

SPECIFICATIONS

Tantrum EQ6

Number of Filters6
 Center Frequency Points (Hz)40, 80, 250, 650, 5k, 12k
 Fixed Filter Q2
 Dimensions, Chassis (inches)7.25 L x 3.82 W x 1.0 H

Tantrum EQP4

Number of Filters4
 Center Frequency Ranges (Hz)20-120, 50-500, 200-5k, 5k-20k
 Variable Filter Q1 to 4
 Dimensions, Chassis (inches)7.25 L x 4.82 W x 1.0 H

Common Specifications

Frequency Response+/-1dB, 20Hz to 20kHz
 S/N Ratio (A-weighted)>110dB
 Total Harmonic Distortion0.02%
 Input Signal Level0.1 to 8 Volts RMS
 Output Signal Level0.1 to 8 Volts RMS
 Input Impedance10k ohms
 Output Impedance30 ohms
 Filter Boost/Cut Range-15dB to +15dB
 Power Supply Operating Range10.5 Vdc to 15.5 Vdc
 Typical DC Current Draw1 amp

LIMITED WARRANTY

Phoenix Gold International, Inc. (or "Phoenix Gold") warrants its products against defects in materials and workmanship for a limited period of time. For a period of 90 days from date of original purchase, we will repair or replace the product, at our option, without charge for parts and labor. Customer must pay all parts and labor charges after the limited warranty period expires. The limited warranty period for factory refurbished products expires after ninety (90) days from date of original purchase. This limited warranty applies only to purchases from authorized Phoenix Gold Electronics/Speaker retailers.

This limited warranty is extended only to the original purchaser and is valid only to consumers in the United States. Consumers are required to provide a copy of the original sales invoice from an authorized Phoenix Gold dealer when making a claim against this limited warranty. This limited warranty only covers failures due to defects in materials or workmanship that occur during normal use. It does not cover failures resulting from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, service by anyone other than Phoenix Gold, or damage that is attributable to Acts of God. It does not cover costs of transportation to Phoenix Gold or damage in transit.

This warranty will become void if the serial number identification has been wholly or partially removed, altered or erased. Repair or replacement under the terms of this warranty does not extend the terms of this warranty. Should a product prove to be defective in workmanship or material, the consumer's sole remedies will be repair or replacement as provided under the terms of this warranty. Under no circumstances shall Phoenix Gold be liable for loss or damage, direct, consequential or incidental, arising out of the use of or inability to use the product. There are no express warranties other than described above.

PHOENIX GOLD



**Tantrum EQ6:
6 Band In-dash Equalizer**

**Tantrum EQP4:
4 Band Parametric In-Dash Equalizer**

FEATURES

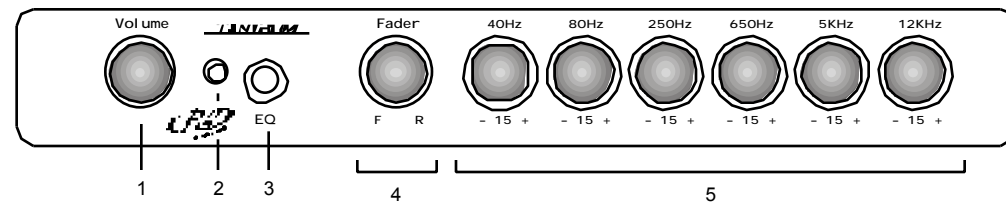
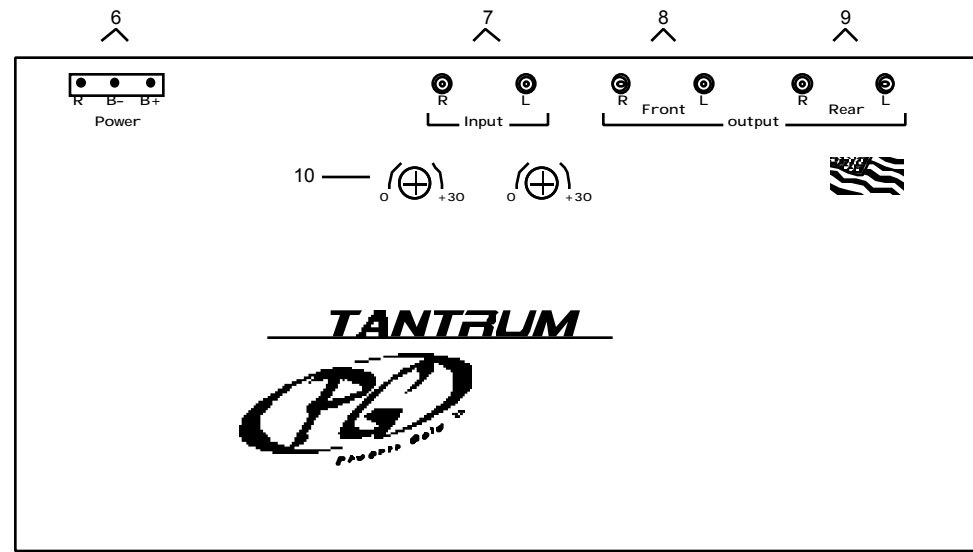
* For complete manuals, technical tips, FAQ's, system diagrams and new product information visit us @

- Anodized and brushed aluminum face
- Back light display using SuperBrite™ blue LEDs
- Superbrite™ blue power-on LED
- Built in line driver for 8 volts of signal for front and rear outputs
- Fadable front and rear outputs
- Built-in master volume control
- Audiophile grade capacitors and resistors
- Gold plated signal input and output jacks
- Features surface mount technology
- Optimized muting circuitry eliminates turn-on and turn-off noises
- 2 layer, 2 ounce, copper G10 glass-epoxy printed circuit boards

PHOENIX GOLD

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1. VOLUME CONTROL

Controls the overall output amplitude of the front and rear outputs. The control can be set to its full counter-clockwise position for zero output or its full clockwise position for maximum output.

