



Congratulations and thank you for purchasing your Triton mobile amplifier. With a focus on quality, innovation, and value, Triton amplifiers feature a no-compromise design built for today's music. Triton Audio makes no compromises in delivering incredibly accurate sound from a compact chassis.

To make sure your new amplifier performs its best, we strongly recommend you have your new Triton amplifier professionally installed.

Please use your new Triton amplifier responsibly. Listening to very loud music for extended periods of time can cause permanent hearing loss.

Triton PS Series Amplifier Features:

- **High Efficiency Class D Circuitry** – Triton Audio has developed special circuitry that combines high thermal efficiency with Class D technology. The result is an overall efficiency of greater than 75%. The result means less drain on the electrical system of the vehicle and more power directed to the speakers.
- **HFE Circuitry** – Triton Audio's engineering teams have developed High Frequency Enhancer circuitry that improves sonic performance at frequencies between 5Hz and 25kHz. Class D amplifiers in the past struggled with high frequency performance when compared to low efficiency designs such as Class AB amplifiers. With Triton Audio PS Series amplifiers this is now a thing of the past.
- **Compact Design at Affordable Prices** – High efficiency and small footprint amplifiers mean versatility in application. Triton Audio PS amplifiers fit in tight spaces

I. Package Contents

- 1 PS Series Amplifier
- User Manual
- Warranty Card

CONTROL FUNCTIONS:

1.RCA input jacks

These RCA input jacks are for use with source units that have RCA or Line level outputs.A source unit with a minimum level of 200mV is required for proper operation. The use of high quality twisted pair cables is recommended to decrease the possibility of radiated noise entering the system.

2.GAIN Control

The level control will match the amplifiers sensitivity to the source units signal voltage.

The Operating range is 200mV minimum to 6V maximum.

CAUTION:Do not run the amplifier in high volume for long time,otherwise the loudspeakers will be damaged.

3.Full pass x-over switch

When the switch is in the "Full" position,the full range is bypassed.

4.Low pass x-over switch

When the switch is in the "LPF" position,frequencies lower than the low pass frequency setting are passed.

4.1 Low pass x-over frequency control

This control is used to select the desired low pass x-over frequency.

The frequency can be adjusted between 50Hz and 500Hz.

5.High pass x-over switch

When the switch is in the "HPF" position,frequencies higher than the high pass frequency setting are passed.

5.1 High pass x-over frequency control

This control is used to select the desired high pass x-over frequency

The frequency can be adjusted between 50Hz and 500Hz.

6.Bass Boost

The boost can be adjusted between 0dB to12dB

7.Wireless Remote Sub Level Control

Controls the subwoofer amplifier gain,from a remote location for ease of adjustment during listening.

Model:PS1000.4 Low pass x-over switch(3/4CH)

To use the wireless remote sub control set switch to "LPF"

Model:PS1500.6 Low pass x-over switch(5/6CH)

To use the wireless remote sub control set switch to "LPF"

8.PHASE

0-180 selectable for switching the phase of the output to the woofer.

9.GND

Connect this terminal directly to the sheet metal chassis of the vehicle,using the shortest wire necessary to make this connection.Always use wire of the same gauge or larger than the (+)12 volt power wire.The chassis connection point should be scraped free of paint and dirt.Use only quality crimped and/or soldered connectors at both ends of this wire.

Warning:Do not connect this terminal directly to the vehicle battery ground terminal or any other factory ground points.

10.Remote Turn On

This terminal turns on the amplifier when (+)12 volt is applied to it.Connect it to the remote turn on lead of the head unit or signal source.

11.(+)12 Volt Power

Connect this terminal through a FUSE or CIRCUIT BREAKER to the positive terminal the vehicle battery or the positive terminal of an isolated audio system battery.

Warning:Always protect this power wire by installing a fuse or circuit breaker of the appropriate size within 12 inches of the battery terminal connection.

