

NEMESIS AUDIO

HIGH PERFORMANCE AMPLIFIER

NA-BZ200X4D

OWNER'S MANUAL

Please read carefully before using

INTRODUCTION

Congratulations and thank you for purchasing NA-BZ Series Audio amplifiers, the logical choice in mobile audio amplification. Your amplifiers have been designed and engineered with the highest quality components and top of the line workmanship to help you reach the superior sound you are after.
To achieve optimal performance of your system, please take a few moments to read over this Owner's manual or visit authorized dealer if needed before starting your installation.

FEATURES

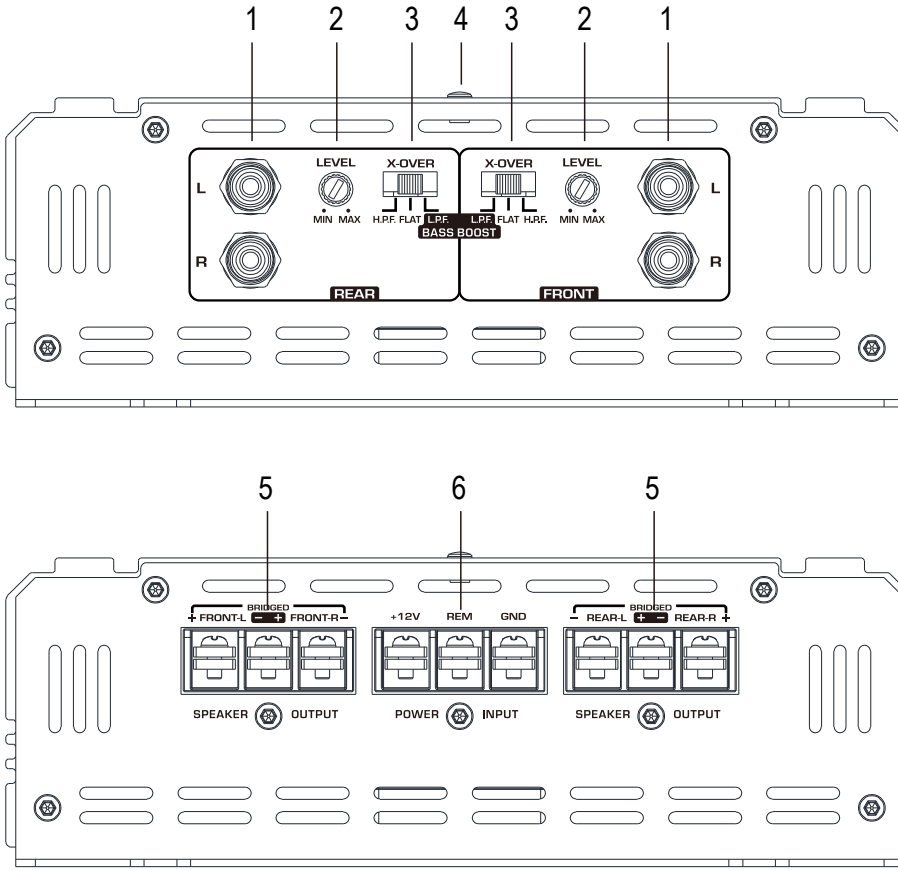
1. Classic D-class double-sided SMD circuit design, with excellent performance and stable operation.
2. Fixed high pass/low-pass filter design, with a built-in 12DB bass boost function in the low frequency range. Can meet the needs of different usage scenarios.
3. Complete protection circuit, built-in short circuit protection, overheating protection, overvoltage protection circuit.

SPECIFICATIONS

Model	NA-BZ200X4D
RMS power @ 4 ohm	4x140W
RMS power @ 2 ohm	4x230W
RMS power @ 1 ohm	NA
RMS power @ 4 ohm mono	2x460W
Working impedance	2 ohm stable
Input Sensitivity	0.2V-12V
High Pass Filter	90Hz
Low Pass Filter	90Hz
Subsonic Filter	NA
Bass Boost	12dB
Frequency Response	20Hz-20KHz
Signal to Noise Ratio	>85dB
THD @ 4ohm	<0.4%
Working Voltage	9V-16V
Fuse Rating	60A
Dimensions(L inches)	6.69
7.28(W)x2.32(H)	

ALL features are subject to change in the continuing effort to improve the products without notice

AMPLIFIER FUNCTIONS



1. RCA audio input

These RCA audio inputs connect with your radio RCA outputs. Please use high quality RCA cables. Keep these cables as short as possible. Avoid and keep away electrical cables from other current carrying cables in the car. If your radio has only speaker output, you must use a HIGH LOW LEVEL adaptor.

