



TPT-EQ7 10v

1/2 DIN 7-BAND EQUALIZER / HIGH VOLTAGE LINE



USER MANUAL

Thank you so much for choosing a TIMPANO product! The equalizer was developed with the most advanced technology for adjustment and audio equalization with high-fidelity sound.

Resources

The equalizer has **2 input channels** and **3 output channels**, namely:

INPUT	MAIN IN: RCA connection (L + R)
	HIGH-IN: HI Input connection (L + R)
OUTPUT	SUB OUT: RCA (L + R)
	REAR OUT: RCA (L + R)
	FRONT OUT: RCA (L + R)

INPUT CONNECTIONS



HI INPUT CONNECTION (WIRE)
Connect to your OEM factory radio speaker wires.



RCA CONNECTION (LINE)
Connect to your aftermarket radio with RCA cables.

The equalizer features knobs to control adjustment and equalization of audio signal according to your desirable tuning:

- **SUB output control:** Set the level and SUB output frequency.
- **Input switch:** Select the input signal channel (MAIN or HI INPUT).
- **Input controls:** Individual LEVEL adjustment in each input (HI INPUT or MAIN).
- **FADER FRONT/REAR control:** Set the balance between the FRONT and REAR outputs.
- **LED lighting:** For better control visualization, they lit on a LED frame, at color BLUE.
- **Frequency controls:** Equalizer with 7 bands (50Hz / 125Hz / 315Hz / 750Hz / 2.2KHz / 6KHz / 16KHz).

Before installing

Read this manual carefully before installing the equalizer.

The assembly instructions must be followed as well as the connections, to the best use of the product. If needed, consult our Customer Service. Before use, it's indispensable to pay attention to some info:

- Be sure the device is off before making or removing any connection. It prevents possible damage to the gadgets connected to the equalizer.
- Distribute all the cables as far as possible from the ignition cables, ECU modules, and starter key, as they can generate interferences at the sound.
- Use cables and connectors of good quality, as this ensures the quality and fidelity of sound.
- To not damage your cables, pay attention to not passing them close to sharp metal edges.



Use a 1A fuse at a distance of most 1 foot of battery for protection.

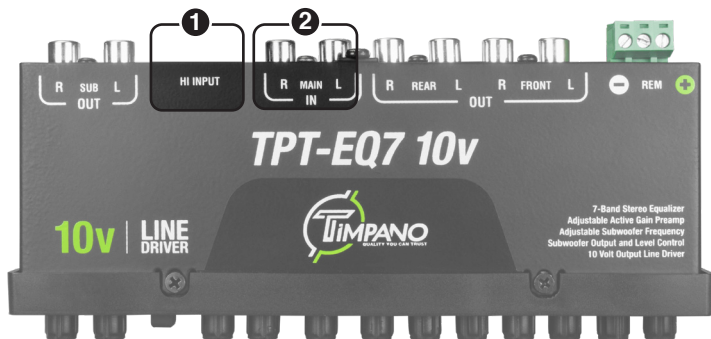
Installation

For installation, choose a place with easy access to the product.

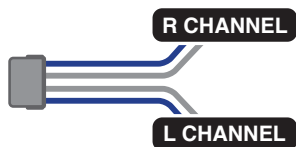
The fixation (when necessary) can be made with a set of corner brackets that comes with the product. Set the corner bracket through the holes on the sides of the product using screws. Be sure the installation is done in a steady, ventilated and dry place.



Input Connections



1 HI INPUT CONNECTION: Use the connection when the radio/player does not have RCA output. The input has a stereo signal (L and R) identified at the product. Check the radio/player output signals before making the connections. For remote triggering of the amplifier, use the REM connection.



+ The positive is connected through the **BLUE** wire.

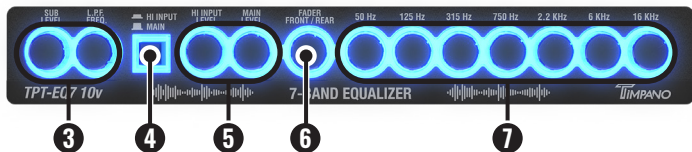
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- The negative is connected through the **GRAY** wire.

2 MAIN INPUT CONNECTION: Double RCA connection with input stereo (L+R) identified at the product. Make the connection with radio/player output through quality RCA cables armored to avoid unwanted noises.



The **MAIN** and **HI INPUT** connections can be switched using the front knob of channel selection between **MAIN** and **HIGH**.

TPT-EQ7 10v Controls



3 SUBWOOFER OUTPUT CONTROLS

- **SUB LEVEL:** Allows the signal adjustment of the level provided at the output of the **SUB** channel.
- **L.P.F. FREQ:** Knob control to select the maximum frequency which will be reproduced by **SUB** channel, just like an amplifier or crossover Low Pass Filter (L.P.F.). This control can be adjusted from **60Hz** to **90Hz**.

