

# MA4200

## 4 Input Multimedia Mixer Amplifier



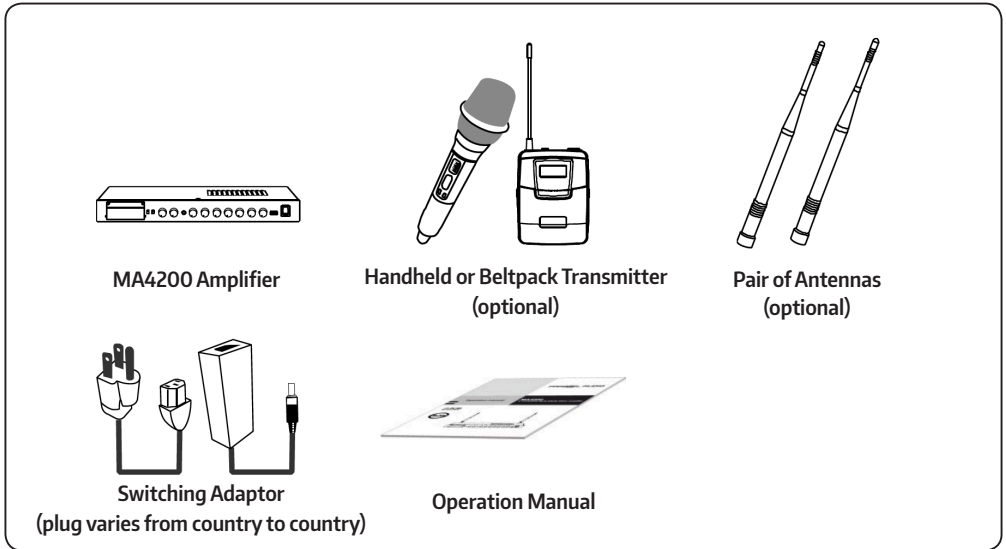
OPERATION MANUAL V1.0

PARALLEL AUDIO®

Congratulations and thank you for purchasing this 2.1-channel multi-media mixer amplifier.

To ensure a trouble-free operation, please read the manual thoroughly to fully understand its controls and functions.

## In the Box



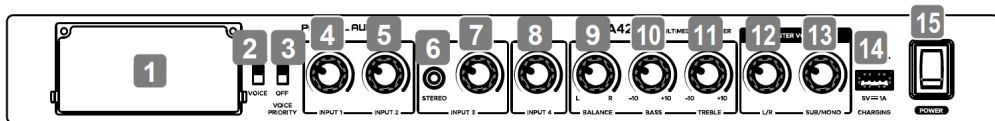
**Note:** The above specifications are subject to change without prior notice.

## Optional Accessories

- Receiver / MP3 recorder / Bluetooth module
- Battery charger for handheld / belt-pack transmitter

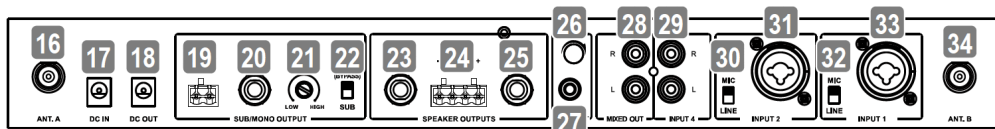
Parts and Functions

FRONT PANEL



- |  |   |
|--|---|
| 1. Receiver / MP3 recorder / Bluetooth module slot   | 8. LINE IN volume control (RCA R / L)     |
| 2. <b>MUSIC / VOICE</b> mode switch for slot (1)<br><b>MUSIC</b> for MP3 recorder / Bluetooth module<br><b>VOICE</b> for receiver module | 9. Balance control for L/R speakers       |
| 3. Voice priority switch   | 10. Bass tone control (for all audio)     |
| 4. Microphone / Line (1) volume control  | 11. Treble tone control (for all audio)   |
| 5. Microphone / Line (2) volume control  | 12. L/R speakers volume control           |
| 6. Line in socket (stereo, 3.5mm)  | 13. Subwoofer/mono speaker volume control |
| 7. Line in volume control (stereo, 3.5mm)  | 14. USB power output (5V 1A)              |
|  | 15. Power switch                          |