2. LEVEL

Used to reach maximum amplifier power by matching the output voltage within a wide variety of head units found in the market.

3. X-OVER

Used to set and control your preference on the crossover, it can be set to HPF for high pass filter, LPF for low pass filter and FULL if you are using an external crossover.

4. Power/ Protect

Power indicator: Used to indicate the unit is on and you can resume normal operation.
Power on: Blue light.
Protect indicator: If the red light turns on, this will indicate the unit has entered protection mode.

5. Speaker connection

Never let the speaker wire touch any metal or grounded chassis. This may destroy your amplifier. Check that your speakers are connected correctly which means plus to plus and minus to minus. We recommend speaker cable from 2.25mm to up. The connection ways are shown in the attachment.

6. +12V

Battery + terminal. The +12 Volt power cable must be connected with a fuse in line near the battery + terminal. Please see the table of cable and fuse selection.

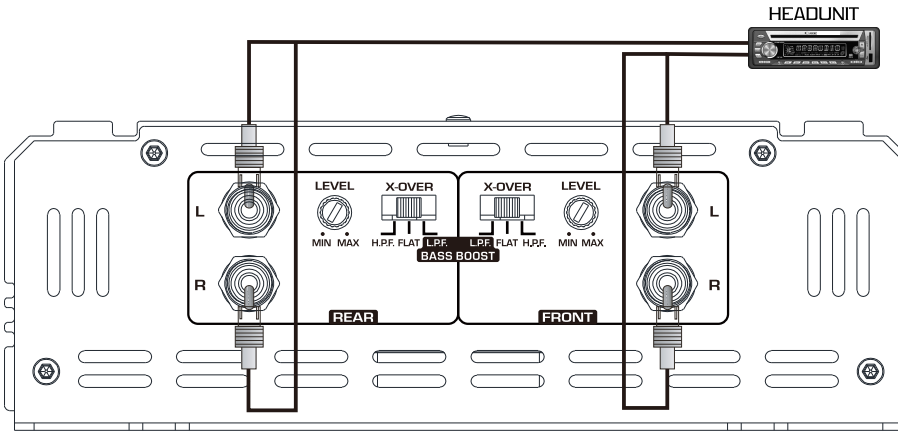
REM

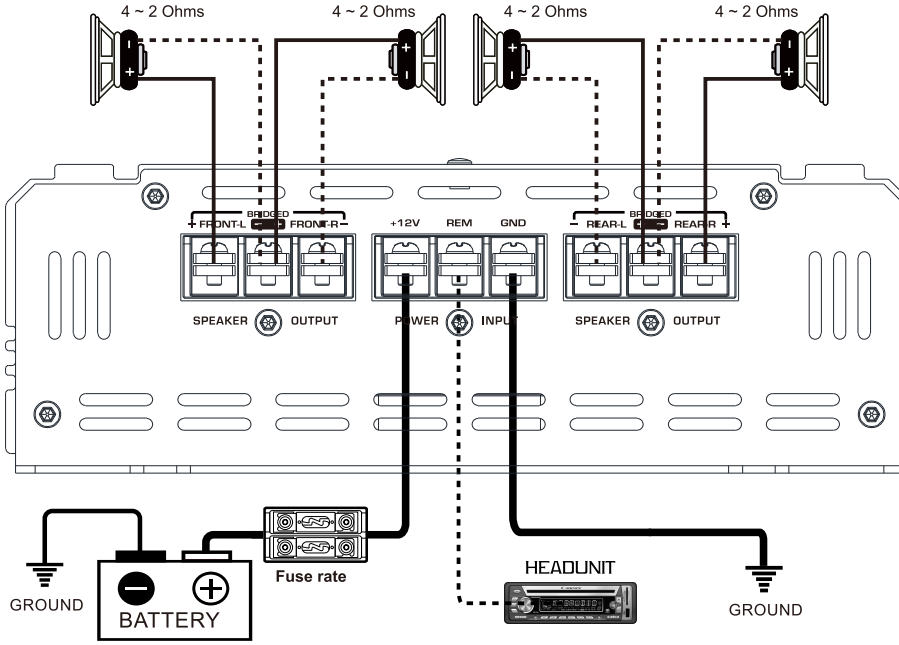
Remote terminal. The remote cable must be connected with the radio remote terminal so that the amplifier will switch on and off automatically with the radio. If there are two or more amplifiers installed together, it might be necessary to add an additional relay. Please consult your dealer.

