

AP[®]

APMN-4080

1200W

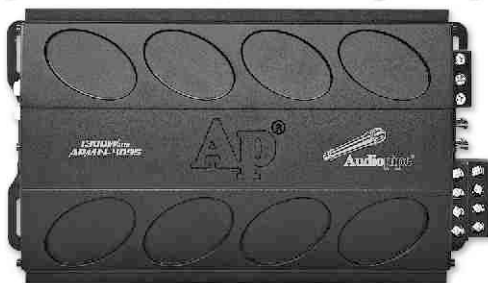
APMN-4095

1300W

APMN-55105

1600W

Mini Design Glass AB Mosfet Amplifier



With Remote Bass Knob

Owner's Manual



INTRODUCTION

Congratulations!

Thank you for purchasing this Audiopipe amplifier for your car audio system. Now you own an amplifier of uncompromising design and engineering incorporating the latest advanced circuit technology. You will discover soon that our amplifiers display optimum sound with high quality and provide reliable performance.

Audiopipe amplifiers are adopted by advanced craftsmanship which use the highest quality components and strict quality control system. In order to provide you the best performance. We recommend you to contact an authorized Audiopipe Dealer to do the installation.

Please read this manual thoroughly to ensure that you can get the maximum benefit from this new amplifier. When you install it properly, this unit will provide you years of trouble-free performance.

ABOUT THE MANUAL

Congratulations on your purchase of the Audiopipe Power Amplifier. We are committed to high-quality music reproduction, and we are confident that you will be pleased with your purchase. These products provide optimum performance, which we are sure you will enjoy for years to come.

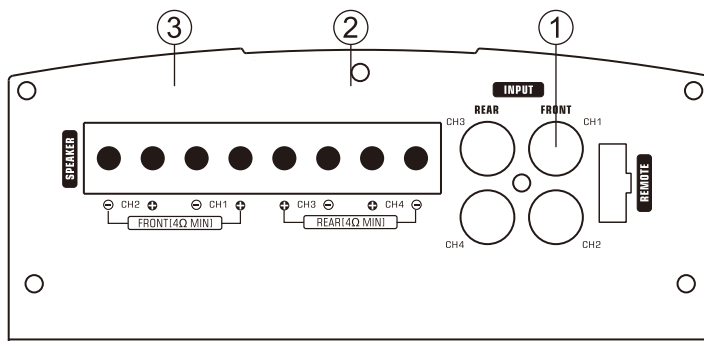
For maximum performance Audiopipe recommends having your amplifier installed by an authorized Audiopipe dealer.

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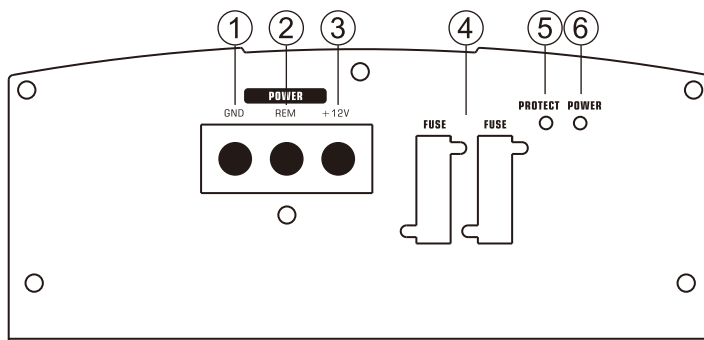
AMPLIFIER FUNCTIONS

APMN-4080



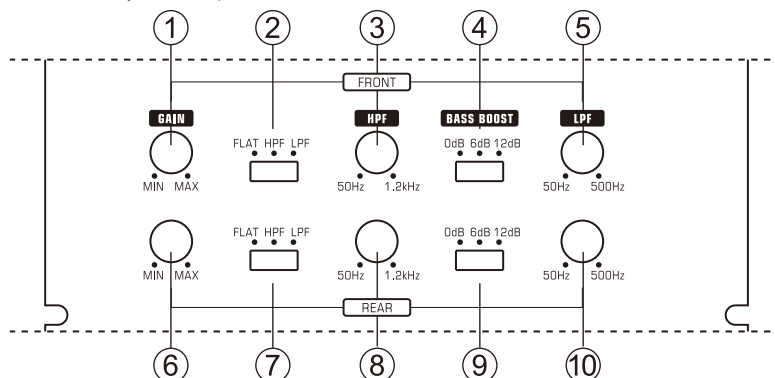
1. RCA Input Jacks
2. Rear Speaker Output

