

JBL

Operation Manual for Users

Model No.: JBL-R4500



JBL-R4500

Table of Contents -----	1
Product Description -----	2
Front Panel -----	3
General Operation -----	4-7
Radio Section Operation -----	8-9
Bluetooth Section Operation -----	10-11
USB Section Operation -----	12-13
Auxiliary Input -----	14
RCA output -----	14
Wiring Identification -----	15
Installation Bulletin -----	15
Installation -----	16
Troubleshooting -----	17

Product Description



This radio features state of the art Bluetooth technology allowing music to wirelessly stream from an audio source to the receiver you just purchased. Why Bluetooth? From a practical standpoint, Bluetooth enables your music device (if applicable) to be placed in a glove box, your overhead console, or even your pocket—places that are dry—without having to install a separate docking station. In addition, Bluetooth audio streaming will work with any Bluetooth enabled device, not just one brand of media. Once connected, you can use your receiver to control your media device and vice versa! Bluetooth has a range of approximately 30', depending upon conditions, so once your boat is parked, feel free to control the stereo through your media device!

The JBL-R4500 incorporates the following features:



AM/FM/WB/RBDS



Bluetooth Audio Streaming



USB input



Auxiliary input



Waterproof faceplate



4x55W Peak @ 4 ohms



U.S., European, and Japanese tuning



Charging through USB



3 pair of RCA output



2 ohm stable



NMEA2000 Ready



Wired Remote Ready (Compatible with MIL-REM80 and INF-REM1 remotes)

Product Description

FCC Statement:

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:

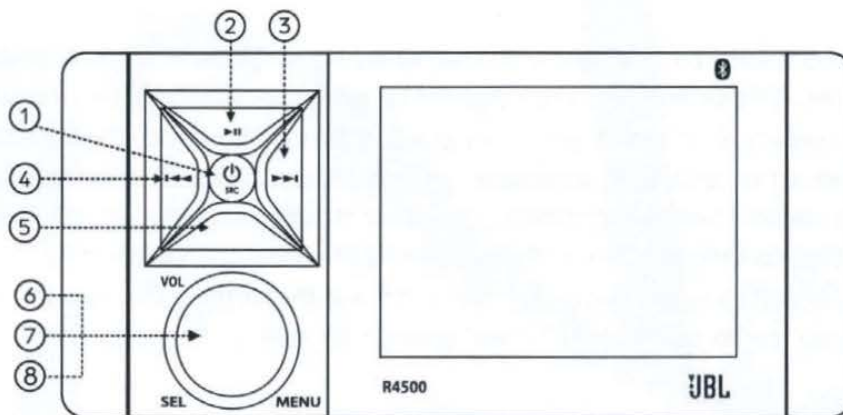
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Front Panel



1. POWER ON/OFF BUTTON

MODE FUNCTION BUTTON



2. PLAY/PAUSE BUTTON

MUTE FUNCTION BUTTON



3. TRACK UP / TUNE UP / FAST FORWARD



4. TRACK DOWN / TUNE DOWN / REWIND



5. RETURN BUTTON



6. VOLUME INCREASE / DECREASE KNOB



7. SELECT FUNCTION KNOB




8. MENU BUTTON

General Operation

1. **Power On/Off and Mode Switch**

Press for the first time to turn the unit on.

Press and hold for more than 3 seconds to turn the unit off.

With unit powered on, press  repeatedly to switch mode as follows:



FM --> AM --> WB --> BT MUSIC --> USB --> AUX.

2. **Play or Pause / Mute**


In BT MUSIC and USB mode, press  repeatedly to play or pause track.

In Radio and AUX mode, press  to mute sound output, press again to resume.



3. **Track Up / Tune Up / Fast Forward**

In Radio mode, press  to work as Auto Tune. Press and hold  to activate Manual Tune, then press repeatedly to tune by step. (It will revert to auto tune status if you do not press this button within 5s after Manual tune is activated.)


In BT MUSIC or USB mode, press  to select the next track.

In USB mode, press and hold  to fast forward.

4. **Track Down / Tune Down / Rewind**


In Radio mode, press  to work as Auto Tune. Press and hold  to activate Manual Tune, then press repeatedly to tune by step. (It will revert to auto tune status if you do not press this button within 5s after Manual tune is activated.)


In BT MUSIC or USB mode, press  to select the previous track.

In USB mode, press and hold  to rewind.

5. **Return**

In any source playing status, press  to go back to Home Screen.

In Sub-menu, press  to go back to previous display.

In Sub-menu, press and hold  over 3s to go back to Home Screen directly.

