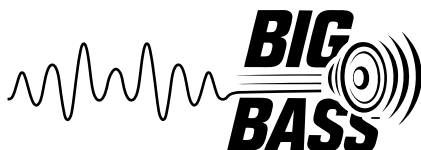


Instruction manual



The installation of this product must be carried out by a qualified professional.

Index

- 01 • Introduction
 - Apresentation
 - Package contents
- 02 • Safety requirements
 - Important recommendations
 - Safety
- 03 • Overview of BIG BASS
- 04 • Internal configuration
 - Connection of inputs outputs
 - Quick installation
- 06 • Technical specifications
- 07 • Warranty terms
 - Technical assistance

Introduction

Congratulations on purchasing a Taramps product.

Developed in a modern laboratory, with the latest technology and highly qualified professionals.

This manual explains all the features, operations, and guidelines to address any questions that may arise during installation. Set aside some time to read it carefully to ensure proper installation and to make full use of all the benefits this product offers.

If you still have any questions after reading this manual, please contact our technical support at the phone number **18-3266-4050** or through our website www.taramps.com.br.

Presentation

The **Big Bass** is a bass processor designed to restore and enhance bass in automotive systems.

It comes with 1 controller (BIG BASS REMOTE CONTROL), which allows you to conveniently adjust the bass right in the palm of your hand.

More impact, quality, and power in your car's sound system.

Operating principle

During the recording and audio mixing process, low frequencies may be lost. This can also be done intentionally, since some equipment is not capable of reproducing low frequencies without compromising the audio quality. The Big Bass feature was designed to restore these low frequencies based on the harmonic frequencies present in the original recording.



Package contents

- 1 BIG BASS
- 1 BIG BASS REMOTE CONTROL
- RJ 11 EXTENSION CABLE

Safety requirements

- To ensure proper use, read this manual before using your processor. It is important that you are aware of the **PRECAUTIONS** contained herein.
- The installation of this device must be carried out by a qualified professional.
- Use proper tools to install this device.
- This device must be installed with a 12V battery. Always check the voltage before installation.
- This device must be installed in a stable location and away from heat sources.
- Never install in locations exposed to dust, moisture, or water. Be sure to install it away from the fuel lines, heat sources, and other parts of the vehicle.
- Make sure to install a protective fuse or circuit breaker near the battery. Follow the amperage indicated in this manual. Using an incorrect fuse or circuit breaker may result in overheating, smoke, product damage, injury, or burns.
- Avoid running wires over or through sharp edges. Use rubber or plastic grommets to protect any wires routed through the vehicle's body.
- The car audio system can produce high sound pressure levels. Avoid continuous exposure to levels above 85 dB to prevent permanent hearing loss.

Important recommendations

The recommended wire gauge is 1.5mm² for the positive / negative wires and 0.50mm² for the remote wire.

As protection, a fuse (1A) must be installed near the positive terminal of the battery. See more details on page 05 of this manual.

- 1 - ● Power ground: Connect to the negative terminal of the battery.
- 2 - Remote input: Connect to the remote output of the CD/DVD Player
- 3 - Output remote: For triggering the amplifiers
- 4 - ● Power positive: Connect to the positive terminal of the battery (12V).

Safety

Throughout this manual, pay attention to the safety symbols.



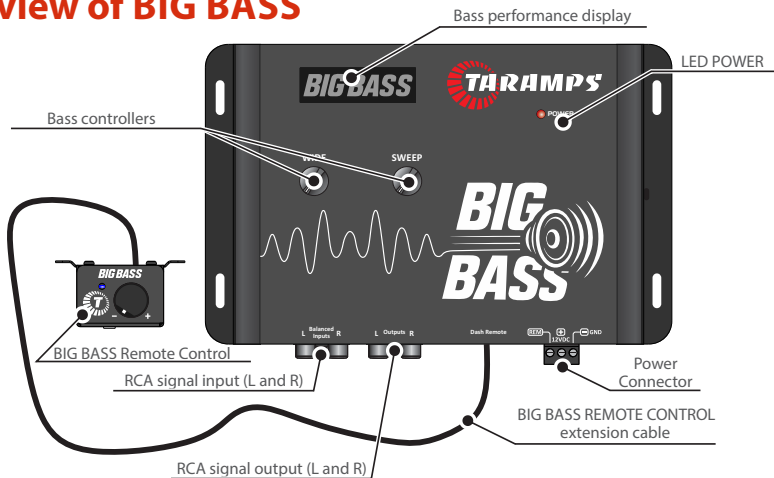
CAUTION

This symbol as **"CAUTION"** is intended to alert the user to important instructions. Failure to follow the instructions may result in risks to the user or damage to the product.



Taramps reserves the right to modify the contents of this manual without prior notice and without any obligation to apply such modifications to units previously manufactured.