3. Front Speaker Output



1. Ground
2. Remote Turn-on Input
3. Battery +12V Input

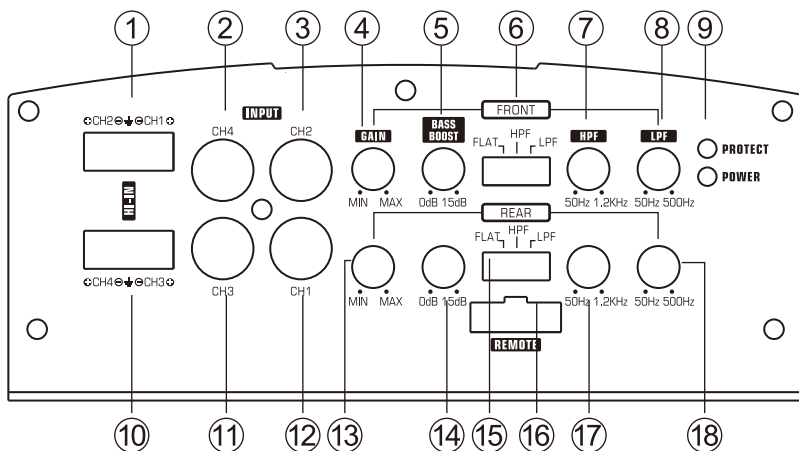
4. 2x25 Amp Fuse
5. Protection Circuit Indicator LED
6. Power Indicator LED



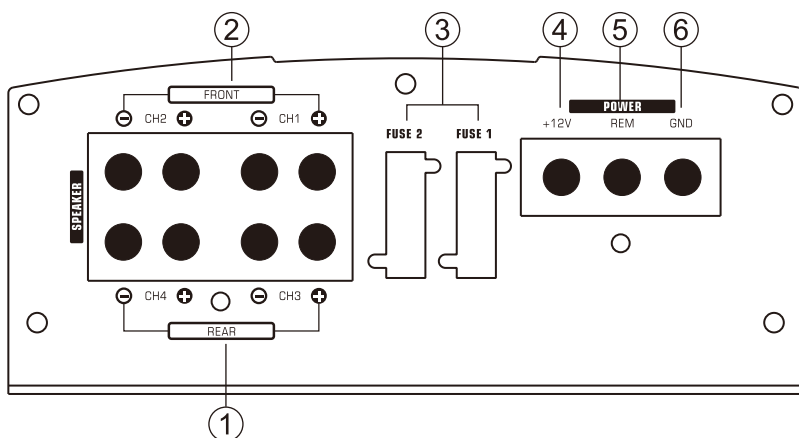
1. Front GAIN Control
2. Front Filter Select Switch
3. Front HPF Control
4. Front Bass Boost Level
5. Front LPF Control

6. Rear GAIN Control
7. Rear Filter Select Switch
8. Rear HPF Control
9. Rear Bass Boost Level
10. Rear LPF Control

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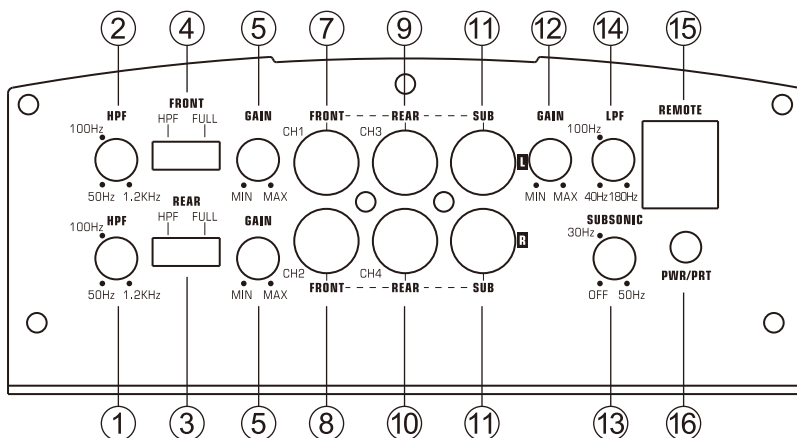


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|-----------------------------------|-----------------------------------|
| 1. Front High Level Input | 10. Rear High Level Input |
| 2. Rear Right RCA Input Jacks | 11. Rear Left RCA Input Jacks |
| 3. Front Right RCA Input Jacks | 12. Front Left RCA Input Jacks |
| 4. Front GAIN Control | 13. Rear GAIN Control |
| 5. Front Bass Boost Level | 14. Rear Bass Boost Level |
| 6. Front Filter Select Switch | 15. Rear Filter Select Switch |
| 7. Front High Pass Filter Control | 16. Remote Volume Control |
| 8. Front Low Pass Filter Control | 17. Rear High Pass Filter Control |
| 9. Power/Protect LED | 18. Rear Low Pass Filter Control |

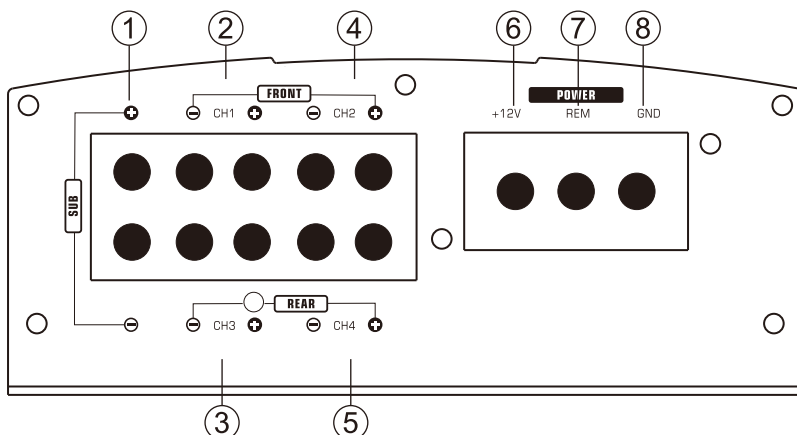


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|-------------------------|-------------------------|
| 1. Rear Speaker Output | 4. Battery +12V Input |
| 2. Front Speaker Output | 5. Remote Turn-on Input |
| 3. 2x30 Amp Fuse | 6. Ground Input |