6. **VOL Volume Increase / Decrease Knob**

In all modes, turn the knob clockwise or counter clockwise to adjust master volume level (0~45) in any playing status. (See next page for zone volume control).

7. **SEL Select Knob**

In menu selection mode, press **SEL** to confirm selection.

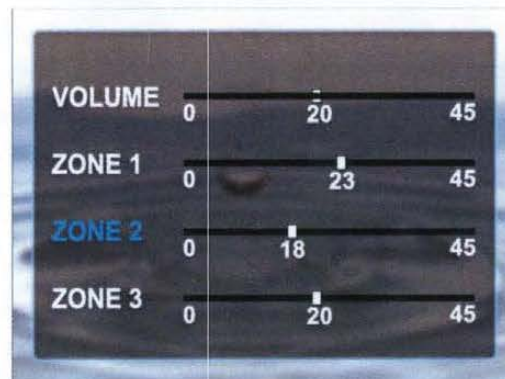
8. **MENU Menu Knob**

In source playing status, press **MENU** to activate sub-menu of current playing source. Press and hold **MENU** over 3s to enter Settings directly. (See details in each source operation.)

General Operation (SETUP)

1. Master / Zone Volume Control

Turn the knob clockwise or counter clockwise to adjust master volume level (0~45) in any playing status, each zone volume will change simultaneously. To adjust a Zone volume separately, press SEL knob at volume display status, turn VOL knob to select among ZONE1, ZONE2 and ZONE3, press SEL knob at desired zone and turn the knob again to adjust zone volume level.



2. Enter SETUP

There are two ways to enter Setup.

- Press RETURN button to display Home Screen, then turn VOL knob and press SEL knob when SETUP appears..
- Or enter SETUP by pressing and holding MENU knob for 3s while the source unit is playing. Turn VOL knob to move amongst Audio, System, Bluetooth, and About; press SEL knob at desired setup.



Note: If no operation occurs, it will revert back after 5s.

2-1. Audio Settings

Press SEL knob at AUDIO being highlighted to enter Audio Settings. Turn VOL knob and push SEL knob to select sub-features, then turn VOL knob to adjust the level of each sub-features.

BASS: Minimum -7 to maximum +7.

MIDRANGE: Minimum -7 to maximum +7.

TREBLE: Minimum -7 to maximum +7.

BALANCE: L10 (full left) to R10 (full right).

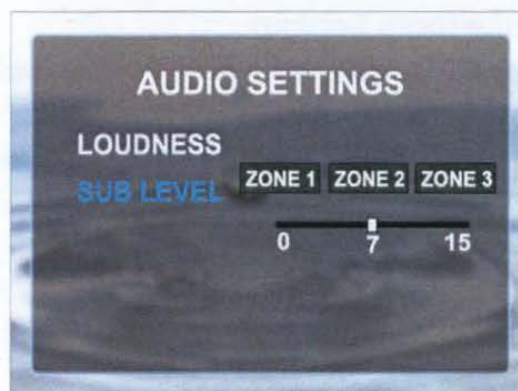
PRESET EQ: OFF, FLAT, JAZZ, POP, CLASSICAL, ROCK, VOCAL, TECHNO.



General Operation (SETUP)

LOUDNESS: OFF, ON.

SUB LEVEL: At Sub Level, turn VOL knob to toggle amongst ZONE1, ZONE2, or ZONE3 and push SEL knob at desired zone; turn VOL knob again to adjust the Sub Level from Minimum 0 to maximum 15.



2-2. System Settings

Press SEL knob at SYSTEM being highlighted to enter System Settings.

Press VOL knob to select sub-features, then turn VOL knob to adjust the level of each sub-features.



BRIGHTNESS: This feature controls the brightness of the display panel. It is adjustable from 0 to 7.

I-VOL: This feature controls the initial volume level of next power on. Turn the knob to adjust volume level (0-45) in any playing status.

If the volume is set less than I-VOL, it will memorize the volume set after restarting the unit. If the volume is set higher than I-VOL, it will memorize the I-VOL after restarting the unit.

BEEP: This feature controls the beep sound when button was pressed.

BEEP ON: You can hear the beep sound each time you press the buttons.

BEEP 2ND: You will only hear the beep sound when the buttons are held down for more than 2 seconds.

BEEP OFF: You will not hear the beep sound when you press the buttons.

REGION: The Tuner Region is optional for EURO, USA, JAPAN.

(Note: with wrong Region selected, the tuner reception might be affected.)

