USER MANUAL
QUICK INSTALLATION GUIDE

Planet Audio®

PSA4CB

BLUETOOTH® ENABLED
4-CHANNEL AMPLIFIER

TABLE OF CONTENTS

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Thank you for purchasing this

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PSA4CB Bluetooth Amplifier

Please read through these instructions carefully so you will know how to operate your model properly.

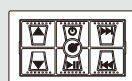After you have finished reading the instructions, keep this document in a safe place for future reference.
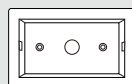
THIS PACKAGE CONTAINS

1- PSA4CB Bluetooth 4-CH Amplifier

1- Multi-Function Controller

1- Flush Mount Bezel

1- Handlebar Mounting Bracket & Hardware Kit

1- Power Harness

1- User Manual

1- Warranty Card

All trademarks and trade names are those of their respective owners.

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IMPORTANT SAFETY PRECAUTIONS

■ BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:
- Do not turn up the volume so high that you can't hear what's around you.
- Use caution or temporarily discontinue use in potentially hazardous situations.
■ Do not operate mobile video equipment while driving a motorized vehicle – safe driving and safety consideration of others should always be your highest priority.
■ Set your volume control at a low setting, then slowly increase the sound until you can hear it comfortably without distortion, or ear discomfort.
■ In the event you should notice smoke, strange noises or odor from this product, or any other abnormal signs, immediately turn off the power and consult your dealer or the nearest authorized *PLANET AUDIO* Service Center. Using this product in this condition may result in permanent damage to the system.

INSTALLATION PRECAUTIONS

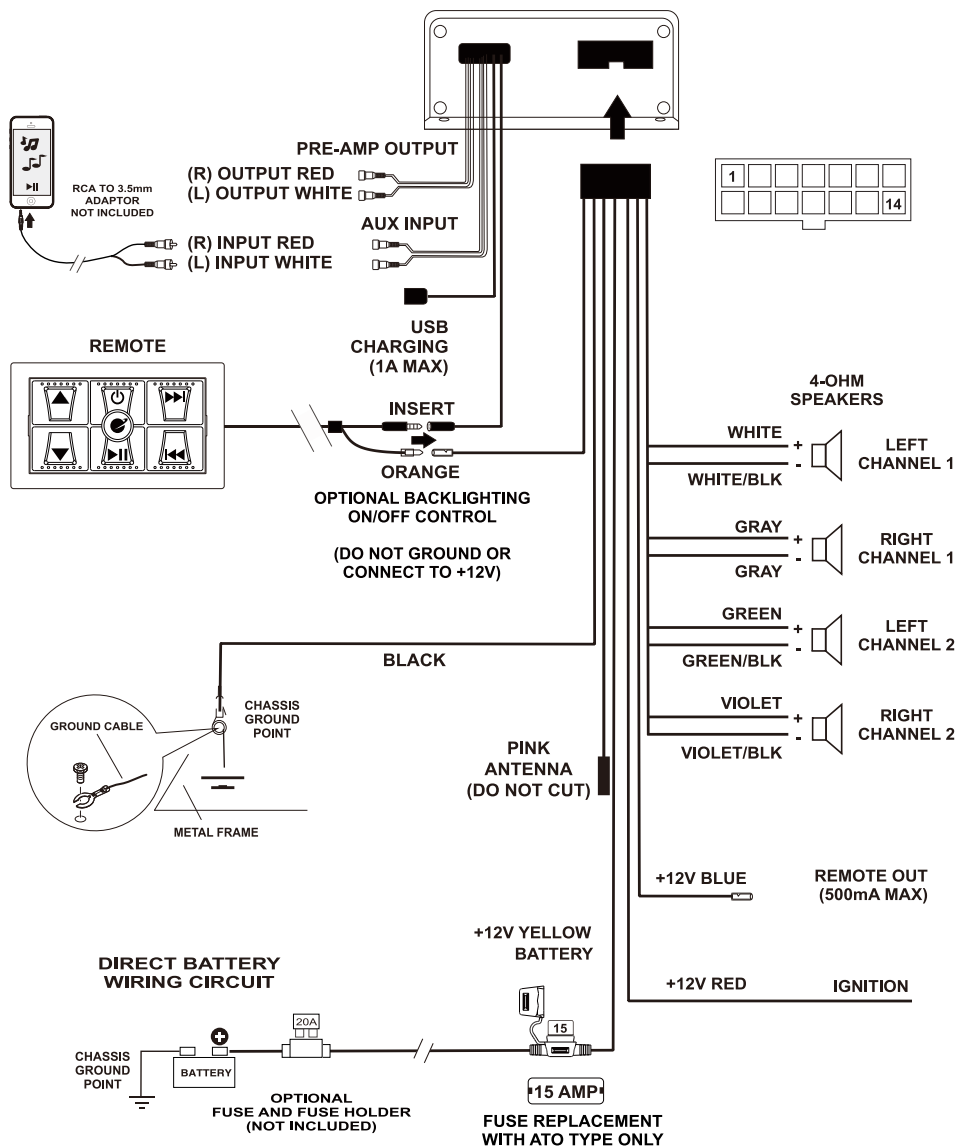### *WARNING - Always consult with a professional installer*

■ Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without professional training and experience in electronic equipment and motorized vehicle accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards
■ Refer any repairs to a qualified *PLANET AUDIO* Service Center
■ The *PSA4CB* should be powered directly to a vehicles battery
■ When wiring directly to the vehicles battery, be sure to disconnect the batteries negative terminal wire before starting any wiring procedures,if extending the main power wire, it is suggested that an optional fuse and fuse holder (not included) with minimum rating of *20 Amperes* be in-line with the positive battery terminal
■ The ground cable length should not exceed 18-inches (See wiring diagram pg 4)
■ The *PSA4CB* has a weather resistant design, it should not be submerged in or under water under any circumstances
■ Use only the installation parts provided with the *PSA4CB*

⚠️ *CAUTION!! Using other mounting methods may void this warranty*

ENGLISH

PRE-AMP OUTPUT

(R) OUTPUT RED
(L) OUTPUT WHITE

RCA TO 3.5mm
ADAPTOR
NOT INCLUDED

AUX INPUT

(R) INPUT RED
(L) INPUT WHITE

USB CHARGING (1A MAX)

REMOTE

INSERT

ORANGE

OPTIONAL BACKLIGHTING ON/OFF CONTROL

(DO NOT GROUND OR CONNECT TO +12V)

BLACK

CHASSIS GROUND POINT

GROUND CABLE

METAL FRAME

PINK ANTENNA (DO NOT CUT)

4-OHM SPEAKERS

WHITE
WHITE/BLK
+ – **LEFT CHANNEL 1**

GRAY
GRAY
+ – **RIGHT CHANNEL 1**

GREEN
GREEN/BLK
+ – **LEFT CHANNEL 2**

VIOLET
VIOLET/BLK
+ – **RIGHT CHANNEL 2**

+12V BLUE
REMOTE OUT (500mA MAX)

DIRECT BATTERY WIRING CIRCUIT

+12V YELLOW BATTERY

+12V RED **IGNITION**

CHASSIS GROUND POINT

BATTERY

20A

OPTIONAL FUSE AND FUSE HOLDER (NOT INCLUDED)

15

15 AMP

FUSE REPLACEMENT WITH ATO TYPE ONLY

1   14

⚠️ *CAUTION!! Do not ground or short the PINK antenna wire*

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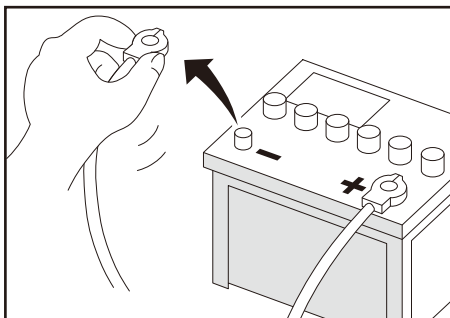
To avoid potential shorts in the electrical system, be sure to disconnect the (–) battery cable before installation. Use this unit with a 12-volt battery and negative grounding only. Failure to do so may result in a fire or malfunction.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

When replacing the fuse, be sure to only use a fuse of the rating specified on this product.