APMN-55105



- | | |
|-------------------------------|------------------------------------|
| 1. Rear HPF Control | 9. Rear Right RCA Input Jack |
| 2. Front HPF Control | 10. Rear Left RCA Input Jack |
| 3. Rear Filter Select Switch | 11. SUB Input |
| 4. Front Filter Select Switch | 12. Rear GAIN Control |
| 5. SUB GAIN Control | 13. SUBSONIC |
| 6. Front GAIN Control | 14. Low Pass Filter Control |
| 7. Front Right RCA Input Jack | 15. Remote Lead Input |
| 8. Front Left RCA Input Jack | 16. Power/Protection Indicator LED |



- | | |
|-------------------------------|-----------------------------|
| 1. SUB Output | 5. Rear Left Speaker Output |
| 2. Front Right Speaker Output | 6. Battery +12V Input |
| 3. Rear Right Speaker Output | 7. Remote Turn-on Input |
| 4. Front Left Speaker Output | 8. Ground |

INSTALLATION

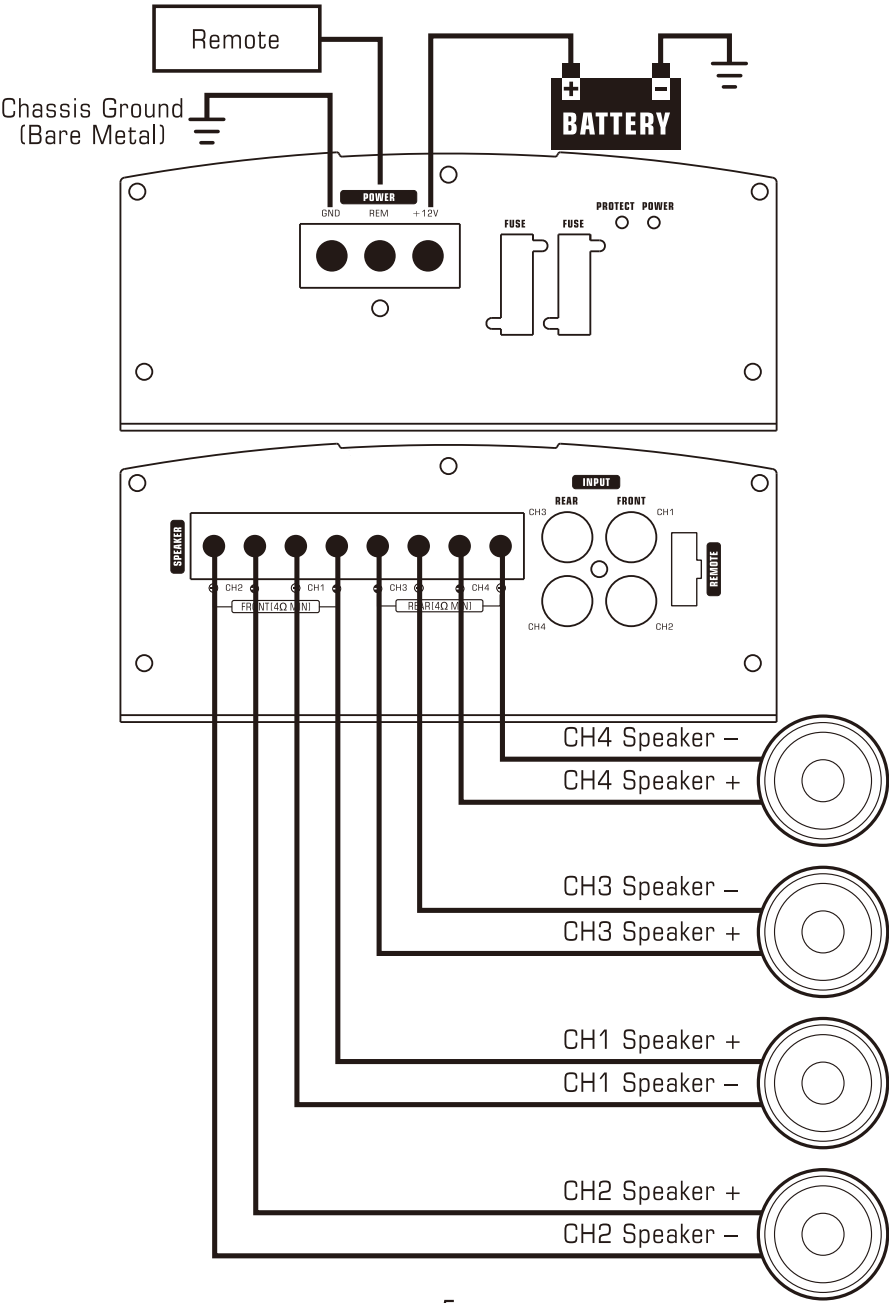
We recommend you have the installation done by an Authorized Audiopipe Dealer. The ground wire should be connected directly with the chassis of your vehicle which should be a metal to metal ground point connection. The amplifier must be mounted securely at a solid, dry and low vibration surface in the trunk or passenger area. Mount the amplifier in an open air area to insure proper heat dissipation. Mount the amplifier in a place where you can access it easily to set the input controllers. Install all amplifier cables as far as possible from car electrical cables such as the car ignition cable.