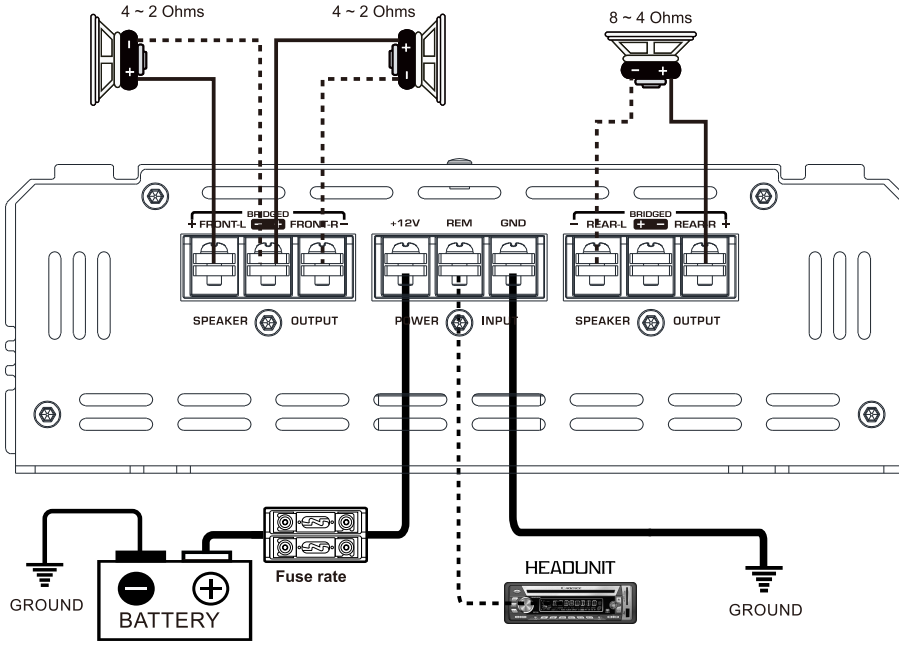
GND

Chassis ground terminal. The chasses ground cable must be connected to bolt directly contacting the chassis or directly to the chassis.

WIRING CONFIGURATION




4 ~ 2 Ohms
4 ~ 2 Ohms
4 ~ 2 Ohms
4 ~ 2 Ohms
BRIDGED
FRONT-L
FRONT-R
+12V
REM
GND
BRIDGED
REAR-L
REAR-R
SPEAKER
OUTPUT
POWER
INPUT
SPEAKER
OUTPUT
GROUND
BATTERY
Fuse rate
HEADUNIT
GROUND


4 ~ 2 Ohms
4 ~ 2 Ohms
8 ~ 4 Ohms
BRIDGED
FRONT-L
FRONT-R
+12V
REM
GND
BRIDGED
REAR-L
REAR-R
SPEAKER
OUTPUT
POWER
INPUT
SPEAKER
OUTPUT
GROUND
BATTERY
Fuse rate
HEADUNIT
GROUND

TROUBLE SHOOTINGS

- NA-BZ series audio amplifiers have protection features to prevent any damages from misuse or faulty conditions.
- NA-BZ series audio amplifiers sense excessive heat, short circuited speakers DC, or voltage the protection indicator will light, and the system will be turned off.
- In order to check the problem, you should turn all levels down and all power off and carefully check the installation for wiring mistakes or short.
- If NA-BZ series audio amplifiers shuts down due to excessive heat, They will be working later when it is cooled down
- Before removing your amplifier, refer to the list below and follow the suggested procedures.

NO SOUND (NO OUTPUT)

- Please check all connections, cable's rounting, short & voltage.
- Please check the fuses , If they are blown, please replace with new one.
- Please check whether speakers work well, you can test speakers by connecting to another amplifier

DISTORTION & NOISE

- Readjust input level and check the speaker quality at another amplifier. Replace poor quality speakers with good quality ones.
- Check amplifiers and head unit's ground contact. all grounds should be common.
- Check RCA Jack, then replace with new one or reroute RCA Jack.
- Engine noise is caused by poor grounding of amplifiers, head unit, other components, battery or alternator, so please check all grounding connection.

POOR BASS RESPONSE

- Please check speaker cables and reverse polarity.



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