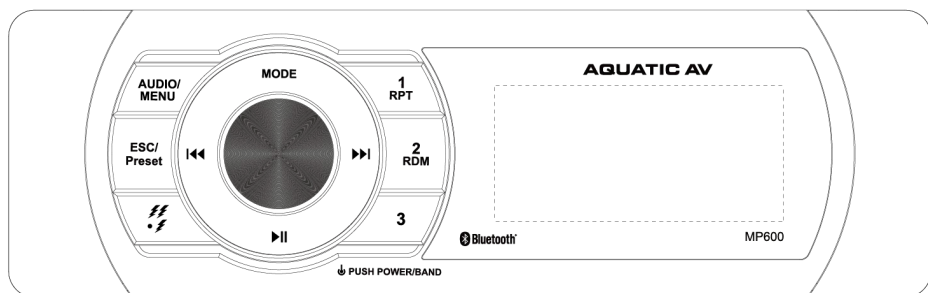


AQUATIC AV

USER MANUAL

MP6 SHALLOW MOUNT STEREO

MP600



**PLEASE READ THIS INSTRUCTION MANUAL
BEFORE INSTALLATION AND OPERATION**

1 Getting Started	3	7 Audio & Settings Menus	13
1.1 Contents	3	7.1 Audio Menu	13
1.2 Connections	3	7.1.1 Beep Tone	13
1.3 Connections Diagram	4	7.1.2 EQ	13
1.4 Power On	5	7.1.3 Loudness	13
1.5 Installation	5	7.2 Settings Menu	13
1.5.1 Mounting Hole	5	7.2.1 Dimmer High/Low	13
1.5.2 Installation	6	7.2.2 Priority Display (Info/Clock)	14
2 Controlling The Stereo	7	7.2.3 Power On Volume	14
2.1 Location Of Controls	7	7.2.4 Area US/Euro	14
2.2 Control Functions	8	7.2.5 Local On/Off	14
3 Listening Via Bluetooth	9	7.2.6 Stereo/Mono	14
3.1 Listening Via Bluetooth	9	7.2.7 Clock Settings	14
3.2 Pair With Bluetooth Audio Device	9	7.2.8 Bluetooth Off/Link	14
3.3 Listening Via Bluetooth Audio Device	9	7.2.9 Restore	14
3.4 Bluetooth Multi-Link	9	8 Additional Features	15
4 Listening Via USB	10	8.1 Listening To Auxiliary Devices	15
4.1 Listening Via USB	10	8.2 External 12V Triggers	15
4.2 Direct Search By Folder/File	10	9 Specifications & Dimensions	16
4.3 Direct Search By Track Number	10	9.1 Specifications	16
4.4 Random Playback	10	9.2 Dimensions	16
4.5 Repeat Playback	10	10 Warranty Information	17
4.6 Device Charging	10	11 FCC Statement	18
5 Listening To DAB+ Digital Radio	11		
5.1 What Is DAB+ Digital Radio?	11		
5.2 Listening To DAB+ Digital Radio	11		
5.3 Manually Save DAB+ Stations To Memory	11		
5.4 Automatically Save DAB+ Stations To Memory	11		
5.5 Listening To Saved Radio Memory	11		
6 Listening To AM/FM Radio	12		
6.1 Listening To AM/FM Radio	12		
6.2 Manually Save AM/FM Radio Stations To Memory	12		
6.3 Auto Save AM/FM Radio Stations To Memory	12		
6.4 Listening To Saved Radio Memory	12		

1.1 Contents

- MP600 Waterproof Stereo
- Silicon Faceplate
- User/Installation Manual
- Mounting chassis and hardware
- Four (4) stainless steel mounting screws
- Mounting template

1.2 Connections (See Connections Diagram 1.3)

1. 12-pin Watertight Harness*

The 12-pin harness supplies power and ground connections to the stereo and four (4) speaker channel output connections from the stereo.

2. AM/FM Radio Antenna Jack

Allows connection of AM/FM radio antenna. For best AM/FM performance make sure the antenna is extended to the highest achievable position.

3. Auxiliary Outputs

Allows external amplifiers to be connected to power additional speakers.

4. Auxiliary Inputs

Allows an additional RCA input, from a standalone unit or another stereo source.