IMPORTANT:

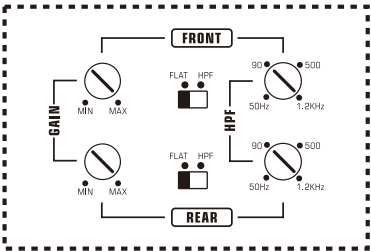
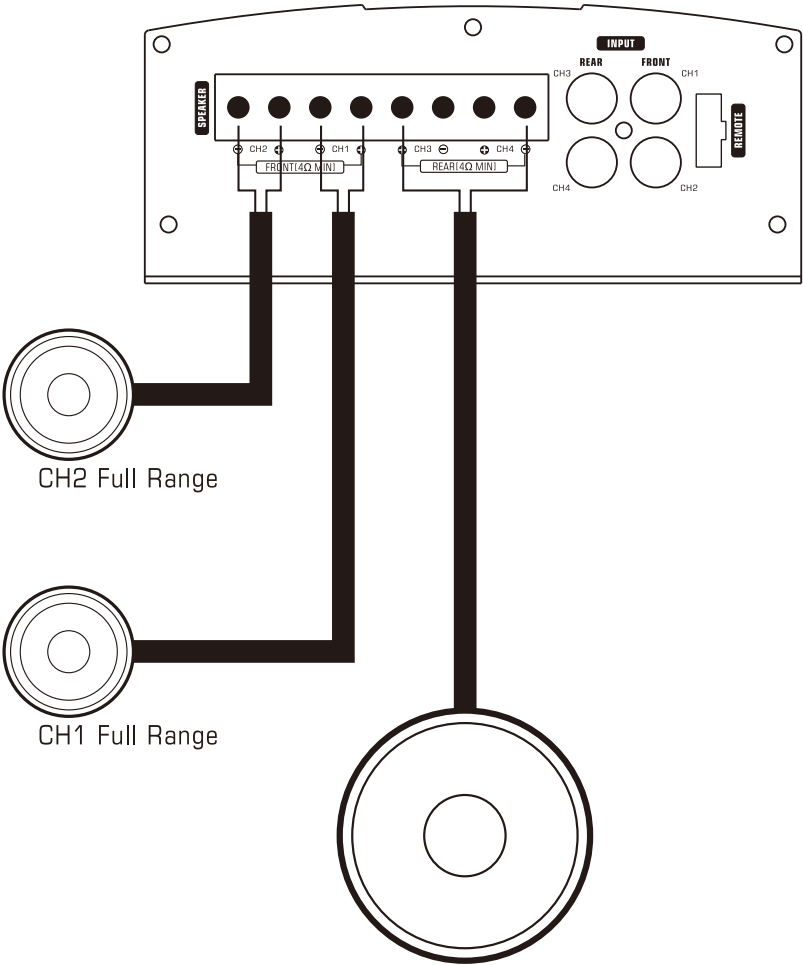
- When bridging two amplifiers please refer the bridging wiring chart.
- When bridging two amplifiers you should use same model amplifiers.
- Please make sure the negative speaker terminal of two amplifiers are connected by the same gauge cables as the positive terminal being used.
- DO NOT connect any signal cables with the input RCA jacks when bridged as slave unit.
- The LPF, Input level and remote functions will be disabled on slave amplifier when bridged.
- All the functions of the slave amplifier will be adjusted by the master amplifier.

