

# Instruction manual



---

**THS 1800**  
Multi-Channel Receiver  
**4 x 20W RMS**  
**CLASS AB**



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

# Index

- 01**• Introduction
  - Presentation
- 02**• Important recommendations
  - Audio sources
  - Package content
- 03**• Front panel
- 04**• Rear panel
  - Mix Mode
- 05**• Remote Control Function
- 06**• Bluetooth
  - Bluetooth use Example
- 07**• Example of using RCA connection
  - Connection examples - Ceiling speaker
- 08**• Technical features
- 09**• Term of warranty
  - Technical assistance

## Introduction

Congratulations on purchasing a Taramps product.

Developed in a modern laboratory, with highest technology and highly qualified professionals. This manual explains all the resources, operations and guidelines for resolving questions that may arise in your installation. Take a time to read it carefully and ensure the proper installation and use of all the benefits that this product can offer.

In case of doubt even after reading this manual, please contact our technical support at the number **+55 18 3266 4050** or our website **www.taramps.com.br**.

## Presentation

The **THS 1800** is a Multi Channel Receiver developed with high technology to integrate different environments. Compact and powerful it can be used in several applications providing quality sound.

Application examples:

- Environment sound for stores, shops and clinics. It also allows, through the microphone input, that warnings are transmitted via the sound system.
- In your leisure area, gourmet space, country house, etc. Including various audio input options, such as Bluetooth, AUX and USB, it allows the audio sources to be easily changed giving the user flexibility in choosing the preferred audio.

The equipment is automatic bivolt and can be connected to any power plug between 90 and 240V. It has a switching power supply that is more efficient in the consumption of electricity.

If you are not going to use the product for a long time, we recommend that you disconnect from the power plug.

## Important recommendations

- The **THS 1800** must be installed in a firm and ventilated place, away from heat and humidity places. Avoid locations with direct sunlight.
- Do not block the ventilation holes on the top and rear.
- Avoid falls and impacts.
- Carefully observe the polarity and impedance of the loudspeakers.
- Use cables according to the distance between the THS 1800 and the loudspeakers.

The table below shows the recommended gauges according to the distances:

<b>Until 20m</b>	cables with a gauge larger than or equal to	<b>1 mm<sup>2</sup></b>
<b>Until 40m</b>	cables with a gauge larger than or equal to	<b>1,5 mm<sup>2</sup></b>
<b>Until 70m</b>	cables with a gauge larger than or equal to	<b>2,5 mm<sup>2</sup></b>
<b>Until 100m</b>	cables with a gauge larger than or equal to	<b>4 mm<sup>2</sup></b>

- In case of unwanted noise make sure that the cables and connections are in good condition. Leave the volume to a minimum of unused channels.

## Audio source

The **THS 1800** has the following audio inputs:

1. USB: Flash drive input \*
2. MICRO SD CARD \*
3. AUX (front): P2 standard auxiliary input.
4. AUX1 and AUX2: RCA standard auxiliary inputs.
5. BLUETOOTH
6. FM radio

\* The connected device must contain music in MP3 format to be identified by the equipment. Maximum supported size: 64GB.

**⚠** We advise you to always have a good antivirus, so there are no problems with the Flash Drive or micro SD card when connecting to the product. Infected devices may cause undesirable effects to the THS 1800, such as: Slow music reading and general failures.

Do not use the USB input to connect to the computer or to recharge other devices that have batteries.

## Package content

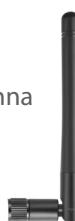
- 01 Multi Channel Receiver THS 1800



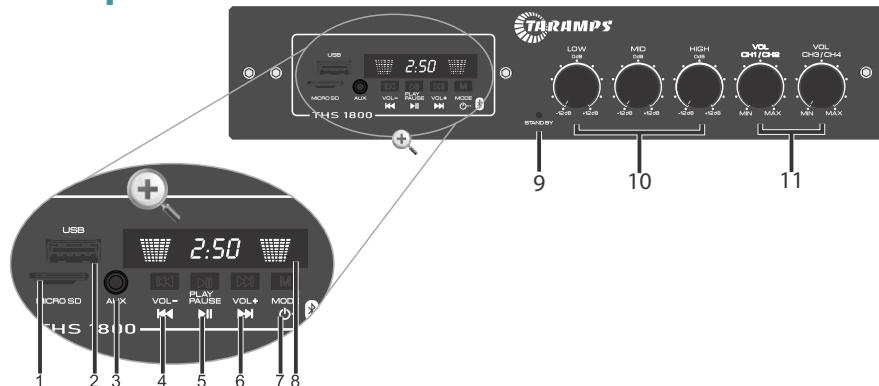
- 01 Remote Control



- 01 Bluetooth Antenna



# Front panel



**1 - MICRO SD:** Micro SD memory card input. (The card must be positioned as the image shows, with the terminals facing up)

