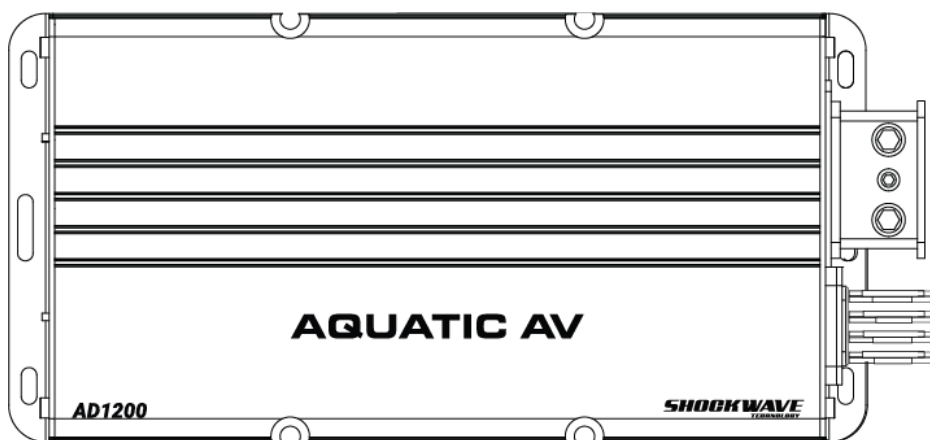


AQUATIC AV

USER MANUAL

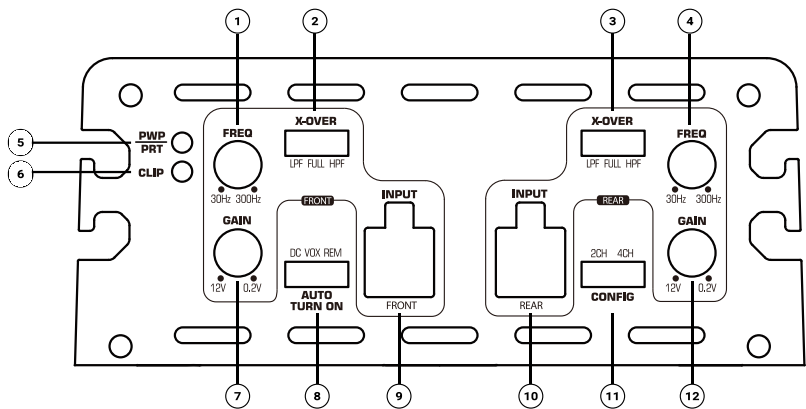
AD1200.4 4-CHANNEL AMPLIFIER

AD1200



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

Left Side Plate



1 FRONT Frequency Filter

Set up the crossover frequency:
HPF: all frequencies below the setup will be blocked.
LPF: all frequencies above the setup will be blocked.

2 FRONT Crossover Selector

HPF (High Pass Filter): for mid-range or tweeters.
LPF (Low Pass Filter): for mid-bass or subwoofers.
FULL: for full frequency signal.

3 REAR Crossover Selector

HPF (High Pass Filter): for mid-range or tweeters.
LPF (Low Pass Filter): for mid-bass or subwoofers.
FULL: for full frequency signal.

4 REAR Frequency Filter

Set up the crossover frequency:
HPF: all frequencies below the setup will be blocked.
LPF: all frequencies above the setup will be blocked.

5 PWR/PRT LED Indicator

LED is BLUE: Amplifier is turned on
LED is RED: Amplifier is in protection mode or malfunction (turn off immediately)

6 Clip LED Detector

When LED is lit, clipping is present. Adjust the gain level until LED light is off.

7 FRONT Gain

This gain control is preset to match the output of source units.

8 Turn On Selector

REM: Connect to REM to turn on amplifier.
DC: High level signal input to turn on amplifier. (DC offset)
VOX: Audio frequency input to turn on amplifier.

9 FRONT Audio Input

Allows for a normal Left and Right channel signal input. Connect to the source unit using audio cables.
If possible, keep audio cables away from power wiring to reduce risk of noise.

10 REAR Audio Input

Allows for a normal Left and Right channel signal input. Connect to the source unit using audio cables.
If possible, keep audio cables away from power wiring to reduce risk of noise.

