

Instruction manual

T 4.400

ProAudio



PROFESSIONAL AMPLIFIER

4 x 100W RMS



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

www.taramps.com.br

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Term of warranty

TARAMPS, located on Abilio Daguano Street 274, Res. Manoel Martins – Alfredo Marcondes, SP - Brazil, ZIP CODE 19180-000, guarantees 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 substitution 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 as 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 assistance

For international support, check on our website:

www.taramps.com.br/en/rede-de-assistencias-tecnicas or [contact direct the factory support:](mailto:service@taramps.com.br)

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

E-mail: service@taramps.com.br

Introduction

Congratulations on your purchase of a Taramps product.

It was developed in a modern laboratory and with the latest technology.

This manual covers all features, operations and instructions to solve any doubt that may arise during the installation. Please take some time to read it carefully in order to ensure the proper installation and the use of all benefits that this product can offer.

For questions, please call +55 (18) 3266-4050, e-mail support@taramps.com.br or visit www.taramps.com.br.

Safety requirements

-To ensure proper use, please read through this manual before using the amplifier. It is specially important that you know the **CAUTIONS** contained here.

- The installation of this amplifier must be done by a qualified professional.

- This amplifier must be installed in a firm place with at least 1" space around the heatsink for proper heat spreading.

- Never install the amplifier in places exposed to dust, humidity, water or heat sources.

- Do not open. This product is not user serviceable.

- Don't block and not insert objects into the amplifier's ventilation openings.

- Avoid to drop this amplifier, risk of damage.

- When in use, the top surface of the amplifier becomes hot. Avoid contact and keep the amplifier out of the reach of children.

- Unplug this apparatus during lightning storms or when unused for long periods of time.

- This amplifier can produce high sound pressure levels. Avoid continuous exposure to levels above 85dB to prevent hearing damage.

- Speaker output connections may have voltage levels when the amplifier is operating. Make sure the amplifier is OFF before proceeding with any connections or disconnections at these terminals.

- If you want to dispose of this amplifier, please do not throw it in household waste. It must be collected by a used electronics disposal service for proper recycling.

Safety

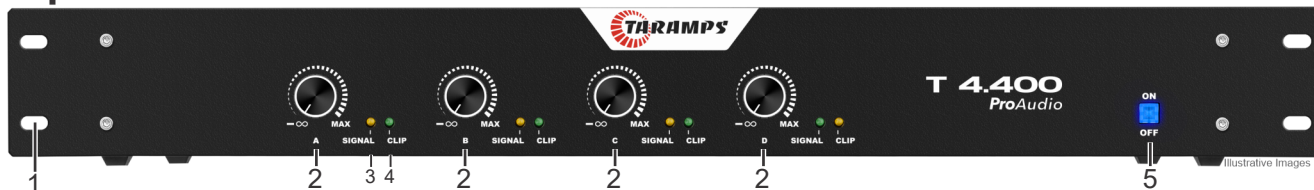
As you read this manual, pay attention to the safety symbols.

CAUTION

This symbol with "CAUTION" is intended to alert the user to the presence of important instructions. Failure to heed the instructions will result in risk of injury to user or product damage.

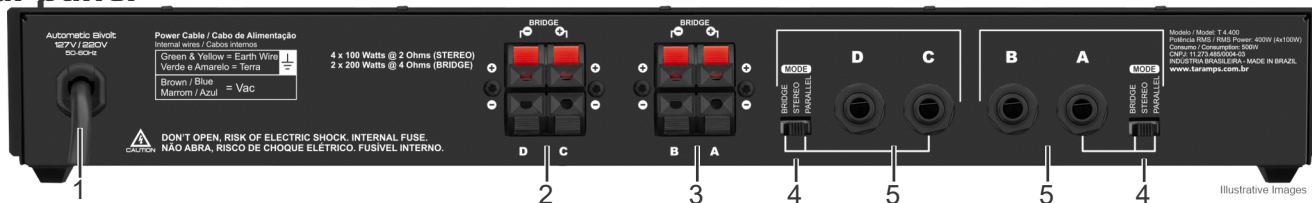
Front panel

ENGLISH



- 1 - 19" RACK MOUNT HOLE:** Use these holes to fix the T 4.400 on the rack.
- 2 - VOLUME:** Volume adjustment of the selected channel (A, B, C or D).
- 3 - SIGNAL LED:** Indicates the existence of an audio signal at the input of the channel in use on the amplifier (A, B, C or D).
- 4 - CLIP LED:** Flashing according to the song, it indicates that the amplifier is operating at the distortion threshold of the channel in use (A, B, C or D).
- 5 - ON / OFF SWITCH:** Turns amplifier power on and off.