General Operation (SETUP)

2-3 Bluetooth Settings

Press SEL knob while in BT mode to enter Bluetooth settings. Turn VOL knob to select sub-features, then turn VOL knob to adjust the level of each sub-features.

AUTO CONNECT: If you don't want to auto connect to last paired phone, just set Auto Connect to OFF. It will default at ON.

DEVICE NAME: R4500. Select correct Device Name when you search for Bluetooth connection on your phone.



2-4. About

Press SEL knob at ABOUT being highlighted, it will show the firmware information of the product. With firmware information being displayed, press and hold the VOL knob for more than 5 seconds to display **Factory Reset**. Press SEL knob to confirm, the unit will be initialized and restarted.

Note: Once Factory Reset is carried out, prior presets will be cleared, and you will need to setup the features and Global Presets once again.



Radio Section Operation

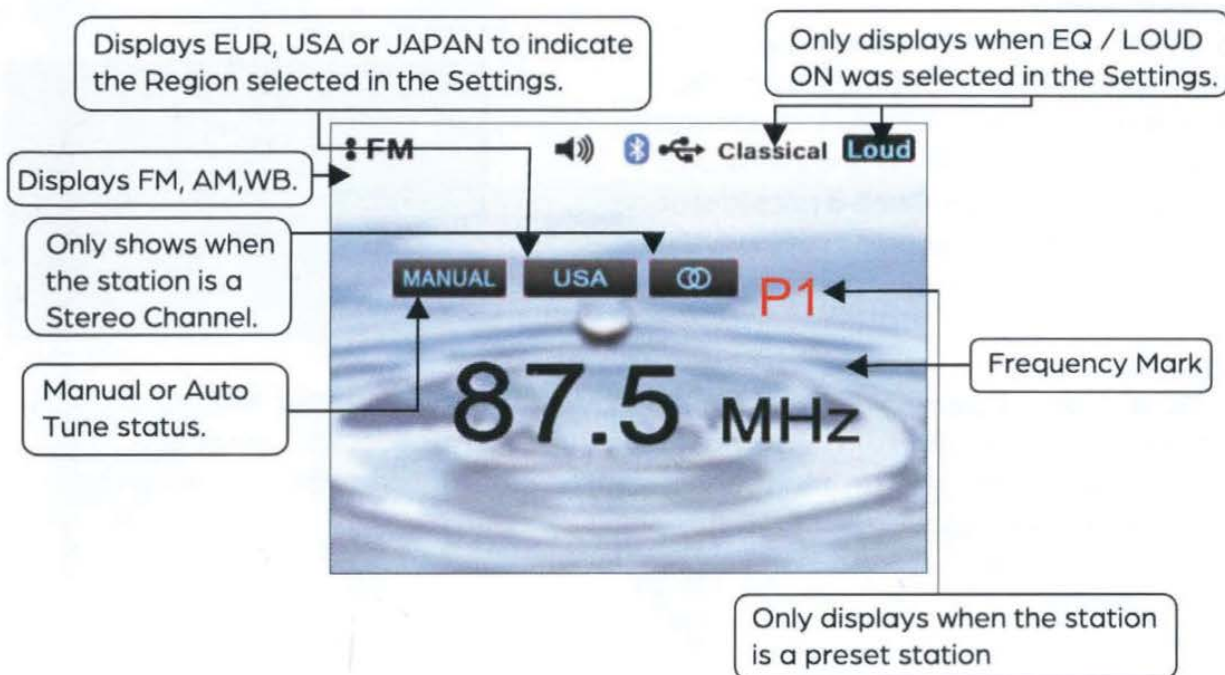
1. To Select Radio mode

Press RETURN button to display Home Screen, then turn VOL knob and press it to select AM, FM or WB mode. (The foreground popup icon refers to the source changing.)

Or simply repeat press SRC button to select the desired mode.



2. Radio Screen Description



Radio Section Operation

3. Auto Tuning

In FM, AM, WB playing mode, press Tune up or down button to activate auto tune. This results in automatically stopping at next station of sufficient signal strength.

4. Manual Tuning

In FM, AM, WB playing mode, long press Tune up or down button for 2s. This will activate manual tune with MANUAL display on the top area. Then repeatedly press Tune up or down button to tune frequency by steps.

Note: Radio will revert back to AUTO tune mode after 5s without operation.

5. Station Save

At your favorite station, press the MENU knob to enter Tuner Settings, press VOL knob at SAVE AS PRESET to show the Global Preset list, then turn VOL knob to select a preset No. and press it to save the station into Preset List. The Preset No. will display once the station is saved.

Note: It will revert back to previous display after 5s without operation.

