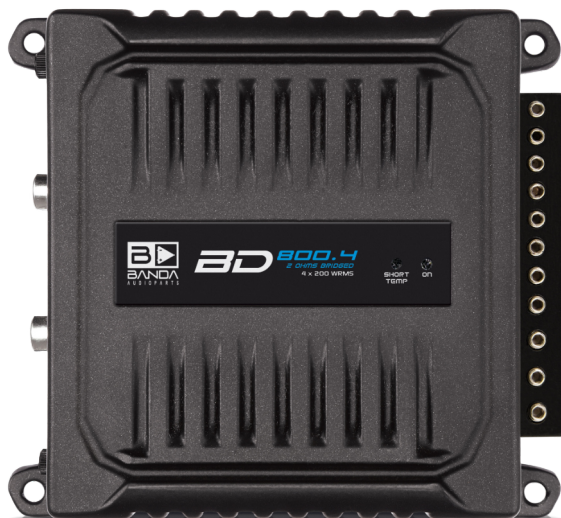


INSTRUCTION MANUAL

BD **800.4**



Read before using

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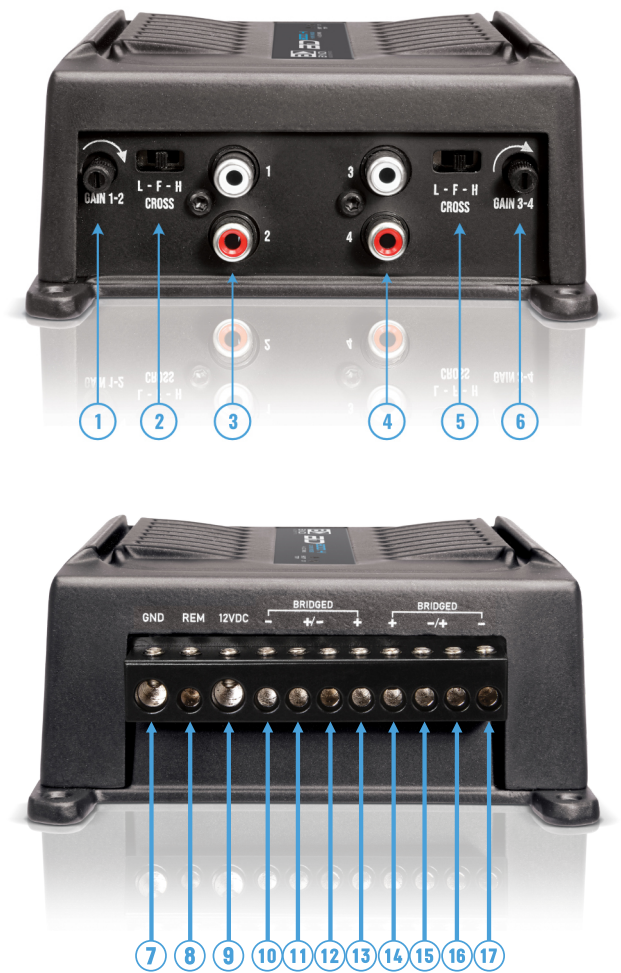
INTRODUCTION

- Congratulations! You have just purchased a product with Banda Audioparts quality. Developed by qualified engineers and in a high-tech laboratory.

To ensure optimal operation, please read this manual carefully before using the product. Keep the manual in a safe and accessible place for future reference.

DESCRIPTION

FRONT PANEL



DESCRIPTION

INFORMATION

- 1

GAIN CONTROL (CHANNELS 1-2)
- 2

CROSSOVER SWITCH (CHANNELS 1-2)
- 3

RCA INPUT (CHANNEL 1-2)
- 4

RCA INPUT (CHANNEL 3-4)
- 5

CROSSOVER SWITCH (CHANNELS 3-4)
- 6

GAIN CONTROL (CHANNELS 3-4)
- 7

GND INPUT
CONNECT TO THE VEHICLE CHASSIS (GROUND)
- 8

DRIVE INPUT 12VDC (+)
CONNECT ANTENNA TO ELECTRICITY (REMOTE)
- 9

12VDC POSITIVE INPUT
- 17

CHANNEL 1
NEGATIVE (CHANNEL 1)
- 16

POSITIVE (CHANNEL 1)
- 15

CHANNEL 2
NEGATIVE (CHANNEL 2)
- 14

POSITIVE (CHANNEL 2)
- 13

CHANNEL 3
POSITIVE (CHANNEL 3)
- 12

NEGATIVE (CHANNEL 3)
- 11

CHANNEL 4
POSITIVE (CHANNEL 4)
- 10

NEGATIVE (CHANNEL 4)