**2 -- USB:** Flash Drive input.

**3 - Aux. (P2 Connector):** Receives audio signal from the P2 output of your phone, tablet, MP3, computer, among others. Use good quality cable to avoid unwanted noise.

**4 - Short Touch (Track-):** Rewind the music tracks in the USB/SD/BLUETOOTH.

**Long Touch (Volume -):** Reduce the volume in all sources options.

**FM: Short Touch:** Reduce 0.1MHz of the frequency. **Long:** Automatic search to previous stations.

**5 - Short Touch (Play / Pause):** Pause or start the music on USB / SD / BLUETOOTH.

**Short Touch:** Mute for AUXILIARY option

**FM: Short Touch:** Advances next saved memory position of FM stations. **Long:** Searches for FM stations and saves them in memory.

**6 - Short Touch: (Track+):** Forward the music tracks in the USB/SD/BLUETOOTH.

**Long Touch:(Volume +):** Increase the volume in all sources options

**FM: Short Touch:** Increase 0.1MHz of the frequency. **Long:** Automatic search to next stations.

**7 - Short Touch (Source):** Changes the source options, such as: USB / SD / AUXILIARY / BLUETOOTH / FM.

**Long Touch - ON / OFF -** To turn on or off the device.

**8 - LED Display - Remote control IR sensor:** For better communication between the remote control and the device, point the control at this point on the display.

**9 - STAND-BY LED:** Remains on when the equipment is turned off and plugged into a powered outlet.

**10 - EQUALIZATION:** 3 band audio equalizer adjust.

LOW: Bass frequencies

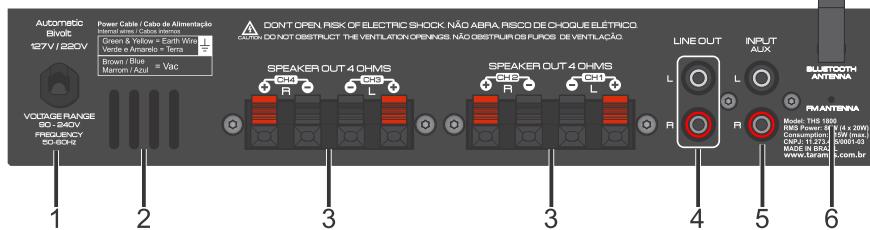
MID: Middle frequencies

HIGH: High frequencies.

**11 - VOL CH 1 / CH2:** Adjusts the output volumes CH1 / CH2 (Le R)

**VOL CH 3 / CH4:** Adjusts the output volumes CH3 / CH4 (Le R).

# Rear panel



**1 - POWER CABLE:** Connect the cable to a powered outlet. This product operates from 90V AC to 240V AC 50Hz/60Hz

**2 - VENTILATION HOLES:** Do not obstruct the rear and the upper ventilation (cover) for better performance of the product.

**3 - SPEAKER OUT:** To connect the loudspeakers. Follow the indicated polarity and the recommended minimum impedance of 4 ohms for each channel.

**4 - LINE OUT:** The LINE OUT output allows you to send the audio signal (not amplified) to other equipment, such as a THS 3600, an active amplifier or subwoofer.

