

BTWP2

BLUETOOTH WALL PLATE

Installation and Operation Manual



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INTRODUCTION

Thank you for choosing the BTWP2. We hope you will find the instructions in this owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new Bluetooth wall plate for maximum enjoyment.

Features

- 12V Bluetooth wireless audio receiver and amplifier
- Digital audio input (TV Connection)
- Simple, Intuitive operation and BT pairing
- 4-Speaker, 2-Zone audio output
- Class-D Amplifier

Precautions

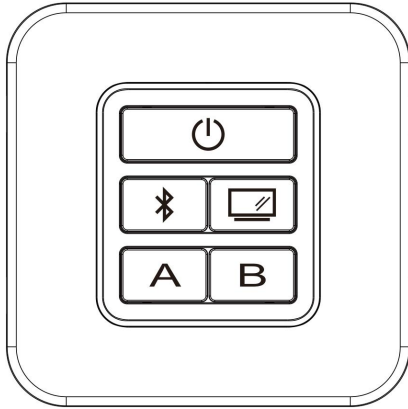
- **Use the Proper Power Supply.**
This product is designed to operate with a 12-volt DC, negative ground battery system (the standard system in a North American vehicle).

- **Use Authorized Service Centers.**
Do not attempt to disassemble or adjust this precision product; contact a professional for assistance.
- **Avoid Moisture.**
To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.
- **Avoid Cleaning Products.**
Clean the front of this unit only with a slightly damp cloth; avoid using cleansers.
- **Use Recommended Accessories.**
To reduce the risk of fire or electric shock and interference: use only the recommended accessories.

WARNING: Minimum recommended load per audio channel is 4 Ohms. Do not connect speakers or a combination of speakers in parallel, which results in a load that is less than 4 Ohms.

Packing List

- BTWP2



INSTALLATION

It is advisable to thoroughly review all instructions prior to commencing the installation process. For optimal results, we recommend engaging the services of a reputable RV dealership for the installation of your wall plate.

Tools and Supplies

You will need the following to install your BTWP2:

- Phillips screwdriver
- Wire cutters and strippers
- Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- Electrical tape
- Crimping tool
- Voltmeter/test light
- Crimp connections
- 16 -18-gauge wire for power connections
- 20-gauge speaker wire
- Four #6 FH x ½" wood screws

Disconnecting the Battery

To prevent a short circuit, turn off 12V power and remove the negative (-) battery cable before installation.

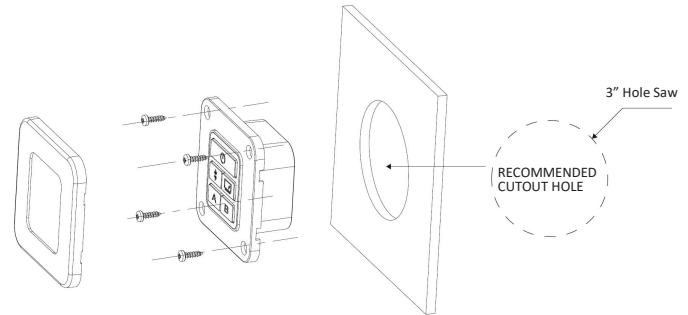
Selecting the Mounting Location

Select a mounting location, taking care to avoid the following:

- Places exposed to heat-radiating appliances such as electric heaters.
- Adjacent to other equipment that radiates heat
- Poorly ventilated or dusty places.
- Moist or humid locations.
- Choose a mounting location on the wall panel that will allow room behind to run the wall plate cables to the power source.

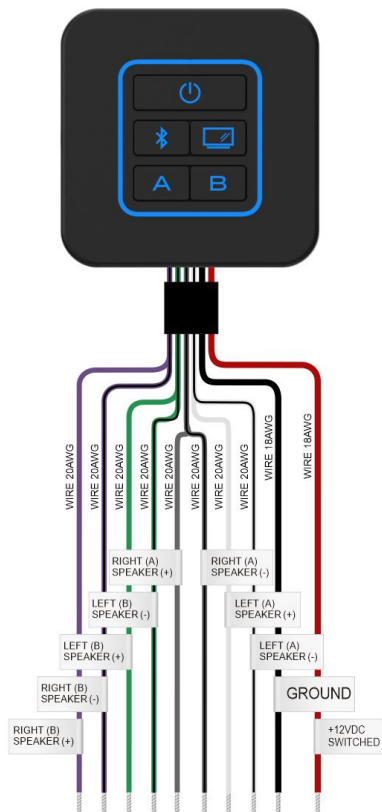
Mounting the Wall Plate

- Use the mounting hole diagram to measure and cut a mounting hole.
- Route power and speaker wires through the hole and connect.
- Check and ensure correct operation.
- Mount the BTWP2 using four #6 FH x ½" wood screws.
- Attach the trim ring.



