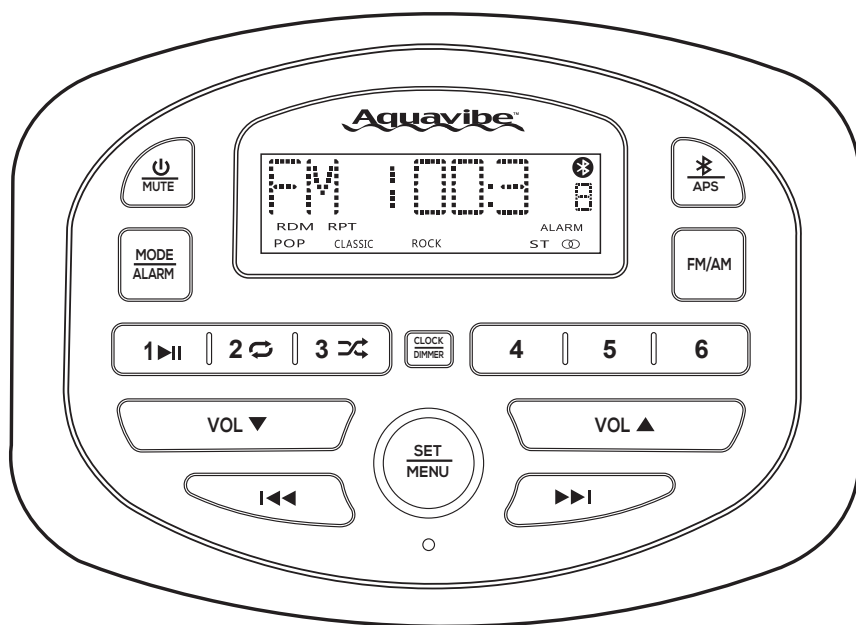# Aquavibe™

Operation / Installation Manual

Bluetooth AM/FM Waterproof
Entertainment Center
SP3

Introduction

Please take the time to read all of the information in this manual. Familiarity with operation and installation procedures will help you obtain the best possible performance from your new Entertainment Center.
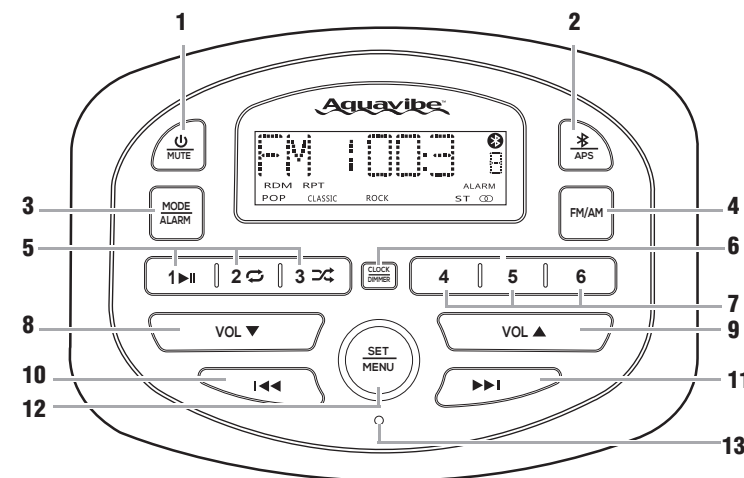
WARNING!

• FCC REGULATIONS STATE THAT ANY UNAUTHORIZED CHANGES OR MODIFICATIONS
  TO THIS EQUIPMENT MAY VOID THE USER'S AUTHORITY TO OPERATE IT.

• THIS DEVICE IS INTENDED FOR CONTINUOUS OPERATION.

• TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK AND ANNOYING
  INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.

Index

Button Locations and Functions

1. Power and Mute Button:

Power Button: Press to turn the entertainment center on. Press and hold the button for 3 seconds to turn the unit off.

Mute Button: Press to mute sound. Press again to restore.

2. Bluetooth and APS Button:

Bluetooth Selection Button: Press to choose Bluetooth input mode. Bluetooth device must be paired before use.

APS Button: Press and hold for radio Automatic Preset Scan and Storage.

3. Mode Button and Alarm Button:

Mode Button: Press to toggle between RADIO, BT AUDIO (Bluetooth) and AUX.