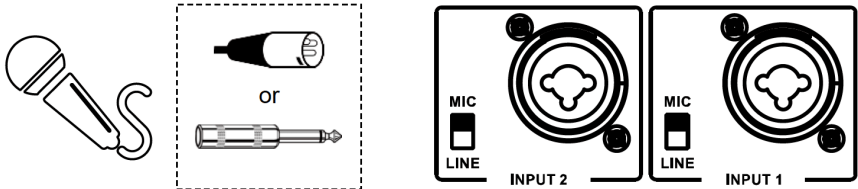
REAR PANEL



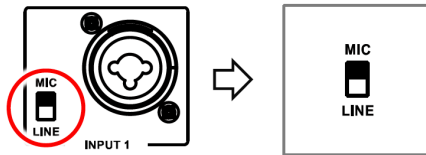
- |   |   |
|---|---|
| 16. Antenna A (TNC socket)  | 25. RIGHT speaker output (Ø6.3mm)<br><b>Output from either (23) +(25) or (24)</b> |
| 17. DC input (20V DC)   | 26. LINE OUT (3.5mm) volume control   |
| 18. DC output (12V DC)  | 27. LINE OUT socket (3.5mm)   |
| 19. Subwoofer/mono speaker output (2P PHOENIX)  | 28. LINE OUT socket (RCA R / L)   |
| 20. Subwoofer/mono speaker output (Ø6.3mm)<br><b>Output from either (19) or (20)</b>                  | 29. LINE IN socket (RCA R / L)  |
| 21. Subwoofer speaker crossover control   | 30. Microphone / Line (2) level switch  |
| 22. Speaker type switch<br><b>SUB</b> type for subwoofer speaker<br><b>MONO</b> type for mono speaker | 31. Wired microphone/Line input socket (2)  |
| 23. LEFT speaker output (Ø6.3mm)  | 32. Microphone / Line (1) level switch  |
| 24. L / R stereo speakers output (4P PHOENIX)   | 33. Wired microphone / Line input socket (1)                                      |
|   | 34. Antenna B (TNC socket)  |

Using a Wired Microphone

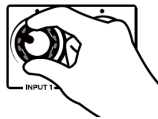
1. Plug a wired microphone with a 6.3mm or XLR connector to INPUT 1 or INPUT 2 on the rear panel.



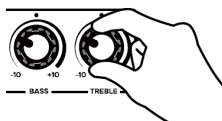
2. Slide the switch to MIC level.



3. Turn on the power and then adjust INPUT 1 (2) volume control on the front panel to desired level.

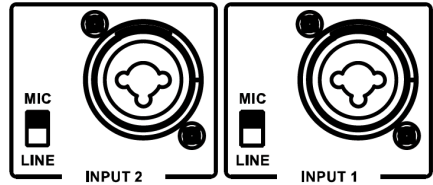
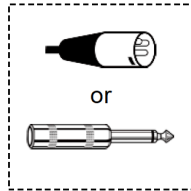
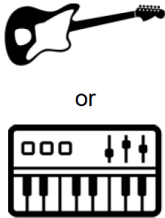


4. Bass and treble tone levels can be adjusted on the front panel.

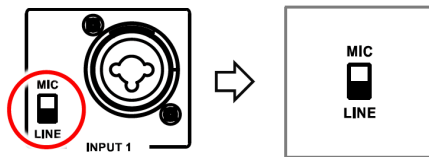


Using a Wired Microphone

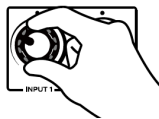
1. Plug an electronic guitar or keyboard with a 6.3mm plug or XLR connector to INPUT 1 or INPUT 2 on the rear panel.



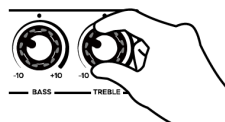
2. Slide the switch to LINE level.



