

# Instruction manual



**T 0804 PLAYER FX**  
**MULTICOLOR**  
CAR SOUND MIXER

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

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## Term of warranty

TARAMPS, located at Júlio Budisk highway, SN, KM 30 – Alfredo Marcondes, SP - Brazil, ZIP CODE 19180-120, warrants this product against any defects on terms of project, making, assembling, and/or with solidarity, due to project vices which cause in it improper or inadequacy as to the purpose for which it was produced 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](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)

# 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/es**



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 car sound mixer. 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. Use of improper fuse or circuit breaker could result in overheating, smoke, damage to product, injury or burns.
- 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.



### 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.



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

The **T 0804 PLAYER FX MULTICOLOR (STEREO)** mixer was designed for sound systems allowing the mixing of several types of audio signals with high fidelity, ensuring the original dynamics of the sound. It features a 4-band equalizer that allows you to increase or reduce specific ranges of mid-bass and highs, allowing for a professional control in any situation. It also has the Echo FX feature, which allows you to add the Echo effect to your songs or voice. Its outputs with timed MUTE avoid undesirable noises (Pops) when turned on or off, dispensing with the sequencing of activations, facilitating installation.

With a **total of 102 variable lighting effects**, causing a different visual effect for the user. See pages 09 and 10.

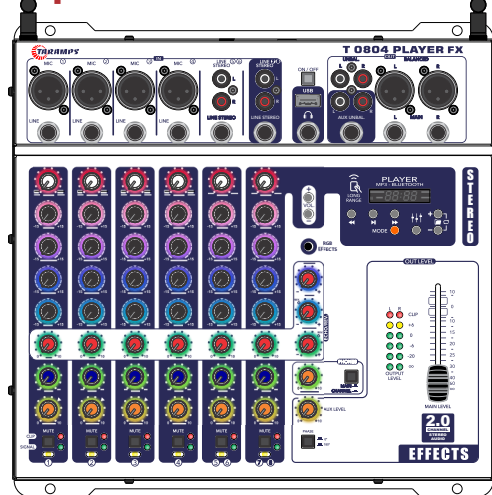
The **T 0804 PLAYER FX MULTICOLOR (STEREO)** has 8 input channels, with channels 1 to 4 balanced with two shared connections, one XLR and the other a P10 jack. This input has high sensitivity and wide gain, which allows the use of anything from Microphone to line input (LINE IN).

CHANNELS 5/6 and 7/8 have RCA STEREO inputs shared with a P10 connector also STEREO for greater connection flexibility.

All 8 inputs have independent controls for:

- Gain for adjusting the input signal level.
- 4 EQ controls HIGH, MID HIGH, MID LOW and LOW with  $\pm 15\text{dB}$  boost/attenuation.
- The MAIN outputs feature two balanced XLR connectors for lower noise. It also has two balanced P10 connectors and two unbalanced RCAs for greater connection flexibility. All deliver high amplitude  $+18\text{dBu}$  (6.3 Vrms) distortion-free signals. The AUX output has a pair of stereo RCA connectors associated with stereo P10 connectors and has attenuation control to reduce the signal level in relation to the MAIN, being ideal for amplifiers with high input sensitivity.

## Important recommendations



Use the P4 adapter with terminal that comes with the product to connect the power wires to the vehicle's 12V battery. Use 1.5mm<sup>2</sup> gauge wires for both the positive and negative wires. Screw the wires according to the following instruction:

- 1- Borne  $\oplus$  on the battery positive
- 2- Borne  $\ominus$  on the battery negative.

As protection, a fuse must be installed close to the positive pole of the battery (**2A fuse**). check for more details on pag. 11 of this manual. For the REMOTE connection, use 0.5 mm<sup>2</sup> wire.

The sound mixer must be fixed in an easily accessible and ventilated place. It is not recommended to install the product on the sides of speakers, as vibrations can damage their internal components. In order to avoid noise captation, use good quality shielded signal cables and connectors.



Check power polarity and recommended gauge.

it is recommended to install a 2 Amperes fuse on the positive supply terminal.