LEDS

- **BLUE (ON):** On
- **RED (SHORT):** Protection
 - Short at output (check speakers)
 - Temperature above limit

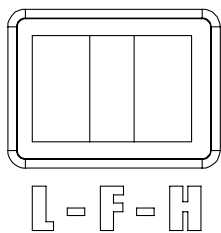


DESCRIPTION

CROSSOVER SWITCH



CROSSOVER SWITCH

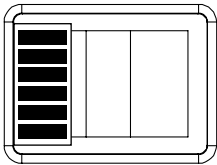


Allows you to adjust the Crossover using the selector switch in the **LOW (L)**, **FLAT (F)** and **HIGH (H)** positions. This function, when selected in the LOW position, leaves the device only adjustable for a lower frequency (20Hz - 90Hz @ 12dB/8° Linkwitz-Riley).

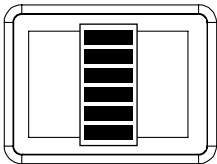
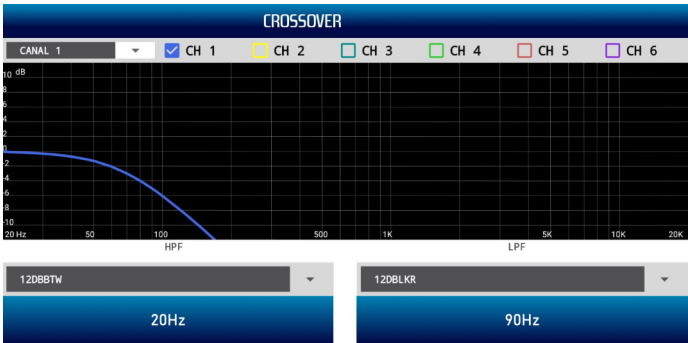
When positioned in **FLAT**, the device responds in FULL RANGE (20Hz - 20kHz @ -3dBs). And when positioned at **HIGH**, it allows adjustment only at high frequencies (90Hz - 20kHz @ 12dB/8° Linkwitz-Riley).

DESCRIPTION

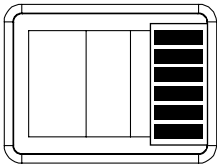
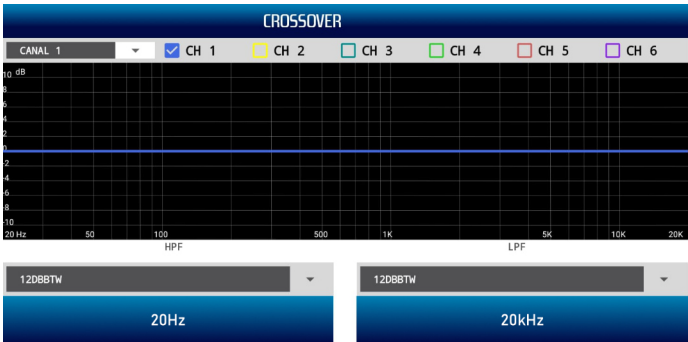
CROSSOVER SWITCH



