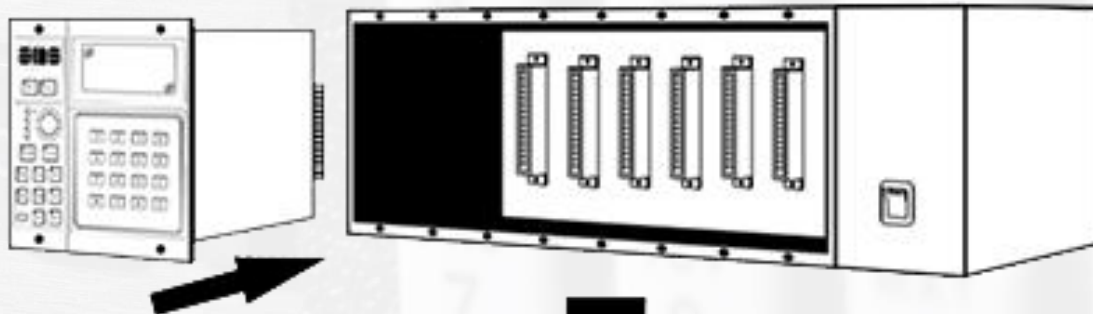
Schéma d'installation

1

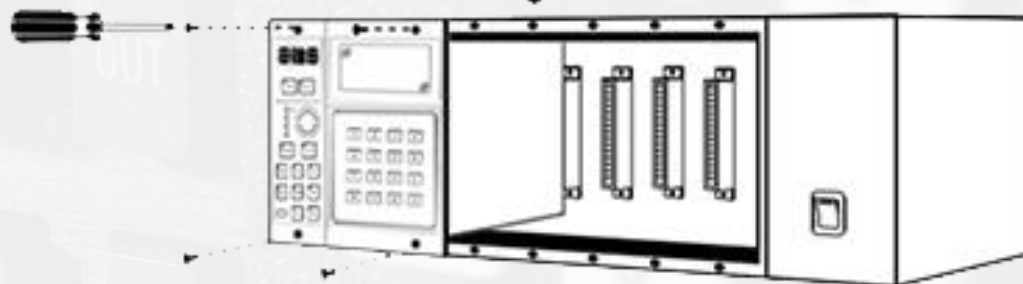
Mise hors tension



2

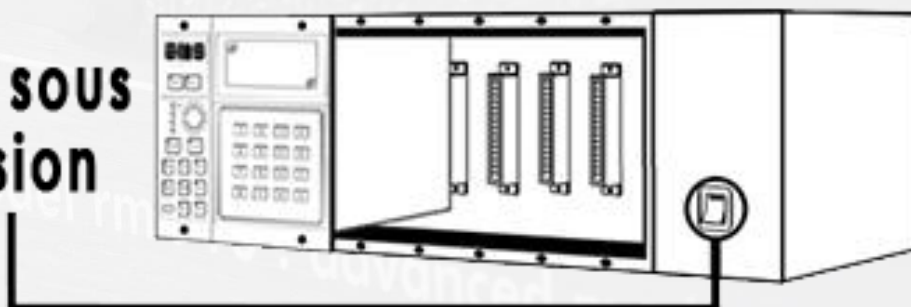


3



4

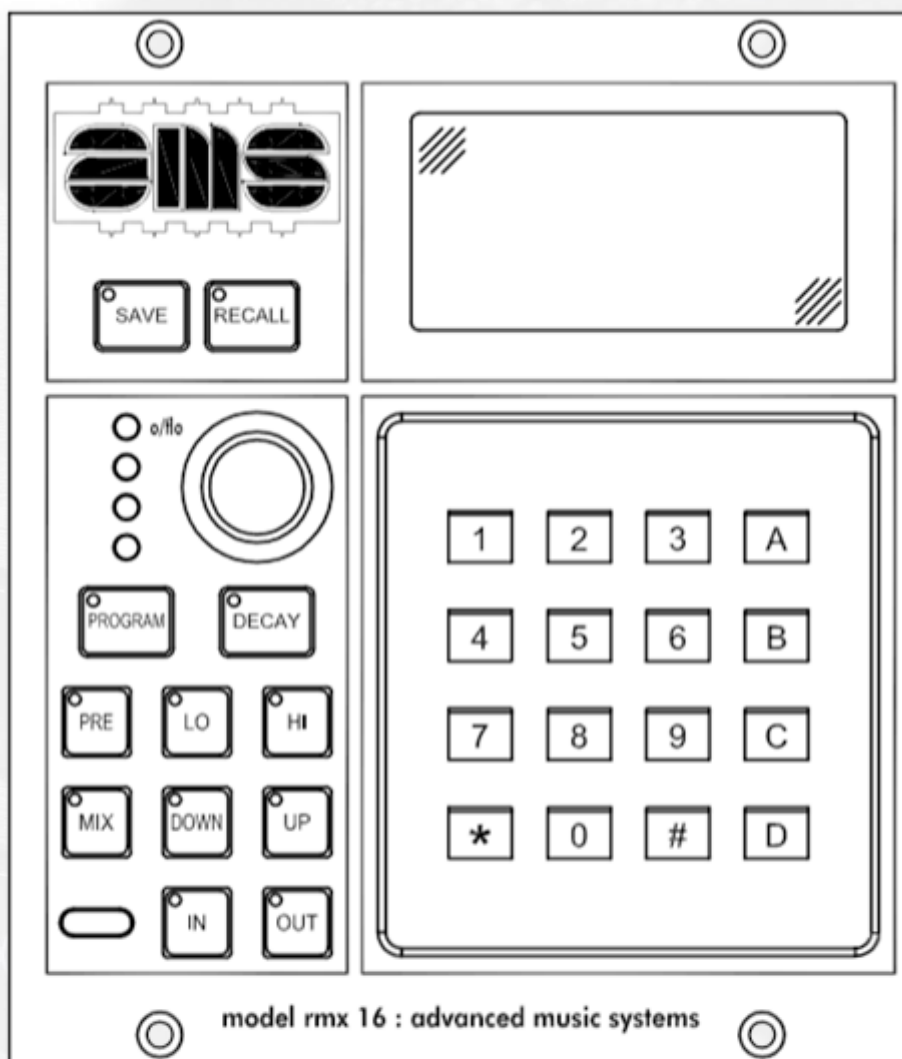
Mise sous tension



Pour des instructions d'installation complètes, veuillez vous référer au

Guide d'installation AMS RMX16

RMX 16 Front Plate

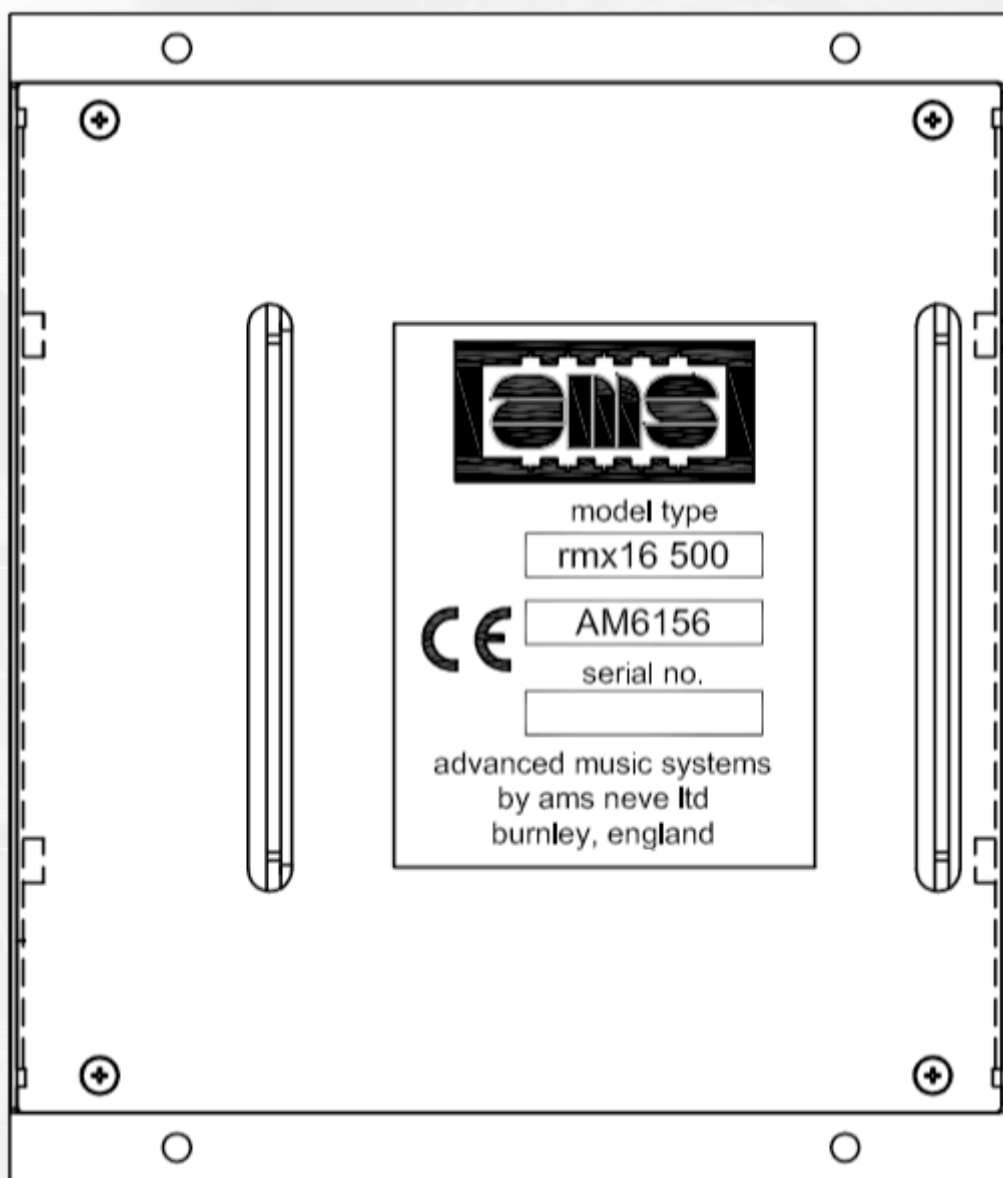


☆ ENSURE THAT FRONT PANEL