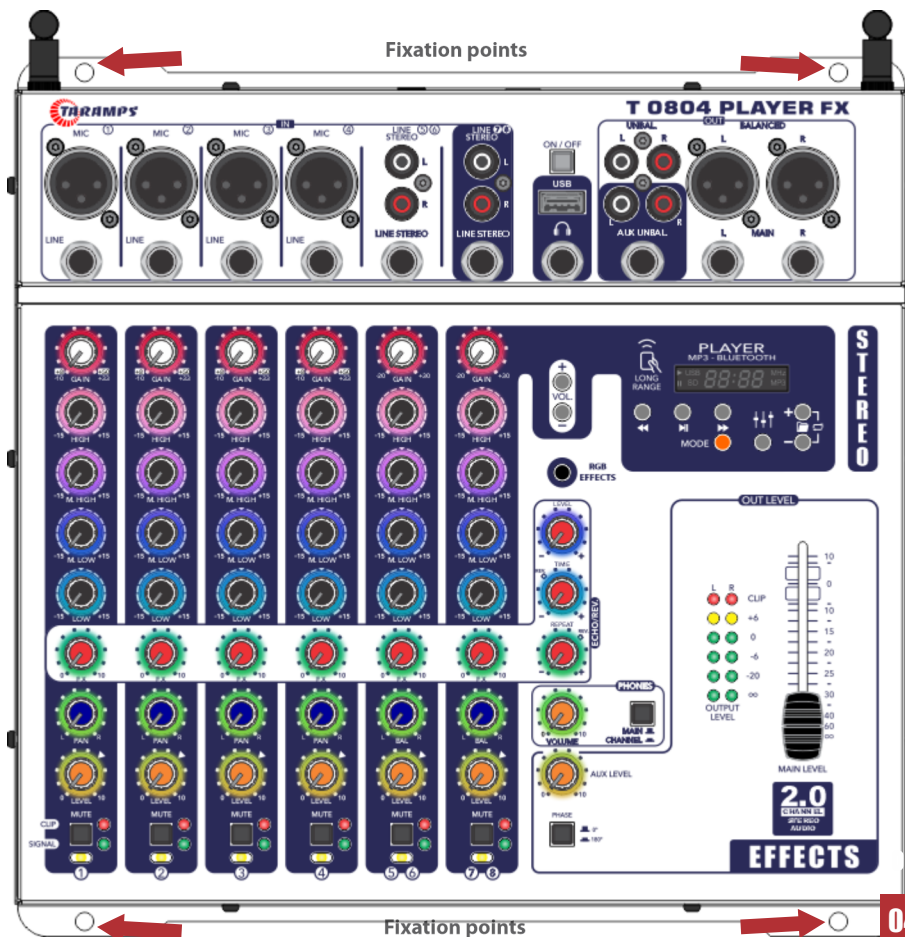
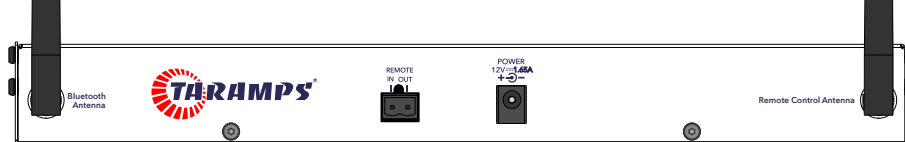
## Product overview

On this page you have an overview of the **T 0804 PLAYER FX MULTICOLOR (STEREO)** sound mixer, you will better understand the commands on the next page. To be able to use all the product commands, carefully read all the commands below.

Install the mixer in an easily accessible place and, if fixing is necessary, use the 4 screwing holes to avoid possible vibrations.

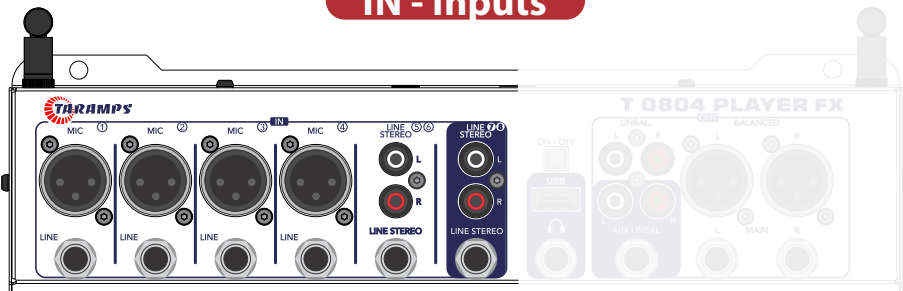
## Package contents

- 1 Fonte Adaptadora
- 1 Conector de alimentação
- 1 Conector remote
- 2 Antenas
- 1 Controle longa distância



# Connections

## IN - Inputs



### MIC / LINE 1 2 3 4

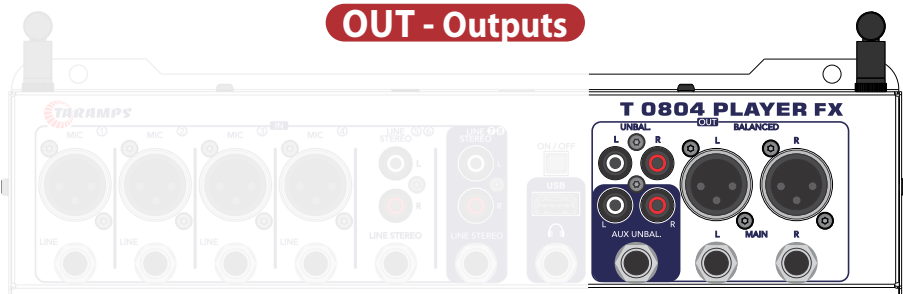
**Balanced inputs** for XLR (Canon) and TRS connectors. ATTENTION: these inputs DO NOT HAVE PHANTOM POWER. Note: This channel will be mixed on the L and R output.

