

Instruction manual



T 0202 USB AUDIO INTERFACE



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Warranty Terms

TARAMPS, located at Julio Budisk Highway, SN, KM 30 – 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:

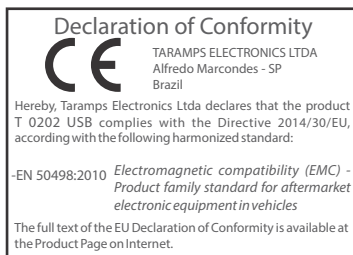
www.taramps.com.br/en/rede-de-assistencias-tecnicas or contact direct the factory support:

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, read this manual before using your T 0202 USB Audio Interface mixer. It is important that you are aware of the **CAUTIONS** listed here.

- This device must be powered with 5V (USB).
- This device should be installed on a stable surface and kept away from heat sources.
- Never install it in areas exposed to dust, moisture, or water.

Overview

The **T 0202 USB** Interface Mixer was designed as an audio interface, allowing a mix of input signals with signals that can be transmitted via USB-B with high fidelity, preserving the natural dynamics of sound.

It features 2 input channels, 1 and 2, balanced, each with two shared connections: one XLR and one 1/4" (P10) jack. The XLR input provides Phantom Power, and channel 1 also shares a 3.5mm (P2) input for 5V condenser microphones. These inputs offer high sensitivity and wide gain range, enabling the use of both microphones and line-level (LINE IN) sources.

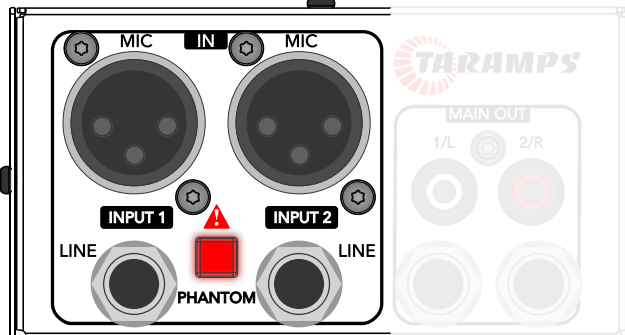
- Level control for output.
- The two outputs offer wide amplitude, delivering up to 3Vrms of distortion-free signal.
- Automatically enters Standby mode when there is no USB communication, so there's no need to disconnect the mixer when the computer is turned off.
- Comes with a total of **42 variable lighting effects**, creating a unique visual experience for the user.

Package contents

- 1 T 0202 USB Mixer
- 1 USB-B Cable

Connections

IN - Inputs



Balanced XLR (Cannon) input connectors. These inputs support Phantom Power when the Phantom function is activated.

Balanced 1/4" (P10) input connectors.

Note: These inputs DO NOT support Phantom Power.

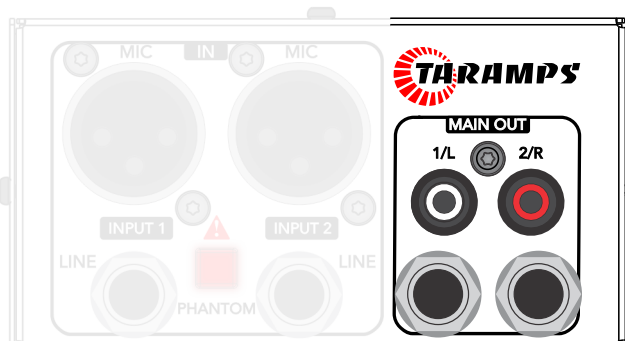
Phantom Power: Press and hold the Phantom button for 4 seconds to activate it. The button will light up red and the RGB LEDs will blink red for 8 seconds, indicating that Phantom Power is being turned on. To deactivate it, repeat the process—this time, the RGB LEDs will blink green for 8 seconds, indicating it is being turned off.

During the activation or deactivation process, the interface will temporarily disconnect from the computer and mute the outputs to prevent noise that could damage connected equipment.