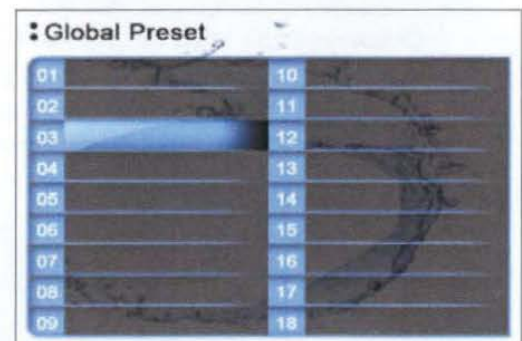
6. Recall Preset Station

In Radio (FM, AM, WB) source, press the MENU knob to enter Tuner Settings, turn VOL knob and press at PRESET RECALL to show the Global Preset list, turn the knob and press again at a desired Preset station. Once a preset station is selected, it will switch to source playing with the selected station information displayed.

7. RDS Functions

Press MENU button in Radio source playing to display the Tuner Settings screen, turn VOL knob and press it at RDS, then turn VOL again and press it to select RDS on or off.

With RDS on selected, the station information, such as station name, title, etc would be displayed if the received station is a RDS station.



Bluetooth Section Operation

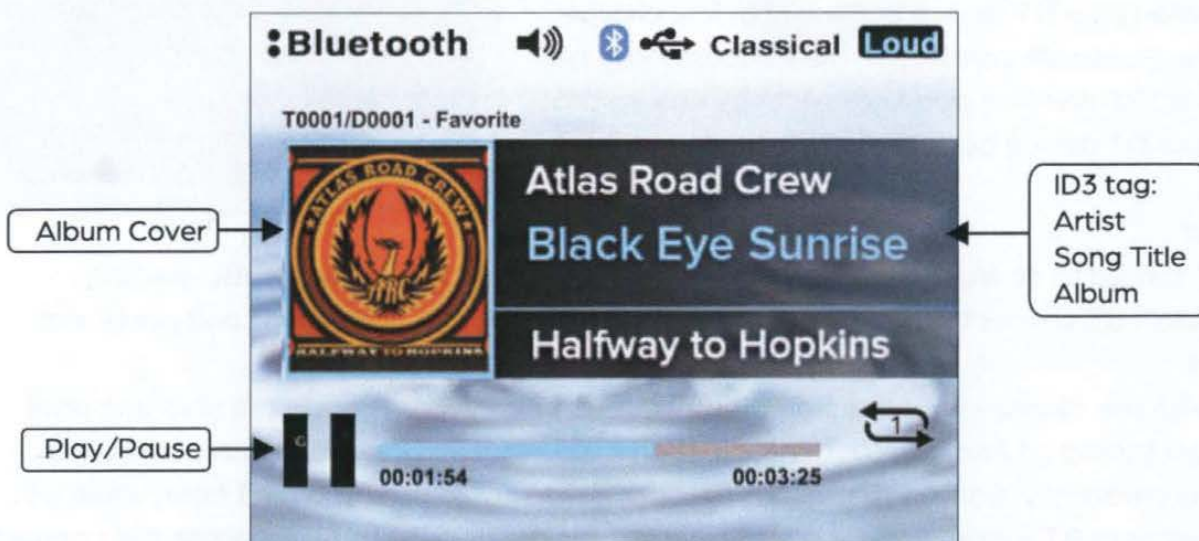
1. To Select Bluetooth mode

Press RETURN button to display Home Menu, then turn VOL knob and press it to select Bluetooth mode. (The foreground pop up icon refers to the source changing.)

Or repeat press SRC button to select the desired mode.



2. Bluetooth Screen Description



Note: Display of album artwork and/or artist information is a function of the Bluetooth source and may not be supported on all devices.

Bluetooth Section Operation

3. Pair BT Device

In Bluetooth source, pick "R4500" option on your Bluetooth enabled device.
(if you are prompted for a password, the code entered will be "0000 or 1234".)

Note: The Bluetooth pairing only happens with unit in Bluetooth mode.

4. Play/Pause Play

Once the BT device being paired is successful, music will begin to play.

Note: For some Bluetooth enabled phones, you may need to activate play from your phone first. It depends on the phone itself.

While BT Music is playing, press the PAUSE button to pause the playback, and press it again to resume playback.

Note: **||** refers to PAUSE; **▶** refers to PLAY.

5. Disconnect

In BT Music playing mode, in order to disconnect the BT device, press MENU to display Bluetooth Settings, turn VOL knob and press it at Disconnect.