5. 12V DC External Trigger (x2)

Allows for external lighting or relays to be triggered (3A max load).

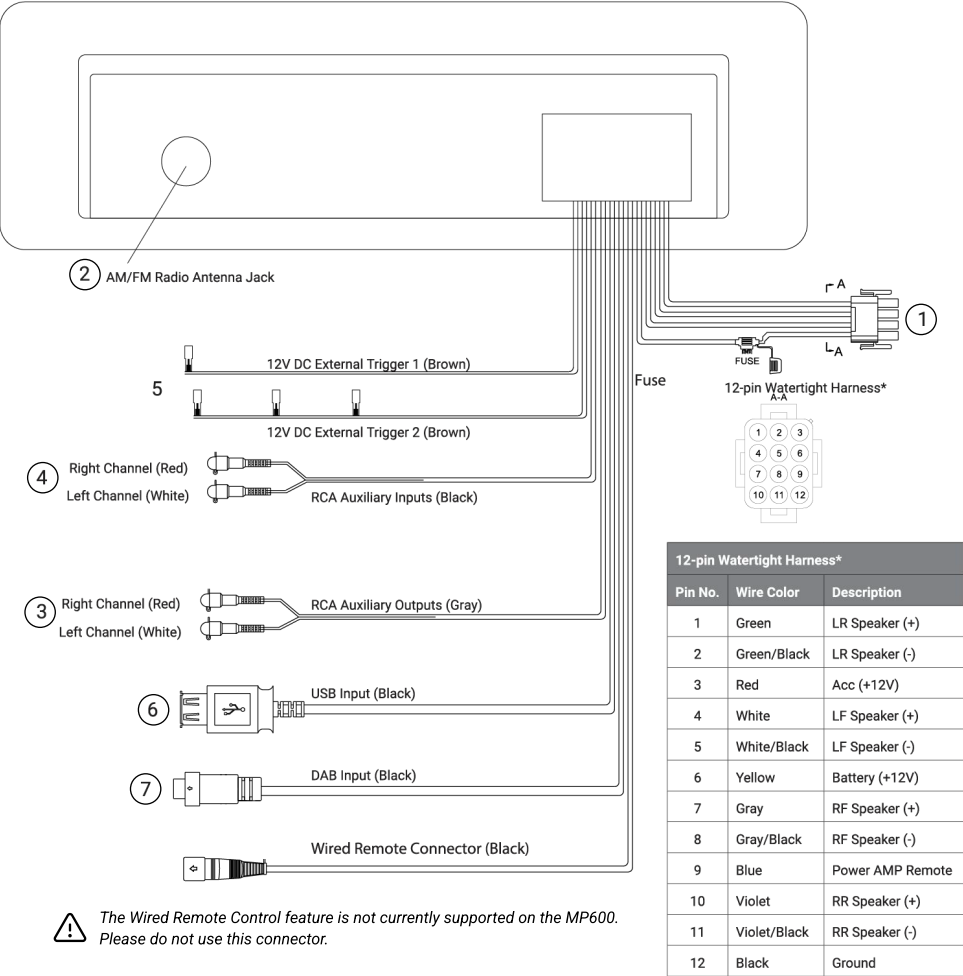
6. USB Input

Play USB thumb drives with supported audio media and charge devices when connected.

7. DAB Input Cable

Allows connection of the AQ-DAB+ Digital Radio Receiver (sold separately).

1.3 Connections Diagram



*Retail packaged models only.

1.4 Power On

In a spa application the red and yellow wires should be jumped together and then connected to the +12VDC output of the power source. In this set up the MP600 will always be on, with a very low current draw when idle.

In a boat, ATV or other application requiring power from a battery, the yellow wire (constant power) should be connected to the battery, and the red wire should be connected to the ignition or a switch.

Once all connections are made press the rotary knob and the stereo will turn ON. Press and hold rotary knob for 2 seconds to turn the unit OFF.

1.5 Installation

PLEASE READ THIS INSTRUCTION MANUAL BEFORE INSTALLATION AND OPERATION.