Rear panel



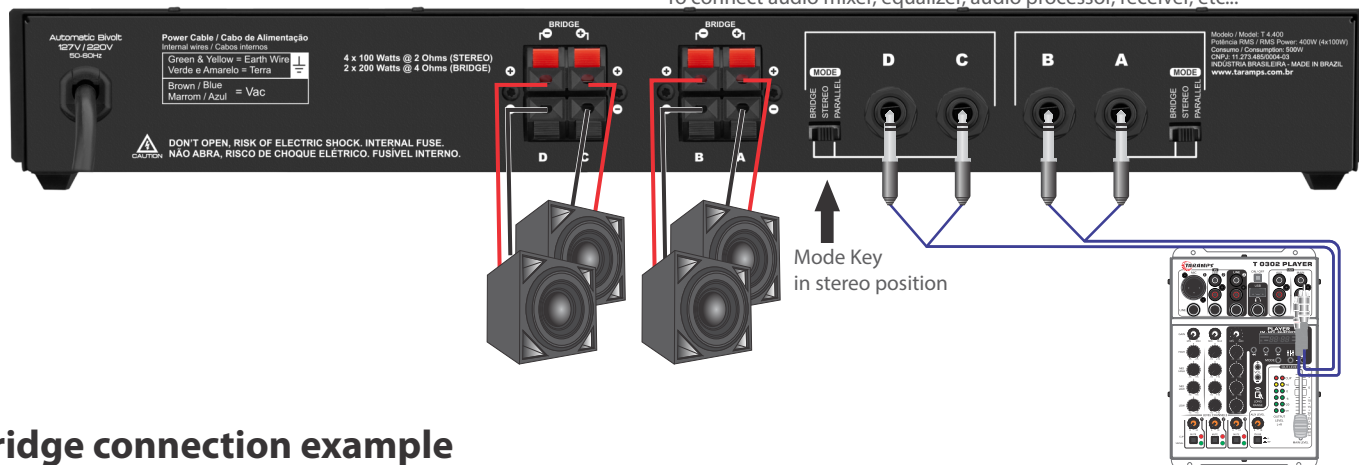
- 1 - AC POWER INPUT:** Connect the cable to the AC mains. This product operates with 120V AC or 240V AC (automatic dual voltage).
- 2 - OUT C / D:** Channel C and D power output for speakers. Follow the indicated polarity and recommended minimum impedance.
- 3 - OUT A / B:** Channel A and B power output for speakers. Follow the indicated polarity and recommended minimum impedance.
- 4 - MODE KEY:** Selects the type of connection to be used (Bridge, stereo or parallel).
- 5 - INPUT:** Audio inputs (unbalanced) 1/4" input.

Stereo connection example

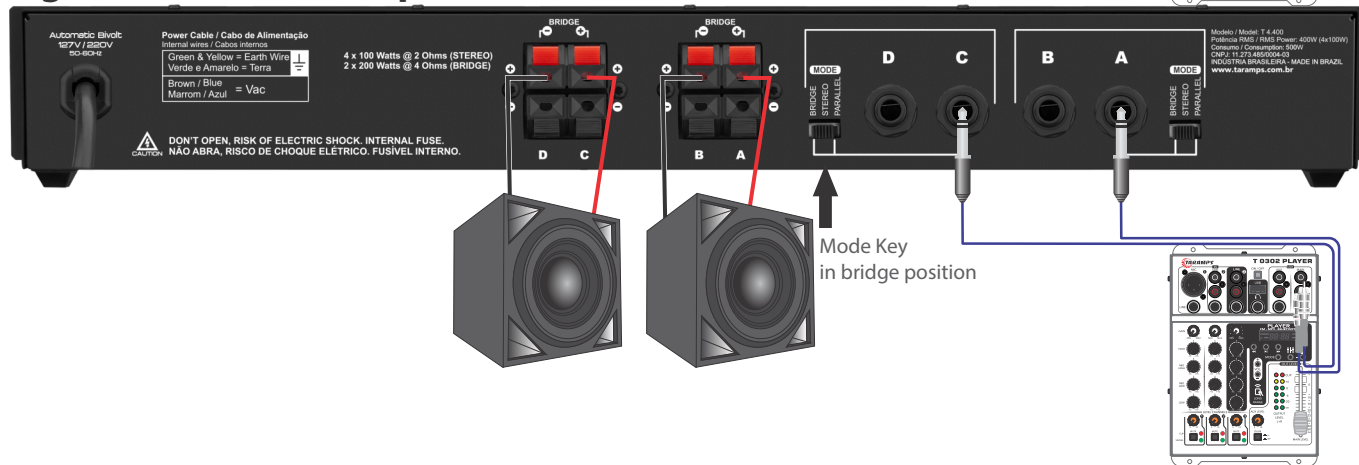
1/4" signal inputs:

To connect audio mixer, equalizer, audio processor, receiver, etc...