12.FUSE

These fuses protect the amplifier against internal electrical damage and are meant to protect the amplifier only. All other power connections should be fused at the source.

PS1000.1:30A X 2 PS1000.4: 30A X 2 PS15006: 30A X 2

13.LED

Will illuminate Green to indicate the amplifier is on and operating normally, and will be illuminated RED if the amplifier shuts down due to short circuit, DC effect, or overheating detected by on board protection circuitry

II. Specifications

Model	PS15006	PS10004	PS10001
Peak Power	1500W	1000W	1000W
Power RMS 2Ω @ 14.4V	120W x 6	120W x 4	500W
Power RMS 4Ω @ 14.4V	85W x 6	85W x 4	240W
Power RMS Bridged 4Ω @ 14.4V	200W x 3	200W x 2	X
THD+N @ Nominal Power	1%	1%	1%
THD+N @ 10% Nominal Power	2000W	1500W	600W
Frequency Response (-3db)	20Hz ~ 25kHz	20Hz ~ 25kHz	20Hz ~ 150Hz
SNR	80dB	80dB	90dB
Input Sensitivity	0.2 ~ 6V	0.2 ~ 6V	0.2 ~ 6V
Low Pass Filter	50Hz ~ 500Hz	50Hz ~ 500Hz	50Hz ~ 150Hz
High Pass Filter	50Hz ~ 500Hz	50Hz ~ 500Hz	X
Damping factor (Nominal Impedance @ 100Hz)	260	260	260
Bass Boost	Adjustable 0-12dB	Adjustable 0-12dB	Adjustable 0-12dB
Bass Boost Center Frequency	45Hz	45Hz	45Hz
Dimensions	10.75"x5.12"x1.97"	8.38"x5.12"x1.97"	6.42"x5.12"x1.97"

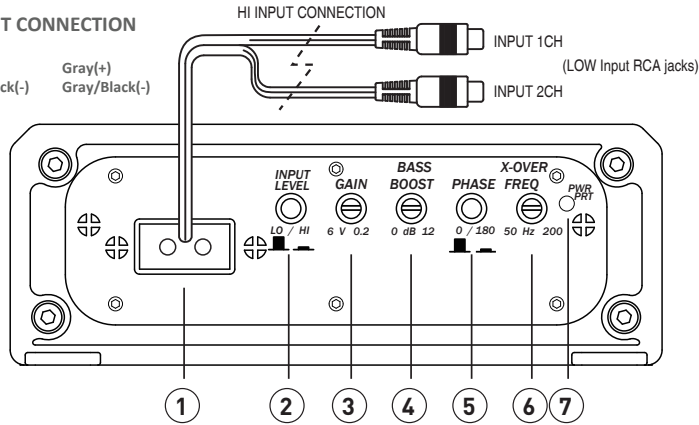
III. Installation

Audio Inputs and Controls

PS10001

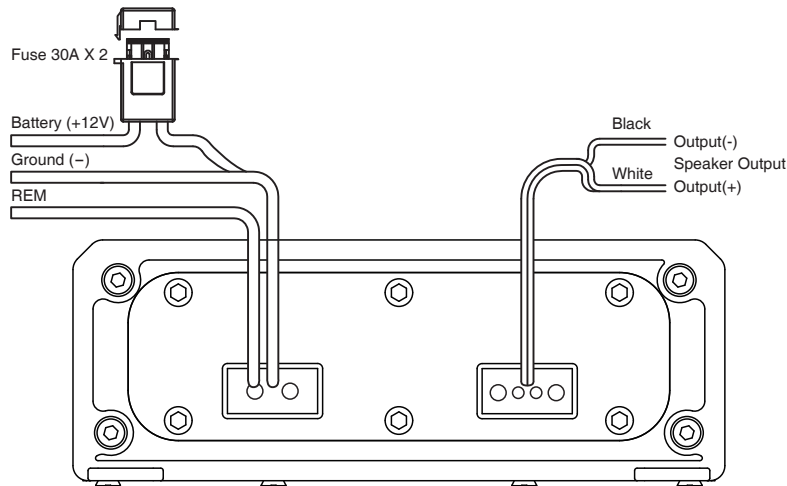
HI INPUT CONNECTION

White(+) Gray(+)
White/Black(-) Gray/Black(-)



