



DS18 MP.4A Dry 4 Channel Marine and Powersports Amplifier Owner's Manual

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DS18 MP.4A Dry 4 Channel Marine and Powersports Amplifier



Product Information

Product Name: MP.4A 4 Channel Marine & Powersports Amplifier

Features:

- Designed for marine and powersports applications
- 4-channel amplifier
- Comes with factory settings
- 480W total peak power
- 4 x 40W continuous power at 4 ohms

Specifications:

- **Total Watts (Peak):** 480W
- **RMS Power:** 4 x 40W at 4 ohms

Product Usage Instructions

1. Before starting, disconnect the negative cable from the battery and tape up the end to isolate it.
2. Mount the amplifier in a closed compartment of your vehicle or watercraft, ensuring adequate ventilation and avoiding exposed areas.
3. Secure the amplifier using the provided screws, making sure not to drill into or damage any electrical, hydraulic, fluid, or fuel lines.
4. Wiring/Cableado:
 1. Connect the Line out-L and Line out-R to your speaker system.
 2. Connect the Audio Input to your audio source.
 3. Connect the Blue/Remote wire to the appropriate remote turn-on lead.
 4. Connect the DC12V(+) wire with a fuse (not included) and ground the DC12V(-) wire to the metal chassis or negative polarity of the battery.
5. If the unit does not turn on, check if the fuse is blown or if the main acc switch is not engaged.
6. If no sound is heard, ensure that the device volume is not low or muted. Adjust the volume level accordingly.
7. Once everything is connected, reconnect the negative cable to the battery.

8. Turn on the amplifier for the first time. It is already set up with factory settings and ready to enjoy with your new speaker system.
9. For troubleshooting or warranty information, visit DS18.com.

Note: The manufacturer reserves the right to change products and specifications without notice. Images may or may not include optional equipment.

We LIKE IT LOUD

INTRODUCTION

Congratulations on the purchase of the MP.4A! It has been designed, engineered, and manufactured for the highest level of performance and quality.

DS18 presents digital class amplifier that will provide the best performance out of your speaker. They come ready to resist all the elements, water, dust, and vibrations that the world of motorsports brings.

This is a practical system with a few parts that are easy to install and enjoy. You won't need to adjust anything on the amplifier because it comes ready to play your favorite music loud and clear.

FEATURES

- Brushed Red Aluminum Body Color / Finish
- 3.5mm jack Input Audio Connector
- RCA left and right Audio Output
- IPX5 Waterproof Rating
- Salt Fog Protection
- Power Direct Harness Design
- Surface Mount Component Technology
- Marine Grade Fuse Holder

CAUTION

This symbol with "CAUTION" is intended to alert the user to the presence of important instructions. Failure to heed the instructions could result nonjury or unit damage. To prevent injury and damage to the unit, please read and follow the instructions in this manual. If you feel unsure about installing this system yourself, have it installed by a qualified technician. Before installation, disconnect the battery negative (-) terminal to prevent damage to the unit, fire, and / or possible injury.

AMPLIFIER INSTALLATION

Amplifiers are generally mounted in closed compartments of the vehicle or watercrafts. Select a location that will provide adequate ventilation for the amplifier. Avoid mounting the amplifier in exposed areas.

Secure the amplifier with the screws provided. Before securing the amplifier, inspect the mounting location carefully to ensure that you do not drill into or damage any electrical, hydraulic, fluid, or fuel lines.

1. Before you start, disconnect the negative cable from the battery, tape up the end so it is isolated from the battery.
2. Run an appropriate gauge wire from the battery to the amplifier. Plan this part of the installation carefully. this cable will carry very high current. If it should short to the body and it is not properly fused, it could catch fire.
3. Connect the power wire to the battery using a fuse capable of the total current load of all amplifiers connected. Wait until the end locate the fuse as close as possible to the battery.