### LINE 5 6 7 8

**Unbalanced inputs** Inputs for RCA or (TRS 1/4") STEREO connector. They allow you to receive signals from several types of sound gear such as HEAD UNIT/MP3-player, audio processors, etc... with high level outputs.

**Note: Using P10 mono will cancel the signal to output R.**

## OUT - Outputs



### AUX OUT

It has an RCA connector in parallel with a P10 connector. This output is STEREO.

This output has a phase inversion button and independent level control, but it also responds to the MAIN LEVEL control.

### MAIN OUT

**Balanced XLR/TRS Outputs:** Provides a professional audio connection, reducing interference and noise over long distances. Ideal for sending signals to amplifiers or recording equipment with high fidelity. **RCA: Unbalanced connection** used to send audio signals to devices such as recorders, players or home sound systems. Offers practicality over short distances with good audio quality.

## Functions

## Controls

### GAIN

Adjusts the input signal level. It must be used in case of input saturation, signaled by the CLIP LEDs.

### HIGH

Increases or reduces **treble** by up to  $\pm 15$ dB

### MID HIGH

Increases or reduces **mid-high** by up to  $\pm 15$ dB

### MID LOW

Increases or reduces **mid-low** by up to  $\pm 15$ dB

### LOW

Increases or reduces **Low** by up to  $\pm 15$ dB

### ECHO FX

Regulates the amount of effect that will be applied to the channel. Being 0, no effect and 10, maximum effect.

### PAN / BAL

Adjusts the position of the sound in the stereo field, allowing you to direct the signal to the left, right or center. Ideal for balancing instruments and creating a dynamic and spatial sound experience.

### LEVEL CHANNELS

Adjusts the audio level of the channel (channel 1, 2 or 3) that will be mixed at the outputs.

### MUTE

MUTE: Blocks the channel mix to the outputs. It is useful for quick muting and/or monitoring the channel without having to change the Level settings. When activated, the amber LED will light up and the channel signal will be routed to the headphones if MAIN/CHANNEL is activated.

### LED INDICATORS

Red LED: indicates channel input saturation.

Green LED: indicates that the channel is receiving a signal at its input.

Amber LED: indicates that the MUTE key is pressed, indicating that the audio has been redirected to the headphones.

### LEVEL

Adjusts the level of effect applied to all channels.

### ECHO FX

ECHO FX: The TIME control increases the time between repetitions, which can vary from approximately 50ms to 350ms. The REPEAT control increases the number of repetitions from 1 (minimum) to 12, and with each repetition the signal is exponentially attenuated.

In practical terms, we can compare the TIME control to the size of a room with echo. The larger the room, the longer it takes for the sound to reflect off its walls. In smaller rooms, the reflection is quick, sometimes difficult to notice. The REPEAT control represents the type of material that the echo room has lining its walls. More phon-absorbent materials attenuate the sound waves more, reflecting little of the sound. The less absorbent the material, the more reflections will occur in the room.

### VOLUME

Controls the audio level in the headphones.

### MAIN / CHANNEL

Selects the audio that will be heard through the headphones.

MAIN: Selects the MAIN output.

CHANNEL: Selects the channels that have the MUTE button pressed. In both cases, it does not matter where the LEVEL control of the respective source channel is, it will not affect the headphone output.

### AUX LEVEL

Inverts the signal phase of the AUX OUT channel by 180°

### PHASE

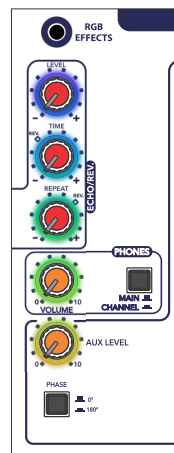
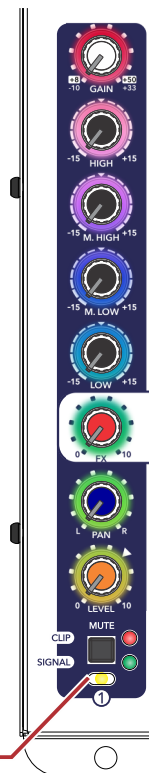
Adjusts the audio output level at AUX OUT

### VU-METER

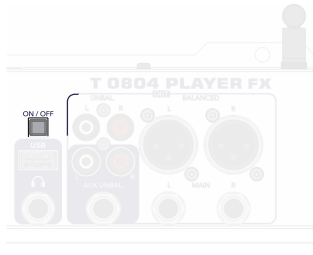
Indicates the level of the output signal.