Note

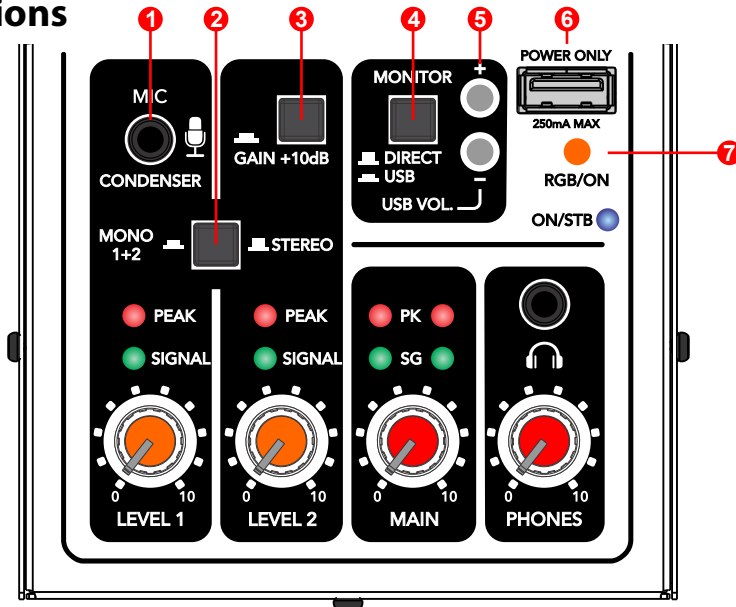
- Phantom Power supplies voltage only to the XLR inputs on channels 1 and 2.
- Make sure the microphone is connected before turning on Phantom Power.
- Do not disconnect the XLR cable while Phantom Power is active.

OUT - Outputs



Main Out: Features an RCA connector in parallel with a P10 (1/4") connector.

Functions



1 – Condenser Mic Input: This input supports 5V condenser microphones and 3.5mm (P2) headset microphones. Signal level is controlled using Level 1.

2 – Mono/Stereo:

In **STEREO** mode: INPUT 1 is routed to Output 1/L, and INPUT 2 to Output 2/R.

In **MONO** mode: INPUT 1 and INPUT 2 are summed and sent equally to both L and R outputs.

3 – +10dB Gain: Adds an extra +10dB of gain to Channel 2 only.

4 – Monitor (DIRECT/USB): Allows monitoring of audio being sent to and from the computer, routed to the MAIN OUT and PHONES outputs.

In **DIRECT** mode: The mixer outputs the signal that the computer is receiving (i.e., XLR, 1/4" TRS, or Condenser mic input).

In **USB** mode: Outputs the signal from the computer, mixed with the input signal.

5 – USB Vol: Controls the audio level from the computer to the mixer.

6 – Power Only: Provides 5V power with a maximum current of 250mA.

Note: This port does not support data transfer. It cannot be used with USB drives, smartphones, or any data devices; It's intended only for powering accessories such as LEDs gaming headsets.

7 – RGB/ON Button: Allows you to cycle through RGB effects and power on the mixer when connected to an external 5V/1A source (not a computer or smartphone).

RGB Functions:

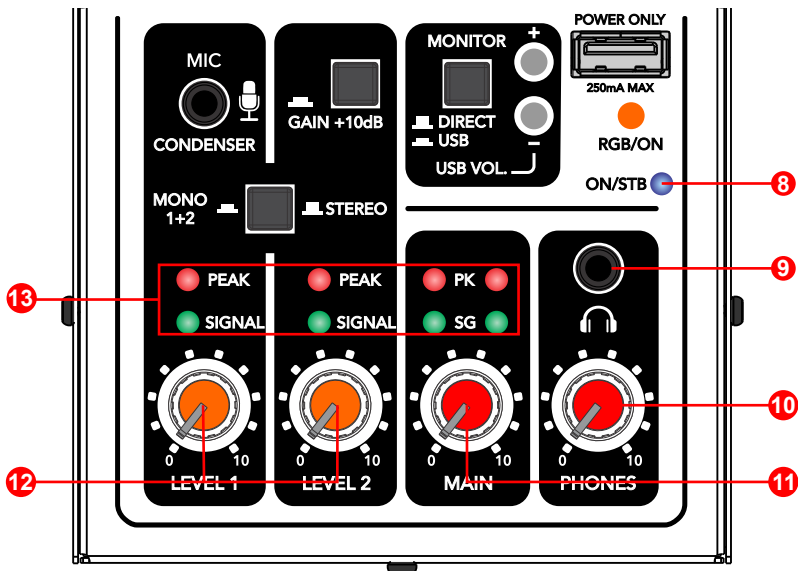
– **Short press:** Cycle through RGB effects

– **Long press (2 seconds):** Turn off RGB LEDs. Panel flashes white and fades out. Release when fully off.

– **Press again:** Reactivates RGB lighting

ON Function: If powered by an external source, the blue LED (ON/STB) will blink every 3 seconds to indicate standby mode. To turn on the mixer, press the RGB/ON button.

Functions



8 - ON/STB: Status indicator LED.