WIRING AND APPLICATIONS

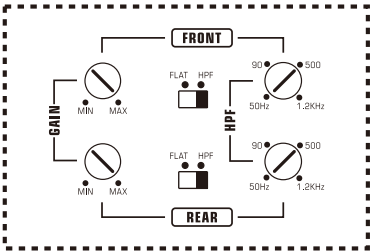
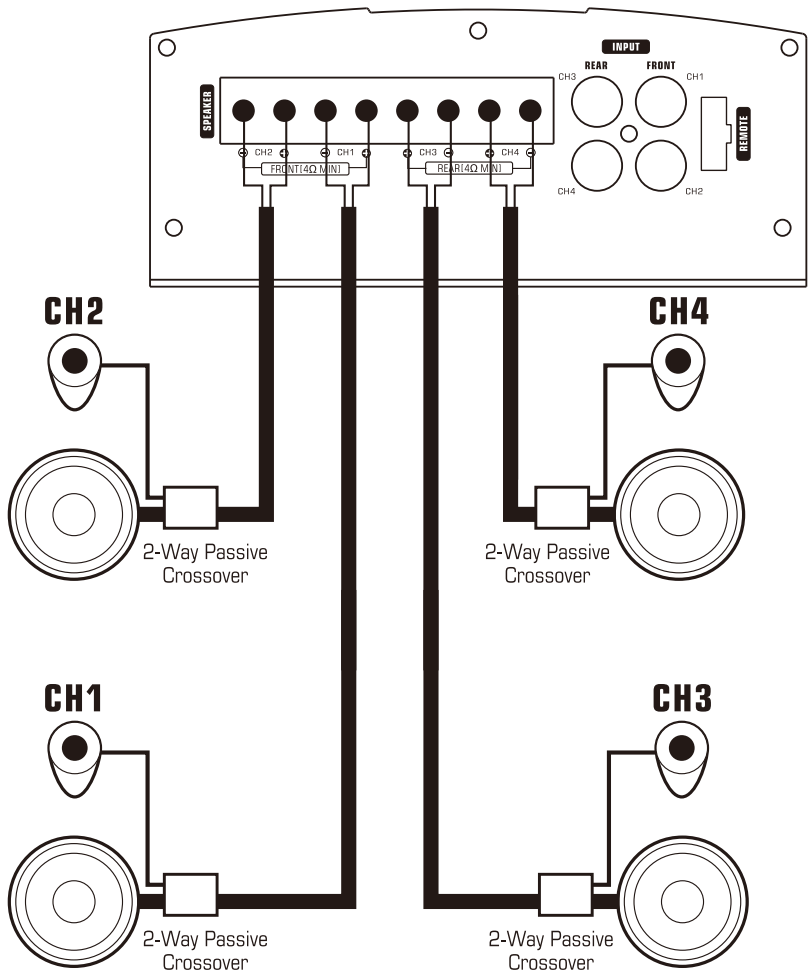
APMN-4080
4-CHANNEL FULL-RANGE OPERATION



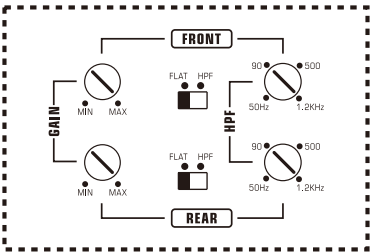
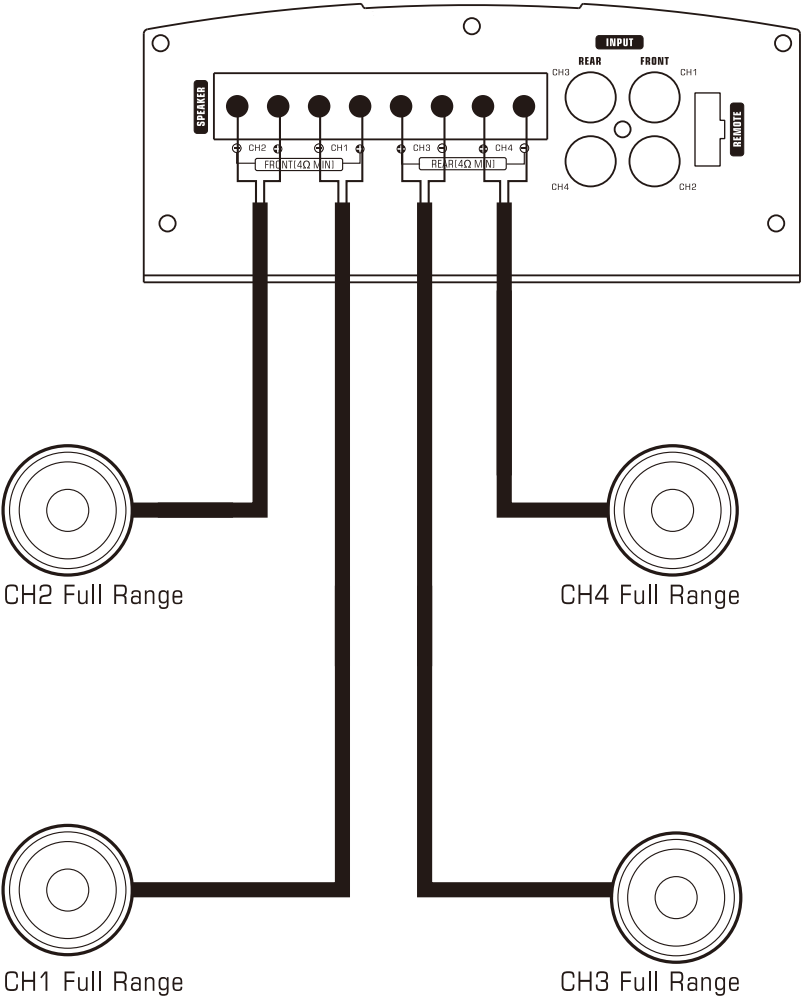
APMN-4080
BRIDGED - MONO SUBWOOFER SYSTEM



