

Shop: \_\_\_\_\_  
Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Invoice: \_\_\_\_\_ Date: \_\_\_\_\_ Phone: \_\_\_\_\_

Name: \_\_\_\_\_

**REGISTRATION DATA**

Warning: Continuous expose to sound pressure levels over 85db may cause permanent hearing loss.

After the warranty expires, Banda Audioparts will continue to provide extensive technical assistance directly or through its network of authorized service, charging, however, the repair services and replacement of components

**Note: Permanent Technical Support**

Banda Audioparts reserves the right to change the product and its specifications at any time without prior notice.

Rua Manoel Joaquim Filho, 353 - Jd. Santa Terezinha II - Paulínia - SP - Brazil  
 CEP: 13148-115

The defective equipment must be shipped to the factory or to an authorized service center.

**This warranty does not cover shipping costs.**

1. Damage resulting from misuse, abuse, accident, alterations or improper installation;
2. Damage resulting from installation in surfaces subjected to high levels of vibration;
3. Corrective work necessitated by repairs made by anyone other than a Banda Audioparts authorized service technician;

**Warranty Exclusions:**

Within the period of this warranty, Banda Audioparts will repair or replace, free of charge, any part proving defective in material or workmanship.

Banda Audioparts warrants this equipment to be free of all defects in material and workmanship for a period of 12 months from the date of purchase.

**WARRANTY**

www.bandaudioparts.com

Made in Brazil 

400.4

BANDA  
AUDIO PARTS

USER MANUAL

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**TECHNICAL SPECIFICATION**

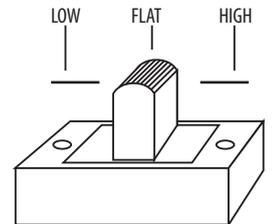
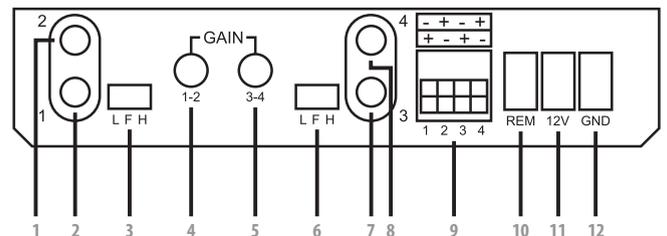
- Operation topology: Class D
- Selectable active crossover
- Linkwitz-Riley 12dB/octave:
  - Low Pass: 25Hz - 80Hz
  - High Pass: 80Hz - 21kHz
  - Band Pass (flat)
- Frequency response: 25Hz - 21kHz
- THD < 0.05%
- SNR > 86dB
- Damping factor > 42
- Input sensitivity 0.1 - 1Vrms
- Input impedance 39kohms
- Current draw at full power (average music program): 19.5A \*
- Output:
  - 4 channels (100Wrms 2ohms/14.4Vdc) or
  - 3 channels (2 x 100Wrms 2ohms + 1 x 200Wrms 4ohms/14.4Vdc) or
  - 2 channels (200Wrms 4ohms/14.4Vdc)
- Dimensions: 6.69"x1.57"x4.72"
- Weight: 1.65lb

\*Equivalent to current measured with resistive load and sinusoidal signal at half power.

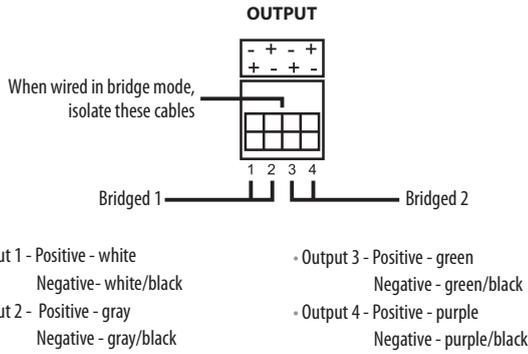
\*\*These values are typical and may present some minor variation.

**ACTIVE CROSSOVER**

- 12dB/octave selectable active crossover
- Low Pass: 25Hz - 80Hz
- High Pass: 80Hz - 21kHz
- Band Pass - 25Hz - 21kHz