- | | |
|----------------------|----------------------------|
| ① RCA Input Harness | ⑤ Phase Switch |
| ② Input Level Switch | ⑥ X-OVER Frequency Control |
| ③ Gain Control | ⑦ Protect & Power LEDs |
| ④ Bass Boost | |

Power and Speaker Connections

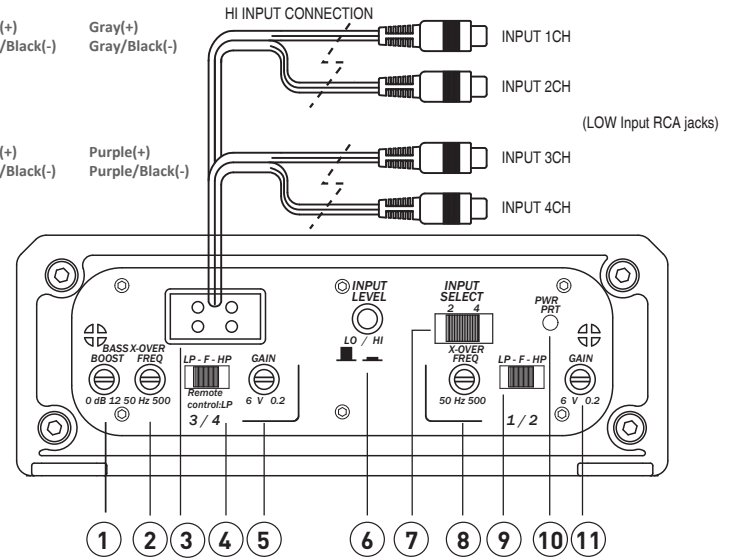


Audio Inputs and Controls

PS10004

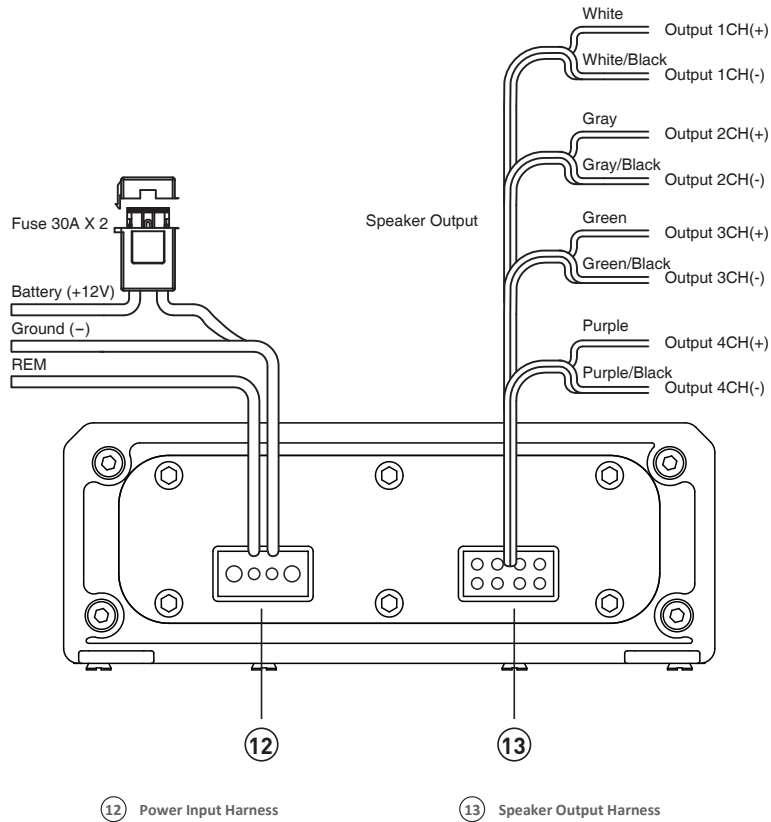
White(+) Gray(+)
White/Black(-) Gray/Black(-)