Alarm Button: Press and hold to enter set Alarm mode. (See Setting the Alarm section for details).

4. FM/AM Radio Selection:
Press to choose Radio mode. Sequential presses will select radio bands: FM1, FM2, FM3, AM1 and AM2.

Note: When playing another source such as BT or AUX press this button to return to Radio mode.

5. Radio Station Recall Buttons (1-3):
Press and release to recall preset radio stations. Press and hold to memorize a selected station as a numbered preset.

BT mode (available functions are dependent upon the specific Bluetooth audio device and the audio application)**:**

▶❚❚ **:** Press to pause track, press again to resume**.**

❐ **:** Press to Repeat One, press again to Repeat All, press again to turn Repeat Off.

⤨ **:** Press to Random Shuffle the playback.

6. Clock and Dimmer Button:

DIMMER Button: Short press to toggle between LED High, LED Mid and LED Low.

CLOCK Button: Press and hold to enter set clock mode. (See Setting the Clock section for details).

7. Radio Station Recall Buttons (4-6):
Press and release to recall preset radio stations. Press and hold to memorize a selected station as a numbered preset.

8. Volume Down Button:
Press **VOL** ▼ to decrease volume level. Also use for selection down through adjustments within the SET/MENU options: sound controls, display, area location, speaker selection and alarm.

9. Volume Up Button:
Press **VOL** ▲ to increase volume level. Also use for selection up through adjustments within the SET/MENU options: sound controls, display, area location, speaker selection and alarm.

10. Seek Down Button I◀◀ **:**
Radio Mode: Short press to automatically seek for next lower tunable frequency. Press and hold to move into manual tuning mode.
Bluetooth Mode: Press to search for the beginning of the previous track.

11. Seek Up Button ▶▶I:
Radio Mode: Short press to automatically seek for next higher tunable frequency. Press and hold to move into manual tuning mode.
Bluetooth Mode: Press to search for the beginning of the next track.

12. SET / MENU Button:
Short press to enter and then short presses to toggle between sound adjustments: Bass, Treble, Balance, Fader then DSP: Pop/Rock/ Classic, Boost On/Off and then back to Volume. Use the **VOL** ▲ or **VOL** ▼ to make adjustments.

Press and hold to enter 2nd menu and then short press to toggle between AREA USA1/ AREA USA2/AREA EUR, Speaker A & B Selection, Stereo / Mono and Alarm On/ Off. Use the **VOL** ▲ or **VOL** ▼ to make adjustments.
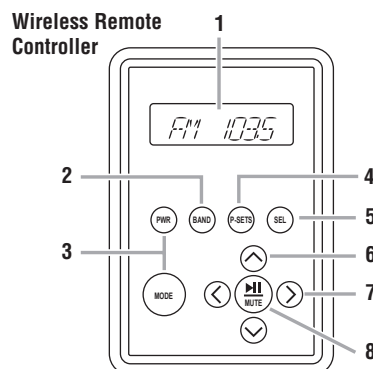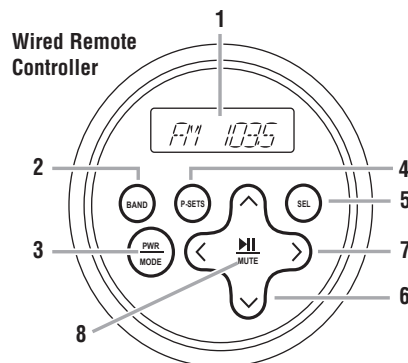
See desired feature adjustment selection for operation details.

13. Reset Button:
To reset the unit to its factory settings use a pointed object like a ball point pen to press the **RESET** button.

Go to www.magnadynestore.com to purchase the optional remote controllers for the SP3.

Wired Remote Controller

Wireless Remote Controller

Pairing the Wireless Remote Controller:
1. To pair the wireless remote with the SP3 push and hold the **MODE** button on the remote controller until "PAIR" appears in it's display.
2. While still holding the **MODE** button on the wireless remote controller, press the **RESET** button on the front of the SP3 to pair the devices.
3. If pairing is successful, the SP3 will restart and "PAIR" will disappear from the remote's display. Release the **MODE** button on the remote controller.

Note 1: The wireless remote controller's display will disappear after approximately 30 seconds of no button activity to conserve it's battery. Press any button on the remote controller and the LCD display will be restored.