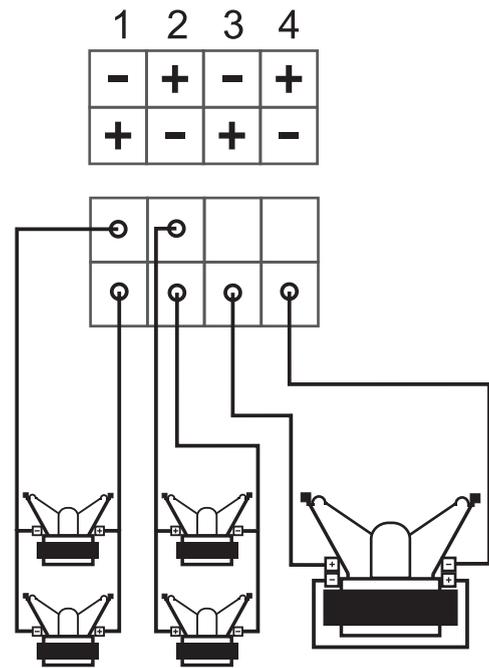
**TECHNICAL SPECIFICATION****FRONT PANEL**

- |                                   |                        |
|-----------------------------------|------------------------|
| 1. RCA input channel 2            | 7. RCA input channel 3 |
| 2. RCA input channel 1            | 8. RCA input channel 4 |
| 3. Crossover switch channel 1 / 2 | 9. Outputs             |
| 4. Gain control channel 1 / 2     | 10. Remote             |
| 5. Gain control channel 3 / 4     | 11. 12Vdc              |
| 6. Crossover switch channel 3 / 4 | 12. Ground             |

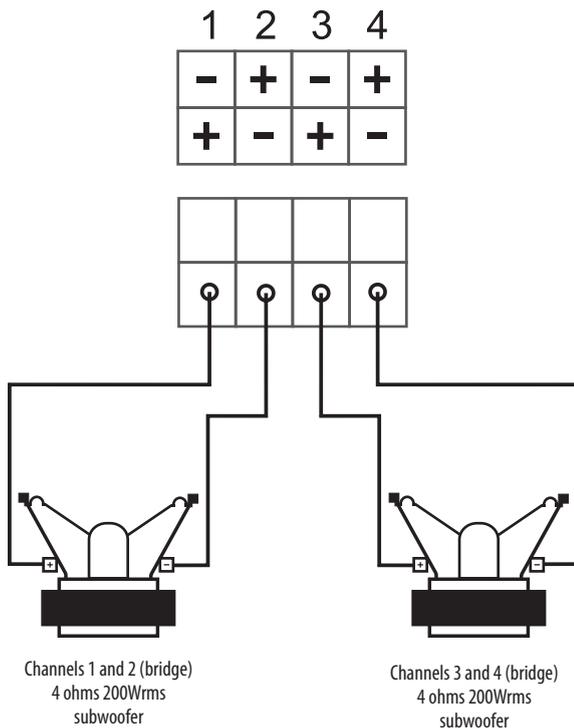


**Important notes:**

- Use 8AWG power cables for both GND and +12Vdc.
- Do not use impedance load lower than the amplifier specification. This can damage the equipment.
- The GND connection must be as short as possible, using adequate wire terminal firmly connected to a clean, paint free spot at the car chassis.
- If more than one amplifier is used, provide adequate individual wiring for each one.
- When the internal fuse blow, the red LED will light up.
- There is no current consumption when the remote input is off.
- If using power supply to power the amplifier, it must be capable of supply between 12.6 – 14.4Vdc with at least the amplifier maximum current value and maximum output variation (Vripple) of 10%.



Channels 3 and 4 (bridge)  
2+2 ohms 200Wrms  
subwoofer, coils wired in  
series, resulting in  
200Wrms@4 ohms



**Output short circuit protection:**

Shuts the amplifier off and lights up the red LED.

**Power Supply Inverted Cable Protection:**

If the power supply cables are connected inverted, the internal fuse will blow.

**Troubleshooting:**

**Protection triggered**

1. Check if the amplifier temperature is too high. If so, wait the amplifier to cool down.
2. Check if the internal fuse is blown. If so, replace it with a same current rate fuse (30A)
3. Check if there is short circuit in the output terminals. To do it, turn off the amplifier, disconnect all speakers and the input RCA cable and wait about 20 seconds. Turn the amplifier again and if the blue LED lights up, the amplifier is operating normally.
4. Check if any speaker is presenting short circuit or the total impedance load is lower than the amplifier specification.
5. Check if there is enough current in battery to supply the amplifier and if the cables are capable of conduct that current.

**Output Noise**

1. Check if there is loose connection in signal input or in the RCA cable.
2. Check if there is ground connection in the radio/cd RCA output.
3. Check if RCA cables are wired separated from the power cables.
4. Check if the +12Vdc that powers the amplifier is coming directly from the battery.
5. Check if ground cable is connected in car chassis as near as possible of the amplifier.
6. Both radio/cd and amplifier must be firmly connected to car chassis ground to avoid noises and voltage fluctuations at amplifier output.