To avoid short-circuiting, cover any disconnected leads with insulating tape. It is especially important to insulate any unused wires, which if left uncovered may cause a short circuit. When connecting other devices to this product, refer to the manual for the product to be connected. The black cable is ground, make sure to connect the ground wire first.

Ensure that the ground cable is properly connected to metal parts of the vehicles body frame or direct to the battery if your vehicle does not have a grounded chassis frame The ground cable of this units power amp and a second powered system must be connected to the frame separately with different screws. If the screw for the ground wire loosens or falls out, it could result in fire or malfunction.

TECHNICAL SUPPORT

**1.805.751.4854**
www.planetaudiousa.com/technical-support
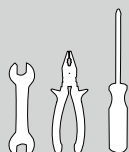
TOOLS NEEDED:
- Wrench and/or Pliers
- #2 Phillips screwdriver
- Crimp tool
- Electrical tape

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The PSA4CB can be mounted in three different configurations:

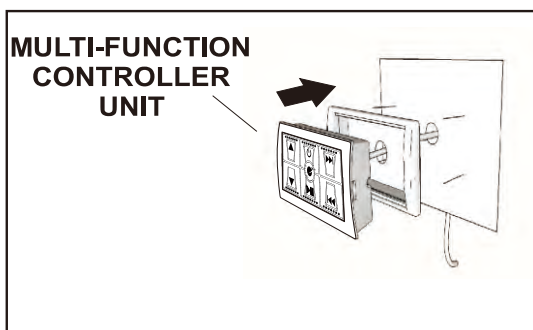### 1 FLUSH MOUNT

The flush mount quick mount bezel requires no screws a, use cutout dimensions: 3-3/16" W x 1-11/16" H (82mm x 43mm)
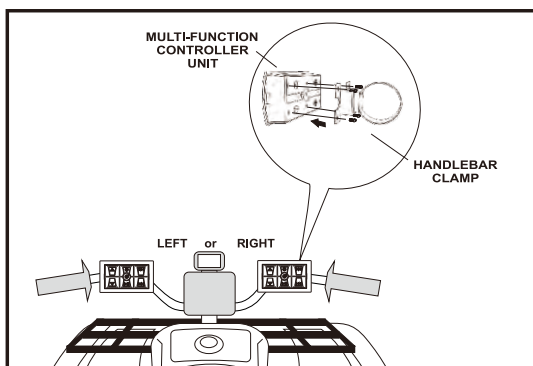

MULTI-FUNCTION CONTROLLER UNIT

CUTOUT HOLE
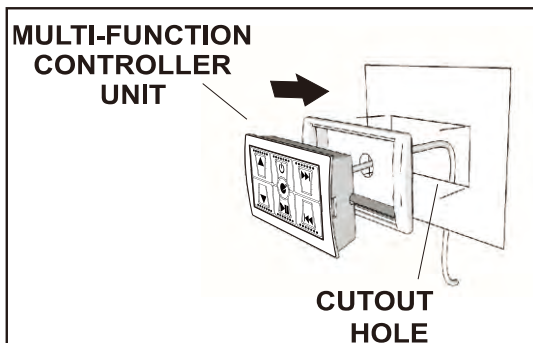
2 SURFACE MOUNT

The flush mount bezel has two recessed screw holes to facilitate the included two oval-head screws.

