

BOSS[®]
AUDIO SYSTEMS

 **Bluetooth**[®]

BPS1RS

USER MANUAL

BLUETOOTH[®] AUDIO RECEIVER

FEATURING ROCKER SWITCH DIMENSIONS



Introduction

Congratulations on your purchase, and welcome to BOSS Audio Systems!

This product is designed to directly fit the Carling type switch location. It receives audio via Bluetooth streaming and 3.5 mm AUX jack. The product outputs audio by connection to an external 12V amplifier.

The product has a remote output wire which allows the connected amplifier to automatically turn on or off whenever this product is turned on or off.

The product also has illuminated soft buttons for playback control. The buttons are illuminated blue in Bluetooth mode and red in AUX input mode.

Package Contents

- Bluetooth audio receiver
- User manual and warranty card.

Important

Read and understand all instructions before you use your product. If you do not follow the instructions in this manual, we are not responsible for injury or damage resulting from improper handling. This will also void the warranty.

Important safety precautions

- **Be sure to observe the following guidelines:**
 - Do not increase speaker volume so high that you cannot hear what is around you.
 - Use caution or temporarily discontinue use in potentially hazardous situations.
- Do not make any adjustment on the product when driving or in other situations where distractions can be hazardous. Responsible and safe driving is your primary responsibility when operating a vehicle.

- Start volume at a low setting then gradually increase the volume until you can hear it comfortably, without sound distortion or ear discomfort.
- In the event of smoke, strange noise or odor emitted from the product or any other abnormal operational signs appearing on the product, disconnect the product from the power supply. Discontinue use and contact your dealer or our technical support. Using the product in this condition may result in permanent damage to the system.
- Servicing must only be carried out by a technician. Contact our technical support for any service question.

Installation precautions

- **WARNING: Always consult a professional installer.**
- Before installation, disconnect the negative terminal of the vehicle battery to prevent damage to the product, fire, and/or possible injury.
- If extending the power cable which connects the vehicle battery, we recommend to run the extended cable to the battery through a fuse box (not included) with at least 5A.
- The ground cable should be as short as possible. Connect the ground cable to metal parts of your vehicle, or to the negative terminal on the battery if your vehicle does not have a grounded chassis frame.
- If extending the ground cable to the battery, make sure to use a high quality cable with proper gauge rating.
- Replace a faulty fuse with a new one of the same type and rating.
- Observe the safety and operating instructions of the devices which are connected to the product.
- **DO NOT** use abrasive cleaning materials on the product.
- **DO NOT** submerge the product to water.

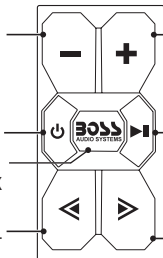
Control Panel

Volume down; hold down to decrease rapidly.

Hold down to power on or off.

Hold down to switch between BT and AUX mode.

Select previous track.



Volume up; hold down to increase rapidly.

Start, pause or resume playback;

in BT mode, hold down to disconnect or re-connect BT;

in AUX mode, press briefly to mute or unmute volume

Select next track.

Mounting

The unit features rocker switch dimensions, and is designed to directly fit the Carling switch location.

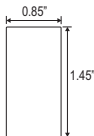
Option 1: Direct fit

Simply insert the unit into an available Carling sized cut-out on the dashboard of your vehicle. No drilling or cutting is required.

Option 2: Hole cutting

Find a suitable location in the dashboard, and cut a rectangular hole (W x H: 0.85" x 1.45"). Then directly fit the unit in the hole.

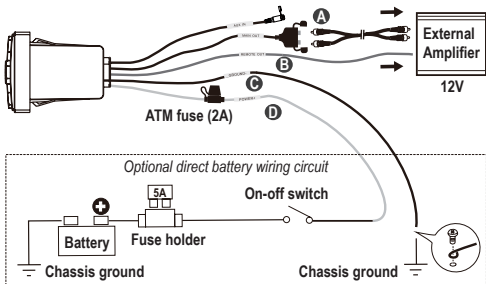
Important! When drilling or cutting any holes on your vehicle, make sure the gas tank, fuel lines, hydraulic lines and electrical wiring are not damaged.



Wiring

Important notes on wiring



- See the section “Installation precautions”.
- Disconnect the negative terminal of the vehicle battery prior to wiring.
- Connect the unit to a 12V DC battery and negative ground only.



- A:** Using RCA cables (not included), connect the MAIN OUT sockets to the RCA input on a 12V amplifier (not included) for sound output.
- B:** Using an 18 gauge wire (not included), connect the REMOTE OUT wire (**blue**) to the remote terminal on the amplifier. This can control turn-on/turn-off of the amplifier whenever the unit is turned on/off.
- C:** Using an 18 gauge wire, connect the GROUND wire (**black**) to the metal frame (chassis) of your vehicle.
- D:** Using an 18 gauge wire, connect the POWER wire (**red**) to the battery (positive terminal). We recommend to connect the battery through a 5A fuse (not included) and on-off switch (not included).