Note 2: When the main unit is turned off, the wireless remote controller's display will disappear to conserve it's battery. Press any button on the remote controller to restore the remote's display. Then press the ⏻ button to turn on the entertainment center.

1. Display Area: This area displays mode information, in the radio mode the radio frequency is displayed.

2. BAND Button: Press to select down through radio presets and for random playback in Bluetooth mode.

3. Power and Mode Buttons:

Wired Remote Controller's Power Button: Press to turn the entertainment center on. Press and hold the button for 2 seconds to turn the unit off.

Wireless Remote Controller's Power Button: Press to turn on the entertainment center on. Press again to turn the unit off.

Mode Button: Press to select between input sources:
Radio: FM tuner.
AUX: Rear RCA connectors.
Bluetooth: Wireless connectivity.

4. P-SETS Button: Press to select up through radio presets and for repeat controls in Bluetooth mode.

5. Select Button: Short press to enter and then short presses to toggle between sound adjustments: Balance, Fader, DSP: Pop/Rock/Classic, Boost On/Off and then back to Volume.

Press and hold to enter 2nd menu and then short presses to toggle between Area USA1/ AREA USA2/AREA EUR, Speaker A & B Selection, Stereo / Mono and Alarm On / Off.

6. Volume: Press to increase or decrease the volume level. Use up and down volume buttons to adjust to desired settings within **Select Button** modes.

7. Track Buttons:

Radio Mode: Press for automatic seek up or down for radio stations. Press and hold to activate manual tuning.

Bluetooth Mode: Press to select the next or previous tracks.

AUX Mode: Track selection controlled from connected device, not the SP3.

8. Play/Pause ▶II / MUTE Button:

Radio Mode: Press to mute audio. Press and hold for radio Automatic Preset Scan and Storage.

Bluetooth Mode: Press to pause play back. Press again to resume play.

AUX Mode: Play functions controlled from connected device, not the SP3.

General Operations

Power On:
Press the ⏻ / **MUTE** button to turn the unit on.

Power Off:
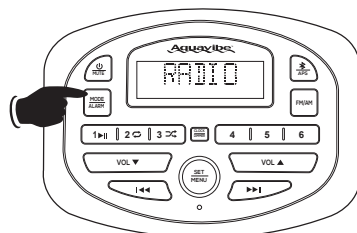Press the ⏻ / **MUTE** button for 3 seconds to turn the unit off.

Mute:
A short press of the ⏻ / **MUTE** button will mute the audio.
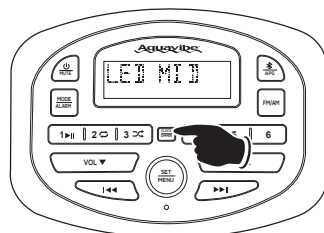
WELCOME

Selecting a Play Source:
Press the **MODE** button to selected either:
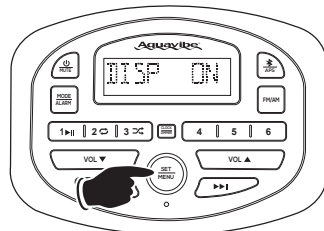"RADIO", "AUX" or "BT AUDIO"

RADIO

Display Brightness:
Press the **DIMMER** button to select from the 3 levels of brightness for the display area:

"LED LOW", "LED MID" or "LED HIGH"

LED MID

Priority Clock Display Selection:
Press and hold the **SET/MENU** button until "A_SPK ON" appears. Short press the same button until "DISP OFF" or "DISP ON" appears on the screen.

DISP ON

Immediately press Volume buttons to toggle to either of the 2 desired screen appearances:
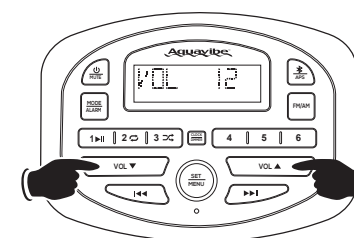
1. **"DISP ON"**: Screen will remain on current time display.

2. **"DISP OFF"**: Screen will display current radio station in RADIO mode, track information in BT Audio mode or AUX in AUX mode.