On: Mixer is powered on.

Blinking: Standby mode.

9 - Phone: Stereo P2 headphone output for audio monitoring. This output mirrors the same audio signal as the MAIN OUT.

10 - Phones: Controls the audio level in the headphones.

11 - Main: Controls the signal level of the main outputs.

12 - Level: Adjusts the audio level for the input channel.

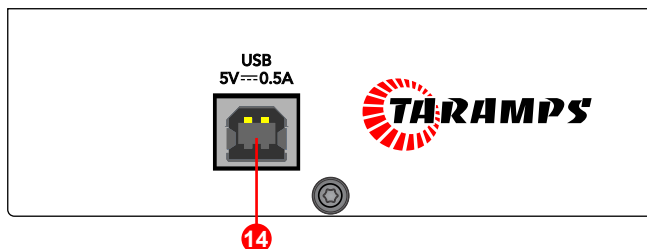
13 - Indicator LEDs:

Red PEAK LED: Indicates input signal clipping.

Green SIGNAL LED: Indicates the channel is receiving an input signal.

Red PK LED: Indicates output signal clipping.

Green SG LED: Indicates signal is being sent to the output.



14 USB-B: The mixer communicates with the computer through the USB-B connector.

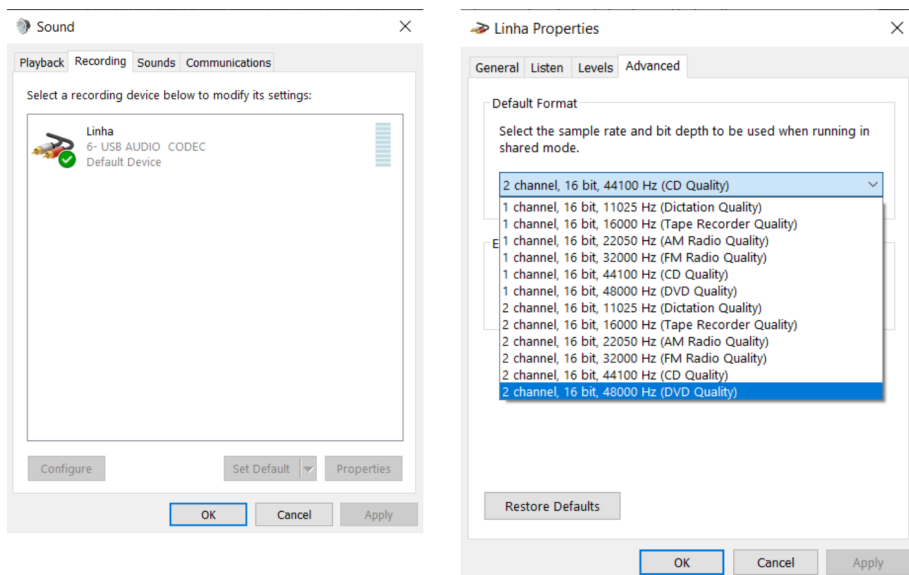
RGB EFFECTS

The T 0202 USB Audio Interface Mixer includes **42 customizable lighting effects** that you can choose from to personalize your setup.

Computer connection setup

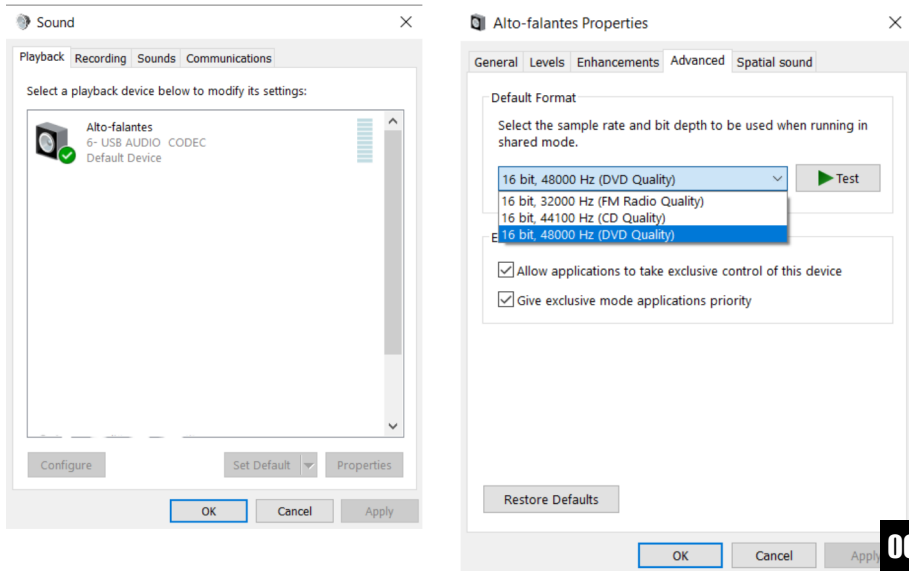
Recording configuration

Find the device according to the description USB AUDIO CODEC, in Line properties set the sampling rate to 16bits/48000Hz. Click "Apply" and then "OK" to complete the recording configuration.