### MAIN LEVEL

Controls the signal level at the outputs.



## Functions



### On / Off

**ON/OFF:** Turns the T 0804 PLAYER FX MULTICOLOR (STEREO) on or off. When the mixer is on, this key lights up in blue. This key is also used to synchronize the long-distance remote control, allowing the use of up to 3 controls simultaneously.

To sync a new remote, follow the instructions:

- 1- Make sure the T 0804 PLAYER FX MULTICOLOR (STEREO) is working.
- 2- With the T 0804 PLAYER FX MULTICOLOR (STEREO) OFF, press and hold the ON/OFF key for 10 seconds.

3- The key will alternately flash blue and red, indicating the synchronization mode between the mixer and the long-distance remote control.

4- On the long-distance control, press the synchronism keys **▶||** and **▲** simultaneously until the ON/OFF key goes off (check if the long-distance control is compatible\*).

5- If it doesn't go off, bring the long-distance control closer to the T 0804 PLAYER FX MULTICOLOR (STEREO) with the synchronization keys **▶||** and **▲** pressed until the synchronization is done and the ON/OFF key goes off.

\* The T 0804 PLAYER FX MULTICOLOR (STEREO) only works with a TARAMPS long-distance control operating at a frequency of 433.5MHz, FSK modulation with its own encryption.

All TLC3000 and Connect Control manufactured from 03/2014 to today's date are compatible with Player tables.

## Player control



**◀◀** goes back to the beginning of the track. Double tap, skip to previous track. Long press, rewinds playing track.

**▶||** stops/continues playback of the current track.

**▶▶** skips to the next track. Long press, skips forward in the currently playing track.

**↑↑↓** **EQ.:** Changes the preset equalization. It has 5 modes, *flor* is equal FLAT or NATURAL equalization.

**MODE:** Short press: Changes the playback function between Bluetooth and USB.

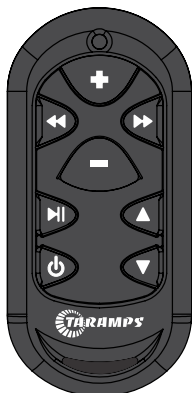
Long press: Turns off only the player, leaving other functions active.

**Folder+:** Advances to the next folder.

**Folder-:** Goes back to the previous folder. The root directory is usually the F001 folder.

**Vol+:** Increases the player's volume.

**Vol-:** Decreases the volume of the player.



## Long range control

**+** increases the volume of the player.

**-** reduces the volume of the player.

**▶||** stops/continues playback of the current track.

**▶▶** skips to the next track.

**◀◀** skips to the previous track.

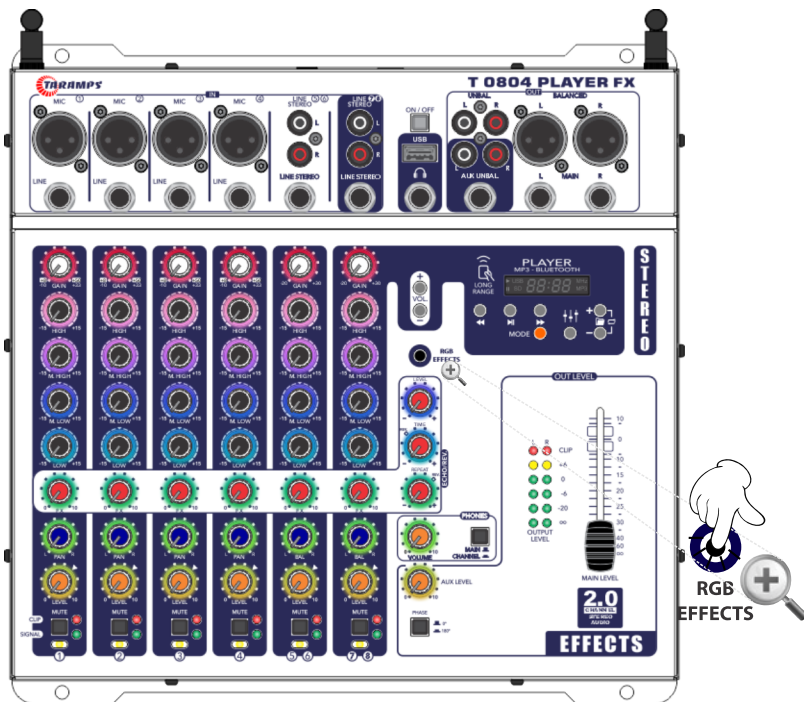
**▲** advances to the next folder.