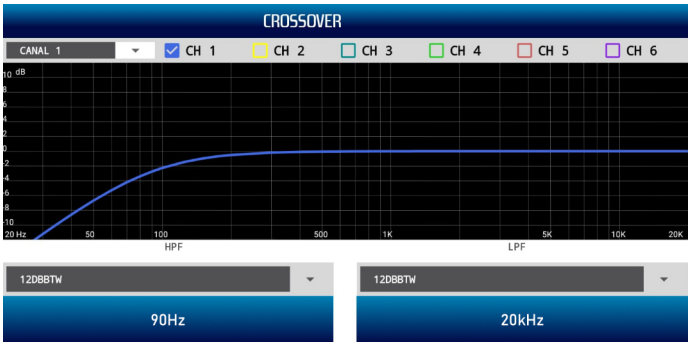
L - F - H



L - F - H



L - F - H

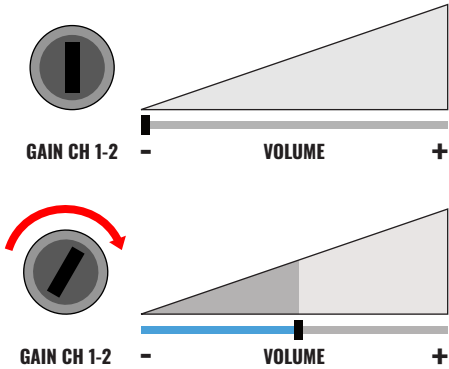


DESCRIPTION

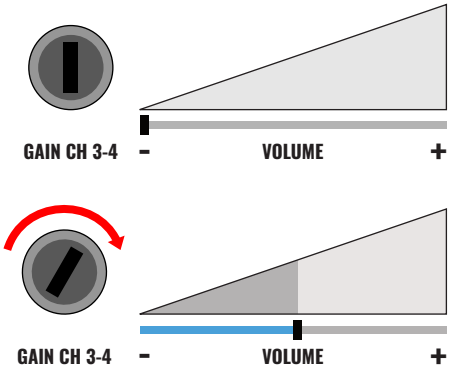
GAIN CONTROL



GAIN CONTROL (CHANNELS 1-2)

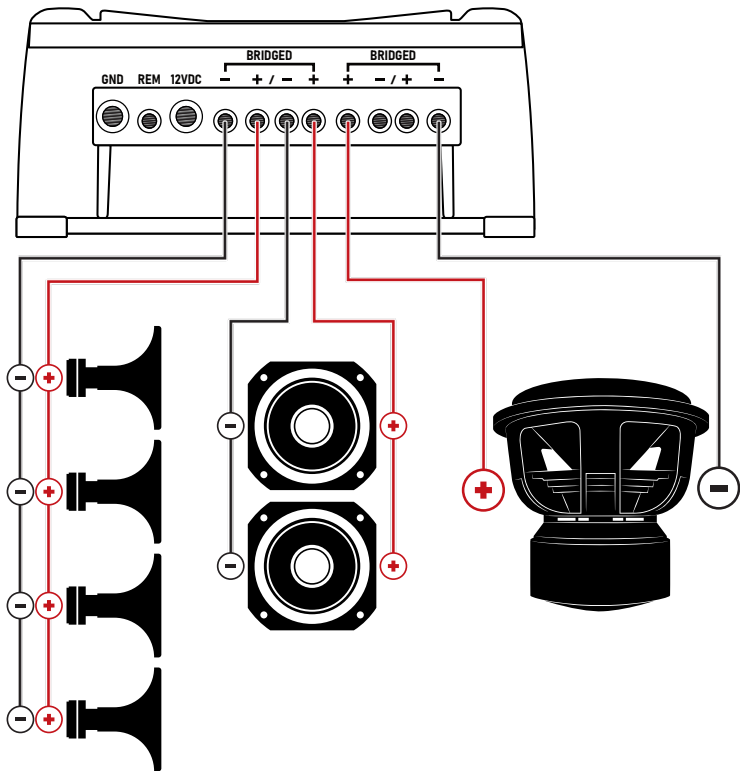


GAIN CONTROL (CHANNELS 3-4)



DESCRIPTION

CONNECTION EXAMPLES (BD 800.4 @ 1 OHM)



CHANNEL 4

Up to 4 Drivers and Tweeters 50Wrms
4 ohms each in parallel resulting in 1 ohm

CHANNEL 3

2 Mid-Bass 100Wrms 4 Ohms in
parallel resulting in 1 ohm

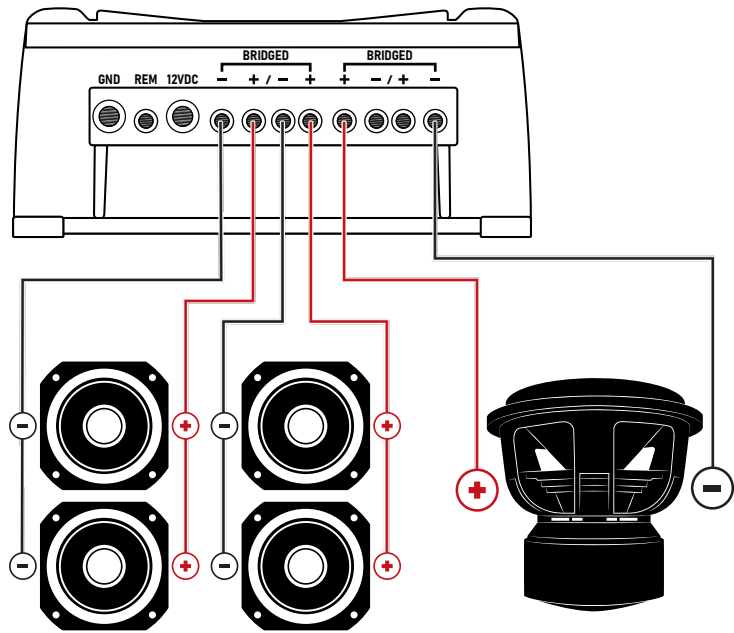
BRIDGED CHANNELS 1 AND 2

Subwoofer or Woofer
400Wrms 2 Ohms
Single Coil 2 Ohms
Or Double Coil 4+4 Ohms connected in
parallel