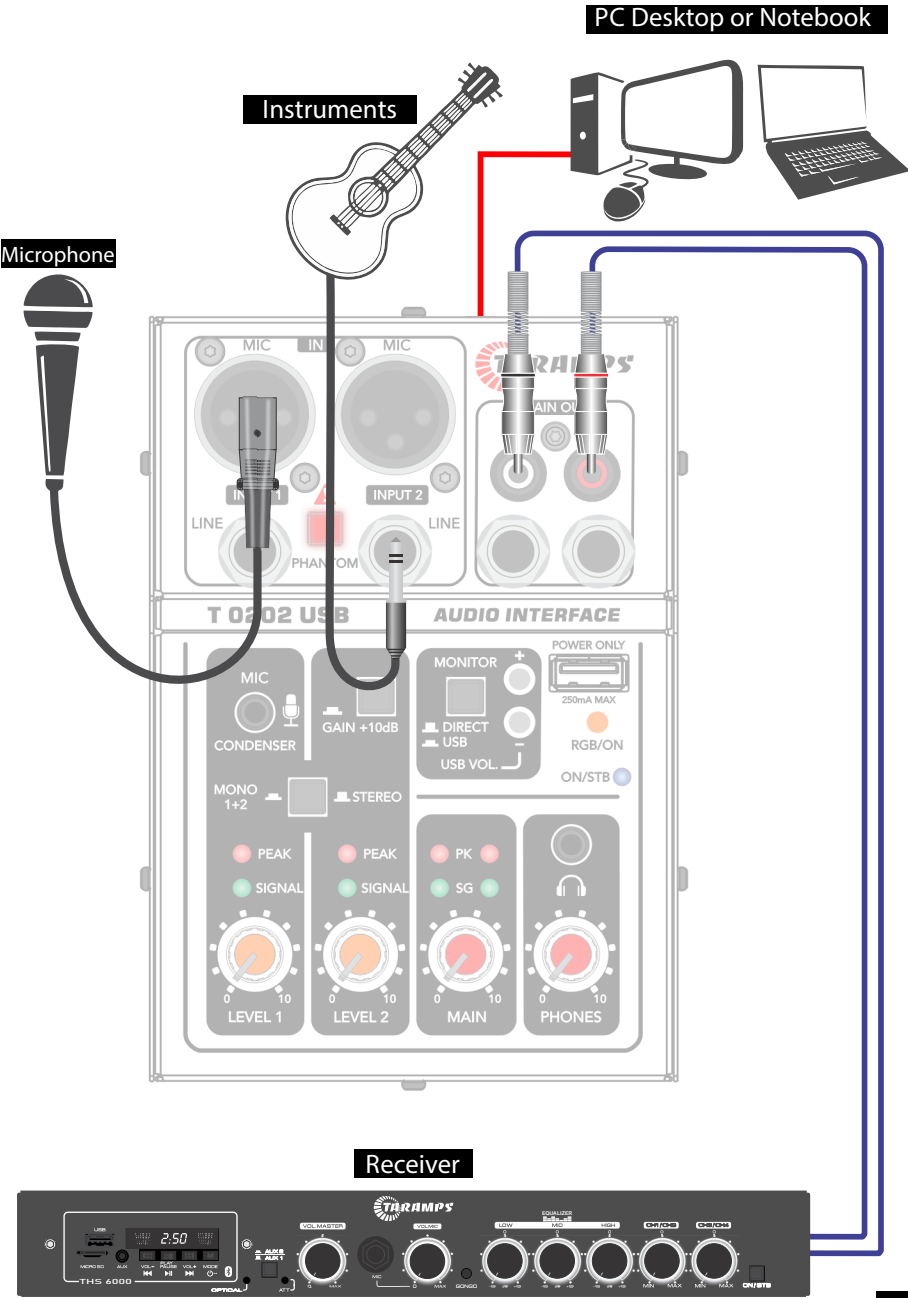
Playback configuration

Find the device according to the description USB AUDIO CODEC, in Speakers properties set the sampling rate to 16bits/48000Hz. Click "Apply" and then "OK" to complete the playback configuration.



