TECHNICAL SPECIFICATION

- Operation topology: Class D
- 12db/octave variable active Linkwitz-Riley crossover: 13Hz - 2kHz
- Frequency response: 13Hz - 2kHz (filter ON)
- Frequency response: 13Hz - 3kHz (filter OFF)
- Variable subsonic filter: 13Hz - 120Hz (filter ON)
- Fuse: MIDIVAL 125A (x 6) + 60A (x 1)
- Clip indicator
- THD < 0.5%
- SNR > 82dB
- Damping factor > 10
- Input sensitivity: 160mVRMS – 6VRMS
- Differential input signal impedance: 17kOhms
- Cooling fans
- Idle Current: 5.3A
- Dimensions: 29.6"L x 2.5"H x 10.1"W
- Weight: 29.8lb

These values are typical and may present some minor variation.

*Equivalant to current draw with resistive load and sinusoidal signal at half power.

Front panel view

1. Blue LED: • On
2. Red LED: • Blinking - Output distorted (Clip) / Constant - Output short circuit
3. Yellow LED: •Fblinking - Low voltage battery / Constant - Fuse blown or missing)
4. Gain Control

Linkwitz-Riley filter activeted by switch

Switch ON: Filter enable (Linkwitz-Riley 12dB/8ª)
Switch OFF: Filter desable

OBS.: To access the filter switch remove the plastic cover under the amplifier.
The factory default filter position is ON.

Made in Brazil
www.bandaaudioparts.com

WARRANTY

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

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

Warranty Exclusions:

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;

This warranty does not cover shipping costs.

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

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

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

Note:Permanent Technical Support

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

Warning: Continuous expose to sound pressure levels over 85dB may cause permenent hearing loss.

REGISTRATION DATA

Name: _____

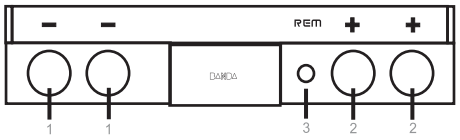
Invoice: _____ Date: _____ Phone: _____

Address: _____

Shop: _____ Phone: _____

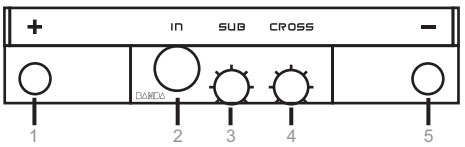
COSTUMER SERVICE:
55 (19) 3844-7173 - (19) 3844-7465 - (19) 3844-4923 •
BANDA@BANDAAUDIOPARTS.COM

Power supply section



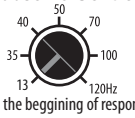
1. Negative power input (ground): connect to car chassis.
2. Positive power input (+12Vdc): connect to baterry positive terminal.
3. Remote input: connect to radio/cd remote output.

Signal input and power output section.



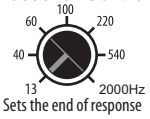
1. Positive speaker output
2. Signal input (RCA)
3. Subsonic control
4. Crossover control
5. Negative speaker output