DESCRIPTION

CONNECTION EXAMPLES (BD 800.4 @ 1 OHM)



MANDATORY USE OF Y CABLE FOR ALL BRIDGE CONNECTIONS

CHANNEL 4

2 Speakers 100Wrms 2 Ohms in parallel resulting in 1 ohm

CHANNEL 3

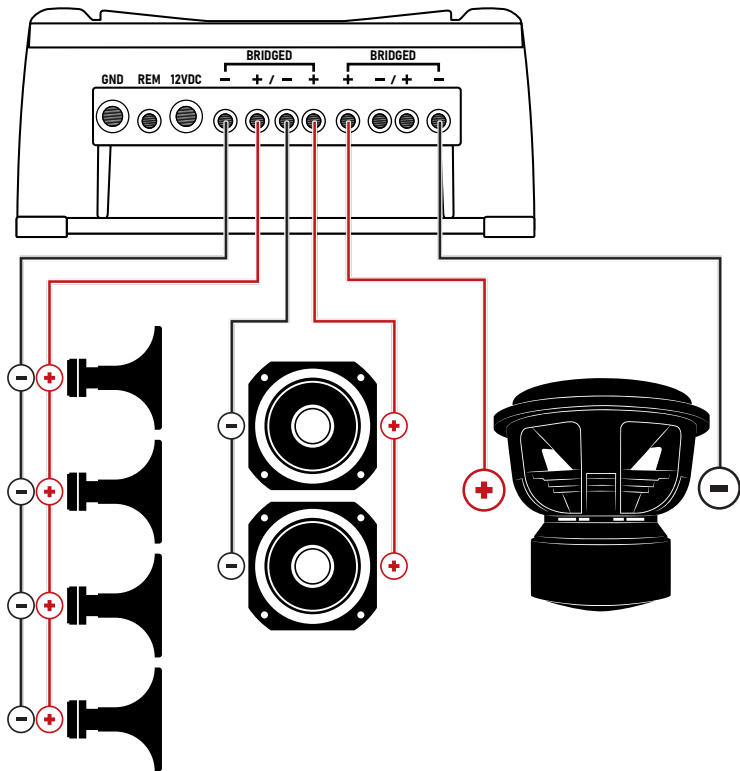
2 Speakers 100Wrms 2 Ohms in parallel resulting in 1 ohm

BRIDGED CHANNELS 1 AND 2

Subwoofer 400Wrms 2 Ohms
Single Coil 2 Ohms
Or Double Coil 4+4 Ohms connected in parallel

DESCRIPTION

CONNECTION EXAMPLES (BD 800.4 @ 2 OHMS)



CHANNEL 4

Up to 4 Drivers and Tweeters 50Wrms
8 ohms each in parallel resulting in 2
ohms

CHANNEL 3

2 Mid-Bass 100Wrms 4 Ohms in
parallel resulting in 2 ohms

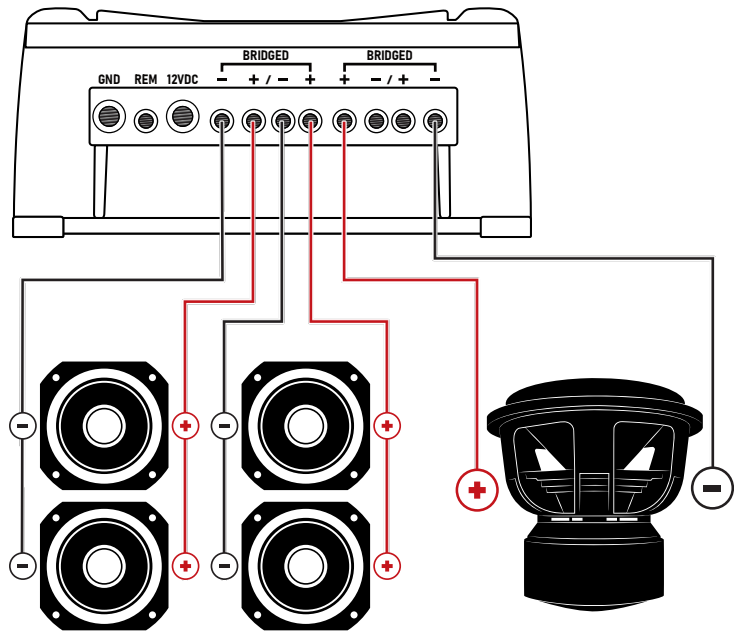
BRIDGED CHANNELS 1 AND 2

Subwoofer or Woofer
400Wrms 4 Ohms
Single Coil 4 Ohms
Or Double Coil 2+2 Ohms (COILS
CONNECTED IN SERIES)