4 INPUT CHANNEL SELECTOR

The equalizer has a key that allows a switch between the input channels **MAIN (RCA)** and **HI INPUT (WIRE)** without the need to disconnect the cables and connections.

- Key pressed, input channel **HI INPUT (WIRE)** selected.
- Key released, input channel **MAIN (RCA)** selected.

5 LEVEL CONTROLS

Knob controls to individual adjustment of the level signal of audio inputs **HI INPUT** and **MAIN**.

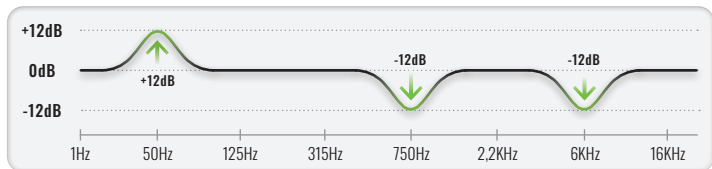
6 FADER CONTROL

Knob control for balance adjustment between volume outputs in audio **REAR** and **FRONT**.

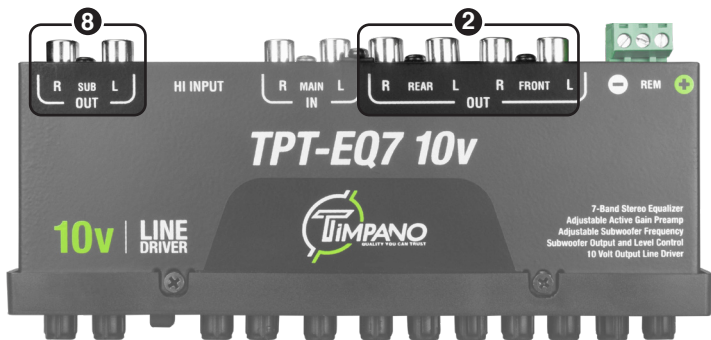
7 EQ CONTROLS

The equalizer has 7 bands in equalizations for frequency adjustment on an individual and precise form.

Example of impacts in each equalization control represented on the audio chart:



Output connections




8 SUB OUTPUT:

RCA output (L+R) dedicated for use in **SUBWOOFERS**. It has controls dedicated to **LEVEL** and **L.P.F. FREQUENCY** for precise lower frequencies adjustment.

9 REAR & FRONT OUTPUT:

RCA outputs (L+R) dedicates to the channels **REAR** and **FRONT**. These outputs count with adjustments of **GAIN**, **FADER**, and **EQUALIZATION**.

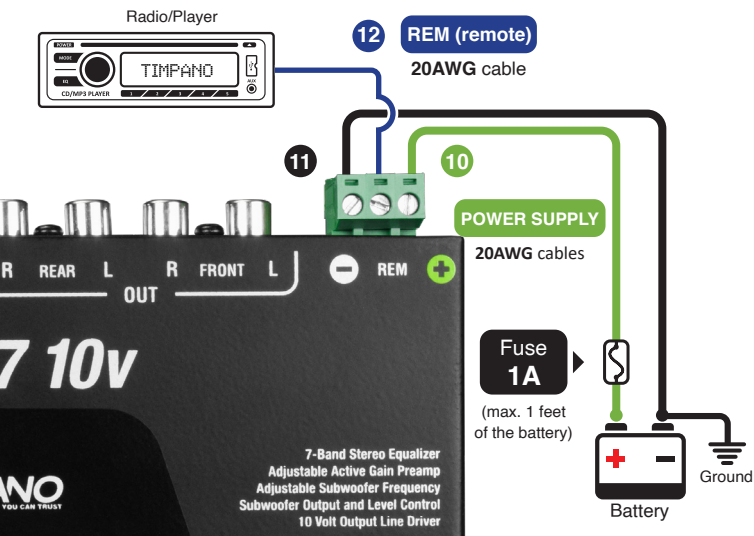
Power and remote activation

10 POSITIVE CONNECTOR  : Connect the positive pole of the battery or a power source 12V, using a cable with a gauge of **20AWG**. For use of the vehicle battery, use a **1A** fuse at a distance of no more than 1 foot from the battery, for protection.

