

Instruction manual



TEQ7.4 
GRAPHIC EQUALIZER



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

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Term of warranty

TARAMPS, located at Julio 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 assistance

For international support, check on our website:

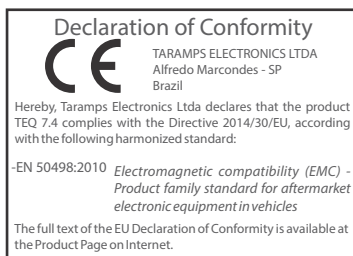
www.taramps.com.br/en/rede-de-assistencias-tecnicas or contact direct the factory support:

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

E-mail: service@taramps.com.br

Introduction

Read this manual before installing the product. In case of questions, contact our technical support: **+55 (18) 3266-4050** or **www.taramps.com.br**.



At the end of its lifespan, this product must not be disposed of in household waste. Look for an electronic equipment collection or recycling center for proper disposal.

Safety requirements

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

- The installation of this product must be done by a qualified professional.
- Use the correct tools for installing this product.
- This product is for use with 12V batteries. Always check the voltage before installing.
- Never install the product in places exposed to dust, humidity and water. Pay attention to install it far from fuel tank, fuel lines, heat sources and other parts of vehicle.
- Be sure to install protection fuse or a circuit breaker near to battery. Follow the ampere rating as indicated here in this manual.
- Avoid running wires over or through sharp edges. Use rubber or plastic grommets to protect any wires routed through car's body.
- Automotive sound systems may produce high sound pressure levels. Avoid continuous exposure to levels over 85dB to prevent permanent hearing loss.

Safety

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



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.



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.

Presentation

TEQ 7.4 is a compact 7-band stereo equalizer for 12V systems.

- Seven equalization bands (50 Hz, 125 Hz, 315 Hz, 750 Hz, 2.2 KHz, 6 KHz and 12 KHz), with adjustable gain from -12 dB to +12 dB.
- 2 RCA STEREO inputs: MAIN and AUX.
- 3 RCA STEREO outputs: FRONT, REAR and SUB.
- Frequency response from 6 Hz to 55 KHz -1 dB, signal-to-noise ratio >100 dB.

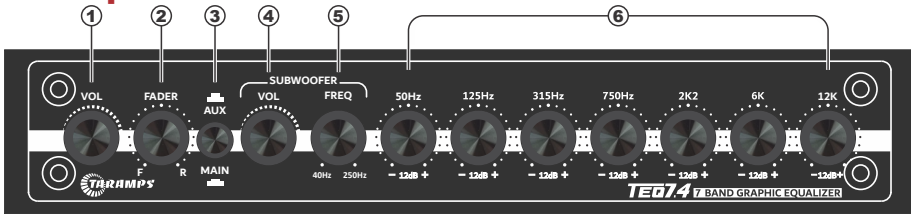
Important recommendations

TEQ 7.4 must be fixed in an easily accessible and ventilated location. It is not recommended to install the product on the sides of speakers, as excessive vibrations can damage their internal components.

To avoid noise capture, use shielded signal cables and good quality connectors.

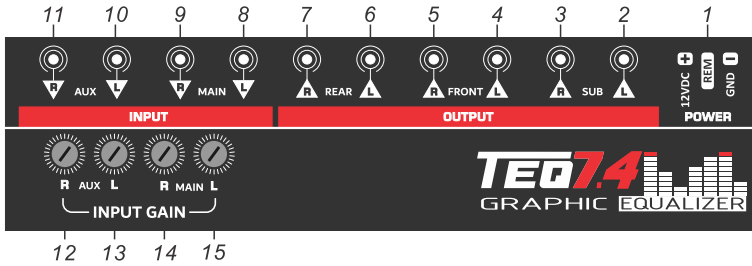
Functions & controls

Front panel



- 1- Volume:** Controls the signal level at the output.
- 2- Fader:** Distributes audio between Front and Rear channels.
- 3- Aux / Main:** Switches between Aux or Main signal inputs.
- 4- Subwoofer VOL.:** Adjusts the volume for the Subwoofer output.
- 5- Subwoofer Frequency:** Adjusts the LPF cutoff frequency to 40 Hz ~ 250 Hz.
- 6- Gain controls:** Adjusts the gain of each frequency from -12dB ~ +12dB.