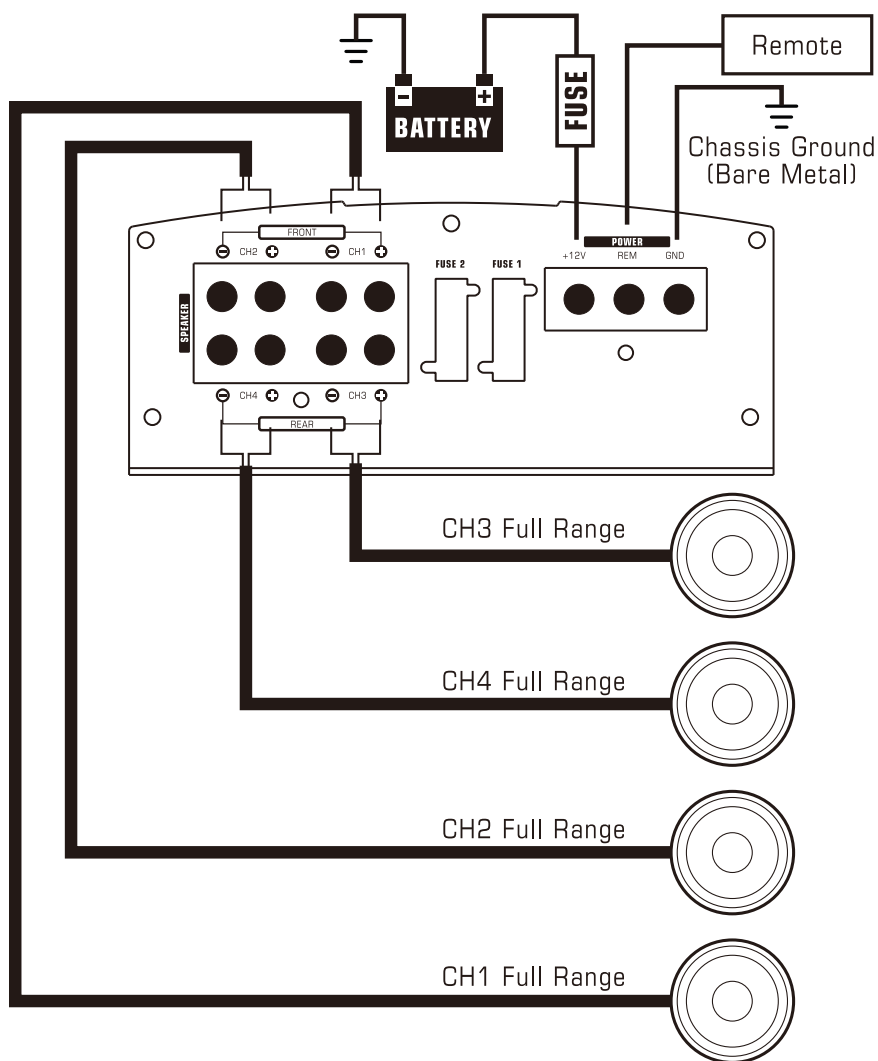
APMN-4080
2-CHANNEL FULL-RANGE SATELLITE SYSTEM



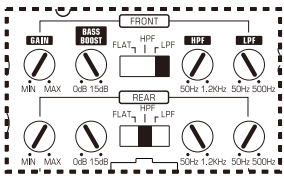
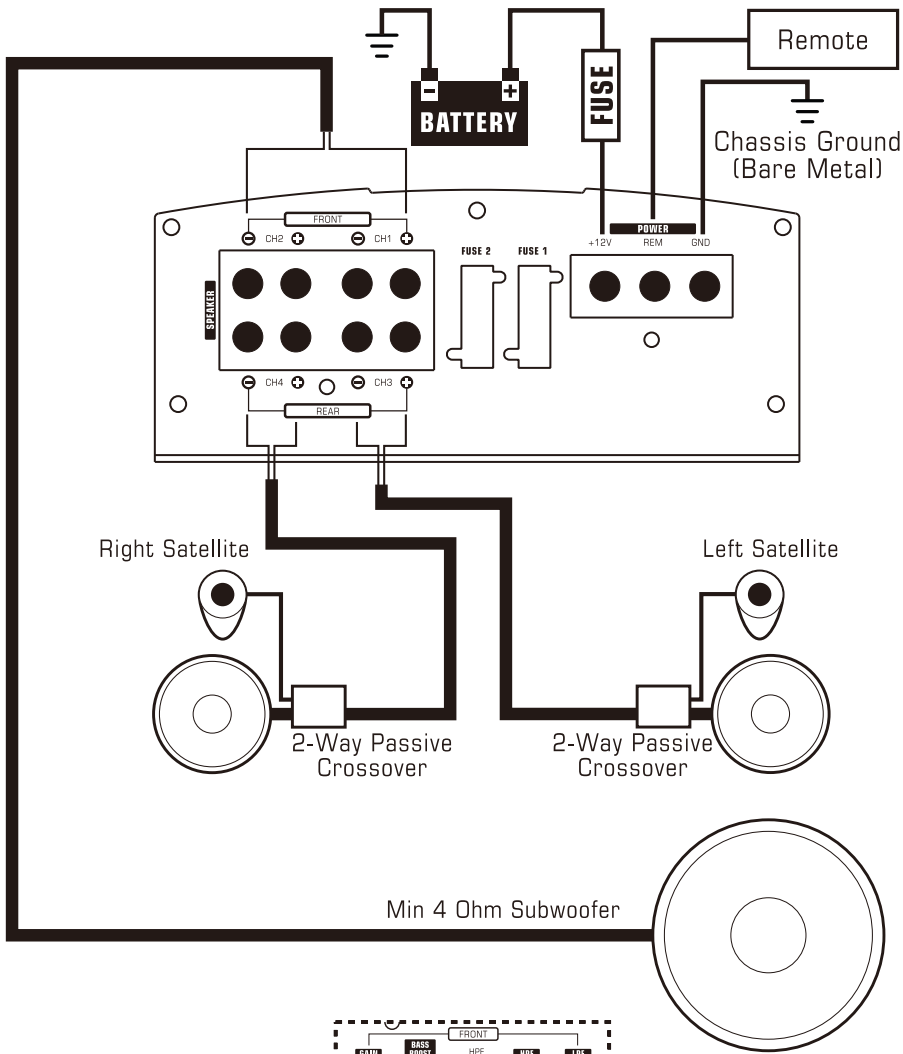
APMN-4080
2-CHANNEL FULL-RANGE SUBWOOFER FLAT SYSTEM