Note: When your BT device battery is at low charge, the Bluetooth connection may occasionally be lost. To maintain good connectivity ensure that your BT device battery is adequately charged.



6. Connect

With BT turned to on from your music device, but disconnected from the JBL-R4500, to re-establish BT connection press MENU to display BT settings. Turn knob and press it at Connect.

Note: With the Bluetooth connection disconnected, once you power on the unit next time, you should go into Bluetooth mode, then it will establish the Bluetooth connection automatically. Sometimes, with Bluetooth mode not in use for over 1 hour, when you switch to BT mode again, it might take some time (5~10s) to re-establish the connection by itself.

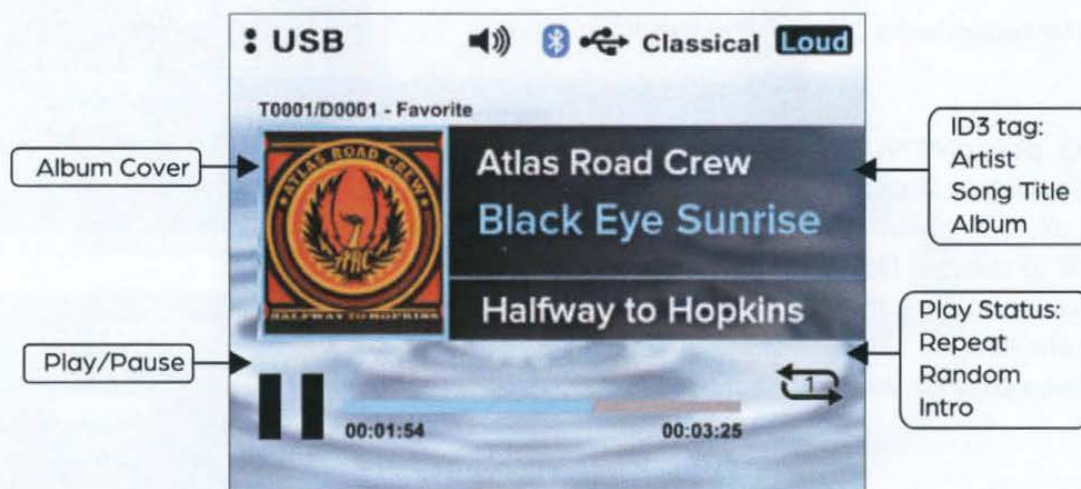
USB Section Operation

1. To Select Bluetooth mode

Press RETURN button to display Home Menu, then turn VOL knob and press it to select USB mode. (The foreground pop up icon refers to the source changing.)
Or repeat press SRC button to select the desired mode.



2. USB Screen Description



3. Play / Pause

While USB is playing, press the PAUSE button to pause the playback, and press again to resume playback.

Note: **||** refers to PAUSE; **▶** refers to PLAY.

4. Track Up/Down

While USB is playing, press the TUNE Up/Down button to select the next or previous track.
To fast forward or rewind, press and hold TUNE Up/Down button.

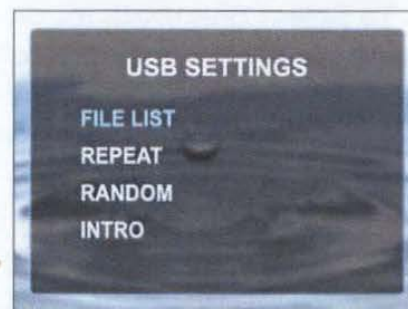
USB Section Operation

5. FILE LIST (Folder / File Search)

While USB is playing, press MENU button to show USB settings, press SEL knob to enter file list, it will display all the tracks in current playing folder.

- To select other tracks in current folder, turn VOL knob and press it at desired track.
- To select the track in other folders, press SEL button at the desired folder.

Note: The R4500 supports a maximum of 9999 files and 256 directories on USB flash drives



6. Repeat play

While USB is playing, press MENU button to show USB settings, turn VOL knob and preset it at Repeat, then turn VOL knob to select one, folder or all.

- Select Repeat One to play current track repeatedly.
- Select Repeat Folder to repeatedly play the tracks in current folder.
- Select Repeat All to repeatedly play all the tracks in drive.



7. Random play

While USB is playing, press MENU button to show USB settings, turn VOL knob and press at Random, then turn VOL knob to select off, folder or all.

- Select Random off to disable Random play.
- Select Random Folder to play the tracks in current folder in a random sequence.
- Select Random All to play all the tracks in the USB device randomly.



8. Intro Play

While USB is playing, press MENU button to show USB settings, turn VOL knob and press it at Intro, then turn VOL knob to select off, folder, or all.