IS LINED UP WITH CHASSIS

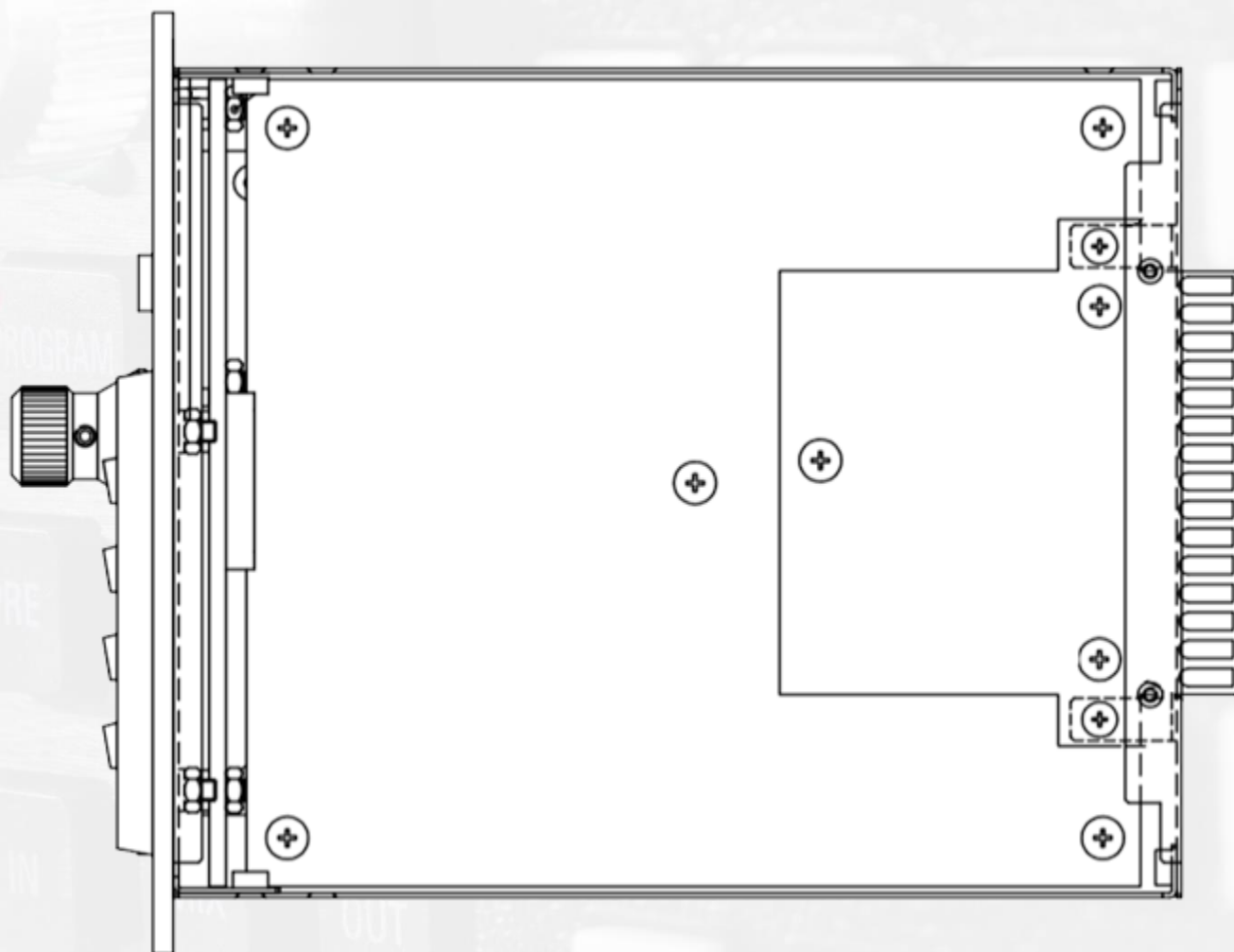
Assurez-vous que le panneau avant
soit aligné avec le châssis

RMX 16 Rear Plate

Plaque arrière RMX 16



RMX 16 Side view
RMX 16 Vue latérale



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.

Connexions audio

La série RMX16 500 possède une seule entrée **MONO** et une sortie **STEREO**. L'unité utilise 3u d'espace de rack de série 500 avec son entrée **MONO** sur le premier emplacement (**entrée 1**). La sortie stéréo se trouve sur les premier et troisième emplacements (**sortie 1 et sortie 3**). Le deuxième emplacement (**sortie 2**) est redondant et n'est pas utilisé pour des connexions audio.

Dimensions & Power Requirements

Dimensions et exigences d'alimentation

Unit Physical / Technical Information

Informations physiques / techniques de l'unité

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

Spécifications audio

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 \approx 20K Ω electronically balanced in slot 1
Line Outputs	Output Impedance \approx 150 Ω electronically balanced: (L) Slot 1 (R) Slot 3

Unit Connection Tables

Tableaux de connexion des unités

Data	USB Type C
------	------------

Unit 15-Way Pin Outs Slot 1 & 3

Brochage des broches 15 voies des logements 1 et 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