ENGLISH

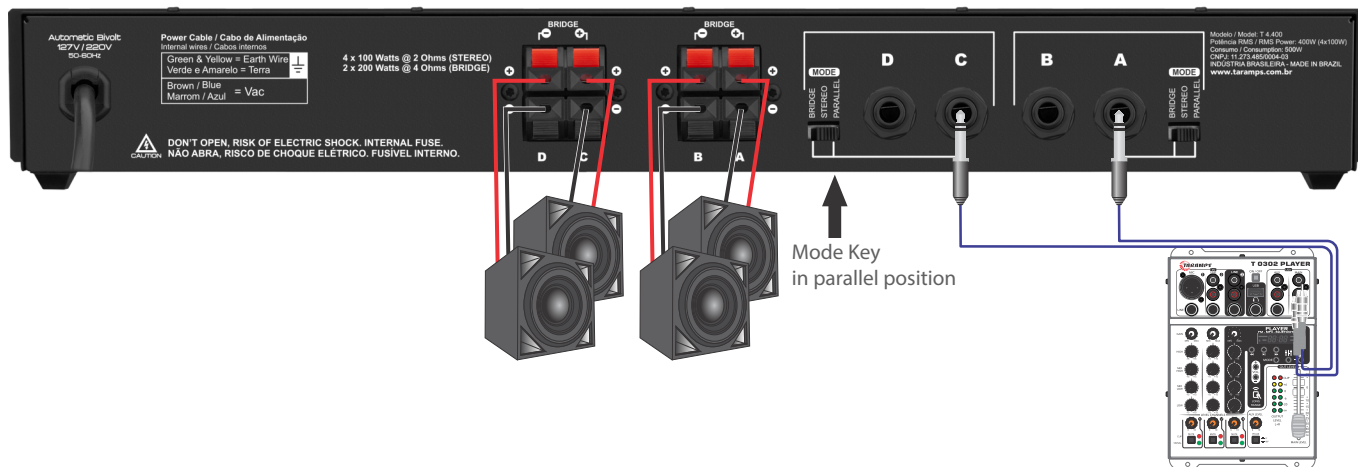


Bridge connection example



Parallel connection example

ENGLISH



Mode: Bridge / Parallel

ATTENTION: If the connection is bridge or parallel, it is mandatory that the audio signal enters the A/C inputs as per the connection examples above. Use the MODE switch to change the desired modes. The front panel volume will be the same as the signal input (A/C).

⚠ CAUTION

Due to the presence of voltage at the output terminals when the product is on, avoid contact with them. Risk of electric shock. Connect signals with amplifier volumes at minimum. Connect the output cables only with the product off.

Connection to the AC mains

The wall power outlet must withstand the amplifier's maximum current draw.

Technical features

Minimum Output Impedance:	2 Ohms Stereo / 4 Ohms bridge
Number of Channels:	04
Maximum power:	400W RMS (4 x 100W RMS) or (2 x 200W RMS) IEC 60268-3*
Input sensitivity:	775mV (0dBm)
Input Impedance:	10K Ohms unbalanced
Signal-to-Noise Ratio:	>100dB
Frequency Response**:	4Hz ~ 30KHz -3dB 2Ω Stereo 19Hz ~ 80KHz -3dB 4Ω Stereo 4Hz ~ 30KHz -3dB 4Ω Bridge 4Hz ~ 80KHz -3dB 8Ω Bridge
Crosstalk:	>63dB
THD+N:	<0,06%
Stand-by consumption:	3,5W
Maximum consumption:	500W
Supply voltage:	127/220 VAC (Automatic bivolt)
Fuse	6A
Protection	Short circuits outputs and low impedance
Dimensions (W x H x D):	482 x 55 x 168mm (18.98" x 2.17" x 6.61")
Weight:	2,43Kg (5.35lb)


*Nominal power with 1KHz sinusoidal signal and 4 Ohms resistive load. (Measured according to IEC 60268-3 Sound Equipment, Part 3: Amplifiers).

**Frequency response measured at twice the minimum impedance.



Taramps reserves the right to modify the contents of this document at any time without prior notice and does not have the obligation to apply the changes in units which were previously produced.



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