- Select Intro off to disable Random play.
- Select Intro Folder to play the first 10s of the tracks in current folder.
- Select Intro All to play the first 10s of all the tracks in current directory.



Auxiliary Input Mode

1. To Select AUX mode

Press RETURN button to display Home Menu, then turn VOL knob and press it to select AUX mode. (The foreground pop up icon refers to the source changing.)
Or repeat press SRC button to navigate to AUX mode.

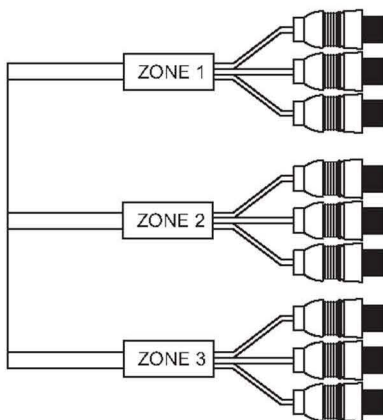


The use of auxiliary mode allows you to play the portable music device through the headphone jack.

Note: An additional accessory/adaptor must be purchased in order for this to happen.
Prospect's part, SEAMINI2 or SEAUSBMINI36 fulfills this option.

RCA OUTPUT

Description: The use of RCA outputs allow an amplifier or subwoofer to be hooked up.



Each RCA has a Left Channel, Right Channel and a Subwoofer channel which is distinguished by a unique color O-ring on each RCA:

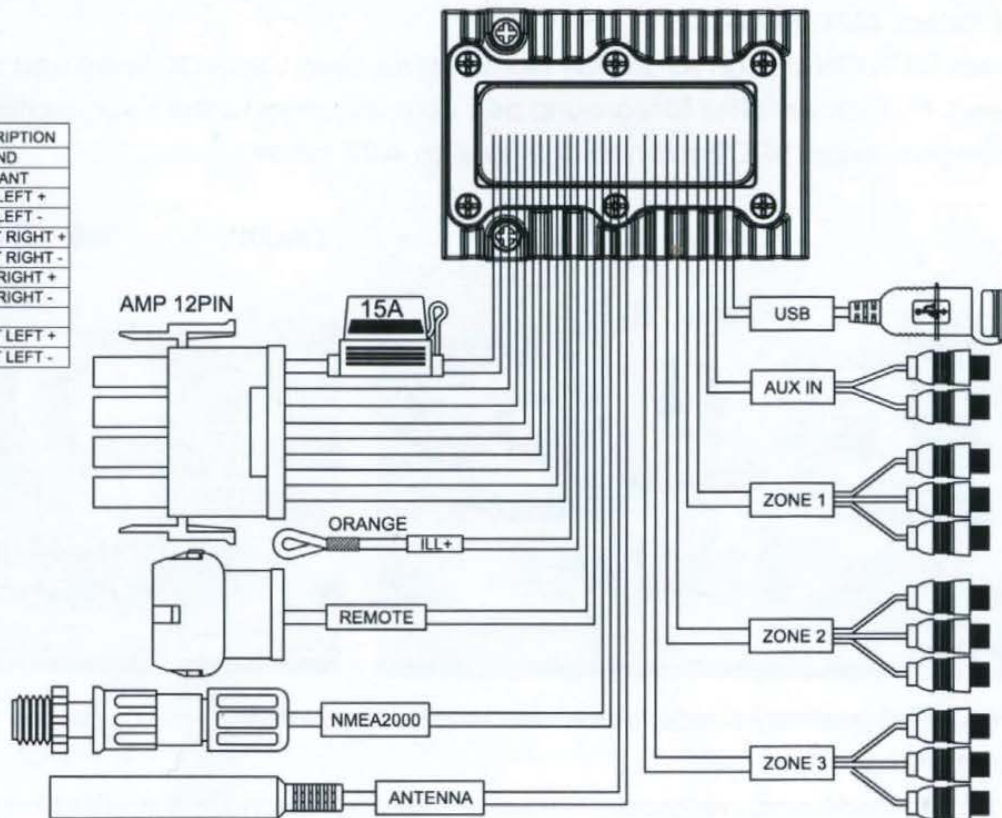
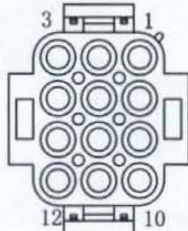
- Red: Right Channel
- Black: Left Channel
- Clear: Subwoofer

The subwoofer channel is set as 80Hz low pass filter and the subwoofer gain level for each zone can be adjusted in Audio Settings (refer to page 6).