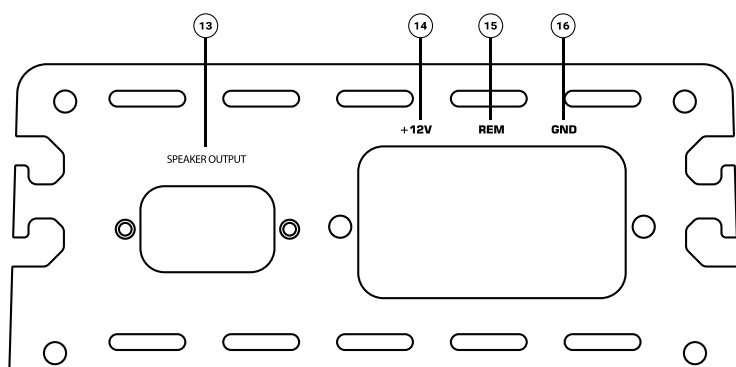
11 Config (Source Selection)

Switch allows amplifier to be driven with either 2 or 4 pairs of inputs.

12 REAR Gain

This gain control is preset to match the output of source units.

Right Side Plate



13 Speaker Outputs

Connect speaker wire from amplifier's terminal block to speaker. Speakers' impedance should be checked carefully.

14 Battery + (12V) Input

Before mounting amplifier, disconnect the negative cable from the battery to protect any accidental damage to your amplifier and audio system.

Connect the power cables to power terminal 12V.

Connect one end of fuse holder to the power cable going into the amplifier and the other end of fuse holder to **POSITIVE (+)** battery.

This fuse location will protect the system and the vehicle against the possibility of a short circuit in the power cable. Be sure to use fuses and fuse holder adequate for the application.

15 Remote Input

Run a remote turn on cable from the switched 12V source. This may be a toggle switch, a relay, your source unit's remote trigger cables, or power antenna trigger cable.

Connect the remote turn on cable to the REM (remote) terminal.

16 Ground Input

Choose a solid grounding point as close to the amplifier as possible. Make sure the area is clean and provides a direct electrical connection to the vehicle's frame.

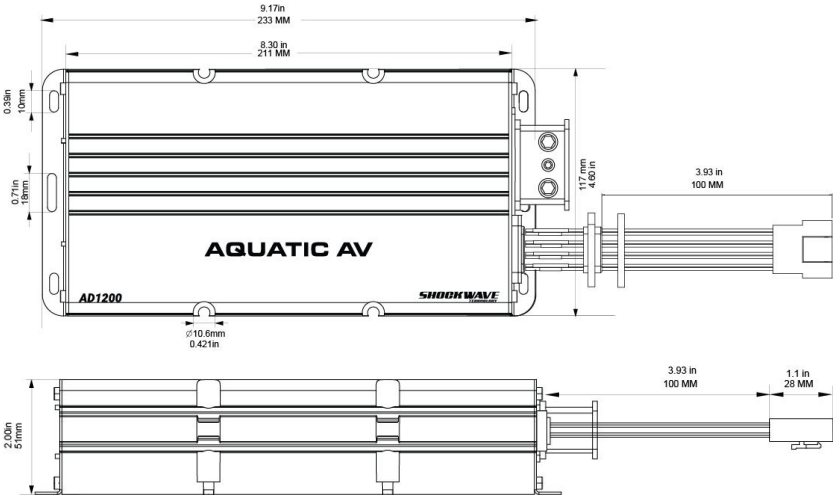
Use a cable that's the same gauge as the power cable—ideally 4 AWG. Connect one end of this cable to the grounding point or directly to a battery or battery bank.

Run the other end to the amplifier's mounting location and connect it to the GND (ground) terminal on the amplifier. Aim for the lowest possible resistance in the ground connection.

Specifications

Type:	Class D Digital Amplifier
Environment Protection:	IP65 Rating
RMS @ 4 Ohm (≤1% THD):	4x 190W
RMS @ 2 Ohm (≤1% THD):	4x 300W
RMS @ 4 Ohm (Bridged):	4x 520W
Frequency Response:	20Hz - 20kHz
Signal To Noise Ratio:	90dB
THD:	≤0.5%
Input Sensitivity:	12V - 0.2V
Best Efficiency:	>80%
Minimum Load:	2 Ohm
Current Draw:	103A
Overload Protection System:	Yes
Overheat Protection Temperature:	75°C
Operating Voltage:	9V - 16V DC

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

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**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