WIRING

The wiring diagram depicts all the wiring connections required for the unit's proper operation.

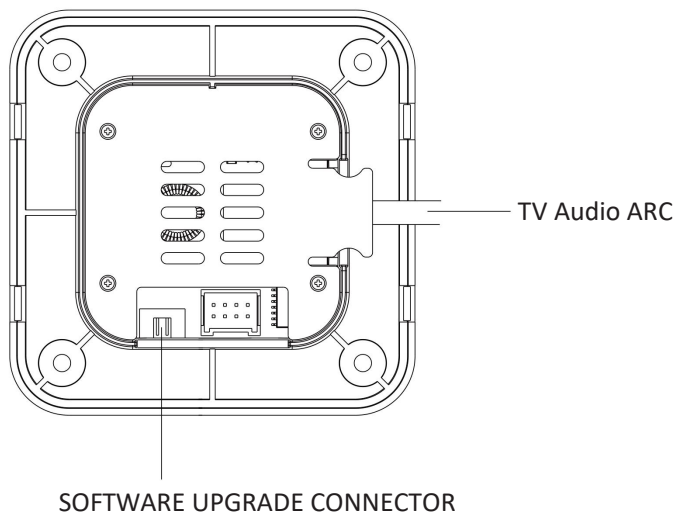


WIRE COLOR	DESCRIPTION
WHITE/BLACK	LEFT (A) SPEAKER (-)
WHITE	LEFT (A) SPEAKER (+)
GRAY/BLACK	RIGHT (A) SPEAKER (-)
GRAY	RIGHT (A) SPEAKER (+)
GREEN/BLACK	LEFT (B) SPEAKER (-)
GREEN	LEFT (B) SPEAKER (+)
VIOLET/BLACK	RIGHT (B) SPEAKER (-)
VIOLET	RIGHT (B) SPEAKER (+)
RED	+12VDC Accessory Power
BLACK	GROUND

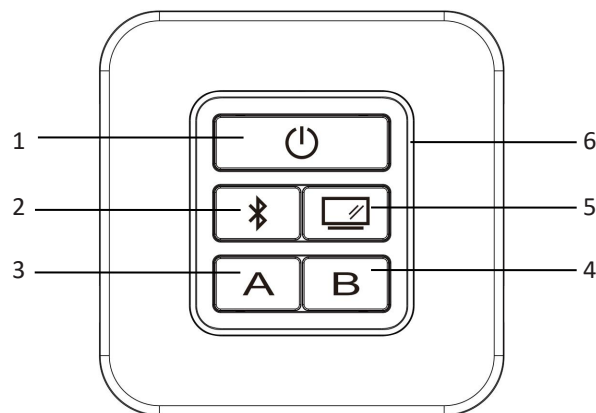
WARNING: Wiring harness comes with stripped and tinned leads to aid in the installation process. Any unused speaker wires must have their exposed ends cut off or insulated individually.

CONNECTIONS

The wiring diagram depicts all the wiring connections required for proper operation of the unit.



BASIC OPERATION



Power

Press the  **Power** button (1) to turn the unit on or off. When turned on, the BTWP2 will resume audio playback of the last mode selected (Bluetooth or TV Audio).

Speaker Zone selection

The **A** button (3) and **B** button (4) on the BTWP2 control the speaker zone audio output. Press the Zone **A** button (3) or Zone **B** button (4) to turn the corresponding speaker zone on or off.

(Note: The Bluetooth mobile device or the TV controls the volume output of the BTWP2.)

RESET

Press and hold the Zone **A** button (3) and Zone **B** button (4) for 10 seconds to restore settings to factory default. When the reset is complete, the border light will blink once.

BLUETOOTH OPERATION

The BTWP2 includes built-in Bluetooth technology that allows you to connect this wall plate to Bluetooth devices for streaming audio playback.

Bluetooth Mode

Press the **Bluetooth** button (2) to select Bluetooth mode, the BTWP2 will audibly prompt “Bluetooth Mode”.

Pairing a Bluetooth Device

Press and hold the **Bluetooth** button (2) for 3 seconds to start the Bluetooth pairing process, the **Bluetooth** button (2) will begin to blink. The BTWP2 will be in pairing mode for 120 seconds. Go into the Bluetooth pairing settings on the mobile device and select “**Bluetooth RV1**” to pair. (Android devices will pop up a pairing request, press pair.) Once the Bluetooth device is connected, the BTWP will audibly prompt “Bluetooth Connected”.

Bluetooth Play/Pause

Press the **Bluetooth** button (2) during playback to pause the Bluetooth audio playback. The BTWP2 will audibly prompt “Pause”, and the border light (6) will blink. Press the **Bluetooth** button (2) again to resume playback. The BTWP2 will audibly prompt “Play”. When changing modes, the mobile device audio will pause. Press the **Bluetooth** button (2) to return to Bluetooth mode and the mobile device will resume audio playback.