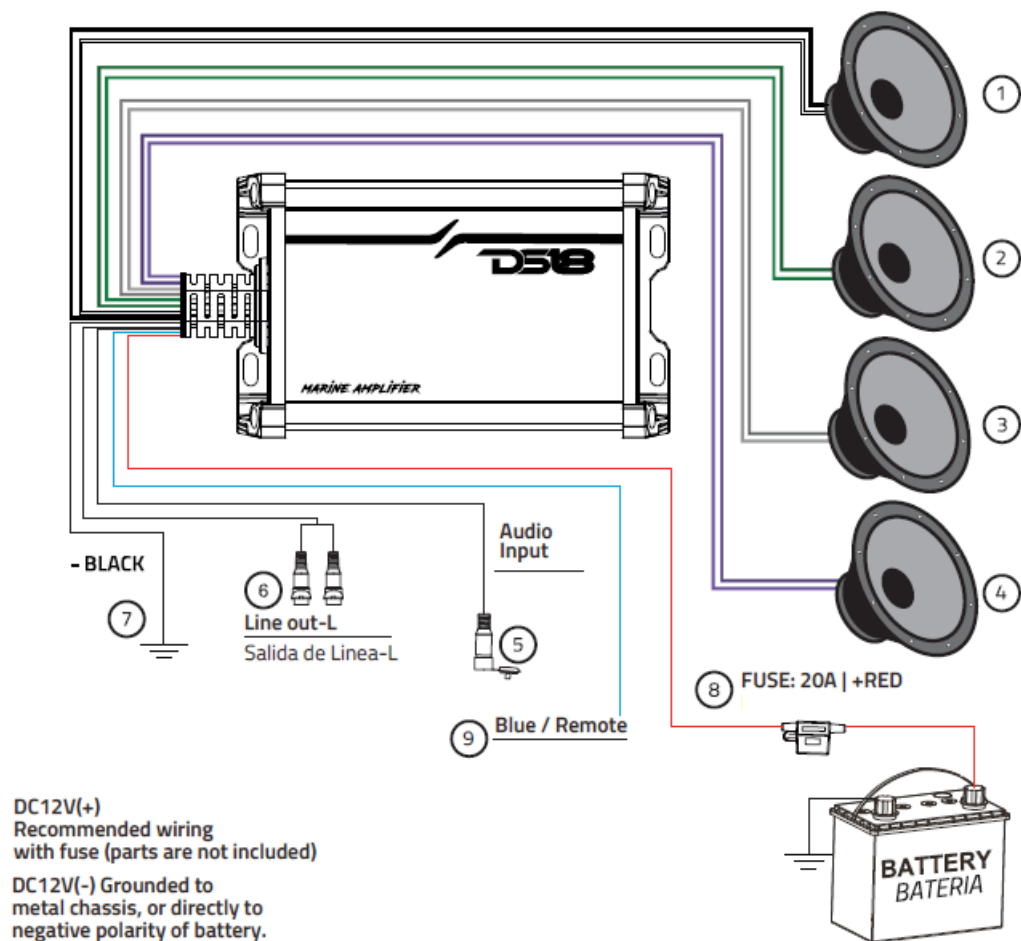
4. Find the closest clear metal area to the amp for a ground. sand, grind or scrape all paint and undercoating from the body and screw the ground securely in place. In some vehicles or boats the ground wire must go directly to the battery, use a proper size and color wire to identify as a ground wire and avoid mixing it with the positive wire.

It is advisable to test the ground with an ohmmeter between the ground cable and the negative battery cable to ensure a good low resistance connection. Some alloys used in modern vehicles do not offer the best ground. If you believe this is the case – first consult with the vehicle manufacturer.