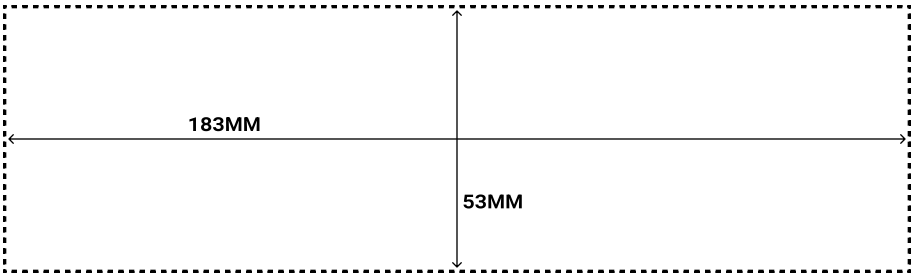
Aquatic AV recommends installation of this stereo by a professional technician.

A mounting template is included (retail packaged models only). Aquatic AV recommends using the ‘measure twice, cut once’ method!

1. Check clearances on both sides of a planned installation area before drilling any holes.
2. Cut the mounting hole using the method detailed below.
3. When routing RCA cables, keep them away from power cables and output speaker wires.
4. Once complete make sure the outside surface is clean and clear of debris. The MP600 stereo has an external water/dust proof gasket which requires a clean and flat surface for best performance.

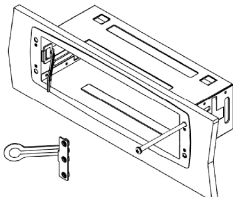
1.5.1 Mounting Hole

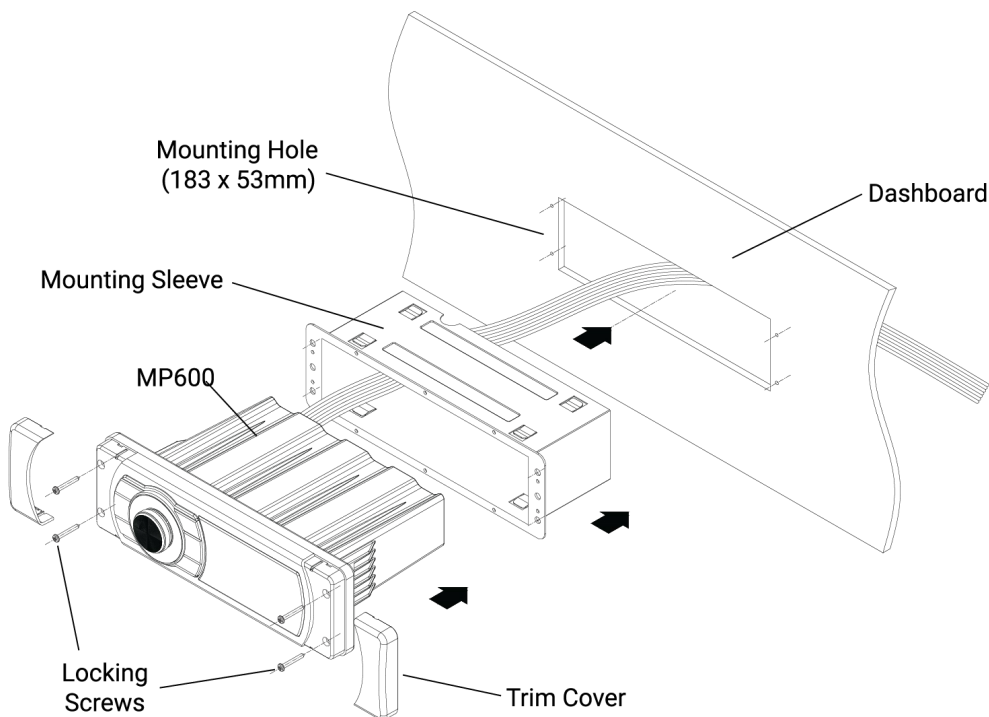
1. Using a jigsaw cut a rectangular hole with dimensions 183mm (W) x 53mm (H).