3. Turn on the power and then adjust INPUT 1 (2) volume control on the front panel to desired level.

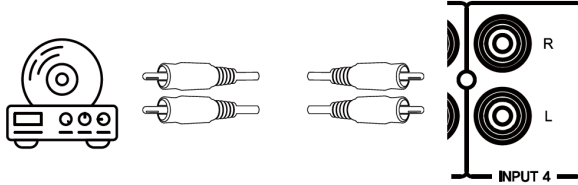


4. Bass and treble tone levels can be adjusted on the front panel.

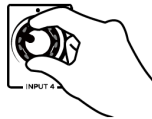


**Music Audio Input**

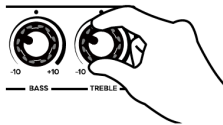
1. Plug the audio cable with RCA R/L plugs to the **INPUT 4's** RCA R/L jacks on the rear panel.



2. Turn on the power and then adjust **INPUT 4** volume control on the front panel to a desired level.



3. Bass and treble tone levels can be adjusted on the front panel.

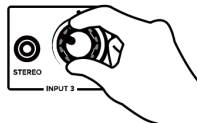


**Music Audio Input – MP3 / MP4 / Phone**

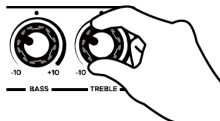
1. Plug the audio cable with a 3.5mm phone plug to **INPUT 3's** 3.5mm stereo jack.



2. Turn on the power and then adjust **INPUT 3** volume control on the front panel to a desired level.

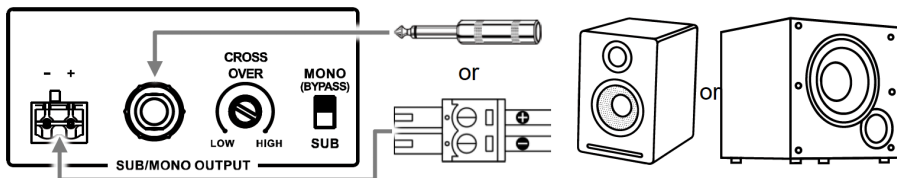


3. Bass and treble tone levels can be adjusted on the front panel.

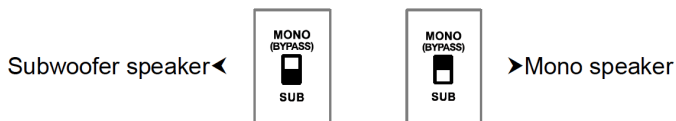


Connecting a MONO / SUBWOOFER Speaker

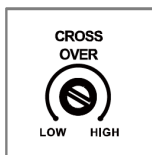
1. Plug the external speaker's audio cable to the 6.3mm or 2P PHOENIX jack on the rear panel.  
The speaker's impedance must be  $4\Omega$  or more. When using 2P PHOENIX for connection, please accord with the positive (+) and negative (-) polarities.  
**IMPORTANT** – Either 6.3mm or 2P PHOENIX jack can be connected.



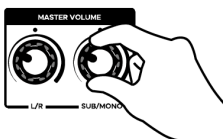
2. Slide the switch to **MONO (BYPASS)** mode when connecting to a mono speaker. **SUB** mode to a subwoofer.



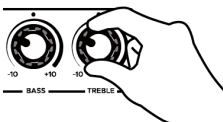
3. There is crossover control on the rear panel for external subwoofer speaker. This control can decide the frequency to amplify or mute the audio. Only audio below the crossover frequency will be amplified to the subwoofer speaker.