DISP OFF
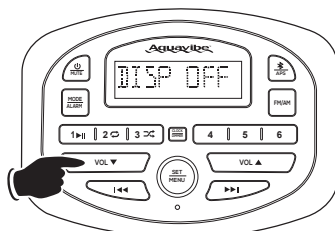
Sound Controls

Volume:
Increase the volume by pressing the **VOL ▲** button.
Decrease the volume by pressing the **VOL ▼** button.

VOL 12

Bass, Treble, Balance, Fader, DSP, Boost and Volume Control
Select the desired sound mode by pressing the **SET/MENU** button. The modes will be displayed in the following order: Bass, Treble, Balance, Fader, DSP, Boost and Volume.

Bass:
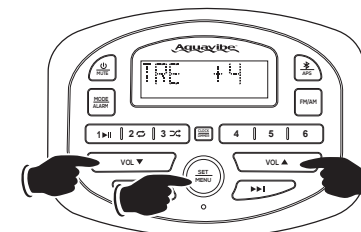Press the **SET/MENU**. The first sound mode adjustment displayed will be "BAS" (Bass).

Immediately use the the **VOL ▲** or **VOL ▼** to adjust to desired Bass level -7 to +7.

BAS +3
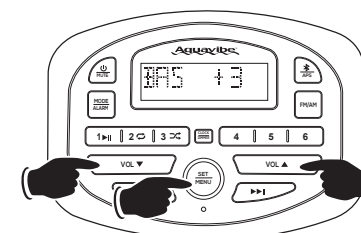
Treble:
Press the **SET/MENU** until "TRE" (Treble) appears in the display.
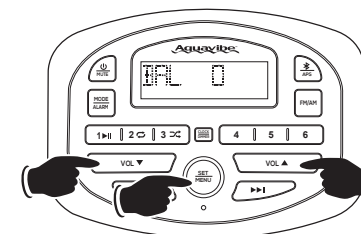
Immediately use the **VOL ▲** or **VOL ▼** to adjust to desired Treble level -7 to +7.

TRE +4

Balance:
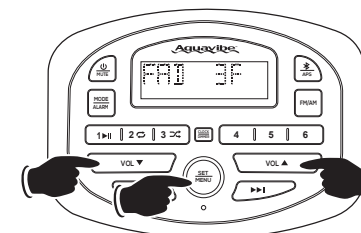Press the **SET/MENU** until "BAL" (Balance) appears in the display.

Immediately use the **VOL ▲** or **VOL ▼** to adjust to desired speaker balance - 10L to 0 to 10R. 0 is middle balanced between the Left and Right speakers.

BAL 0

Fader:
Press the **SET/MENU** until "FAD" (Fader) appears in the display.

Immediately use the **VOL ▲** or **VOL ▼** to adjust to desired Front and Rear speaker balance - 10R to 0 to 10F. 0 is middle balanced between the Rear and Front speakers.
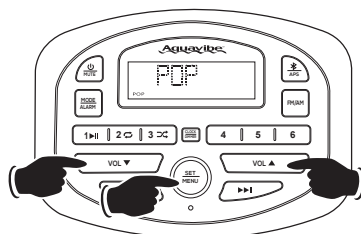
FAD 3F

Sound Controls (continued)

DSP:
Press the **SET/MENU** until the "DSP" (Digital Signal Processor - Equalizer) options appears in the display. The Equalizer presets to choose from are: "DSP OFF", "POP", "ROCK" or "CLASSIC".

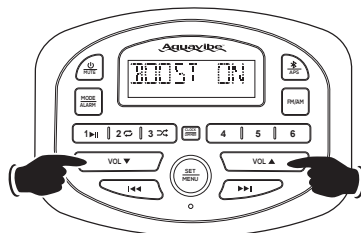Immediately use the **VOL ▲** or **VOL ▼** to adjust to desired DSP preset.

Note: If DSP preset is enabled, Bass and Treble settings cannot be manually adjusted.

BASS BOOST:
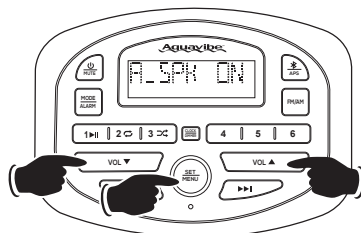Press the **SET/MENU** until "BOOST ON" or "BOOST OFF" appears in the display.