 *Not to scale! Please use the mounting template provided*

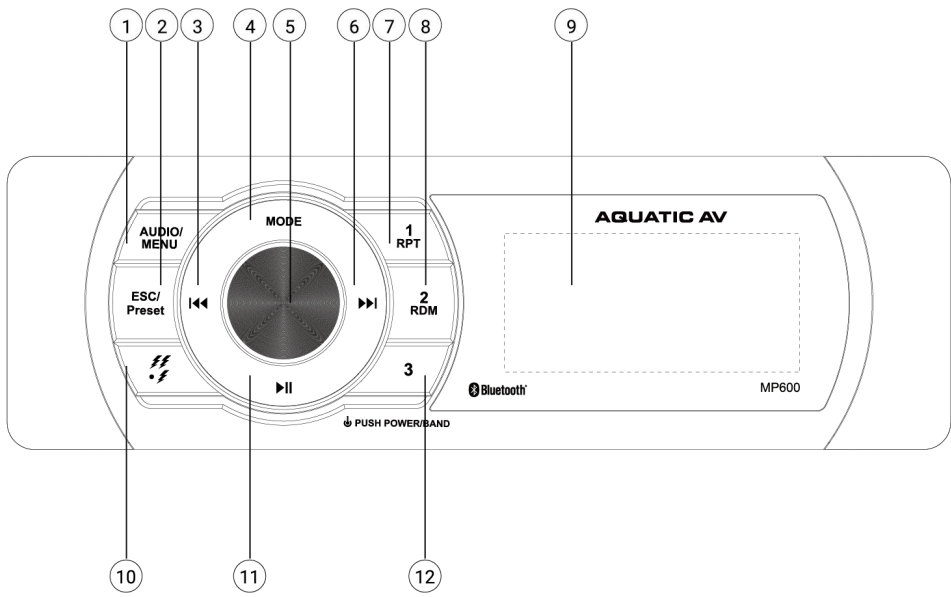
1.5.2 Installation

1. Slide the mounting sleeve into mounting hole.
 2. Remove mounting sleeve handles by bending the backing bracket handles until they break off as shown below.
 3. Remove the front trim covers from the MP600 stereo to reveal the four (4) front locking screws.
- 
4. Slide the MP600 stereo into the mounting sleeve and through the mounting hole and secure the stereo using the front locking screws and a screwdriver. During final mounting, apply equal pressure to all points for the best water/dust outer seal performance. Make sure screws are snug and do not over tighten.
 5. Review all outside surfaces of the MP600 stereo to ensure a proper water/dust seal. This is important for long-term environmental protection performance.
 6. After installation is complete snap the trim covers back firmly in to place to cover the screw holes.



 **Make sure to connect other wires before power connection.**

2.1 Location Of Controls



- | | |
|-------------------|------------------------------|
| 1 Audio/Menu | 7 Preset 1 / Repeat Playback |
| 2 ESC/Preset | 8 Preset 2 / Random Playback |
| 3 Fast Rewind | 9 LCD Display |
| 4 Mode button | 10 12V Triggers |
| 5 Rotary Selector | 11 Play/Pause |
| 6 Fast Forward | 12 Preset 3 |

2.2 Control Functions

Button	Action	AM/FM	USB	Bluetooth	DAB	AUX
Audio/Menu	Short Press	Audio Menu: Bass - Treble - Balance - Fader - Beep - EQ - Loud				
	Long Press	Settings Menu: Dim H/L - PRI Info/Clk - P-Vol - Area US/Euro - Loc On/Off - Stereo/Mono - Clock Set - BT Off/Link - Restore				
ESC/Preset	Short Press	1) In MENU: EXIT 2) In FM: CH1>CH2 > CH3>CH4>CH5> CH6>CH1...	1) In MENU: EXIT 2) In USB: Direct Search / Number Search	1) In MENU: EXIT 2) In BT: no function	1) In MENU: EXIT 2) In DAB: CH1>CH2 > CH3>CH4>CH5> CH6>CH1...	1) In MENU: EXIT 2) In AUX: no function
	Long Press	Auto Store	No Function	No Function	DAB Scan	No Function
Fast Rewind	Short Press	Seek Down	Previous Track	Previous Track	Previous Station	No Function
	Long Press	Manual Tune	Fast Rewind	No Function	No Function	No Function
Fast Forward	Short Press	Seek Up	Next Track	Next Track	Next Station	No Function
	Long Press	Manual Tune	Fast Forward	No Function	No Function	No Function
Play/Pause	Short Press	Mute	Play/Pause	Play/Pause	Mute	Mute
	Long Press	Manual Tune	No Function	No Function	Manual Store	No Function
Mode/Disp	Short Press	Change Source				
	Long Press	Display Clock/Info				
1/RPT	Short Press	Preset Ch.1 Read	Repeat One/Repeat All	No Function	Preset Ch.1 Read	Display Software Version
	Long Press	Preset Ch.1 Save	DIR/Folder Down	No Function	Preset Ch.1 Save	No Function
2/RDM	Short Press	Preset Ch.2 Read	Random	No Function	Preset Ch.2 Read	No Function
	Long Press	Preset Ch.2 Save	DIR/Folder Up	No Function	Preset Ch.2 Save	No Function
3	Short Press	Preset Ch.3 Read	No Function	No Function	Preset Ch.3 Read	No Function
	Long Press	Preset Ch.3 Save	No Function	No Function	Preset Ch.3 Save	No Function
Rotary Selector	Rotate	Volume Up/Down and Navigate Menus				
Power/Band (Push Rotary Selector)	Short Press	Power ON/ Band Change/Enter	Enter when in Menu	Power On	Band Change/Enter	Power On
	Long Press	Power Off				
12V Triggers	Short Press	12V DC Trigger 1 Output On/Off				
	Long Press	12V DC Trigger 2 Output On/Off				