**▼** back to the previous folder.

**⏻** Short press: Turns on the device / changes PLAYER function.

Long press: Turn off the device.

# KEYS RGB EFFECTS



**1-Change the effect:** Short press. Each press changes the effect.

**2-Turn off the RGB LEDs:** Press the button for 2 seconds. The panel lights up white and dims until it turns off completely. Release the button at this point.

**3-Turn the RGB LEDs back on:** Press the button and the RGB LEDs will start working again.

**4-DEMO mode (demonstration):** Press the button for 3 seconds. The LEDs will light up white and dim, indicating that you are going through the off function. Keep it pressed until the RGB LEDs flash WHITE 3x. Release the button at this point.

**5-RESET mode (factory reset):** Press the button for 7 seconds. The RGB LEDs will show the OFF, DEMO functions, as described above. Keep it pressed until the RGB LEDs flash RED 3x. Release the button at this point.

**6- DIMMING (brightness reduction):** With the device OFF, press the button and wait for it to start up while holding it down.

The panel will light up white and will alternate brightness until you release the button. The brightness will be set to the desired option. To cancel dimming, proceed with the RESET procedure.

# RGB EFFECTS

The **T 0804 PLAYER FX MULTICOLOR (STEREO)** sound mixer has several lighting effects that can be chosen by the user. There are two operating modes that alternate depending on the state of the sound mixer:

**STANDBY MODE:** activated when there is no audio output for 10 seconds. At this moment, the RGB EFFECTS button will set the lighting effect to standby mode.

**AUDIO MODE:** activated when there is an audio signal output from the table. At this moment, the RGB EFFECTS button will configure the lighting effect for audio mode.



OBS: VU-METER effects are only available in AUDIO MODE. This effect works with the output audio level and serves only as a lighting effect. For greater output level accuracy, use the LED VU-METER next to MAIN LEVEL.

## STANDBY EFFECTS TABLE

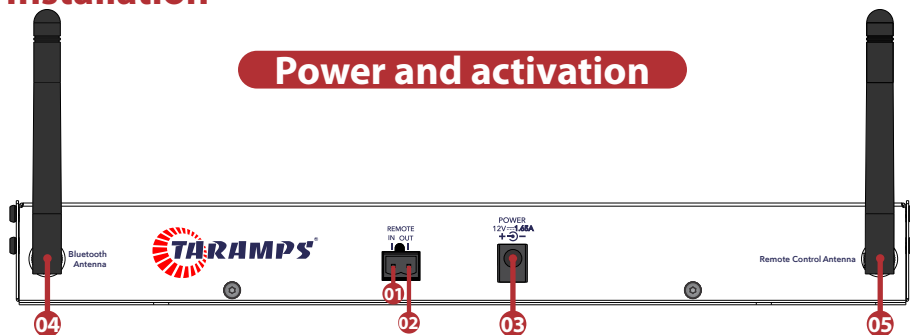
1	white strobe effect
2	roating beacon effect
3	TARAMPS name scrolling from right to left
4	color explosion effect
5	matrix effect
6	fixed color: red
7	fixed color: orange
8	fixed color: yellow
9	fixed color: green
10	fixed color: green + cian
11	fixed color: cian
12	fixed color: blue
13	fixed color: purple
14	fixed color: pink
15	fixed color: pink + red
16	fixed color: dim white
17	fixed color: medium white
18	function palette: gain white / eq. blue / eco red / pan purple / level orange
19	function palette: gain white / eq. green / eco red / pan purple / level orange
20	function palette: gain white / eq. cian / eco red / pan purple / level orange
21	function palette: gain white / eq. purple / eco red / pan green / level orange
22	function palette: gain red / eq. purple / eco green / pan blue / level cian
23	rainbow background with white pinball-style animation / 1 dot
24	rainbow background with white pinball-style animation / 2 dot
25	rainbow background with white pinball-style animation / 3 dot
26	green background with white pinball-style animation
27	red background with white pinball-style animation
28	blue background with white pinball-style animation
29	purple background with white pinball-style animation
30	yellow background with white pinball-style animation
31	cian background with white pinball-style animation
32	4 comets from red to green
33	4 comets from red to blue
34	4comets from green to blue
35	4 comets from pink to purple
36	4 comets from blue to purple
37	4 comets from white to pink
38	rainbow effect with wave animation
39	horizontal lines falling and stacking, automatically changing colors
40	vertical back and forth white background and alternating color dots
41	vertical fill with alternating colors