Green(+) Purple(+)
Green/Black(-) Purple/Black(-)



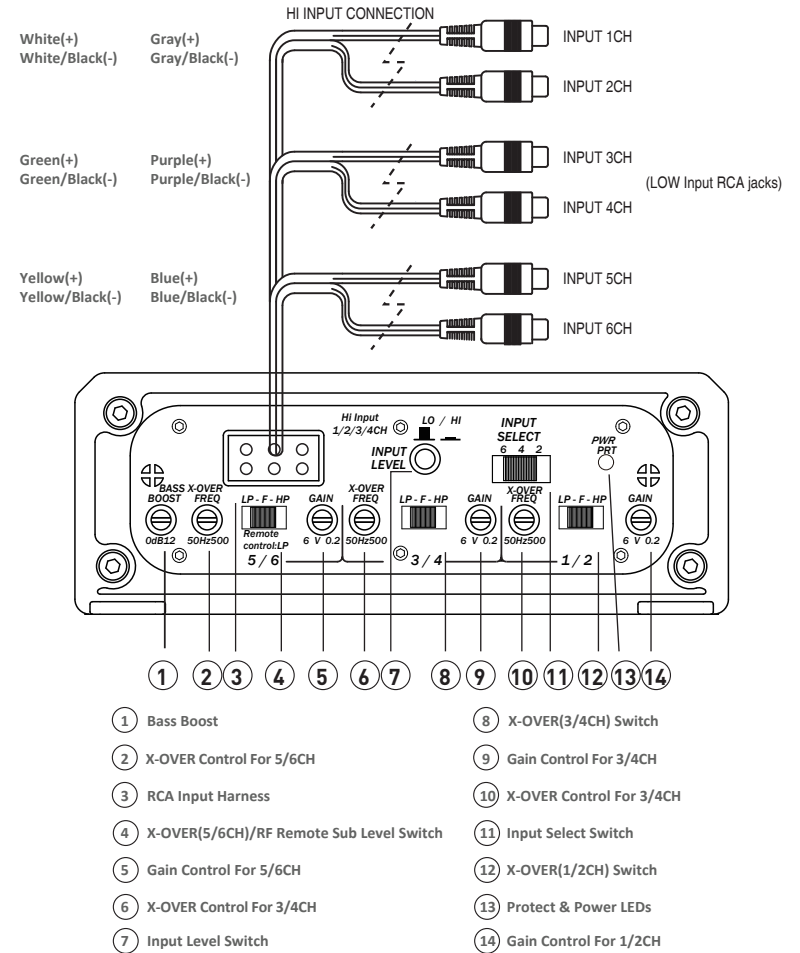
- | | |
|--|--------------------------------------|
| ① Bass Boost | ⑦ Input Select Switch |
| ② X-OVER Control For 3/4CH | ⑧ X-OVER Frequency Control For 1/2CH |
| ③ RCA Input Harness | ⑨ X-OVER Switch for 1/2CH |
| ④ X-OVER(3/4CH)/RF Remote Sub Level Switch | ⑩ Protect & Power LEDs |
| ⑤ Gain Control For 3/4CH | ⑪ Gain Control for 1/2CH |
| ⑥ Input Level Switch | |