Immediately use the **VOL ▲** or **VOL ▼** to turn ON or OFF.

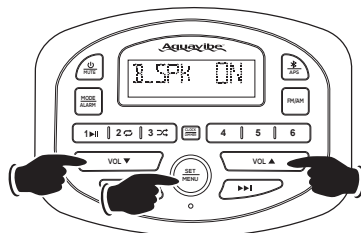## Speaker Selection and Stereo/Mono

Speaker Set A On/Off:
• Press and hold the **SET/MENU** button until the display reads AREA USA 1. Immediately press again until either "A SPK ON" or "A SPK OFF" displays. Then press either the **VOL ▲** or **VOL ▼** to turn ON or OFF.

Speaker Set B On/Off:
• Press and hold the **SET/MENU** button until the display reads AREA USA 1. Immediately press again twice until either "B SPK ON" or "B SPK OFF" displays. Then press either the **VOL ▲** or **VOL ▼** to turn ON or OFF.

STEREO / MONO
• Press and hold the **SET/MENU** button until the display reads AREA USA 1. Immediately press again 3 times until either "STEREO" or "MONO" displays. Then press either the **VOL ▲** or **VOL ▼** to make selection.
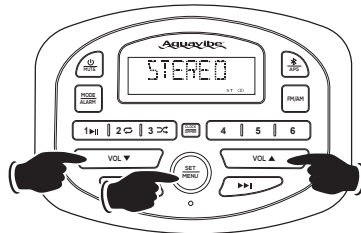
Setting the Clock

1. Press and hold the **CLOCK/DIMMER** button until the clock appears in the display.

2. Press and hold again until the time begins flashing.

3. Immediately use the **VOL ▲** to set the minutes and **VOL ▼** to set the hour.

   After 5 seconds of inactivity, the display will return back to the main screen and the clock will be set.

Notes: Select AM or PM when setting the hour.
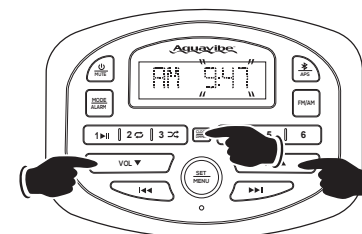
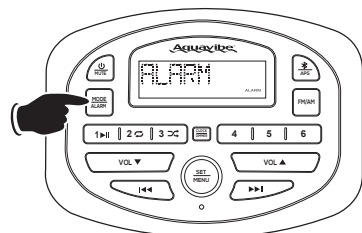## Alarm Operation

Setting the Alarm Timer

1. Press and hold the **SET/MENU** button until the AREA_xxx appears in the display.

2. Immediately press again 4 times until "ALARM OFF" appears in the display.

3. Immediately press either the **VOL ▲** or the **VOL ▼** to turn the alarm function on - "ALARM ON".

4. **To set the alarm time:**
   (The radio must be set to "ALARM ON"**)**

   • Press and hold the **MODE/ALARM** button until the alarm time appears in the display.

   • Press and hold again until the time begins to flash.

   • Immediately use the **VOL ▲** to set the minutes and **VOL ▼** to set the hour to desired time.

   • After 5 seconds of inactivity, the display will return back to the main screen and the alarm will be set.
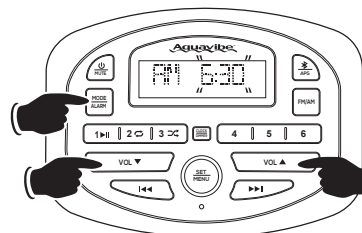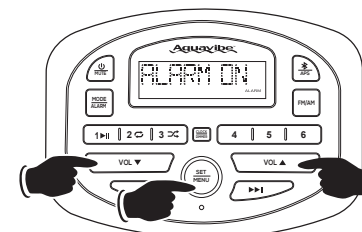
Shutting off the Alarm

When the alarm sounds, press the **MODE/ALARM** button to shut off.