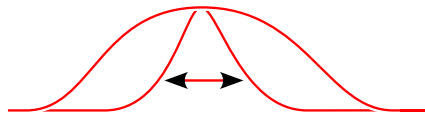
Overview of BIG BASS



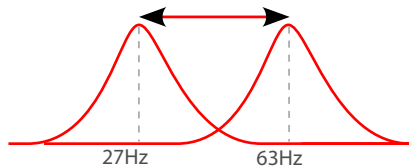
Bass level display: Flash according to the bass.

Bass filter control:

Wide - Adjusts the frequency range amplitude in which the BIG BASS will operate.



Sweep - Allows you to select the center frequency at which the BIG BASS will operate.



LED power: Indicates that the product is on.

Power connector:

REM – Remote IN
+12VDC (Positive)
-GND (Negative)

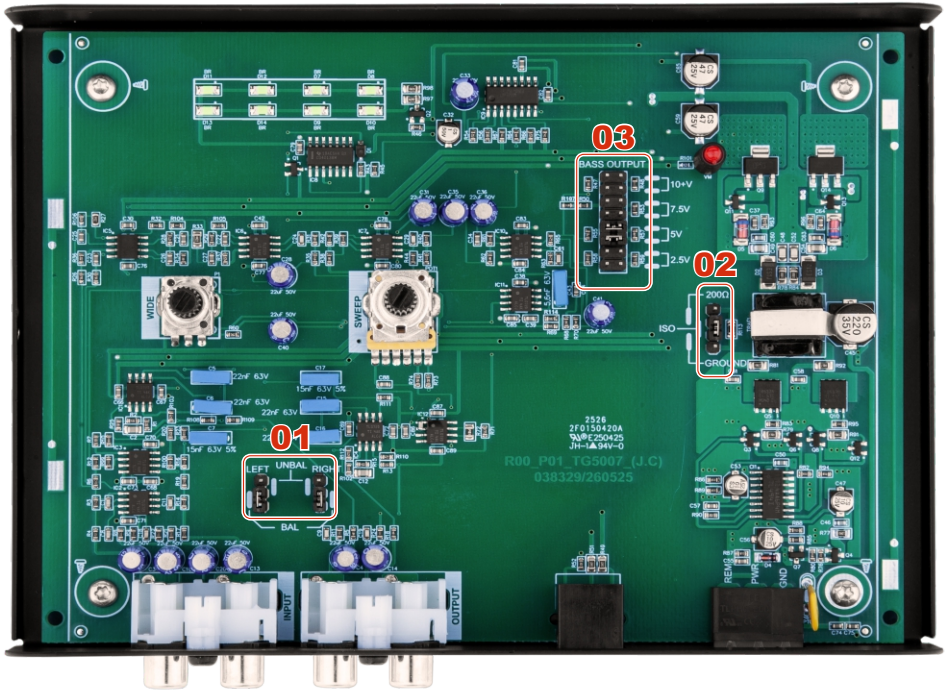
Extension cable: 6 meter cable that connects the BIG BASS to the BIG BASS REMOTE CONTROL.

BIG BASS Remote control: Bass adjustment control.

RCA signal input: Low level / high impedance input (RCA).

RCA signal output: Restored signal output.

Internal Configuration



Unbal/ Bal Allows the user to choose between Balanced or Unbalanced input
Factory default Balanced

Grounding: The grounding jumper allows you to choose the best grounding option for your sound system:

ISO: Isolated processor ground

GROUND: Power supply negative with the processor ground

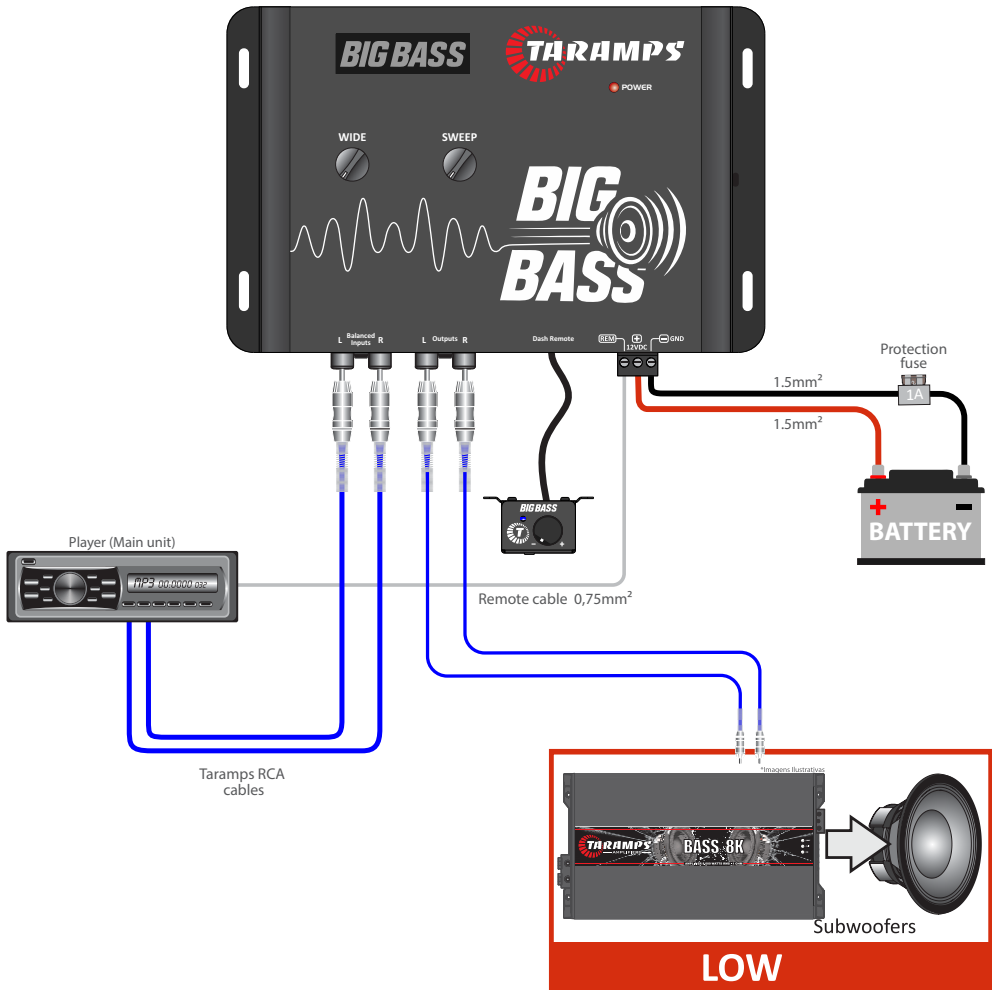
200Ω: 200 OHMS resistor between the chassis and the processor ground.

ISO factory default.

Bass output: The Bass Output circuit can increase or decrease the signal voltage of the bass restoration circuit through configuration jumpers. The output voltage can range from 2.5V to 10V.

Factory Default 5V

Input and output connections



Quick installation

1. Install the BIG BASS between the player and the amplifier.

Note: If your sound system has an audio processor, install the BIG BASS before it. Check the input sensitivity of your processor. Some models are limited to 2V RMS.

2. Turn down the amplifier's bass controls before installation.

3. Use speakers and amplifiers suitable for bass and sub-bass response.

4. Connect +12V power, ground, and remote wire.

CAUTION Check the power supply polarity and the recommended wire gauge. We recommend installing a 1 amp fuse on the positive power supply line.

Technical specifications

-Maximum input level:	15 Vrms
- Maximum output level:	13.5 Vp
- Frequency response:	30Hz - 40KHz (+/-1dB)
- Total harmonic distortion:	0,003%
- Signal to Noise/Ratio:	-130 dB
- Common mode rejection ratio:	>60dB
- Imput impedance:	10 kΩ
- Output impedance:	150 Ω
- Power supply:	9V ~15V
- Power consumption:	330 mA
- Dimensions (WxHxD):	202 x 42 x 136mm
- Weight:	0,70 kg

Warranty terms

TARAMPS, located at Júlio Budisk highway, SN, KM 30 – Alfredo Marcondes, SP - Brazil, ZIP CODE 19180-000, warrants this product against any defects on terms of project, making, assembling, and/or with solidarity, due to project vices which cause it improper or inadequate to its original use within 12 months from the date of purchase. In case of defect during the warranty period, TARAMPS responsibility is limited to the repairing or replacement of the device of its own making.

This warranty excludes:

- Damaged products by improper installation, water infiltration, violation by unauthorized individuals;
- Tamper or torn warranty seal;
- Cases in which the product is not used in adequate conditions;
- Defects caused by accessories, modifications or features attached to the product;
- The product with damage from falling, bumps or nature related problems (flooding, lightning, etc);
- Warranty card is not properly filled or torn;
- Costs involving uninstallation, reinstallation of equipment as well the shipment to the factory;
- Damage of any kind, due to problems in the product, as well as losses caused by discontinued use of the product.

Technical support

For international support, check on our website:

www.taramps.com.br/en/rede-de-assistencias-tecnicas or contact direct the factory support:

Phones: +55 18 3266-4050 / +55 18 99749-3391

E-mail: service@taramps.com.br

Declaration of conformity

Declaration of conformity	
	TARAMPS ELECTRONICS LTDA Alfredo Marcondes - SP Brasil
It is hereby declared that the BIG BASS product is in conformity with directive 2014/30/EU, in accordance with the following technical standard.	
-EN 50498:2010	Electromagnetic compatibility (EMC) - Product family standard for aftermarket electronic equipment in vehicles
The full text of the EU declaration of conformity is available on the product page on the website.	



At the end of its service life, this product must not be disposed of with household waste. Please take it to an electronic equipment collection or recycling center for proper disposal



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Manufactured by:
TARAMPS ELECTRONICS LTDA
Tax ID: 11.273.485/0001-03
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Alfredo Marcondes - SP
Made in Brazil
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