Wiring Identification

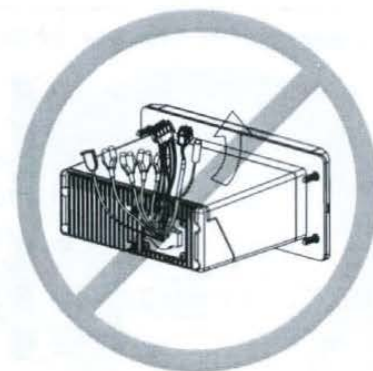
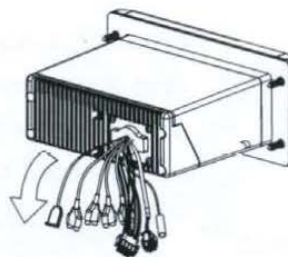
NO	COLOR	DESCRIPTION
A1	BLACK	GROUND
A2	BLUE	AUTO ANT
A3	GREEN	REAR LEFT +
A4	GREEN/BLACK	REAR LEFT -
A5	GRAY	FRONT RIGHT +
A6	GRAY/BLACK	FRONT RIGHT -
A7	VIOLET	REAR RIGHT +
A8	VIOLET/BLACK	REAR RIGHT -
A9	RED	ACC
A10	WHITE	FRONT LEFT +
A11	WHITE/BLACK	FRONT LEFT -

Power & Speaker Connection

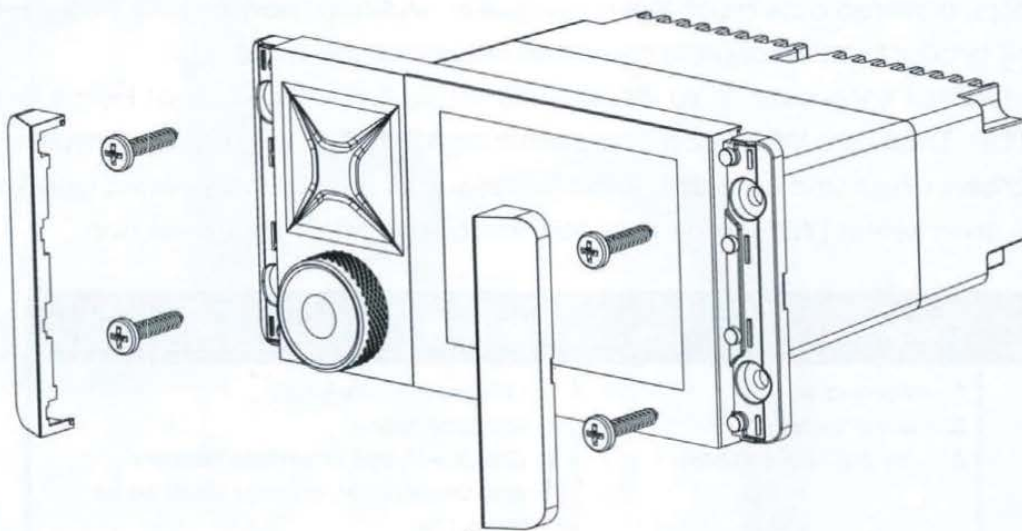


INSTALLATION BULLETIN

To avoid possible water ingress into wire harness area, route the harness in the downward direction as shown below on the left. Do not route the harness in the upward direction as shown on the right.



Installation



A mounting gasket has been added inside the package for convenience. Trace along the inside edge and this will be your cutout.

Mounting Illustration

1. Please install this unit in the place you prefer.
2. Using your traced line, cut the rectangular opening and then utilize screws to install the source unit to the substrate.

Troubleshooting

*Note: In many respects, a stereo acts much like a computer and occasionally requires a reboot. In the unlikely event of product malfunction, a reset can usually fix the issue.

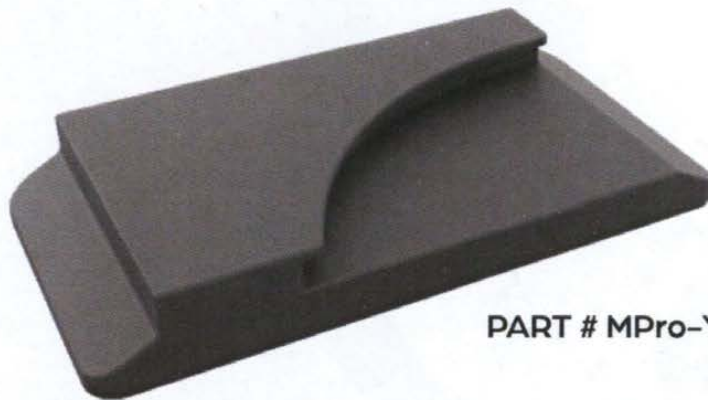
Reset: Press and hold **MENU** knob over 3s to display SETUP, or turn **VOL** knob at Home Screen and push **SEL** at SETUP. Then turn **VOL** knob and push it at **ABOUT**. It will display firmware information on the screen; press and hold **SEL** knob for about 5s until Factory Reset appears on the display screen, then select [YES] and press **SEL** knob to confirm your selection.