5. Run the speaker wire to the speakers. It is advised that you leave some extra wire at this point. You can fix it later. This amplifier is a multi-channel amplifier design, meaning it has more than one channel of speaker outputs. It is equipped with a harness over-mold. Connect this carefully and neatly; strip your wire back and twist the exposed leads and use an insulated waterproof marine butt connector. If the wires ever contact each other the amplifier will go into protection mode.
6. Connect the speaker wires to the amplifier and speakers (make sure the amp is off first). Make sure the polarity (+) and (-) is correct.
7. Connect the remote wire and the RCA audio signal from the BT Receiver to the amplifier.
8. If you haven't done so already, mount the amplifier now.
Only after this step – you should connect back the negative cable at the battery.
9. Now is a good time to turn on the amp for the first time. This MP.4A amplifier already comes with all the factory settings, it is ready to enjoy with your new speaker system.

WIRING

1. White : CH1 Speaker Output (+)
White/Black: CH1 Speaker Output (-)
2. Green: CH3 Speaker Output (+)
Green/Black: CH3 Speaker Output (-)
3. Gray: CH2 Speaker Output (+)
Gray/Black: CH2 Speaker Output (-)
4. Violet: CH4 Speaker Output (+)
Violet/Black: CH4 Speaker Output (-)
5. Audio Input: Audio Signal from the BT receiver using the 3.5mm Jack to RCA included wire.
6. Audio Output: use this to feed another amplifier, for example you can use this to add a Sub-woofer amplifier.
7. Black Wire (16Ga): Negative/Ground, Connect this directly to the Negative post or chassis ground.
8. Red Wire (16Ga) with Fuse Holder: Power +12V, connect directly to the battery source (positive).
9. Blue Wire: Remote Input, connect this to the receiver.



SPECIFICATIONS

POWER

- Total Watts (Peak)480W
- RMS Power4 x 40W

AUDIO

- Frequency Response 20Hz-20KHz
- Signal to Noise Ratio 82dB
- Efficiency @ 4ohm80%
- Damping Factor.....200
- Total Harmonic Distortion (THD) : 0.1%
- Low Level Input Range2.5V (Fixed)
- Selectable X-OverNo

FEATURES

- Amplifier Class Digital (D)
- Amplifier TypeStereo Full Range
- Number of Channels 4
- Minimum Impedance 4 Ohm Stereo (Not Bridgeable)

- LED Indicator
.No
- Power Input Terminal Size 16Ga
- Fuse Siz20A
- Voltage Operation 9-15V DC
- Thermal Protection Yes (>75°C / 167°F)
- Over-Load ProtectionYes
- DC Output Protection.....Yes
- Short Circuit Output ProtectionYes
- Voltage Input Protection Yes (<9.2V / >16V)
- Body Color / Finish Brushed Red Aluminum / Rojo Aluminio Cepillado
- Input Audio Connector3.5mm jack
- Audio Output Yes, RCA left and right / Sí, RCA izquierdo y derecho
- Waterproof Rating IPX5
- Salt Fog ProtectionYes / Sí
- Power Direct Harness DesignYes / Sí
- Surface Mount Component TechnologyYes / Sí
- Marine Grade Fuse HolderYes / Sí