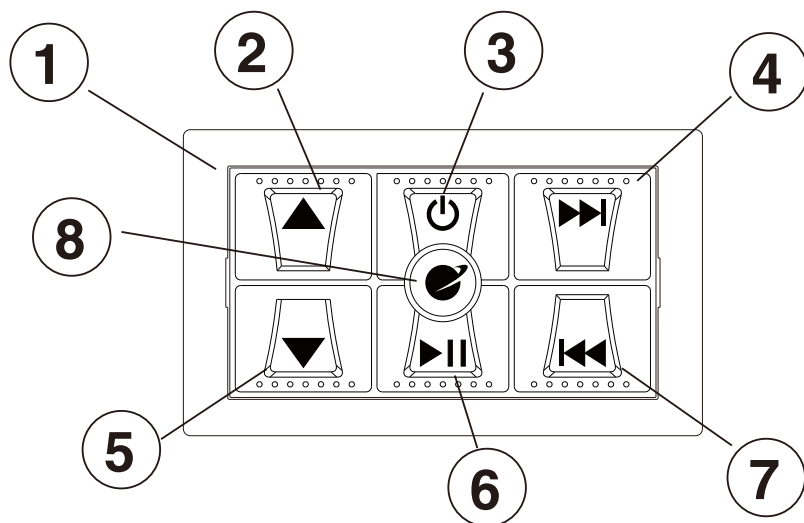
MULTI-FUNCTION CONTROLLER UNIT

3 HANDLEBAR MOUNT

Use provided pan-head screws and stainless steel clamp, there are three mounting variations to secure the stainless steel clamp, try the best one for your application, securely tighten the stainless clamp to fit your application.

MULTI-FUNCTION CONTROLLER UNIT

HANDLEBAR CLAMP

LEFT   or   RIGHT

Tips: To release the *PSA4CB* controller from the mounting bezel, insert a small jewellers screwdriver into the left / right slots of the bezel.

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GETTING TO KNOW YOUR
PSA4CB MULTIFUNCTION CONTROLLER (MFC)

1	**MFC - MULTIFUNCTION CONTROLLER**
2	**VOLUME UP**
3	**POWER / SOURCE - RED = AUX-IN MODE / BLUE = BT MODE**
4	**NEXT TRACK / FAST FORWARD**
5	**VOLUME DOWN**
6	**PLAY/PAUSE**
7	**PREVIOUS TRACK / FAST REWIND**
8	**BLUETOOTH PAIRING INDICATOR - BLUE COLOR**

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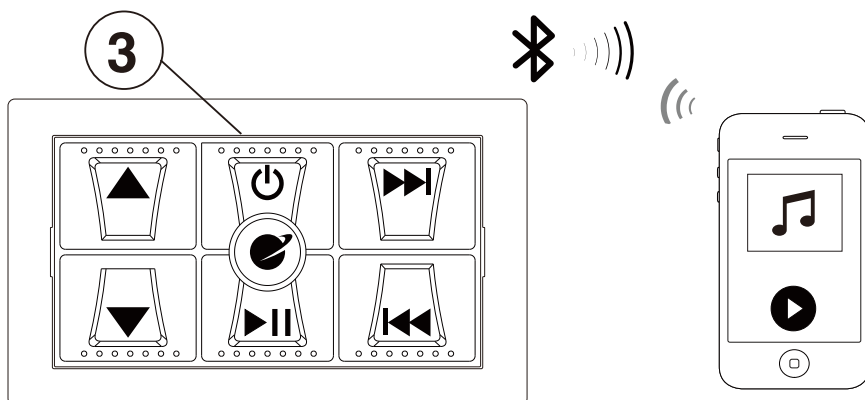
PAIRING & DISCOVERING A NEW BLUETOOTH CONNECTION

1) Power on the **PSA4CB** by pressing and holding down the **Power** ③ button for 2 seconds, the Bluetooth blue LED will start to flash, and a confirmation tone will be heard from the speakers signalling that the **PSA4CB** is now ready for Bluetooth pairing.