## AUDIO EFFECTS TABLE

1	vu-meter mono: white background, scale from green to purple
2	vu-meter mono: yellow background, scale from blue to green
3	vu-meter mono: cyan background, scale from green to red
4	vu-meter mono: blue background, scale from blue to red
5	vu-meter mono: blue background, scale from green to purple
6	vu-meter mono: pink background, scale from pink to green
7	vu-meter mono: purple background, scale from green to red
8	vu-meter stereo: purple background, scale from green to red
9	vu-meter stereo: white background, scale from green to purple
10	vu-meter stereo: yellow background, scale from blue to green
11	vu-meter stereo: cyan background, scale from green to red
12	vu-meter stereo: blue background, scale from blue to red
13	vu-meter stereo: blue background, scale from green to pink
14	vu-meter stereo: purple background, scale from purple to green
15	rainbow effect with wave animation
16	horizontal lines falling and accumulating, changes colors automatically
17	goes back and forth vertically with white background and alternating dots colors
18	vertical fill alternating colors
19	blank strobe effect
20	gyroflex effect
21	TARAMPS name going left
22	color bomb effect
23	matrix effect
24	fixed color: red
25	fixed color: orange
26	fixed color: yellow
27	fixed color: green
28	fixed color: green + cyan
29	fixed color: cyan
30	fixed color: blue
31	fixed color: purple
32	fixed color: pink
33	fixed color: pink + red
34	fixed color: weak white
35	fixed color: medium white
36	palette by function: white gain / blue eq. / red echo / purple pan / orange level
37	palette by function: white gain / green eq. / red echo / purple pan / orange level
38	palette by function: white gain / cyan eq. / red echo / purple pan / orange level
39	palette by function: white gain / purple eq. / red echo / red pan / orange level
40	palette by function: white gain / purple eq. / red echo / green pan / orange level
41	rainbow background with pinball animation in white / 1 dot
42	rainbow background with pinball animation in white / 2 dot
43	rainbow background with pinball animation in white / 3 dot
44	green background with pinball animation in white
45	red background with pinball animation in white
46	blue background with pinball animation in white
47	purple background with pinball animation in white
48	yellow background with pinball animation in white
49	cyan background with pinball animation in white
50	vu-meter from center out, BOMB style pink background vu white to red
51	vu-meter from center out, BOMB style white background vu blue to green
52	vu-meter from center out, BOMB style green background vu red to blue
53	vu-meter from the center out, BOMB style yellow background vu green to red
54	vu-meter from the center out, BOMB style blue background vu green to red
55	vu-meter from the center out, BOMB style yellow background vu green to red
56	4 comets from red to green
57	4 comets from red to blue
58	4 comets from green to blue
59	4 comets from pink to purple
60	4 comets from blue to purple
61	4 comets from white to pink

# Installation

## Power and activation



The **T0804 PLAYER FX MULTICOLOR (STEREO)** features a full-range 12V power adapter, allowing use anywhere with access to mains power. For added mobility, it can also be powered by a 12V car battery, offering versatility at outdoor events or locations without AC power available. This flexibility ensures reliable operation in a variety of situations.

It can be switched on and off automatically by remote control using the REMOTE IN connection.

The REMOTE OUT connection can be used to control amplifiers and is timed to minimize transients when switching the system on and off.

### REMOTE IN (01)

Connection that turns on or off automatically from a remote cable from a Head Unit. Use 0.5 mm<sup>2</sup> cable.

Note: If the ON/OFF button is pressed, the device will not turn off by remote activation.

### REMOTE OUT (02)

Output for activating other devices. It can be used to turn on amplifiers or other equipment as long as they have a remote input. This output is current limited and not suitable for currents greater than 100mA. Use 0.5 mm<sup>2</sup> or higher gauge cables.

### 12V POWER SUPPLY (03)

Standard P4 /12V 2mm power connector. Use the TERMINAL/P4 adapter that comes with the product or a 12V adapter source (adapter source doesn't come with the product).

Since consumption varies due to the effects of the LEDs, use 2A or higher power supplies. Low amperage power supplies will prevent the table from working properly.

Use a 0.75mm<sup>2</sup> cable for the connections and **use a 2A fuse on the positive wire as close as possible to the battery**, following the marking on the TERMINAL/P4 adapter:

⊕ to the battery's 12V positive terminal.

⊖ to the battery's negative terminal



#### CAUTION

Check power polarity and recommended gauge.

it is recommended to install a 2 Amperes fuse on the positive supply terminal.

### External antenna connection for Bluetooth: (04)

Allows you to extend the range of the Bluetooth signal, ensuring a more stable and longer-distance connection. Ideal for environments with obstacles or interference.