DESCRIPTION

CONNECTION EXAMPLES (BD 800.4 @ 2 OHMS)



MANDATORY USE OF Y CABLE FOR ALL BRIDGE CONNECTIONS

CHANNEL 4

2 Speakers 100Wrms 4 Ohms in parallel resulting in 2 ohms

CHANNEL 3

2 Speakers 100Wrms 4 Ohms in parallel resulting in 2 ohms

BRIDGED CHANNELS 1 AND 2

Subwoofer 400Wrms 4 Ohms
Single Coil 4 Ohms
Or Double Coil 2+2 Ohms (COILS CONNECTED IN SERIES)

TECHNICAL SPECIFICATIONS

PARAMETERS	BD800.4 @ 1 OHM	BD800.4 @ 2 OHMS
Maximum Power 14.4v @ 1 Ohm	4 x 230 WRMS	-
Maximum Power 14.4v @ 2 Ohms	4 x 150 WRMS	4 x 230 WRMS
Maximum Power 14.4v @ 4 Ohms	-	4 x 150 WRMS
Maximum Power 14.4v Bridged @ 2 Ohms	2 x 460 WRMS	-
Maximum Power 14.4v Bridged @ 4 Ohms	-	2 x 460 WRMS
Maximum Power 12.6v @ 1 Ohm	4 x 200 WRMS	-
Maximum Power 12.6v @ 2 Ohms	4 x 120 WRMS	4 x 200 WRMS
Maximum Power 12.6v @ 4 Ohms	-	4 x 120 WRMS
Maximum Power 12.6v Bridged @ 4 Ohms	-	2 x 400 WRMS
Efficiency @ 8 Ohms	-	-
Efficiency @ 4 Ohms	-	82%
Efficiency @ 2 Ohms	78%	
Efficiency @ 1 Ohm	72%	-
Input Voltage	9 - 16V	
Input Impedance	47K Ohms	
THD maximum power	1%	
Input Sensitivity	250mV - 3.4V	
Signal to Noise Ratio	85dB	
Frequency Response (FLAT Switch)	20Hz - 20Khz (-3dBs)	



TECHNICAL SPECIFICATIONS

PARAMETERS	BD800.4 @ 1 OHM	BD800.4 @ 2 OHMS
HPF (Subsonic)	90Hz - 20kHz @ 12dB/oitava Linkwitz-Riley	
LPF (Crossover)	20Hz - 90Hz @ 12dB/oitava Linkwitz-Riley	
Recommended Fuse	50A	
Rest Current	700mA	
Maximum Current (sine signal)	80A	
Maximum Current (musical signal)	40A	
Power Cables (min. recommended)	10mm	
Output Cables (min. recommended)	2 x 1,5mm / 2 x 15 AWG	
Weight (Kg)	0,82	
Height (mm)	127	
Width (mm)	116	
Depth (mm)	53	

WARRANTY TERMS

Warranty valid for 12 months (one year), starting from the date of purchase, if purchased from an authorized Banda Audioparts dealer. Will be covered by warranty components and/or parts comproved that shows failures in process manufacture or damaged components.

Warranty don't cover:

- 1. Equipment, parts or components previously altered by unauthorized people.
- 2. Damages caused by accidents (fall, crash, etc) or natural disasters (overflow, burning, etc).
- 3. Improper instalation (improper wiring, abuse, installation out of specifications).
- 4. Shipping costs

In case needed any repair, contact the dealer for warranty instructions.

ADDRESS:

Banda Audioparts
Rua Sofia Atauri Fadin, 256
Neighborhood: Santa Terezinha II
Paulínia - SP
Brazil
Zip Code: 13148-142

NOTE: If out of warranty, repair costs (if needed) will be charged from client.

Phone: 55 (19) 3844-7173
e-mail: banda@bandaaudioparts.com.br

Banda Audioparts reserved rights to alter characteristics of the product without previously advice.

WARRANTY REGISTRATION:

Name:.....

Register:..... Date:..... Phone:.....

Address:.....

Dealer:..... Phone:.....



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