Top commands



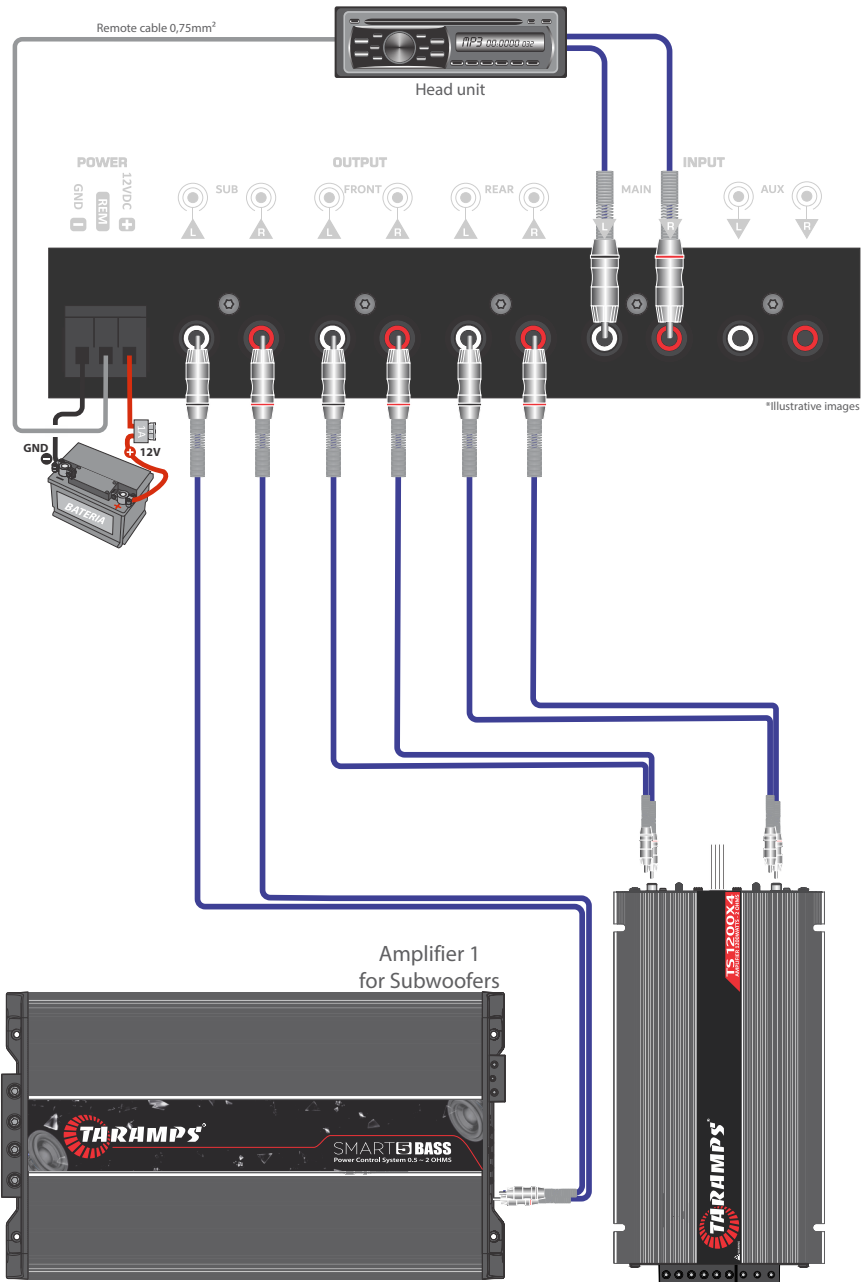
1- Power Connector: The recommended wiring gauge is 0.75mm².
GND - Power Negative (Connect to the negative pole of the battery).
REM - Remote input (Connect the remote output of the head unit).
12VDC - Positive Power Supply (Connect to the positive pole of the 12V battery).

- 2- Channel L:** Left output for the SUB
- 3- Channel R:** Right output for the SUB
- 4- Channel L:** Front left output
- 5- Channel R:** Front right output
- 6- Channel L:** Rear left output
- 7- Channel R:** Rear right output
- 8- Channel L:** Main left channel input (head unit)
- 9- Channel R:** Main right channel input (head unit)
- 10- Input L:** Left input of the auxiliary track
- 11- Input R:** Right input of the auxiliary track
- 12- Right gain adjust for aux input**
- 13- Left gain adjust for aux input**
- 14- Right gain adjust for main input (head unit)**
- 15- Left gain adjust for main input (head unit)**

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

Installation

Connection example 1 TEQ 7.4



Amplifier 2 for Front and Rear

Technical features

Input & Outputs

Number of input channels (Aux / Main):.....2 stereo

Number of output channels (Front / Rear / Subwoofer):.....3 stereo

Main gain adjustment:.....-13 ~ +8 dB

Aux gain adjustment:.....-13 ~ +8 dB

Input impedance:.....10K Ohms

Output impedance:.....100 Ohms

Maximum input level:.....28.28Vpp (10 VRMS)*

Maximum output level:.....28.28Vpp (10 VRMS)*

Frequency response (-1dB):.....6 Hz ~ 55 KHz

Total harmonic distortion:.....0,01%

Signal/Noise Ratio:.....>100 dB

Crosstalk (separation between channels):.....>80dB / 1 KHz

Graphic equalizer, 7 bands

Frequencies:.....50, 125, 315, 750, 2.2K, 6K, 12 KHz

Attenuation / Gain:.....-12 dB ~+12 dB

Q-Factor:.....1,414

Supply Voltage:.....9 ~ 15 VDC

Nominal consumption (14.4V):.....0.270 A

Dimensions (WxHxD):.....185x31x138mm (7.28"x1.22"x5.43")

Weight:.....0.68Kg(1.50lb)

* Measured at 1 Khz with the product powered by 14.4 VDC.



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