NOTE: You have 2 minutes before you must restart this procedure over again.

2) Now that the **PSA4CB** is in pairing mode:

ANDROID users:
    a. Go into the **Settings Menu** of your device
    b. Enter the **Bluetooth Menu** and press **SCAN**
    c. **"Planet Audio"** will now be display under **AVAILABLE DEVICES**
    d. If prompted, enter passcode: "**0000**"

iOS users:
    a. Go into the **Settings Menu** of your **iOS** device
    b. Enter the **Bluetooth Menu**
    c. **"Planet Audio"** will now be displayed
   d. If prompted, enter passcode: "**0000**"

3) If **Planet Audio** is not seen, repeat the above steps to refresh the "**Device List"**

4) When the connection is successful you will hear a confirmation tone, you are now ready to stream music from your devices favorite media player to the **PSA4CB**

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💡 **Tips:**	To avoid battery exhaustion be sure to run the vehicles engine while using this product. Using this product without running the engine can drain the battery.

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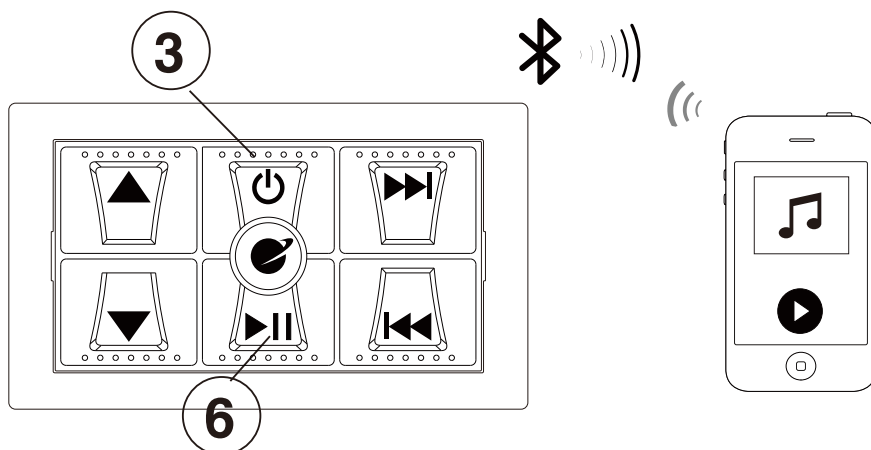
RECONNECTION

1) Power on the **PSA4CB** and your last paired device Bluetooth.

2) The unit will now automatically reconnect, and a confirmation tone will be heard from the speakers

3) If your device was previously paired with the **PSA4CB**, but it wasn't the last paired device:
- a. Ensure no other devices are currently paired
- b. Enter the **Bluetooth Menu** on your device being paired
- c. **"Planet Audio"** will display under **AVAILABLE DEVICES**
- d. Choose **"Planet Audio"** to reconnect

4) If the device is out of range from the **PSA4CB**, it will disconnect automatically:

- a. To reconnect once device is back in range, press the **Power** ③ button once
- b. The **PSA4CB** will now reconnect to the device, a confirmation tone will be heard from the speakers

CLEARING PREVIOUSLY PAIRED DEVICES MEMORY

1) Quick press the **POWER** ③ button **2X**, all **BLUE LED's** will start to flash

2) Press and hold the **PLAY/PAUSE** ⑥ button for 10 seconds, a confirmation tone from the speakers will be heard, the **LED's** will stop flashing, now only the **BT LED** will flash