- i

If your music player is connected via the Auxiliary input you will not be able to control track or receive track information.
- i

Navigating past the last Settings Menu item (Restore) will automatically exit the Settings Menu and enter the Audio Menu. Press and hold Audio/Menu button to enter the Settings Menu again.

3.1 Listening Via Bluetooth

The Bluetooth Audio menu is accessible by pressing the Audio/Menu button and is used to connect a Bluetooth Audio device or disconnect a Bluetooth Audio device that has already been paired.

3.2 Pair With Bluetooth Audio Device

1. Enable Bluetooth Audio mode by pressing MODE and selecting Bluetooth.
2. Switch on your Bluetooth Audio device.
3. Select 'MP6' from the list of available devices to pair. No password should be required however if prompted for a password use '0000'.
4. A Bluetooth logo will illuminate on the stereo's LCD to verify Bluetooth is connected.

3.3 Listening Via Bluetooth Audio Device

1. Bluetooth Audio mode will be activated once a Bluetooth Audio device is paired in any mode. Use MODE to change to Bluetooth Audio mode to listen to music from your device.
2. Play the song from device and the sound will play through the stereo.
3. Press PLAY/PAUSE to play/pause the song.
4. Press FAST REWIND/FORWARD buttons to play previous/next song file.
5. Previous/next track and volume up/down can also be controlled directly from your Bluetooth Audio device.

3.4 Bluetooth Multi-Link

A second Bluetooth Audio device can pair to the stereo even when music is playing from the first Bluetooth Audio device.

Once paired, playing music from device 2 will override device 1 and the stereo will begin playing music from device 2.

Should you wish to play music from device 1 again, wait 10 seconds and press play on device 1. This process can be repeated between device 1 and device 2 indefinitely while both devices are paired.

4.1 Listening Via USB

1. Attach your USB thumb drive to the female USB connector.
2. If your USB device is readable then USB source mode will be automatically selected and your compatible content will begin to play.
3. Press PLAY/PAUSE to play or pause the music.
4. Press FAST REWIND / FAST FORWARD once play previous / next song file.
5. Press and hold FAST REWIND / FAST FORWARD to fast forward/fast rewind the song file.

 Playback and navigation of music files via USB includes MP3 and WMA files.

4.2 Direct Search By Folder/File

1. Press ESC/Presets once and display will show 'DIR SCH'
2. Turn the Rotary Selector to select a desired folder. (If you have files in the Root, select 'Root'). Then press the Rotary Selector to enter into that folder.
3. Turn the Rotary Selector to select the desired file that you wish to play. Only compatible files will be displayed.
4. You can either allow the unit to auto select the track that is being displayed or press the Rotary Selector to select the desired track.

4.3 Direct Search By Track Number

1. Press ESC/Presets twice and display will show NUM SCH'
2. Turn the Rotary Selector to select the desired track number. Turning clock-wise will increase the track number and turning anti-Clock-wise will decrease the track number.
3. You can either allow the unit to auto select the track that is being displayed or press the Rotary Selector to select the desired track.