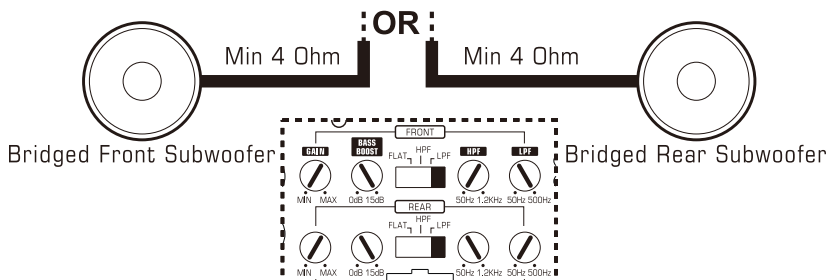
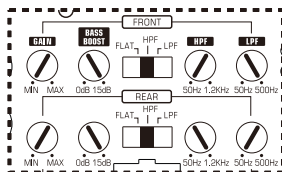
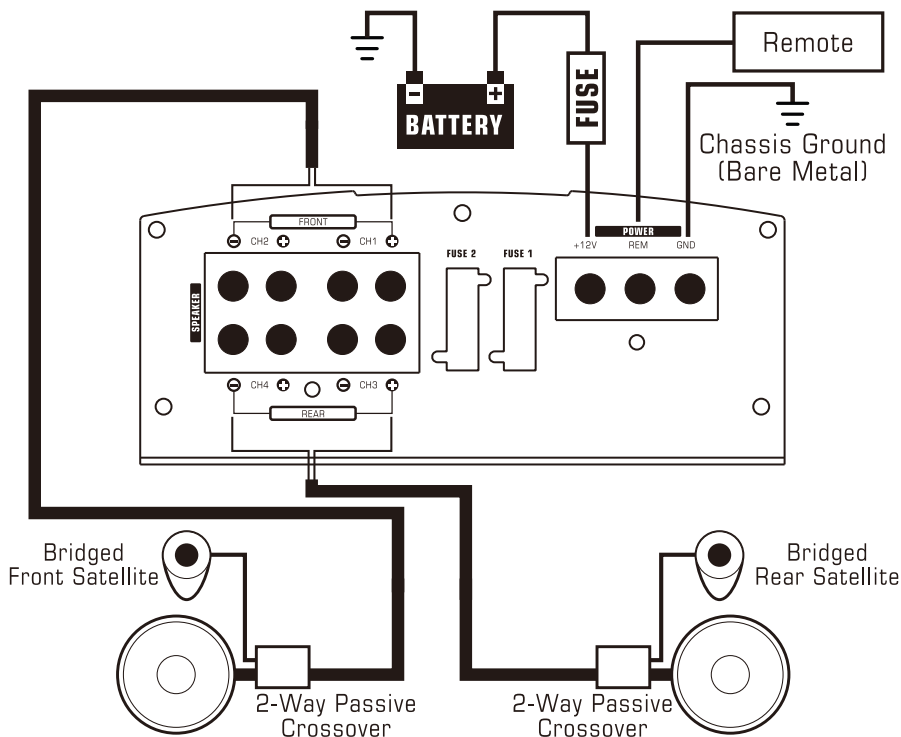
APMN-4095 4-CHANNEL FULL-RANGE OPERATION