Subsonic Control



Sets the beggining of response

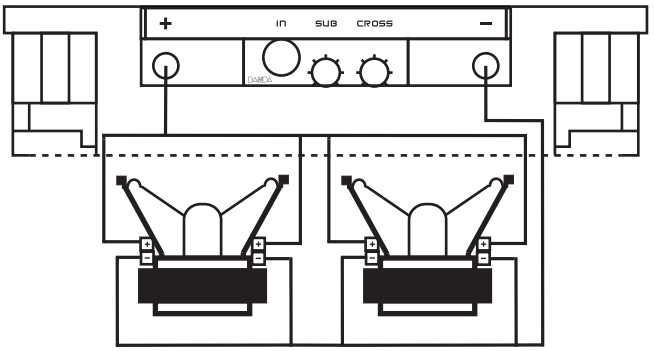
Crossover Control



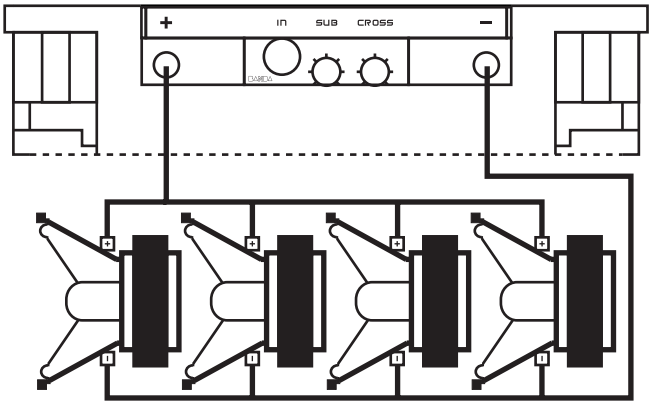
Sets the end of response

CLIP INDICATOR

The red LED lights up when the amplifier output is showing more than 5% THD. As long as the speakers used are capable of handle the total output power this LED can eventually blink but if it holds still it means too much distortion in the output and this can damage the speakers and the amplifier. In this case, turn down the head unit volume.

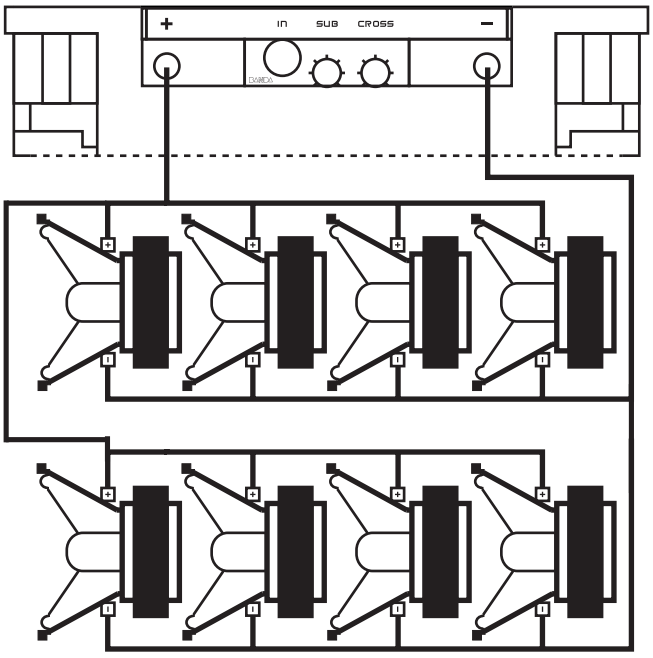


4+4ohms 7500Wrms subwoofer x 2 wired in parallel



4ohms 3750Wrms woofer x 4 wired in parallel

NOTE: These are basic projects, just given as examples.



8 ohms 1875Wrms woofer x 8 wired in parallel

NOTE: These are basic projects, just given as examples.

Short Circuit protection:

If short circuit is detected in output terminals, the amplifier shuts down an the red LED lights up. The equipment must be turned off, solve the short circuit problem and turn the equipment on again. If the problem is solved, the blue LED must light up. If the load impedance is lower than the amplifier specification, the equipment may trigger the short circuit protection.

Low Voltage Protection:

When battery voltage is lower than 9Vdc, the amplifier will shut down and the yellow LED will blink until the equipment is restarted.

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 internal fuse is blown. If so, replace it with a same current rate fuse (125A x 6)
2. 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.
3. Check if any speaker is presenting short circuit or the total impedance load is lower than the amplifier specification.
4. 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.

Important Notes:

- Use 2 x 0 AWG power cables for both GND and +12Vdc.
- Do not use impedance load lower than the amplifier specification. This can damage the equipment.
- Use wire solder for tinning the cable end for better electrical contact. Loose electrical connection can cause malfunction, heating and even fire
- 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.