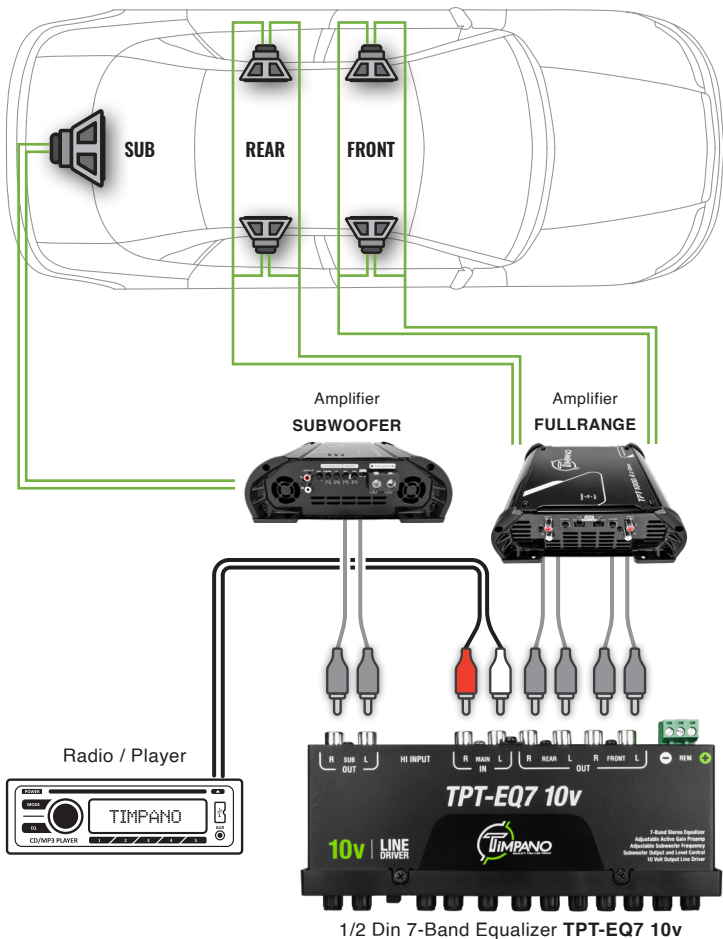
11 NEGATIVE/GROUND CONNECTOR  : Connect to the negative pole of the battery or power source, using a cable with a **20AWG** gauge.

12 REMOTE ACTIVATION (REM):

Allows activation of the equalizer when this connection is energized. Plug the output remote of the radio/player, through a cable with a gauge of **20AWG** or use a key on/off connected to **+12V**.



Installation example



Problems solution

DOES NOT TURN ON OR LED'S DO NOT LIGHT UP:

- Power cables are not connected correctly or poorly contacted (terminals +12V, GND, and REM). Check connections and grounding.
- Remote activation (REM) connection with no voltage. Verify that the connection is receiving voltage near 12V.

NO AUDIO SIGNAL:

- Controls on LEVEL channels at the minimum, increase the level.
- The audio cables might be disconnected or with bad contact. Check the connections.

DISTORTED AUDIO SIGNAL:

- Signal in audio distorted/saturated. Adjust the volume level of the source signal, as well as the controls of gain channels.

UNDESIRABLE NOISES:

- All cables (RCA and power) should be previously checked, to overcome any irregularity found.
- Use suppressive cables on the ignition candles.
- Pass the RCA cable's Input and Output away from any other cable, since they are more sensitive to interferences.
- Make the power connection installation (+12V) separate from the sound system.

- Make a good grounding of the product. For this, remove the ink from the chassis of the vehicle on the wanted point and screw the wire, using a ground terminal. To protect it from oxidation, insulate it with ink.
- Leave the grounding point the nearest possible to the others equipment grounding used on the set, avoiding loop. Prefer the star connection with every ground leaving it from a single point.

Protections

- Short circuit at Input (Fuse thermal resettable)
- Inversion of polarity

If you have questions , contact the store where the purchase or installation was done. For more information please contact our

Customer Service: (954) 859-5529

FEATURES

- 7-Band Adjustable +/- 12 dB Level
- 6-Channel 10 Volt RCA
- 2 Inputs / Selectable Main or Hi-Input
- Independent Bass Knob: Level and Crossover Controls
- Built-In Line Out Converter for Factory Radios
- Blue Backlit Control Knob
- 3 Pin Block Plug - Quick Disconnect
- HD Sound - Extended Frequency Response 5Hz to 140kHz

Technical specifications

Inputs:	MAIN IN (RCA) and HI INPUT (WIRE)
Outputs:	SUB OUT, FRONT and REAR
Audio Controls:	SUB LEVEL and L.P.F. FREQUENCY
	INPUT SELECTOR (MAIN and HI INPUT)
	LEVEL (MAIN and HI INPUT) FADER (FRONT and REAR) EQUALIZER (-12dB ~ +12dB)
SUB frequency control:	60Hz ~ 90Hz
Vout @ 14.4V:	Sub Out: 10V RMS / Front & Rear: 8.5V RMS (LINE DRIVER)
Input sensitivity:	Main (RCA): 3.3V RMS @ 14.4V
	High (WIRE): 25V RMS @ 14.4V
Input impedance:	Main (RCA): 20K Ohms
	High (WIRE): 1K Ohms
Output impedance:	47 Ohms
Frequency response:	5Hz ~140KHz
THD:	< 0.1%
SNR:	> 100dB
Crosstalk:	> 85dB
Supply voltage:	9V ~ 16V DC
Max consumption:	290mA @ 12.6V
Dimensions (W x D x H) :	7.25" x 3.25" x 1"
Weight:	0.68 lb



Scan for Full Product Specification



Timpano is a PRV Audio Group Company.