Power and Speaker Connections

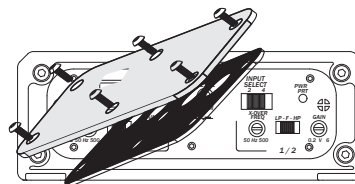
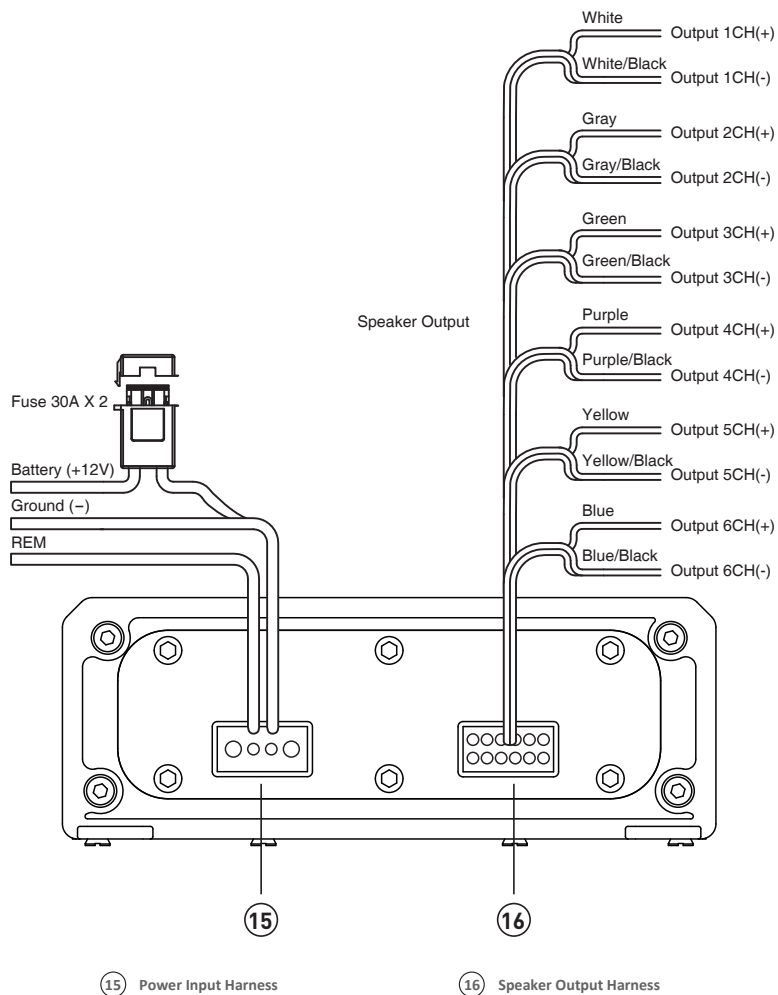


Audio Inputs and Controls

PS15006



Power and Speaker Connections



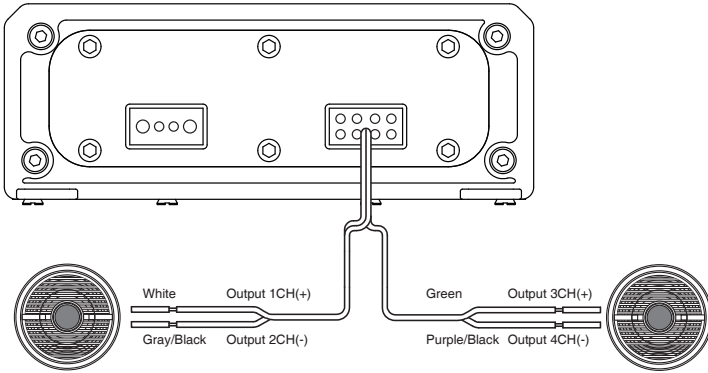
The default setting of Gain/HPF and LPF is set to a lower level to avoid damaging the audio system.

- 1) Loosen six screws and remove the cover plate from side panel to make adjustments to the amplifier.
- 2) After making adjustments to the amplifier fix the cover plate back to the side panel and tighten screws.

CAUTION: Care must be taken when removing and replacing the cover plate to ensure the watertight seal is not damaged.

BRIDGED CONFIGURATION

PS1000.4



PS15006