To disable set alarm time use steps 1-3 of **Setting the Alarm Timer** and toggle to "ALARM OFF".
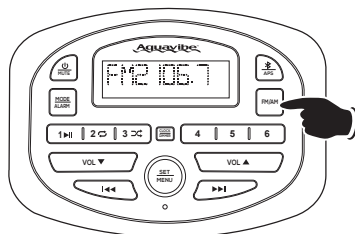
Radio Operations

Selecting the Radio Play Source:

Press the **MODE/ALARM** button until "RADIO" appears in the display.
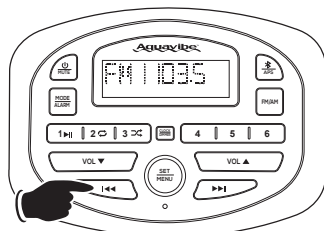
Selecting FM or AM:

Press the **FM/AM** button repeatedly to select from:
FM1, FM2, FM3,
AM1 or AM2

Tuning in a Radio Station Using Seek:

Press the ◄◄ button and the radio will scan down to the next strong station and begin playing.

Press the ►► button and the radio will scan up to the next strong station and begin playing.

**Manually Tuning in a Radio Station:**

Press and hold either the ◄◄ or ►► button and "MANUAL" will appear on the display screen.

Press either button to tune to desired higher or lower frequency stations. Holding either button down when in "MANUAL" mode will move the scan quickly.

After 5 seconds of inactivity, the radio tuner will move out of the "MANUAL" mode and back into the default seek mode.
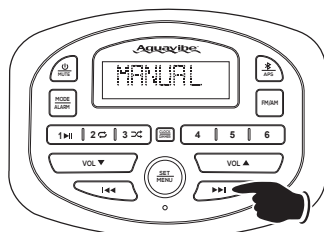
Radio Operations (continued)

Scanning and Automatically Storing Radio Stations:

Press and hold the **APS** until the tuner begins to scan forward to the next strong station and then release. The new stations will replace stations that were previously stored in the current band.

When in FM band mode the 18 strongest frequency stations will be stored: FM1 - 6 stations, FM2 - 6 stations, FM3 - 6 stations.

When in AM band mode the 12 strongest frequency stations will be stored: AM1 - 6 stations, AM2 - 6 stations.
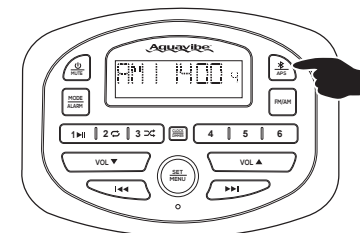
Memorizing Radio Stations:

1. Tune-in the desired radio station within FM1, FM2, FM3, AM1 or AM2.

2. Hold anyone of the six radio station recall buttons until the preset number appears. The station is now stored into that buttons recall memory.
(FM - 18 total, AM - 12 total)

External AUX Rear Audio Input

Selecting the Input Mode:

1. Press the **MODE** button until "AUX" appears in the display.

2. Use the controls on the entertainment center to adjust the tone and volume.

Note 1: The entertainment center will not control the device, it just allows the audio to be played through the system.

Note 2: The volume setting of the connected audio device has an effect on the overall loudness of the SP3. For optimum sound quality make sure the media volume on the device is set at 75% or greater.
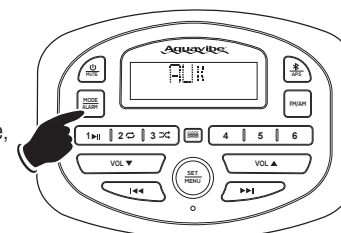
Bluetooth Operations

Pairing Bluetooth Devices:

(available functions are dependent upon the specific Bluetooth audio device and the audio application)

1. Press the ⏻ button to turn on the SP3.

2. Activate Bluetooth from your mobile device and Select "AquaVibe-SP3" which will, if in range, automatically appear in your list of Bluetooth devices.

3. Press the **MODE** or the ⚡ button on the SP3 until "BT AUDIO" is displayed.

4. When the mobile device has been paired and an audio application is active on your mobile device, audio can be heard through the speakers.

Note: A previously paired Bluetooth mobile device will automatically connect to the SP3 when "BT AUDIO" is selected using the **MODE** or ⚡ button (if it is within range).

In other mode, if bluetooth pairing device is connected, press the ⚡ button and the unit will return to bluetooth interface.

Bluetooth Operation:

1. Play/Pause Button:
Press the ▶❚❚ button to pause the Bluetooth playback. Press the ▶❚❚ button again to resume playback.