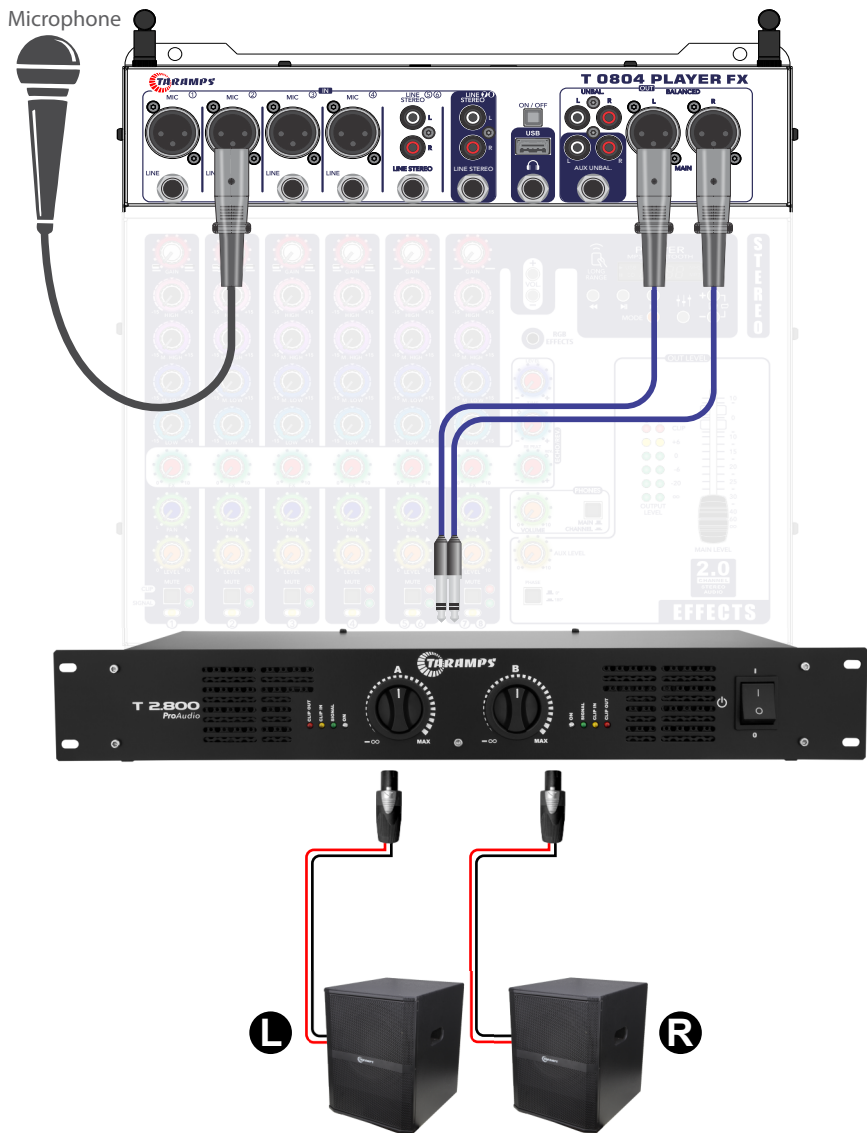
### External Antenna Connection for Long Distance Control: (05)

Extends the communication range between the remote control and the table, allowing operation over long distances. Ideal for large environments or environments with obstacles. Ensures fast and stable responses.