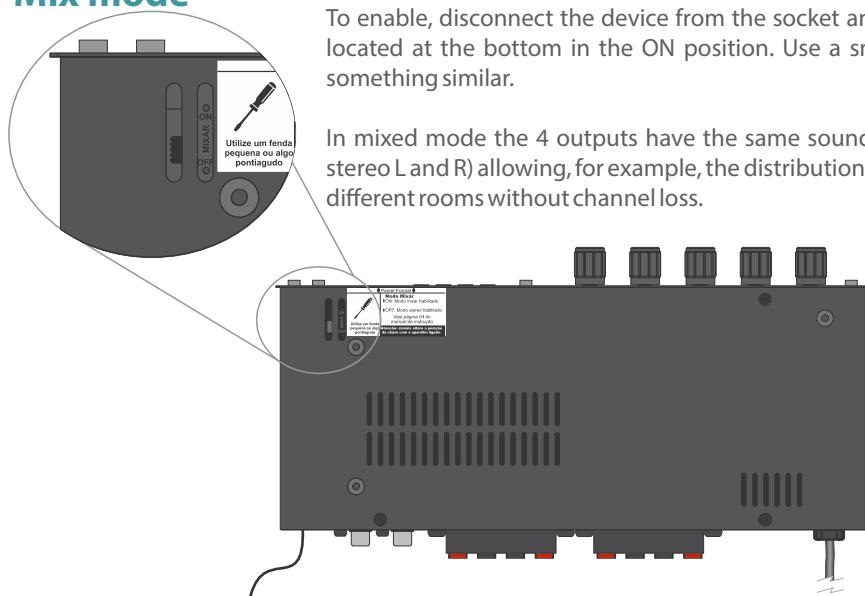
This signal goes through the equipment's equalization settings (LOW, MID and HIGH).

**5 - AUX INPUT:** L and R (RCA) input works in parallel with the front AUX input (connector P2).

**6 - FM ANTENNA:** Indoor wire antenna for FM radio reception.

Position the wire antenna in order to achieve the best FM reception.

## Mix mode



To enable, disconnect the device from the socket and place the switch located at the bottom in the ON position. Use a small screwdriver or something similar.

In mixed mode the 4 outputs have the same sound, (no longer being stereo L and R) allowing, for example, the distribution of the sound over 4 different rooms without channel loss.

# Remote control functions

The THS 1800 has a compact remote control, so you can remotely control the device with practicality.



 **ON / OFF:** Press the key to turn off the device.

 **MODE:** Switch the audio source (USB, BLUETOOTH, SD, AUXILIARY, FM).

 **MUTE**

 **PLAY / PAUSE:** Pause or start the music to USB / SD / BLUETOOTH.

**FM: Short Press:** Advances next saved memory location of FM stations.

**Long Press:** Searches for FM stations and saves them in memory.

 **TRACK -** Previous track (short press)

**FOLDER -** Previous folder (long press)

**FM: Short Press:** Previous 0.1MHz of the frequency.

**Long Press:** Automatic search to the previous station.

 **TRACK +** Next track (short press)

**FOLDER +** Next folder (long press)

**FM: Short Press:** Next 0.1MHz of the frequency.

**Long Press:** Automatic search to the next station.

 **EQUALIZATION:** Pop / Rock / Jazz / Country / Normal.

Do not work in auxiliary mode.

**FM:** Short Press Return to the saved memory position of FM stations.

 **VOL-:** Volume down

 **VOL+:** Volume up

 **REPEAT:** Repeat / play MP3 options

 **U/SD:** Switch mode between USB / SD Card

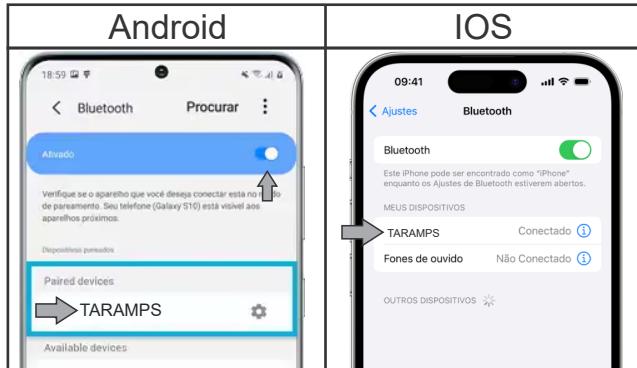
FM: Searches for FM stations and saves them in memory.