2. Changing the Track:
Press the ▶▶❚ button to select a higher track. Press the ❚◀◀ button to select a lower track.

3. Repeat Controls:
If Repeat is enabled within your mobile devices audio application, press the 🔁 button to toggle between "RPT ONE" (one song), "RPT ALL" (artist/playlist), or "RPT OFF".

4. Random Controls:
If Random is enabled within your mobile devices audio application, press the 🔀 button to toggle between "RDM ON" (randomly plays tracks), or "RDM OFF" to cancel random playback.

Tone and Volume Controls:
Use the sound controls (page 7-8) to adjust the overall tone of the music being played. Use the **VOL ▲** and **VOL ▼** buttons to adjust the sound output level.

Note: For maximum sound output, the media device volume must be set at 100%. Due to factors beyond the radio's control, maximum audio output may be lower than desired due to music bit rate, music recording level, differences in the music device's Bluetooth module output and differences in the output levels of different Bluetooth media devices. This is normal and should not be considered a defect.

1.

2.

3.

4.

12
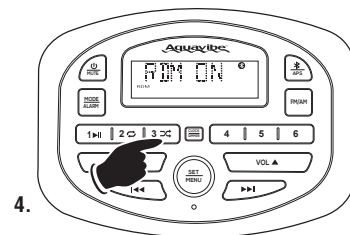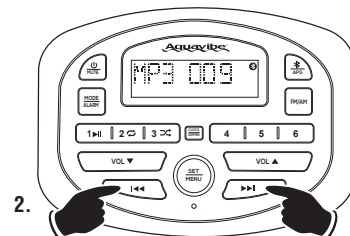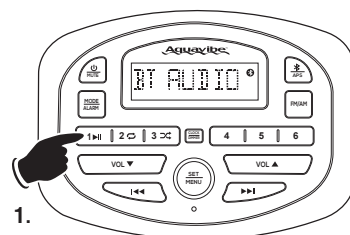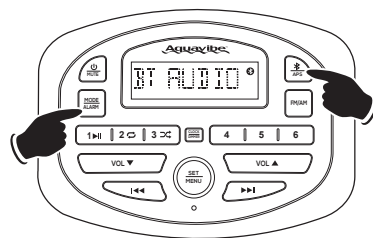
Installation

Installing Entertainment Center

1. Cut out the mounting hole and drill pilot holes for the screws.

2. Mount the entertainment center using the provided screws. Make sure to tighten the screws equally to create a waterproof seal.
Note: If the surface is uneven like wood, use silicone to create a waterproof seal between the uneven surface and the entertainment center.

3. Secure the Trim Ring into place.
Note: When removing the Trim Ring from the entertainment center, place a flathead screw driver or coin into the notch on the side of the Trim Ring and gently pry it off.

Supplied Mounting Screws

Trim Ring

$3^{3}/_{8}$"

$5^{1}/_{4}$"

Trim Ring Removal Notch
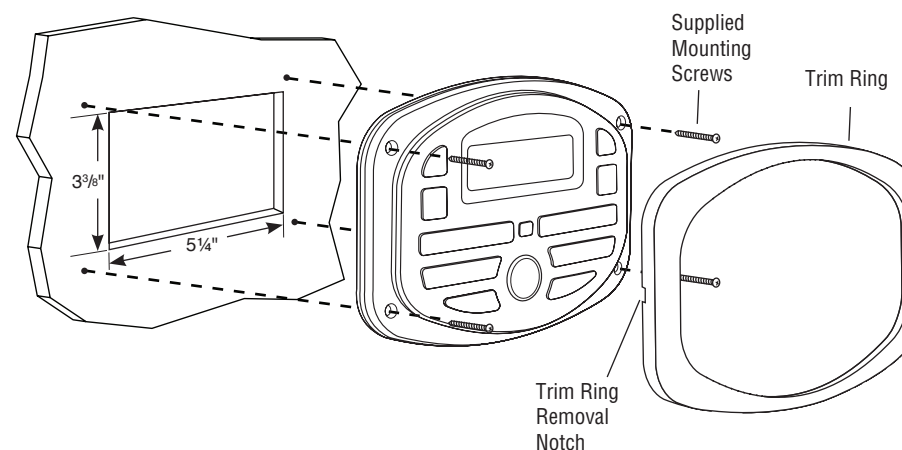
Installing Wired Remote (Optional)

1. Install mounting studs into rear of remote controller. Hand tighten the studs only.

2. Cut a 2-1/8" hole.

3. Insert cable from remote controller through the hole and then mounting bracket.

4. Slide mounting bracket onto mounting studs.

5. Screw the wing nuts onto the studs and hand tighten them against the mounting bracket. Do not use pliers to tighten the wing nuts.
Note: If the surface is uneven like wood, use silicone to create a waterproof seal between the uneven surface and the remote control.