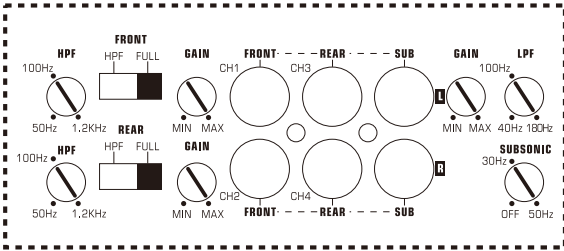
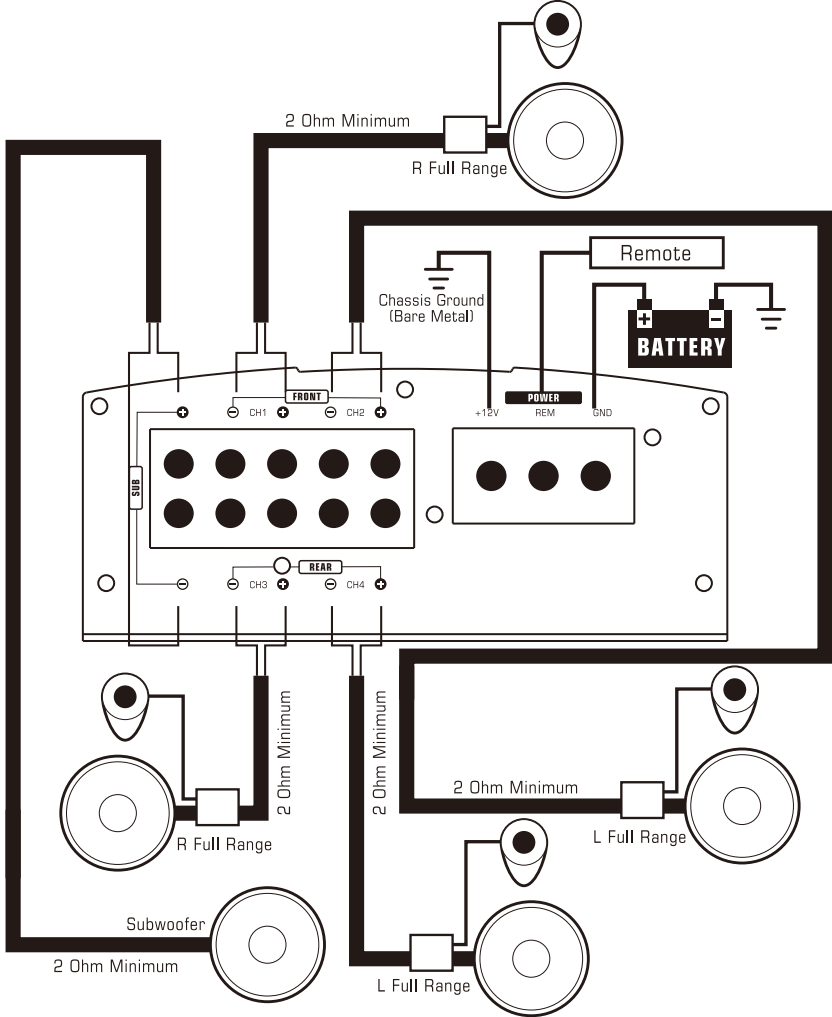
APMN-4095
BRIDGED-MONO SUBWOOFER SYSTEM



APMN-4095 2-CHANNEL HIGH POWER SYSTEM (SATELLITE OR SUBWOOFER)



APMN-55105
5-CHANNEL OPERATION



TROUBLESHOOTING**Problem**

Run indicator doesn't light up.

Solution

- *Check all fuses on the amplifier.*
- *Check main fuse near the battery.*
- *Check plus and minus battery cables.*
- *Check remote voltage.*

Problem

Run indicator is on but no sound.

Solution

- *Check volume control on the radio.*
- *Check GAIN regulator on the amplifier.*
- *Check RCA cables and connections.*
- *Check speaker cables and connections.*

Problem

Bass response is low.

Solution

- *Check volume control on the radio.*
- *Check GAIN regulator on the amplifier.*
- *Check RCA cables and connections.*
- *Check speaker cables and connections.*

Problem

The amplifier switches on and off.

Solution

- *Check chassis ground connection with amplifier cable and check battery terminal connections and check remote turn-on voltage.*

For additional questions please contact your authorized Audiopipe dealer.

PRODUCT SPECIFICATIONS

APMN-4080

RMS @ 4 Ohm (<1% DISTORTION)	4 x 78W
RMS @ 2 Ohm (<1% DISTORTION)	4 x 117W
Maximum Power Output	2 x 250W
Frequency Response	50Hz ~ 1.2kHz
Signal Noise Ratio	>80dB
Input Sensitivity Level	0.2 ~ 6V
LPF	50 ~ 500Hz
HPF	50 ~ 1.2kHz
Current Draw	60A
Minimum Load	2 Ohm
Components & PCB	Double Side Board
Dimension (W x H x D)	211 x 55 x 160mm

APMN-4095

RMS @ 4 Ohm (<1% DISTORTION)	4 x 100W
RMS @ 2 Ohm (<1% DISTORTION)	4 x 130W
Maximum Power Output	2 x 250W
Frequency Response	50Hz ~ 1.2kHz
Signal Noise Ratio	>80dB
Input Sensitivity Level	0.2 ~ 6V
LPF	50 ~ 500Hz
HPF	50 ~ 1.2kHz
Current Draw	78A
Minimum Load	2 Ohm
Components & PCB	Double Side Board
Dimension (W x H x D)	241 x 55 x 160mm

APMN-55105

RMS @ 4 Ohm (<1% DISTORTION)	4 x 66 + 225W
RMS @ 2 Ohm (<1% DISTORTION)	4 x 98 + 338W
Maximum Power Output	4 x 98 + 441W
Frequency Response	30Hz ~ 1.2kHz
Signal Noise Ratio	>80dB
Input Sensitivity Level	0.2 ~ 5V
LPF	50 ~ 500Hz
HPF	50 ~ 1.2kHz
Current Draw	90A
Minimum Load	2 Ohm
Components & PCB	Double Side Board
Dimension (W x H x D)	300 x 55 x 160mm