# Installation

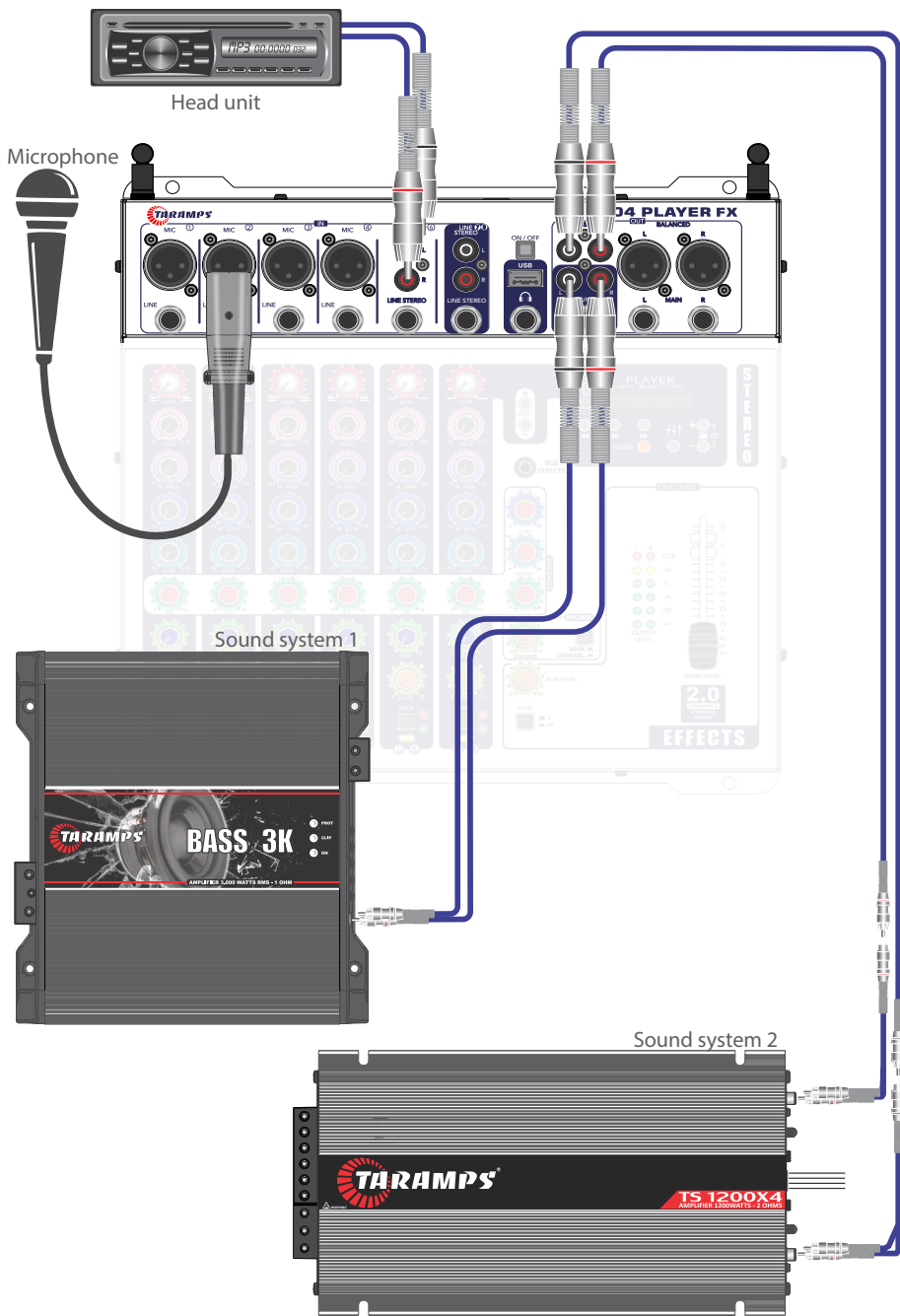
## Connections Example - Professional



Illustrative Images

# Installation

## Connections Example - Automotive



# Technical features

Frequency Response (-3dB):	15Hz ~ 76Khz
Total Harmonic Distortion:	<0.009% (T.H.D.)
Signal to Noise Ratio (SNR):	112dB
Channel 1 ~ 4 input sensitivity*:	Mic (XLR): 3mV (-48dBu) Line (P10): 24mV (-30 dBu)
Channel 5/6 and 7/8 input sensitivity:	90mV (-19 dBu)
4 EQ bands per channel:	High $\pm 15$ dB (12KHz) Mid High $\pm 15$ dB (2,5KHz) Mid Low $\pm 15$ dB (300Hz) Low $\pm 15$ dB (80Hz)
Channel 1 ~ 4 input impedance:	Mic (XLR): 1.5K Ohms Line (P10): 12K Ohms
Channel 5/6 and 7/8 input impedance:	Line (P10): 10K Ohms Line (RCA): 10K Ohms
Ganho de entrada:	Mic (XLR): +8dB a + 50dB Line (P10): -10dB a + 33dB Line stereo (RCA): -20dB a + 30dB
Echo Fx Time / Echo Fx Repeat:	50 ~ 350ms 1 ~ 12 repetitions
Output impedance:	Main Out (P10/RCA): 47R Aux Out (P10/RCA): 47R
Output level before CLIP:	Main Out (P10/RCA): 18 dBu/6.3Vac Aux Out (P10/RCA): 18 dBu/6.3Vac
Power Voltage (POWER):	9 ~ 16 Vdc
Consumption**:	1,65 A
Remote Input (REM Connector):	9 ~ 16 Vdc
Remote Output (REM Connector):	100 mA
Dimensions (WxHxD):	302x42x308mm (11.89"x1.65"x12.13")
Weight:	2.07Kg (4.56lb)

\* Sensitivity is the lowest level that will generate maximum output before CLIP with the Gain and Level controls at maximum.

\*\* The consumption of T0804 PLAYER FX MULTICOLOR (STEREO) may vary according to the effect used.



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



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