Mounting Studs

Wing Nuts

Mounting Bracket

Cable
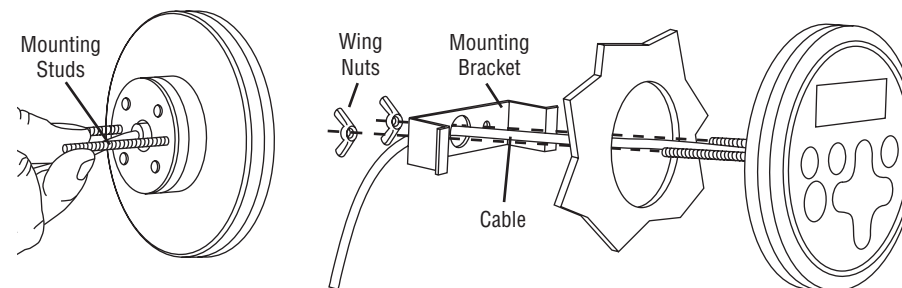
Go to www.magnadynestore.com to purchase the optional remote controller for the SP3.

13

Wiring

Left Front Speaker
White/Black Wire —
+ White Wire

A (Front)

Gray/Black Wire —
Gray Wire +
Right Front Speaker

External Automotive Type Antenna (Optional)

Wired Remote (Optional) Go to www.magnadynestore.com to purchase.

FM 103.5

10 Amp Fuse

Wiring Harness Model: SPA-HAR (Sold Separately)

Right
Left
Black Wires Audio In

Right
Left
Gray Wires Audio Out

Red Wire (+) to 12 Volt Battery

Black Wire Ground

Blue Wire Trigger for Amp (+12VDC output)

Left Rear Speaker
Green/Black Wire —
+ Green Wire

B (Rear)

Violet/Black Wire —
Violet Wire +
Right Rear Speaker

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Warranty

ONE (1) YEAR LIMITED WARRANTY

Magnadyne Corporation or its authorized agents will within one year from the date of sale to you, repair, replace or refund the retail sales price of said product or any part thereof, at the option of the Magnadyne Corporation or its authorized agents, if said product or part is found defective in materials or workmanship, when properly connected and operating on the correct power requirements designated for the specific product. This warranty and Magnadyne Corporation or its authorized agent's obligations hereunder do not apply where the product was; damaged while in the possession of the consumer, subjected to unrea-sonable or unintended use, not reasonably maintained, utilized in commercial or industrial operations, or serviced by anyone other than Magnadyne Corporation or its authorized agents, or where the warning seal on the product is broken or the power and/or plugs are detached from the unit. Magnadyne Corporation or any of its authorized agents will not assume any labor costs for the removal and reinstallation of any product found to be defective, or the cost of transportation to Magnadyne Corporation or its authorized agents. Such cost are the sole responsibility of the purchaser.

This warranty does not cover the cabinet appearance items or accessories used in con-nection with this product, or any damage to recording or recording tape, or any damage to the products resulting from improper installation, alteration, accident, misuse, abuse or acts of nature.

MAGNADYNE CORPORATION OR ITS AUTHORIZED AGENTS SHALL NOT BE LIABLE TO ANYONE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR CLAIMS EXCEPT THOSE ACCORDED BY LAW. NO EXPRESSED WARRANTY OR IMPLIED WARRANTY IS GIVEN EXCEPT THOSE SET FORTH HEREIN. NO IMPLIED WARRANTY SHALL EXTEND BEYOND ONE YEAR FROM THE DATE OF SALE.

This warranty extends only to the original purchaser of the product and is not transferable. Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

"NOTE: 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."

Defective merchandise should be returned to the original point of purchase or secondly, to Magnadyne Corporation, 1111 W. Victoria Street, Compton CA 90220.
Return Authorization must be obtained before sending, or merchandise may be refused.

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FCC 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 harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

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