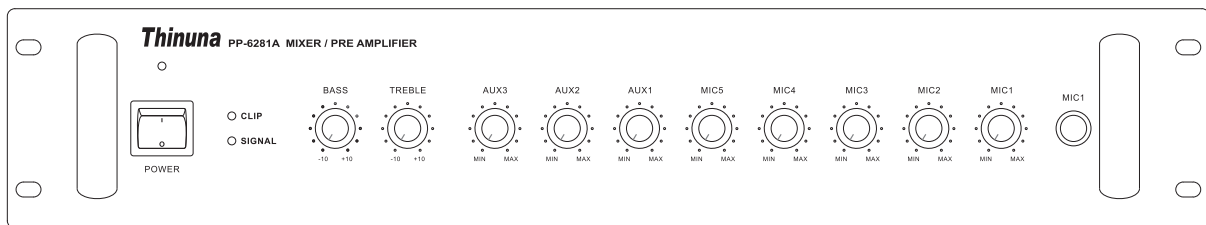


Operation Manual

PP-6281A

Mixer / Pre-amplifier



Thinuna

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Welcome




A personal welcome to you from the management and employees of Thinuna global.

Thanks you for choosing our products, we will always provide innovative, advanced, reliable products like before.

We are sincerely trust these products will provide years of satisfactory service, but if anything is not to your complete satisfaction, we will endeavor to make things right.

Welcome to thinuna again, and thank you for becoming part of our worldwide extended family!

Warning

 <p>CAUTION RISK OF ELECTRIC SHOCK DON'T OPEN</p> <p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	 <p>This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>  <p>This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.</p> <p>Caution: To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.</p>
<p>WARNING</p> <p>To prevent fire or shock hazard, do not expose the unit to rain or moisture.</p>	<p>Atentions: Pour prévenir les chocs électriques ne pas utiliser cette fiche polarisée avec un prolongateur, une prise de courant on une autre sortie de courant, sauf si les lames peuvent être insérées à fond sans en laisser aucune partie à découvert.</p>

* Do not install this equipment in a confined space such as a book case or similar unit.
* The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such vases, shall be placed on the apparatus.
* Worded: "WARNING FOR YOUR PROTECTION PLEASE READ THE FOLLOWING-WATER AND MOISTURE: Unit should not be used near water(e.g. near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc). Care should be taken so than objects do not fall and liquids are not spilled into the enclosure through openings."

Service Instructions
* Worded: "Caution: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so."
* Location: Instruction Manual.

NOTE : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Installation Environment

Installation this system is not difficult and complex. But you still need to spend some time to read this manual and ensure the connection and installation is exact.

Never place this product in an environment which could alter its performance or reduce its service life. Such environments usually include high levels of heat, dust, moisture, and vibration.

Important Safety Instructions



1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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.

- Avoid excessive heat, humidity, dust and vibration

Keep the unit away from locations where it is likely to be exposed to high temperatures or humidity-such as near radiators, stoves, etc. Also avoid locations which are subject to excessive dust accumulation, or to vibration that could cause mechanical damage.

- Avoid physical shocks

Strong physical shocks to the unit may cause damage. Handle the unit with care.

- Do not open the case or attempt repairs or modifications yourself

This product contains no user-serviceable parts. Refer all maintenance to qualified Thinuna service personnel. Opening the case and/or tampering with internal circuitry voids the warranty.

- Always power off before making connections

Always turn the AC mains OFF before connecting or disconnecting cables. This is important to prevent damage to the unit itself as well as other connected equipment.

- Handle cables carefully

Always plug and unplug cables (including the AC mains power cord) by gripping the connector, not the cord.

- Clear with a soft dry cloth

Never use solvents such as benzene or paint thinner to clean the unit. Wipe clean with a soft, dry cloth.

Features

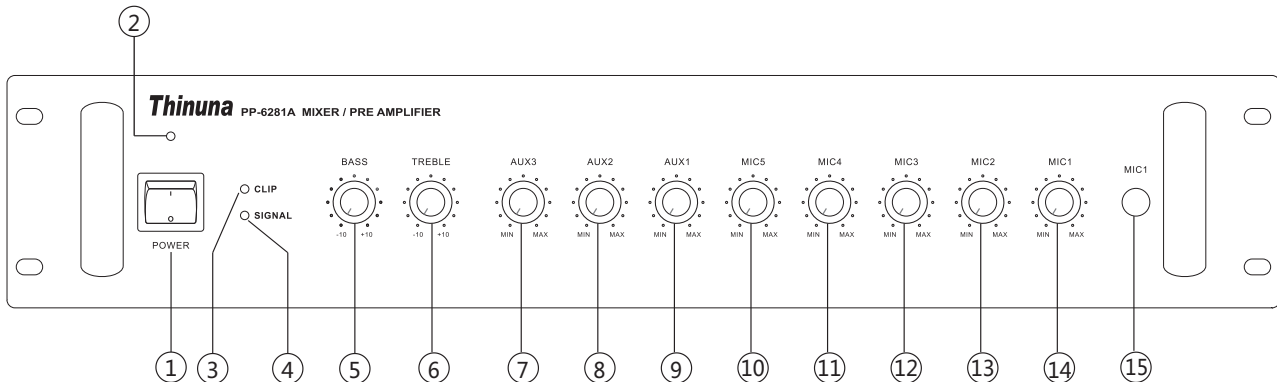
- * 5 Mic input; 3 Aux input and 2 EMC input;
- * Mic 1 and EMC1~2 input has priority;
- * 3 steps priority: MIC1 > EMC1~2 > MIC2~5 & AUX1~3;
- * Each input channel with volume control ;
- * Bass and treble EQ control for output signal.
- * Output signal and CLIP LED indicator.