Bluetooth Audio Streaming

Before you can stream music from your mobile phone to this unit, you must pair the unit with your mobile phone through Bluetooth.

1. Make sure the unit is connected to an amplifier for sound output.
2. Press and hold  to turn on the unit. You will hear an audible tone.
 - The unit will automatically switch to Bluetooth mode, and the button backlights will light up blue and flash. This indicates that the unit is not connected and is currently in pairing mode.
3. On your mobile phone, enable Bluetooth then select "Boss Audio BPS1RS" to pair the unit with your mobile phone. If prompted for password, input "0000" on your mobile phone.
 - When the unit successfully connects your mobile phone, you will hear an audio tone, and the button backlights will turn to solid blue.
 - If failed to connect your mobile phone, repeat the steps above.
4. Start audio playback on your mobile phone, audio will be streamed to the unit and will output through the connected amplifier.
 - The unit automatically connects to the last paired device each time the two are powered on.
 - Hold down  to disconnect or reconnect Bluetooth connection.

NOTE: To connect to another device, you have to disconnect the currently connected device then repeat the steps above to pair with a device.

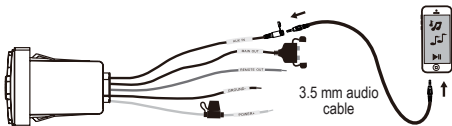
Playback control through Bluetooth



- To start, pause or resume play, press .
- To select the previous or next track, press  or .
- To adjust volume, press  or .
- If there is an incoming call during play, music play will automatically pause. Music play will automatically resume after the call ends.



AUX Audio Input

You can input audio from a playback device (e.g. a mobile phone or MP3 player) through the AUX IN socket (3.5 mm).



1. Make sure the unit is connected to an amplifier for sound output.
 2. Press and hold  to turn on the unit.
 3. Press and hold the  button to switch to AUX mode from Bluetooth mode. The button backlights will turn red.
 4. Using a 3.5 mm audio cable (not included), connect the AUX IN socket (3.5 mm) to the headphone on your device (e.g. a mobile phone or MP3 player).
 5. Start audio playback on the connected device. Audio will output through the connected amplifier.
- To adjust volume, press **+** or **-**.
 - To mute or unmute volume, press briefly **▶||**.
 - The unit's buttons cannot be used to select track and play/pause playback.




Care of the environment

Do not throw away the product with the normal household waste at the end of its life, but hand it in at an official collection point for recycling. By doing this, you help to preserve the environment.

Troubleshooting

Refer to the checklist below to solve the problems when using the product. If problems persist, contact our technical support. Do not attempt to disassemble or modify the product.

Problem	Solution
No power	The fuse is blown. Replace with a new one of the same type and rating.
	The unit is not powered on. Press and hold  on the unit's control panel to turn it on.
No sound	Incorrect source input. Press and hold the BOSS <small>ALCO SYSTEMS</small> button to select Bluetooth or AUX source.
	Volume is minimum. Increase volume using the volume control on the unit or the connected device.
	Make sure the REMOTE OUT wire of the unit is correctly or securely connected to your amplifier.
	Make sure the connected amplifier has correct signal input and output connection (refer to the user manual of the amplifier).
No/poor Bluetooth connection	Make sure Bluetooth is enabled on your device.
	Make sure the device is within Bluetooth range.
	To connect to another device, disconnect the current Bluetooth connection.
	Move the device closer to the unit. Or remove any obstacle between the device and the unit.

Problem	Solution
Poor audio quality	For Bluetooth streaming, move the device closer or remove obstacles or sources of interference that are affecting Bluetooth reception.
	For best audio performance, set the device volume to a minimum 75% before connecting to the unit (Bluetooth and AUX input).
	Make sure your amplifier has correct settings (refer to the user manual of the amplifier).
No response	Power glitch or interference. Disconnect power for 10 seconds then reconnect power.

Specifications

Bluetooth

- Version: 5.0 + EDR
- Profiles: A2DP, AVRCP
- Range: 33 ft/10 m (line of sight)

Audio

- RCA output: 2V RMS
- AUX input: max. 1V RMS
- Input/Output impedance: 10k Ω
- Frequency response: 20Hz - 20kHz
- THD+N: 1%

General

- Power supply: 12V DC (10-16V allowable)
- Current draw: 1A
- Fuse: 2A (ATM mini type)
- Remote output: max. 300mA
- Weight: 0.22 lbs/ 0.1 kg
- Mounting cut-out (W x H): 0.85" x 1.45"
- Dimensions (W x H x D): 1" x 1.93" x 2.36"

Specifications are subject to change without notice.

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1021

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