2. POWER

Illuminates when unit turns on.

3. EQ BUTTON

When set to the "OUT" position the EQ is defeated or turned OFF. When set to the "IN" position the EQ is activated or ON.

4. FADER

Allows the amount of signal to be balanced towards the front or rear outputs.

5. LEVEL

Increases or decreases the amplitude of the center frequency labeled under the knob. The control is set to flat (0dB) when adjusted to its center position and can be changed from -15dB to +15dB. The filters have a fixed Q with a value of 2.

6. POWER CONNECTOR

Make connections using the supplied detachable plug. Connect the B(+) terminal to battery positive, the B(-) terminal to chassis ground, and the remote terminal to a switched 12v source or remote wire. An internal fuse protects against reverse polarity.

7. RCAINPUTS

Connect to the headunit's RCA outputs.

8. FRONT RCAOUTPUT

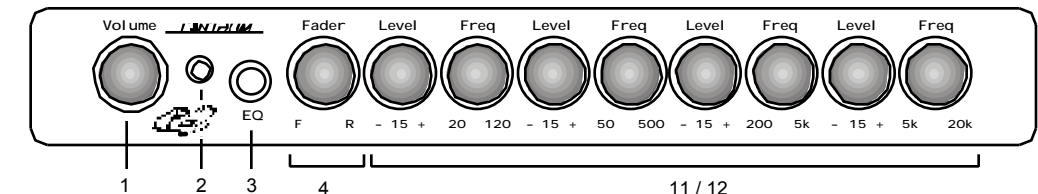
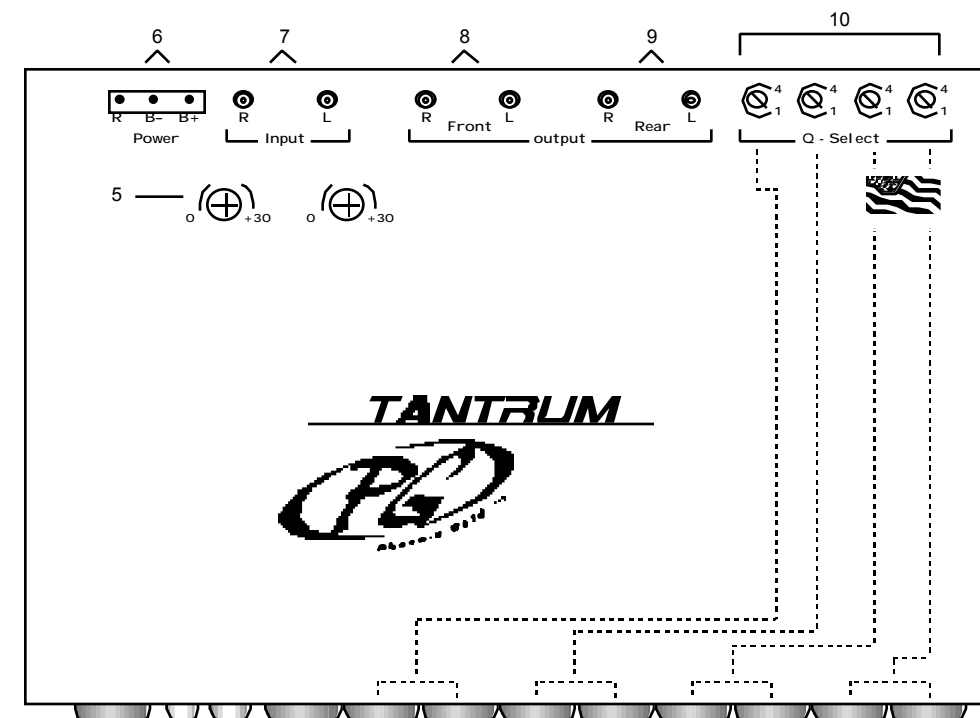
These fadable stereo outputs are connected to the amplifier driving the front speaker system.

9. REAR RCAOUTPUT

These fadable stereo outputs are connected to the amplifier driving the rear speaker system.

10. GAIN ADJUSTMENT

Adjusts the signal gain of the EQ from 0 to +30dB. Separate controls for left and right are adjustable through the top of the unit.



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10. Q SELECT

Each Q Select controls a corresponding level/frequency pair by adjusting the bandwidth of the filter being adjusted (see diagram above). While looking at the rear of the TEQp4, turning the potentiometer clockwise will narrow the bandwidth with a maximum value of 4. Turning the potentiometer counterclockwise will widen the bandwidth with a minimum value of 1.

11 & 12. LEVEL & FREQUENCY

Grouped in pairs, the level adjustment will increase or decrease the amplitude of the frequency control set to its right. The level control is set to flat (0dB) when adjusted to its center position and can be changed from -15dB to +15dB. The frequency adjustment alters the center frequency of where the filter will be boosted or cut.