4. Turn on the power and then adjust **SUB/MONO** volume control on the front panel to a desired level.

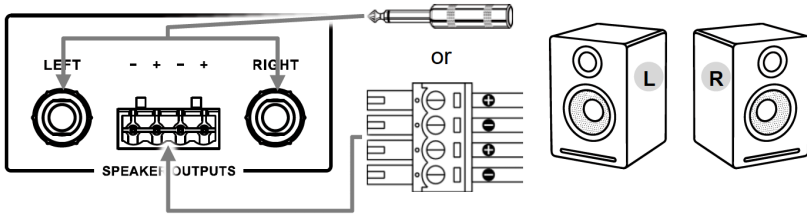


5. Bass and treble tone levels can be adjusted on the front panel.

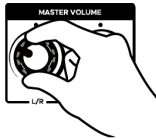


Connecting L / R Stereo Speakers

1. Plug the external speaker's audio cable to the 6.3mm or 4P PHOENIX jacks on the rear panel.  
 The speaker's impedance must be 4Ω or more. When using 4P PHOENIX for connection, please accord with the positive (+) and negative (-) polarities.  
**IMPORTANT – Either 6.3mm or 4P PHOENIX jacks can be connected.**



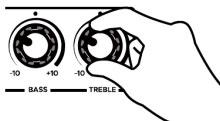
2. Turn on the power and then adjust L/R volume control on the front panel to a desired level.



3. There is a **BALANCE** control for balancing the output volume from the RIGHT and LEFT speakers when either speaker is too loud or too low.



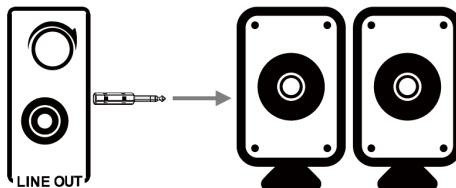
4. Bass and treble tone levels can be adjusted on the front panel.



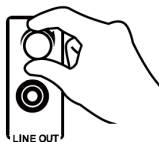


### Connecting Desktop / Computer Speaker

1. Plug the audio cable with 3.5mm plug from the **LINE OUT**'s 3.5mm jack on the rear panel to the desktop / computer speaker.

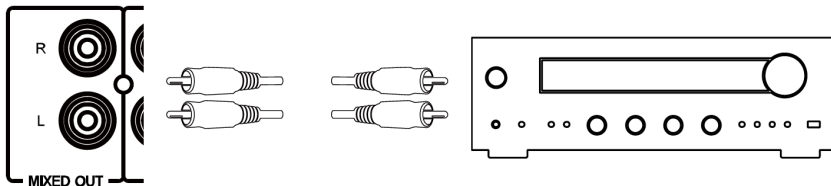


2. Turn on the power and then adjust **LINE OUT** volume control on the rear panel to a desired level.  
 – Can also be used as a dedicated ALD (Assistive Listening Device) output.

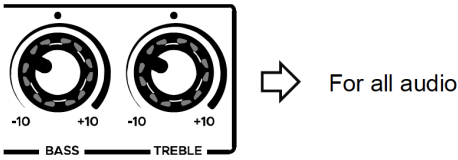


### Connecting External Amplifier

Plug the audio cable with RCA R/L plugs from the **MIXED OUT**'s RCA R/L jacks on the rear panel to an external amplifier.



Tone Control



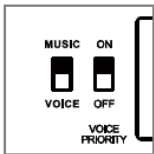
Operating Voice Priority

Voice Priority operation is only necessary when CD/USB/MP3 is playing.

When the Voice Priority switch is ON, the ducking function will be activated.

While the music is playing, voice input from either a Wired or Wireless Microphone will temporarily override and lower the volume of the background music and speech will be heard more clearly.

Background music will return to its original setting when no audio is detected from the microphone for a few seconds.



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## PARALLEL AUDIO WARRANTY INFORMATION – 5 Year Warranty Term

### Consumer Guarantees

When you purchase a NAS distributed product, you have the peace of mind in knowing that your product is covered by the NAS warranty. The NAS warranty is provided by:

**In Australia:** National Audio Systems Pty Ltd, ABN 50 085 679 894 ['NAS'], 127 Merrindale Drive, Croydon, Victoria 3136.

**In New Zealand:** NAS Solutions Limited, NZBN 9429046800992 ['NAS'], 7F Douglas Alexander Parade, Rosedale, Auckland 0632.