**NUMERIC KEYBOARD:** FM: Long Press saves FM stations.

# Bluetooth

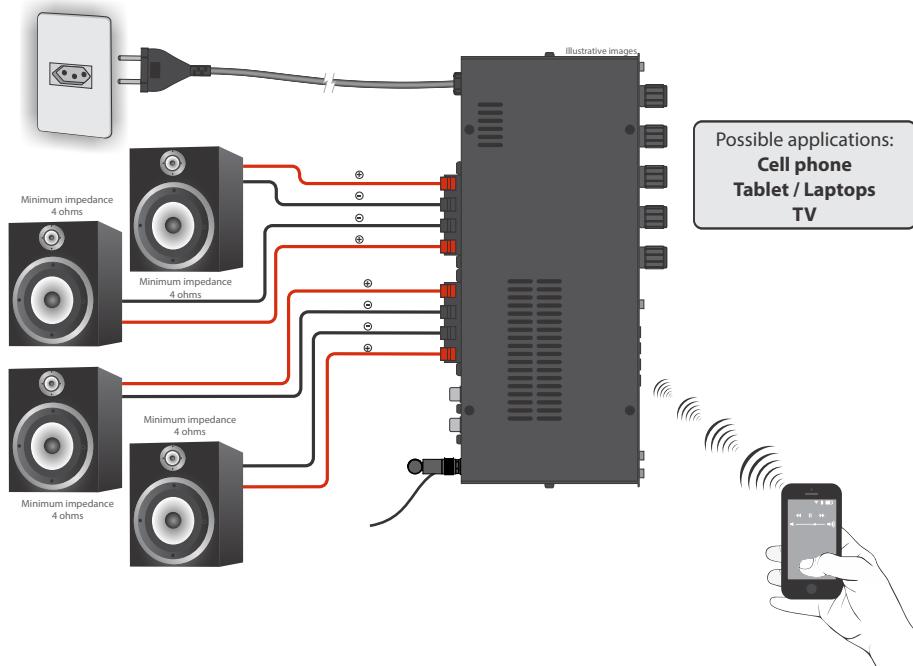
When selecting the Bluetooth function (identified with "bt" on the display), the THS 1800 waits for a Bluetooth connection. Search for the device called "TARAMPS" using your phone, tablet, PC or other and match it.

-To connect to a new device, disconnect the current one and make the new Bluetooth pairing. Bluetooth specification: class II with a 10m maximum range and may vary according to the environment (such as walls) and the connected device.



For other devices the connection system is similar (consult manufacturer's manual)

## Bluetooth use example

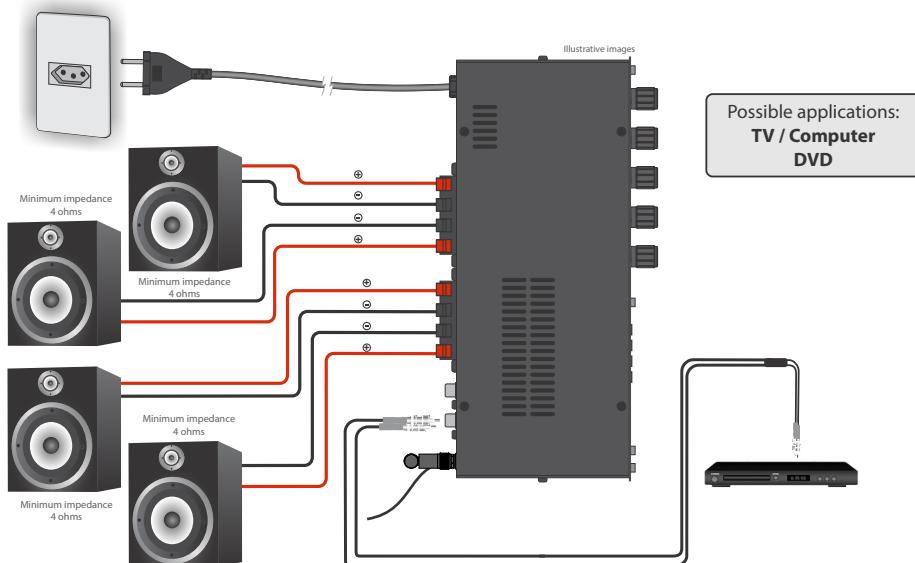


Some TVs have an audio output system via Bluetooth. If your TV has this feature, it's possible to transmit the audio to the THS 1800.

Consult your TV manufacturer's manual.