NOTE: If a Bluetooth device is disconnected due to the power being turned off or if the device is disconnected inadvertently, the unit will automatically search for the matching BT mobile phone when the power is restored.

Bluetooth Device Name Change

If more than one BTWP2 is installed in the RV, the Bluetooth device name can be changed from “**Bluetooth RV1**”, to “**Bluetooth RV2**”, or “**Bluetooth RV3**”. This will help differentiate between BTWP2 units listed in the Bluetooth settings of the mobile device.

Press and hold the **Bluetooth** button (2) and **TV** button (5) simultaneously for 3 seconds. There will be audible “Beeps” and the BTWP2 border light will flash. After the process is completed, an audible prompt indicates the current mode.

- One beep = “Bluetooth RV1”.
- Two beeps = “Bluetooth RV2”.
- Three beeps = “Bluetooth RV3”.

TV AUDIO OPERATION

Connect an ARC audio interface cable from the Jensen TV to the BTWP2 wall plate. When TV audio mode is selected, the TV audio will play through the BTWP2 speakers.

TV Audio Mode

Press the **TV** button (5) to select TV Audio Mode. The BTWP2 will audibly prompt “TV Audio”.

TV Audio Mute

During TV audio playback, press the **TV** button (5) to mute the audio output. The BTWP2 will audibly prompt “TV Audio Mute” and the border light (6) will blink. Press the **TV** button (5) again to restore TV audio. The BTWP2 will audibly prompt “TV Audio Play”.

CARE AND MAINTENANCE

Keep the product dry. If it does get wet, wipe it dry immediately. Liquids might contain minerals that can corrode electronic circuits.

Keep the product away from dust and dirt, which can cause premature wear of parts.

Handle the product gently and carefully. Dropping it can damage circuit boards and cases and can cause the product to work improperly.

Wipe the product with a dampened cloth occasionally to keep it looking new.

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the product.

Use and store the product only in environments with normal temperatures. High temperatures can shorten the life of electronic devices, damage batteries, and distort or melt plastic parts.

Ignition

The most common source of noise in reception is the ignition system. This results from the radio being placed close to the ignition system (engine). This type of noise can be easily detected because it will vary in pitch intensity with the speed of the engine.

Usually, the ignition noise can be suppressed considerably by using a radio suppression type high voltage ignition wire and suppressor resistor in the ignition system. (Most vessels employ this wire and resistor, but it may be necessary to check them for correct operation). Another method of suppression is the use of additional noise suppressors. These can be obtained from most CB/A radio or electronic supply shops.

FCC Notice

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 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to 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.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment complied with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

NOTE: This device complies with Part 15 of the FCC rules. Operation is subjected to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Troubleshooting

SYMPTOM	SOLUTION
Wall plate will not turn ON.	Try resetting the BTWP2 by pressing the “A” & “B” buttons simultaneously for 10 seconds.
	Check for +12V on accessory wire to wall plate (RED wire).
	Check Ground connection.
There is no audio output from the BTWP2. (Note: The BT device or TV controls the volume output of the BTWP2.)	Check if the Bluetooth playback is paused or if the TV audio is muted. Mode buttons will blink when paused or muted.
	Try resetting the BTWP2 by pressing the “A” & “B” buttons simultaneously for 10 seconds.
	Verify proper speaker zone selections.
	Verify proper speaker connections.
Bluetooth device will not connect/pair.	Check for shorts or open circuits on speaker wires.
	Please ensure the wall plate is in the Bluetooth pairing process. The Bluetooth button will blink.
	On your smart device, turn Bluetooth off and on and try Bluetooth pairing process again.
Loss of TV audio.	Please ensure audio format on your TV is set to “PCM”.
	Try resetting the BTWP2 by pressing the “A” & “B” buttons simultaneously for 10 seconds.

SPECIFICATIONS

Amplifier

Power.....	12VDC
Max Current.....	5A
RMS Audio Output.....	10W x 4 @ 4-Ohms
Max Audio Output	15W x 4 @ 4-Ohms
Freq. Response.....	20Hz – 20KHz

General

Frequency Band(s) (For Bluetooth)	2.4GHz
Maximum radio-frequency power transmitted (for Bluetooth)	4dBm.
Power Supply Requirements.....	DC 12 Volts, Negative Ground
Operating Voltage.....	10-16 VDC
Idle/Standby Current.....	< 50mA
Overall Dimensions.....	3.5" (W) x 1.44" (D) x 3.5" (H)
Mounting Dimensions.....	2.36" (W) x 1.08" (D) x 2.36" (H)
Weight.....	4.94oz.



2602 Marina Drive • Elkhart, IN 46514

www.asaelectronics.com

ASA Electronics Corporation

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