3) **PAIR** a new device as described on **PG 8**

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(2) **(3)** **(4)**

(5) **(6)** **(7)**
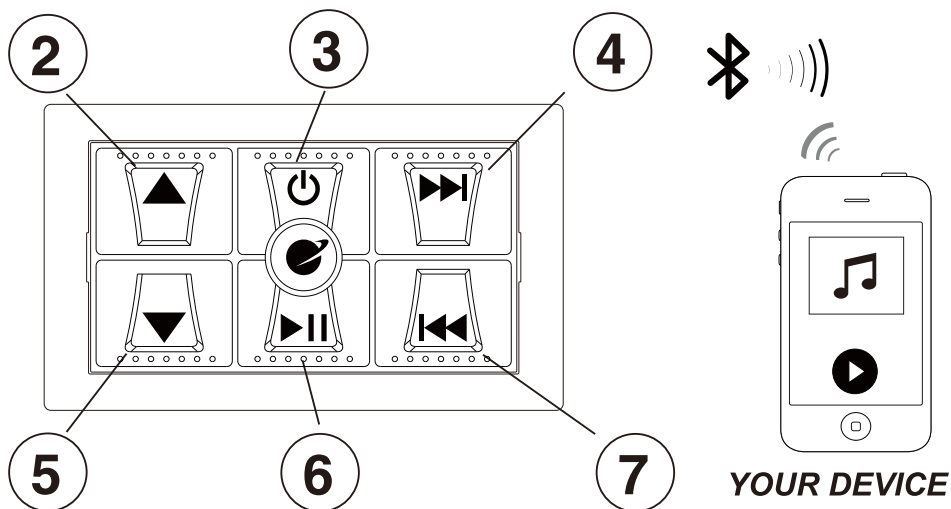
YOUR DEVICE

## MULTIFUNCTION CONTROLLER BLUETOOTH OPERATION

1) Press the **(6)** **PLAY/PAUSE** once to start playing music or press the **PLAY** button from your device touch screen, press again to **PAUSE**

2) To skip songs or advance, press the **NEXT TRACK** **(4)** button, press and hold to **FAST FORWARD**

3) To select the previous song, press the **PREVIOUS TRACK** **(7)** button, press and hold to **FAST REWIND**

VOLUME CONTROL

1) To raise the **VOLUME press UP** **(2)** button

2) To lower the **VOLUME press DOWN** **(5)** button

Tips: Turn the **BLUETOOTH** volume level on your device to it's 100% level

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YOUR DEVICE
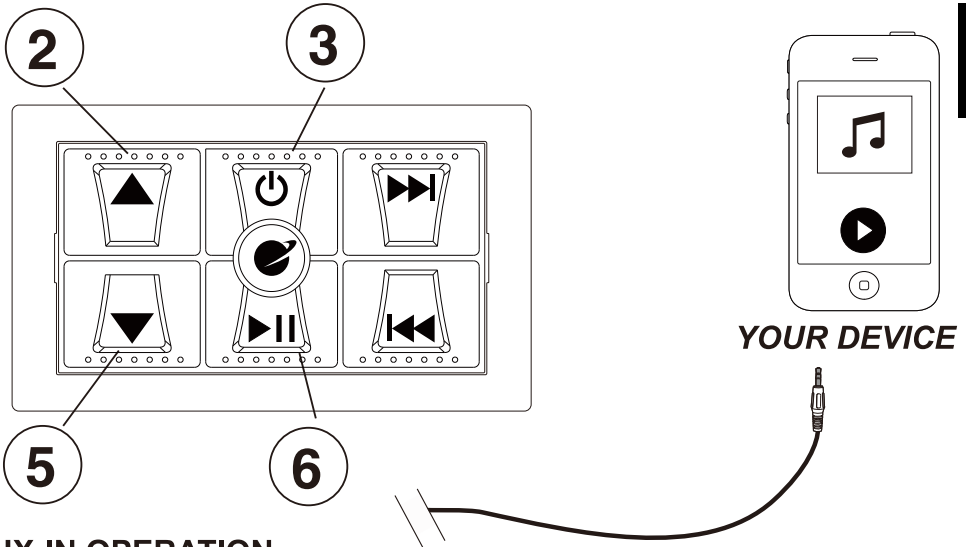
AUX-IN OPERATION

PSA4CB can play audio from any device that has a 3.5mm headphone audio jack.