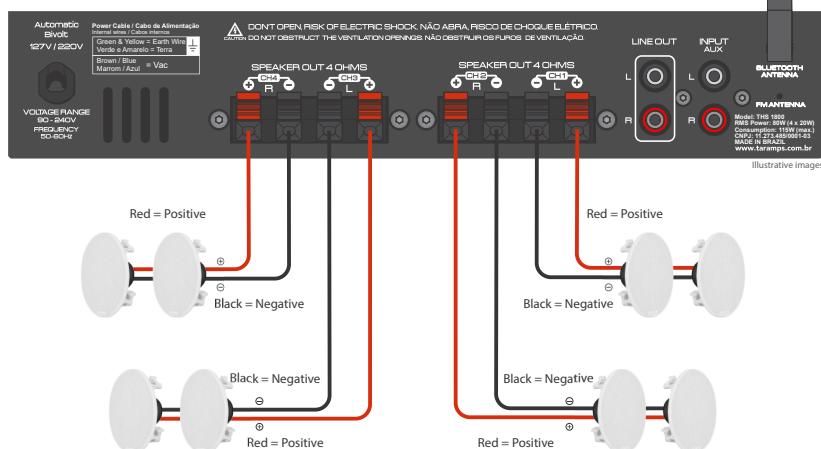
# Example of using an RCA connection

Select the AUX function on the "SOURCE" key.



## Connection examples - Ceiling speaker

Examples to until 8 loudspeakers 8 ohms each



For this kind of connection use cables with a minimum gauge of 1.5mm<sup>2</sup> for up to 40 meters. For long distances, consult the table on page 12 "Important recommendations". It's necessary to make connections in parallel and series as shown in the example, to match impedance.

# Technical features

TARAMPS THS 1800:_____	Receiver Multi Channel Class AB
Number of Channels:_____	04
RMS Power:_____	80W (4x20W)*
Nominal RMS Power of each channel:_____	8.95Vrms
Total Harmonic Distortion + Noise (THD + N) at the nominal power of each channel (60W)_____	≤4%
Each channel nominal Impedance_____	4 Ohms
AUX input Sensitivity:_____	200 mV
AUX Input impedance:_____	2.2KOhm
Frequency response (equalizers at 0dB):_____	20Hz ~ 20KHz (-3dB)
Typical 3-way equalizer performance:	
Low (bass):_____	±12dB - 80Hz
Mid (mid bass):_____	±12dB - 2KHz
High:_____	±12dB - 10KHz
Power Supply:_____	90 ~ 240VAC (automatic) -50/60Hz
Consumption in Stand by:_____	1.4W
Maximum consumption:_____	115W
Internal protection fuse:_____	3A
Protection System:_____	Output protection against short and overheating
Ratio signal/noise:_____	>70dB
FM frequencies:_____	76 MHz ~ 108MHz
Dimensions:_____	269x59x142mm (10.59" x 2.32" x 5.59")
Weight:_____	1.18Kg (2.60lb)

\* Nominal power with 1KHz sinusoidal signal and 4 ohms resistive load. (Measured according to ABNT NBR IEC 60268-3 sound equipment, Part 3: Amplifiers).

The values mentioned are typical and may change due to the tolerance of components or the manufacturing process.

For more information or questions visit our website or contact TARAMPS support.



Taramps reserves the right to modify the contents of this manual without prior notice and not to apply the modifications to units previously produced.

## Term of warranty

Located at Highway Júlio Budisk, SN, KM 30 - Alfredo Marcondes - SP, ZIPCODE 19.180-120, TARAMPS guarantees this product against defects in design, manufacture, assembly and / or jointly due to design flaws that make it inappropriate or unsuitable for the intended use, for a period of 12 months from the date of acquisition.

In case of a defect in the warranty period, TARAMPS is responsible for the repair or replacement of the device manufactured by it.

### This warranty excludes:

- Products damaged by improper installation, water infiltration, violation by unauthorized persons;
- Torn or torn warranty seal;
- Cases where the product is not used under normal conditions;
- Defects caused by accessories, modifications or equipment attached to the product;
- The product shows damage due to falls, impacts or the action of agents of nature (floods, lightning, etc.);
- Costs of removing and reinstalling the equipment, as well as transporting it to the technical assistance station;
- Damage of any nature, resulting from product problems, as well as losses caused by interruption of use.

## Technical assistance

For international support, check on our website:

[www.taramps.com.br/en/rede-de-assistencias-tecnicas](http://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](mailto:service@taramps.com.br)



+55 18 3266-4050

Manufactured by:

TARAMPS ELECTRONICS LTDA

Tax ID: 11.273.485/0001-03

Júlio Budisk Rd, SN, KM 30

Alfredo Marcondes - SP

Made in Brazil

[www.taramps.com.br](http://www.taramps.com.br)