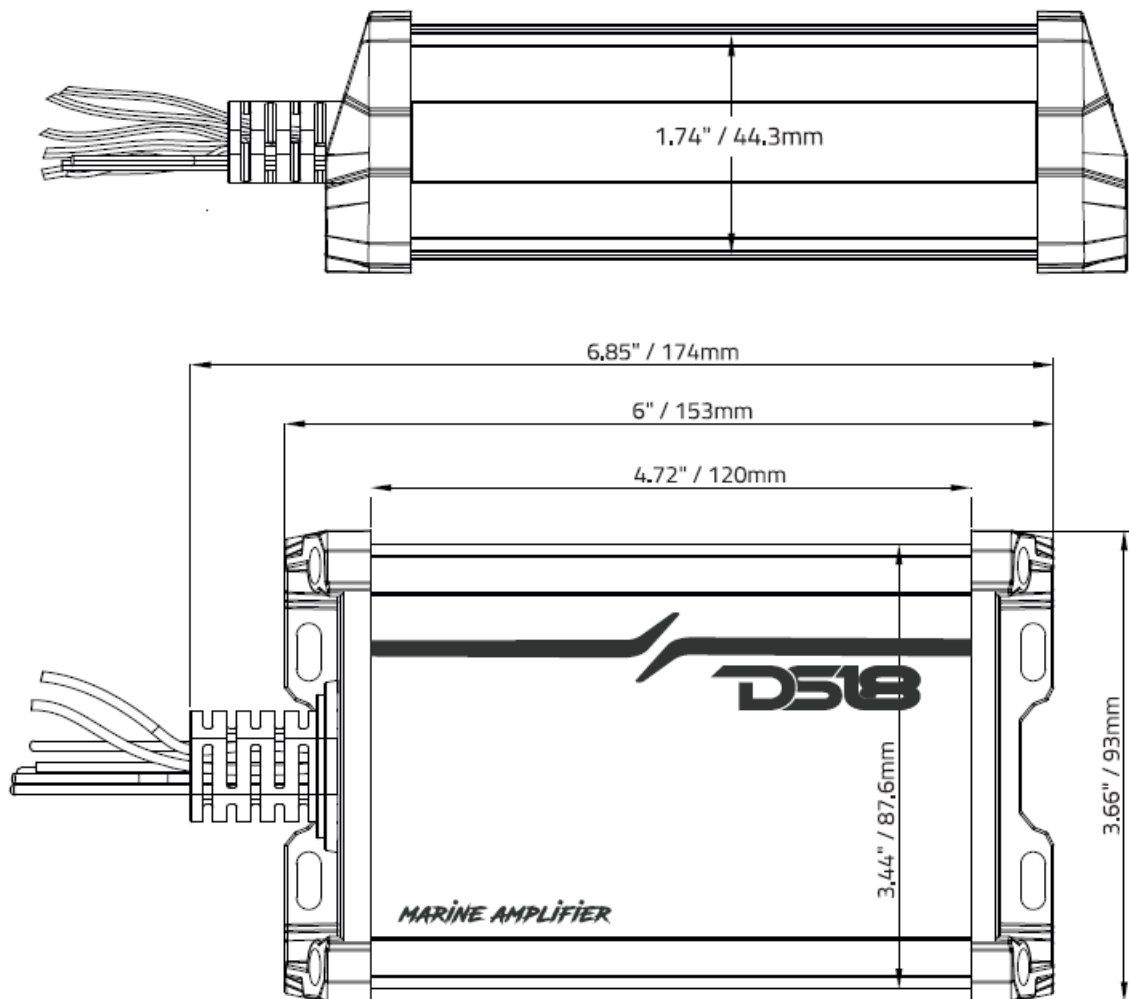
MEASUREMENT

- Overall Length 6" / 153mm
- Overall Width 3.66" / 93mm
- Overall Height : 1.96" / 50mm
- Heatsink Length 4.72" / 120mm
- Gross Single Unit Weight 1.62Lb / 735g

TROUBLESHOOTING

TROUBLE	CAUSE	SOLUTION
Unit will not turn on	The fuse is blown	Check/Replace the fuse
	Main acc switch not engaged	Turn switch to on position
No sound is heard	Device volume is low/muted	Turn the volume level up

MEASUREMENT




WARRANTY

Please visit our website [DS18.com](https://www.ds18.com) for more information on our warranty policy

We reserve the right to change products and specifications at any time without notice. Images may or may not include optional equipment.

FOR MORE INFORMATION PLEASE VISIT [DS18.COM](https://www.ds18.com)

Documents / Resources

	<p>DS18 MP.4A Dry 4 Channel Marine and Powersports Amplifier [pdf] Owner's Manual MP.4A, MP.4A Dry 4 Channel Marine and Powersports Amplifier, Dry 4 Channel Marine and Powersports Amplifier, 4 Channel Marine and Powersports Amplifier, Marine and Powersports Amplifier, Powersports Amplifier, Amplifier</p>
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References

- [Official DS18 Pro Audio Store - Speakers, Subwoofers, Amps & More!](#)