4.4 Random Playback

Press the RDM button to toggle Random Play on or off.

4.5 Repeat Playback

Press the RPT button to toggle Repeat One or Repeat All.

4.6 Device Charging

When specified USB devices such as Smartphones or MP3 players are connected with a standard male-to-female USB cable the device's battery will charge automatically.

The USB connection will deliver 2.1A of current to charge a device battery.

5.1 What Is DAB+ Digital Radio?

DAB+ Digital Radio provides access to hundreds of stations when used with Aquatic AV's Digital Radio Receiver AQ-DAB+ (sold separately). DAB+ is only available within certain countries - please check your local network for more information.

5.2 Listening To DAB+ Digital Radio

1. Connect the AQ-DAB+ Digital Radio Receiver (sold separately) to the stereo.
2. Enter DAB+ mode by pressing MODE and selecting DAB.
3. The first time DAB+ mode is used the stereo will automatically scan all available DAB+ stations.
4. If required, to re-scan for new stations, press and hold the ESC/Preset button for 2 seconds to scan all available DAB+ stations.
5. Navigate the available stations using the Fast Forward/Fast Rewind buttons.
6. Select the desired station by pressing the Rotary Selector button.
7. Press the Rotary Selector to change the DAB+ radio band.

 *When a DAB station is received the station's clock will auto update the stereo's clock.*

 *Always ensure you connect and disconnect the stereo with dry hands!*

5.3 Manually Save DAB+ Stations To Memory

1. Tune to the station you would like to be saved as a preset.
2. Press and hold the Play/Pause button and the stereo will display 'SAVE CH1'.
3. Turn the Rotary Selector to select the desired preset slot you would like to save the current station to.
4. Press the Rotary Selector to save the preset.
5. Upon successfully saving a preset the preset number that was chosen will be shown in the right corner.

 *Presets are only for the current band you are on. Each band has six presets for a total of 18 presets.*

5.4 Automatically Save DAB+ Stations To Memory

Press and hold the ESC/Preset button for 2 seconds to auto store stations to numeric buttons 1-6 of bands 1-3.

5.5 Listening To Saved Radio Memory

Press button 1, 2 or 3 to listen to preset 1, 2 or 3 respectively; or alternatively:

1. Press the ESC/Preset button to display your presets.
2. Turn the Rotary Selector to navigate to the desired preset.
3. Press the Rotary Selector to listen to the preset.

6.1 Listening To AM/FM Radio

1. Enter radio mode by pressing MODE and selecting RADIO.
2. Navigate the available stations using the Fast Forward/Fast Rewind buttons.
3. Select the desired station by pressing the Rotary Selector button.
4. Press FAST REWIND/FAST FORWARD to seek another station.
5. Press and hold FAST REWIND/FAST FORWARD for manual tuning. (Manual tuning will time out after 5 seconds of no action then we revert back to Seek/Auto).
6. Press the Rotary Selector to change the AM/FM radio band.

6.2 Manually Save AM/FM Radio Stations To Memory

1. Tune to the station you would like to be saved as a preset.
2. Press and hold the Play/Pause button and the stereo will display 'SAVE CH1'.
3. Turn the Rotary Selector to select the desired preset slot you would like to save the current station to.
4. Press the Rotary Selector to save the preset.
5. Upon successfully saving a preset the preset number that was chosen will be shown in the right corner.

 Presets are only for the current band you are on. Each band FM1, FM2, FM3, AM1 and AM2 has six presets for a total of 30 (18x FM & 12x AM).

6.3 Automatically Save AM/FM Radio Stations To Memory

Press and hold the ESC/Preset button for 2 seconds to auto store stations to numeric buttons 1-6 of bands 1-3.

6.4 Listening To Saved Radio Memory

Press button 1, 2 or 3 to listen to preset 1, 2 or 3 respectively; or alternatively:

1. Press the ESC/Preset button to display your presets.
2. Turn the Rotary Selector to navigate to the desired preset.
3. Press the Rotary Selector to listen to the preset.

7.1 Audio Menu

1. Press the AUDIO/MENU button to enter the Audio menu. The available Audio options are:

BASS - TREBLE - BALANCE - FADER - BEEP - EQ - LOUD

2. Turn the Rotating Selector to navigate the menu options.
3. Press the Rotary Selector to open the desired Audio option or confirm changes to the Audio settings.