The Australian Consumer Law protects consumers by giving them certain guaranteed rights when they buy goods and services. Rights guaranteed under the Australian Consumer Law include;

- The goods are of acceptable quality;
- The goods match their description or any sample or demonstration model;
- The goods are fit for any represented purpose or purpose which the consumer has made known;
- Repairs and spare parts are reasonably available (unless notice has been provided that repairs or spare parts would not be available); and
- The services are carried out with reasonable care and skill and are completed within a reasonable time

These rights are called 'Consumer Guarantees' and apply automatically whenever goods or services are supplied to a consumer. These Consumer Guarantees cannot be refused, changed or limited.

Consumer Guarantees have no set time limit and depending on the price and quality of goods a Consumer may be entitled to a remedy after any manufacturers' or NAS's extended warranty has expired.

The Specific Warranty Table Information outlines the warranty period, warranty type and any specific exclusions for your NAS product. NAS considers the warranty period specified in the Specific Warranty Table to be a reasonable warranty period having regard to the price, design, manufacture and expected use of the product.

### General Warranty ('Warranty')

NAS products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure or if the goods fail to be of acceptable quality. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure. What constitutes a major failure is set out in the Australian Consumer Law.

Subject to the terms and conditions set out below, and unless otherwise specified in the Specific Warranty Information for your NAS product, NAS agrees to repair or replace, at NAS's cost, the NAS product purchased by you in Australia or New Zealand from NAS or a NAS authorised reseller when the product does not perform substantially in accordance with the specifications during the warranty period specified in the Specific Warranty Table for your NAS product. NAS makes no other express warranties in respect of your NAS product. To make a claim under this Warranty, valid proof of purchase must be presented when the warranty claim is made, along with any other required information. The Warranty offered by NAS is not transferable.

The Warranty will only apply if your NAS product has been installed and used in accordance with NAS's recommendations as noted in the operating instructions.

## Warranty Exclusions

The Warranty does not cover damage caused by;

- Misuse or abuse of the product by You;
- Incorrect operation or not following the operation instructions (as noted in the operating instructions);
- Improper installation;
- Incorrect or improper maintenance or failure to maintain the product;
- Failure to clean or improper cleaning of the product;
- Incorrect voltage or non-authorized electrical connections;
- Adverse external conditions such as incorrect or fluctuations in electrical voltage, thunderstorm activity, acts of God, acts of terrorism, damage caused by vermin, or any other circumstance beyond NAS's control;
- Exposure to excessive heat, moisture or dampness;
- Exposure to abnormally corrosive conditions;
- Alterations or modifications to the product made by You or a third party; or
- Damage as a result of accident, liquid, grit, impact or lack of proper care as indicated in the operating instructions;
- Damage resulting from the use of cleaning solvents such as acetone

The Warranty does not apply if any serial number or appliance plate on the product has been tampered with, removed or defaced.

The Warranty does not apply if the product has been repossessed under any financial agreement.

The Warranty excludes accessories and consumable goods which have ceased working through normal wear and tear such as, but not limited to, batteries, lamps and other parts classifiable as a consumable part.

The Warranty does not cover the loss of any data howsoever caused. You shall be responsible for backing up and protecting data against loss, damage or destruction.

Products presented for repair may be replaced by refurbished products of the same type rather than being repaired. Refurbished parts may be used to repair the products. Replacement of the product or a part does not extend or restart the Warranty Term.

The product will be at the owner's risk whilst in transit to and from all NAS authorised service centres, unless transported by NAS or its authorised representatives.

NAS and its authorised service centres may seek reimbursement of any costs incurred by them when the product is found to be in good working order.

The cost of claiming under this warranty, including return of any product to NAS is to be borne by the consumer.

The Warranty excludes removal or reinstallation costs.

**\* All Parallel Audio products come with a 5 year warranty term, excluding Parallel Audio batteries and CD players (see below).**

**Parallel Audio Limited Battery and CD Player Warranty:** Batteries and CD players fitted to all Parallel Audio portable PA products carry a 3 months warranty.

For further information and warranty claims, refer to our **Support** page at [www.nas.solutions](http://www.nas.solutions).