Accessories

One detachable AC power cord is provided for use with this product.

- Make certain that speakers and input sources are properly connected before power on.
- Keep volume levels turned down before power on.

Front Panel



1. POWER SWITCH

2. POWER LED

3. CLIP LED

The LED indicate that you need to turn down the pre-amplifier's output volume.
Do not operate the unit with the CLIP RED LED continuously on (illuminated).

4. OUTPUT LEVEL LED

5. OUTPUT BASS CONTROL KNOB

Adjusts level of master audio output in a low frequency range is -10dB~+10dB.

6. OUTPUT TREBLE CONTROL KNOB

Adjusts level of master audio output in a high frequency range is -10dB~+10dB.

7. AUX3 VOLUME CONTROL KNOB

8. AUX2 VOLUME CONTROL KNOB

9. AUX1 VOLUME CONTROL KNOB

10. MIC5 VOLUME CONTROL KNOB

11. MIC4 VOLUME CONTROL KNOB

12. MIC3 VOLUME CONTROL KNOB

13. MIC2 VOLUME CONTROL KNOB

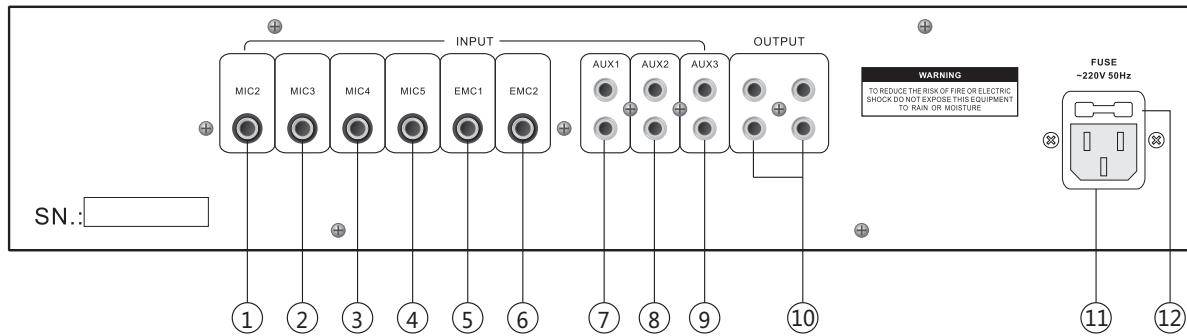
14. MIC1 VOLUME CONTROL KNOB

NOTE: The pre-amplifier has 3 steps priority: MIC1 > MIC2~5 & AUX1~3.

15. MIC1 INPUT PORT

1/4" TS unbalanced input port for MIC1 input.

Rear Panel



1. MIC2 INPUT PORT:
1/4" TS unbalanced input port for MIC2.
2. MIC3 INPUT PORT:
1/4" TS unbalanced input port for MIC3.
3. MIC4 INPUT PORT:
1/4" TS unbalanced input port for MIC4.
4. MIC5 INPUT PORT:
1/4" TS unbalanced input port for MIC5.
5. EMC1 LINE INPUT PORT
6. EMC2 LINE INPUT PORT

NOTE: The pre-amplifier has 3 steps priority: MIC1 > EMC1~2 > MIC2~5&AUX1~3.

The priority audio input muting ports usually for fire alarm message audio output or other paging voice output.

7. AUX1 INPUT PORT:
Stereo RCA unbalanced input port for AUX1.
8. AUX2 INPUT PORT:
Stereo RCA unbalanced input port for AUX2.
9. AUX3 INPUT PORT:
Stereo RCA unbalanced input port for AUX3.
10. LINE OUTPUT PORT
Stereo RCA unbalanced output port for external amplifier or recording device.
11. AC POWER CORD
Only connect to an proper AC mains power source.
12. AC FUSE HOLDER

This holder contains the AC overload protection fuse. If the fuse has blown out, replace it with a fuse of the same specifications. If the fuse continues to blow, refer servicing to a qualified service technician.

Specifications

Model No.	PP-6281A
Mic Input	-55dB, unbalanced, 1/4"TS
Aux Input	-10dB , unbalanced , stereo , RCA
EMC Input	-10dB, unbalanced, 1/4"TS
Audio Output	0dB , unbalanced , Mono , RCAx4
Frequency Response	20Hz~20kHz (±3dB)
S/N	Mic input>65dB , Aux input>75dB
THD	<0.5%
Power Source	220~240VAC , 50/60Hz
Power Consumption	<10W
Temperature / Humidity	0°C~40°C , <95%
Weight	8kg
Dimensions	482(W) × 88(H) × 350(D) mm
Shipping weight	10kg
Shipping Dimensions	0.0382CBM, 58(W) x 47(H) x 14(D) cm

Service

Procedures

Ensure the problem is not related to operator error, or external system devices, Once it is certain that the problem is related to the product contact your warranty provider as described in the warranty section of this manual.

Schematic

A Schematic is available by contacting your warranty provider.

Parts List

A Parts List is available by contacting your warranty provider.

Variations

Variations of this product exist to reflect the variations in AC power requirements throughout the world. Product supplied through local sources are compatible with local AC power requirements.

Options

No optional items are available for this product.

Warranty

Warranty terms and conditions vary by country and may not be the same for all products. Terms and conditions of warranty for a given product may be determined first by locating the appropriate country which the product was purchased in, then by locating the product type.

To obtain specific warranty information and available service locations contact Thinuna directly or the authorized Thinuna Distributor for your specific country or region.

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Notice: Thinuna Technology makes every effort to ensure the accuracy of information on this manual. The documents, graphics, and other information included in this manual may include technical inaccuracies, typographical, or other errors.

Specifications are subject to change without notice.