 *Any changes made in the Audio menu are system wide and will affect all modes.*

7.1.1 Beep Tone

The beep tone plays when any button is pressed and can be switched on and off from this selection.

7.1.2 EQ

The MP600 stereo is equipped with an audio DSP (Digital Signal Processor) to provide preset listening experiences for different music types. If you have chosen a preset equalizer setting (Flat, Rock, Classic, or Pop) the previous Bass & Treble settings will be overridden.

7.1.3 Loudness

Increases the sound output level by 15dB.

7.2 Settings Menu

1. Press and hold the AUDIO/MENU button to enter the Settings menu. The available Settings options are:

**DIM H/L - PRI INFO/CLK - P-VOL - AREA USA/EUR - LOC ON/OFF -
STEREO/MONO - CLOCKSET - BT OFF/LINK - RESTORE**

2. Turn the Rotating Selector to navigate the menu options.
3. Press the Rotary Selector to open the desired Audio option or confirm changes to the Audio settings.

 *Any changes made in the Audio menu are system wide and will affect all modes.*

7.2.1 Dimmer High/Low

Adjust the display brightness from 100% for normal operation to 30% brightness to reduce screen glare during night time operation.

7.2.2 Priority Display (Info/Clock)

When set it to PRI INFO the display will by default show information relating to the music being played. Press and hold the MODE button to display the clock for 5 seconds.

When set it to PRI CLK the display will by default show the clock. Pressing any key it will display information relating to the music being played for 5 seconds.

7.2.3 Power On Volume

Sets the maximum volume the stereo will be set when powering the unit on. If the stereo is switched off with a lower volume than the P-Vol setting then the lower volume setting will be used.

Normal volume control and operation is resumed once the Rotary Selector is turned after switching the stereo on.

7.2.4 Area US/Euro

Select US or European AM/FM radio frequencies.

- ⓘ *US mode will increase and decrease the FM frequency in steps of 0.1 MHz, e.g. 88.5, 88.6, 88.7MHz.*
- ⓘ *EUR mode will increase and decrease the FM frequency in steps of 0.05 MHz, e.g. 88.30, 88.35MHz.*

7.2.5 Local On/Off

Local = ON: The stereo seeks to only the radio channels with strong signal strength.

Local = OFF: The stereo will seek to all radio channels it receives signal from.

- ⓘ *When Local setting is turned on the word 'Local' will appear in the upper right hand corner of the stereo's display.*

7.2.6 Stereo/Mono

Change the output mode between stereo and mono. Some applications only accept a mono input.

7.2.7 Clock Settings

Adjust the time and switch the clock on or off.

7.2.8 Bluetooth Off/Link

Switches Bluetooth connectivity on or off. All paired devices will be disconnected in Bluetooth Off mode.

7.2.9 Restore

Restores all factory settings.

8.1 Listening To Auxiliary Devices

1. Connect your audio device to the rear RCA connectors using a stereo RCA cable.
2. Press MODE on the stereo to select 'AUX' mode.
3. Play the song from your auxiliary audio device and the sound will play through the stereo.

 *Always ensure you connect and disconnect the stereo with dry hands!*

8.2 External 12V Triggers

The MP600 stereo has two independent 12V 'accessory' triggers. These could activate any 12V based device, such as 12V lights or 12V motors.

In any operational mode, press the 12V TRIGGER button to activate. Press again to deactivate.

If using two external trigger wires you can also activate the second external trigger by pressing and holding the 12V TRIGGER button to activate. Press and hold again to deactivate.