1) Power on the **PSA4CB** by pressing and holding down the **POWER** ③ button for 2 seconds

2) Short press the **POWER** ③ button again once, the controller **LED** lighting will change to **RED**, indicating the system is in **AUX-IN** mode

3) **Bluetooth** devices will remain paired even in **AUX-IN MODE**

4) Connect the integrated **RCA AUX-IN** cable on the amplifier to a 3.5mm adaptor (3.5mm to RCA adaptor is not included)

5) Route the audio wires back to a convenient stowage place, secure your device.

VOLUME CONTROL

1) To raise the **VOLUME press UP** ② button

2) To lower the **VOLUME press DOWN** ⑤ button

3) To **MUTE / UN-MUTE** the **VOLUME press PLAY/PAUSE** ⑥ button

💡 **Tips:** Turn the **HEADPHONE** volume level on your device to it's 100% level

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FCC COMPLIANCE STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of this device.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. The Bluetooth antenna cannot be removed (or replaced) by user. This equipment complies with FCC/ IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles). Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
□ Relocate or reorient the receiving antenna.
□ Increase the separation between the equipment and receiver.
□ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
□ Consult the dealer or an experienced radio/TV technician for help.

⚠ **CAUTION!!**
ADJUSTMENT OR ALTERATIONS OF THIS DEVICE MAY RESULT
IN HAZARDOUS RADIATION EXPOSURE.

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TROUBLE SHOOTING GUIDE

TROUBLE	CAUSE	SOLUTION
Unit will not turn on	The fuse is blown	Check / replace the fuse
	Ignition not engaged	Turn ignition to on position
No sound is heard	Blown speaker	Replace faulty speaker
	Volume is low / muted	Press the volume level up
	Device is paused or muted	Check your devices playing / volume status
Cannot pair Bluetooth	The Bluetooth function of the device is not enabled	Refer to the user manual of the device for how to enable the Bluetooth function
	The PSA4CB memory is full	Follow how to clear the memory on PG 8
The audio quality is poor after connection with a Bluetooth enabled device	The Bluetooth reception is poor	Move the device closer to the audio system or remove any obstacle between the device and the systems antenna
Unit has become unresponsive	Power glitch or interference	Disconnect power for 10 seconds to reset

SPECIFICATIONS

BLUETOOTH
• BT: 4.0
• BT Range: 33Ft / 10M (Class 2)
• BT Profiles: A2DP

AMPLIFIER
• Channels: 4
• **MAX** Continuous Output: 500W (All channels driven)
• **PEAK** Power Rating - 4Ω: 125W /channel
• **RMS** Total Power Output: 150W
• Class: AB
• Frequency response: 20-20kHz
• Input impedance: 22k Ohm

CHASSIS
• Chassis Dimensions HxDxW :
   1.65"x 7.48"x 5.22" / 42mm x 190mm x 133mm
• Controller Dimensions HxDxW:
   0.81"x3.75"x2.20" / 20.5mm x 95.2mm x 56mm
• Controller cable length: 20ft / 6m
• Backlight illumination control wire
• Quick connect Molex power harness

GENERAL
• Power source: 14.4VDC (10.8V ~ 16V allowable)
• Grounding System: Negative type
• Maximum Current Consumption: 15A
• 3-way protection circuitry (thermal, overload, and speaker short protection)
• USB output voltage: 5VDC @ 1A
• Unit Weight: 2.28lbs / 1.01kg
• Storage Temperature: 5°F to 113°F / -15°C to 45°C
• Operation Temperature: 14°F to 140°F / -10°C to 60°C
• Replacement Fuse: 15A

(Replace with ATO Fuse Type Only)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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USER MANUAL
QUICK INSTALLATION GUIDE

PSA4CB
BLUETOOTH® 4-CHANNEL AMPLIFIER

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FOR A GLOBAL MARKET

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