ISSUE	CAUSE	SOLUTION
No power	<ol style="list-style-type: none"> 1. Incorrect wiring 2. Fuse is blown 3. Low battery voltage 	<ol style="list-style-type: none"> 1. Double check wiring. 2. Replace fuse 3. Check voltage of vehicle battery with multimeter. Voltage must be at least 11V.
No Sound	<ol style="list-style-type: none"> 1. Speaker connection came loose 2. Bad speaker 3. Output blown 4. Volume too low 	<ol style="list-style-type: none"> 1. Double check connections. 2. Replace bad speaker with known good speaker and connect. 3. Send unit in for repair. 4. Increase volume of media device
No Reception	<ol style="list-style-type: none"> 1. Antenna not firmly seated in socket. 	<ol style="list-style-type: none"> 1. Insert firmly
USB stick not reading	<ol style="list-style-type: none"> 1. File must be a mp3 or wma file 	<ol style="list-style-type: none"> 1. Convert format to mp3 or wma.
While in Bluetooth mode:		
No Connection	<ol style="list-style-type: none"> 1. You are not connected to the "R4500" address on your portable media device. 2. Out of range 3. The connection is already in use. 	<ol style="list-style-type: none"> 1. Choose "R4500" 2. Bring portable media device closer to the receiver. Device needs to be within 30'. 3. Ask your boating buddy who is currently connected to disconnect.



prospecelectronics.com

| 843.849.9037



PART # MPro-Y1000/WPC

This JBL receiver offers a soft silicone rubber cover accessory for additional protection.

Go to our website to purchase this and other accessories.



VOL



SEL

MENU



by HARMAN

R4500 Warranty Statement

R4500

JBL

JBL® Marine Source Unit Warranty Statement

The JBL marine Wake series source units carry a one-year warranty from the original date of purchase. The terms of this warranty are offered through Prospec Electronics of SC, Inc.

Should the product need repair or replacement (at company discretion) within the terms of this warranty, Prospec will provide said service without charge to the owner. To obtain repair or replacement, the product shall be returned, shipping postage paid by the owner, to Prospec Electronics. A copy of the receipt from the store where purchased, or a copy of the bill of sale of the boat must accompany the returned product. Prospec will return the product at Prospec's expense by ground shipping. Any expedited requests will be at the expense of the owner.

FIVE-YEAR PROTECTION PLAN

Beyond the first year and for the period of an additional four years, the company will repair or replace a defective stereo with a new or reconditioned model for a predetermined flat rate charge (shipping may also apply). Additional details can be found at <https://prospecelectronics.com/pages/warranty-policy>

This warranty extends only to the original purchaser. It is not transferable to anyone who subsequently purchases the product from you.

ALL MATERIAL RETURNED MUST BE ACCOMPANIED BY A RETURN AUTHORIZATION (RA) NUMBER.
Obtain an RA number by one of the following methods:

- Enter an electronic Warranty Claim in the Support Section at <https://prospecelectronics.com/pages/warranty-policy>
- Contact our Warranty department at (843) 849-9037 Ext 2425
- Email us at: prospecwarranty@prospecelectronics.com

This warranty does not extend to the elimination of static or motor noise, correction of antenna or radio reception problems, costs incurred in the removal or reinstallation of the unit, or damage to the source units. This warranty does not apply to any product or part thereof which has been improperly installed or subjected to misuse, harsh chemical exposure, corrosion, abuse, neglect, alteration (including the cutting or modification of any wires or connectors), accident or to a product which has been used in violation of the operating instructions or which has had the serial number removed or defaced. In addition, damage caused by exposure to high pressure water spray will not be covered.

ANY IMPLIED WARRANTY IS LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY; IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES RESULTING FROM THE USE OR INABILITY TO USE THIS PRODUCT.

The warranty gives you specific legal rights which vary from state to state. Some states do not allow the exclusion or limitation on how long an implied warranty lasts, so the above limitations may not apply to you.