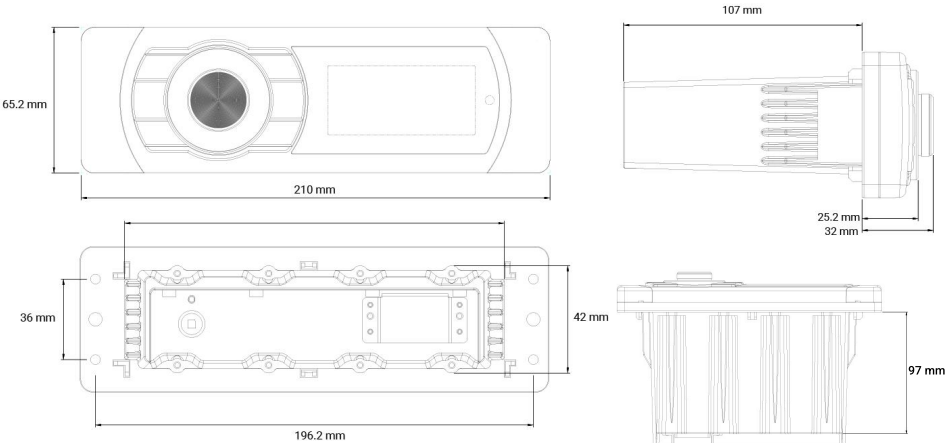
 *Aquatic AV strongly recommend you speak to our technical service staff or your local Aquatic AV dealer if you are considering using this feature.*

 *Load on External Trigger should not exceed 3A.*

9.1 Specifications

Supported Media:	Bluetooth Audio / USB / DAB+ / MP3 / AM / FM / AUX
Device Charging:	Via Rear USB Cable (2.1A)
Input Channels:	1x Stereo Pair RCA
Output Channels:	1x Stereo Pair RCA (2V), 2x 12V Triggers (3A)
Power:	4x 45W (4 Ohms), 4x 72W (2 Ohms)
Current Draw:	10A (Max) / <3mA (Standby)
Operation Voltage:	10.5V – 14.4V DC
DAB+ Ready:	18x Preset-Requires DAB+ Radio Receiver (Sold Separately)
AM/FM Tuner:	18x FM & 12x AM Preset Memory. US/Euro Frequencies <i>US: FM 88.7 To 108.0 / AM 530 To 1710 (10kHz Spacing)</i> <i>EURO: FM 87.5 To 108.0 / AM 522 To 1620 (9kHz Spacing)</i>
Water Resistant:	Yes - IP65
Salt/Fog/UV Protection:	500hrs Stable, ASTM D4329 & ASTM B117 Compliant
Certifications:	CE, RoHS, WEE, FCC
Materials:	ABS, Conforming PCB Coating Fascia / Aluminum Chassis / Stainless Steel Mountings

9.2 Dimensions



Product Registration

Register your new Aquatic AV product in order to receive a 2-year warranty. You will need proof of purchase, such as a receipt, from an authorized dealer. Additionally, you will have to provide your contact information, the date and location of the purchase.

You can submit a Product Registration form at the Aquatic AV Support Center or through the Aquatic AV App. The app is available on the App Store for iOS devices and on the Play Store for Androids.

Warranty

Aquatic AV offers a limited warranty of our products on the following terms:

Length Of Warranty

2 years on audio systems, electronics, speakers, and accessories (receipt required).

Coverage

This warranty covers only the original purchaser of a Aquatic AV product purchased from an authorized Aquatic AV dealer in the United States. In order to receive service, the purchaser must provide Aquatic AV with a copy of the receipt stating the customer name, dealer name, product purchased and date of purchase.

Defective Products

Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at Aquatic AV's discretion.

What Is Not Covered

- Damage caused by accident, abuse, improper operations, theft.
- Any cost or expense related to the removal or reinstallation of product.
- Any product with the serial number or tamper labels defaced, altered, or removed.
- Subsequent damage to other components.
- Any product not purchased from an authorized Aquatic AV dealer.

Limit On Implied Warranties

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for Aquatic AV any other liability in connection with the sale of the product.

How To Obtain Service

You must obtain a return material authorization number (RMA) to return any product to Aquatic AV. You are responsible for shipping charges of returned products to Aquatic AV.

FCC ID:

MADE IN CHINA

FCC Statement to the User

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 of the following measures:

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

FCC Caution:

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

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

Product design and specification subject to change without notice. E&OE.

AQUATIC AV

AQUATIC AV

282 KINNEY DRIVE
SAN JOSE, CA 95112, USA

E-MAIL: INFO@AQUATICAV.COM

US & CANADA: 1 877 579 2782

INTERNATIONAL: +1 408 559 1668

FAX: +1 408 559 0125

AQUATICAV.COM



**California Proposition
65 Warning**



WARNING: This product contains chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm.

For more information: www.P65Warnings.ca.gov