Installation

Connection examples - 01

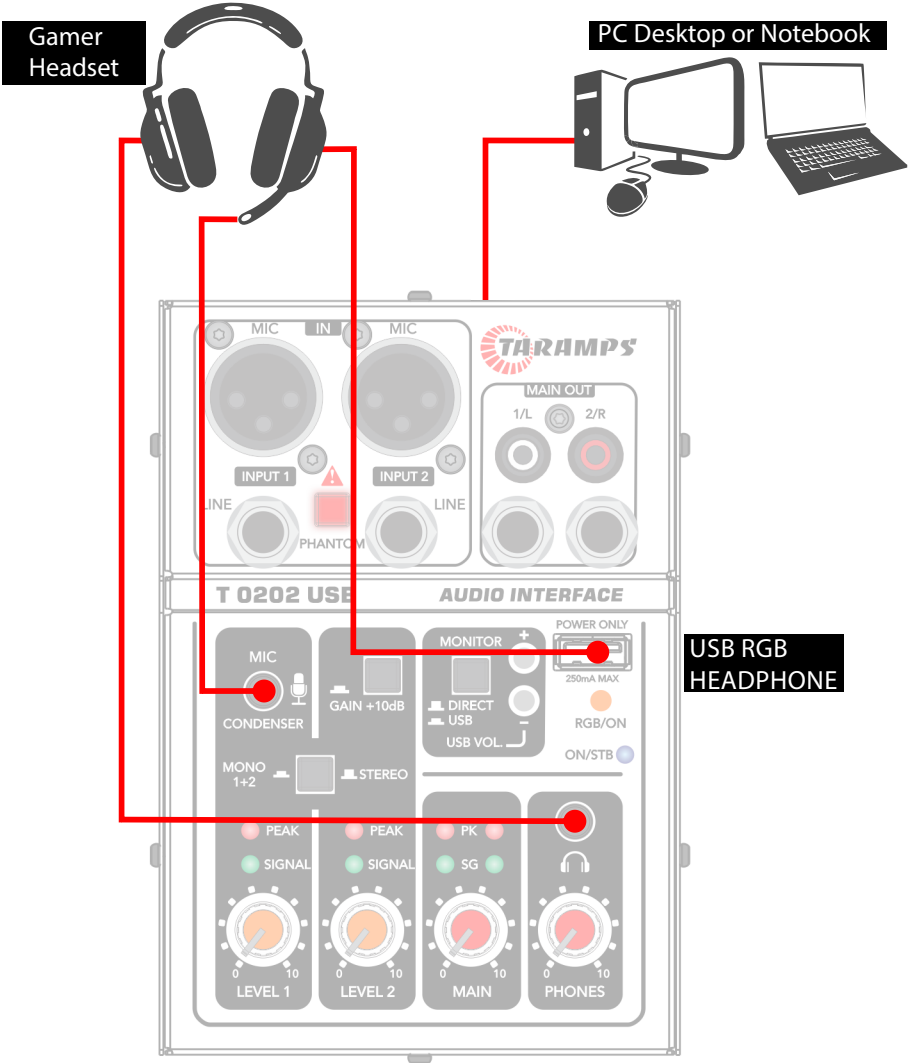


Receiver

Illustrative Images

Installation

Connection examples - 02



Illustrative Images

Technical features

| | |
|-------------------------------|---|
| Frequency Response | (-1dB)20Hz ~ (-0.2dB)20 KHz |
| XLR and P10 input sensitivity | Mic(XLR): 2mV |
| | Line(P10): 26mV |
| | Mic Cond(P2): 10mV |
| THD-N Ratio | 0.02% |
| Input sensitivity | Mic(XLR): 2K2 |
| | Line(P10): 12K |
| Input Gain | Mic(XLR): 57 dB |
| | Line(P10): 34 dB |
| | Mic(Cond.): 42 dB |
| Gain Switch (GAIN) CH2 | +10dB |
| Output Voltage | 3 V RMS |
| USB Specification | USB 2.0 16bits/48 KHz |
| Supply Voltage | 5 VDC |
| Maximum Consumption | 520 mA |
| USB Power Socket | 5VDC/250 mA |
| Dimensions (WxHxD) | 104 x 44 x 149 mm (4.09" x 1.73" x 5.87") |
| Weight: | 0.385 Kg (0.85 lb) |



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