



DS18 MP4TP.4A POWERSPORTS SOUND SYSTEM PACKAGE Owner's Manual

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DS18 MP4TP.4A POWERSPORTS SOUND SYSTEM PACKAGE



INTRODUCTION

Congratulations on the purchase of the MP4TP.4A! It has been designed, engineered, and manufactured for the highest level of performance and quality.

DS18 presents the best digital class amplifier that will provide the best performance out of your speaker towers. They come ready to resist all the elements, water, dust, and vibrations that the world of motorsports brings; it won't be a problem.

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

- Designed for marine and powersports applications
- IPX5 water resistance rating
- For All Elements
- BT 5.0 A2DP connectivity
- Wireless connection range up to 130ft.*
- USB Input to play your favorite music files
- 3.5mm jack auxiliary audio input
- High Efficiency 4 Channel Digital Amplifier
- 4 x 4" Tower Speaker pods with Tube Clamp
- Easy to use – LED illuminated push buttons
- Round cage design for easy installation
- Seamless Flush Mount

Conditions may vary the maximum range.

CAUTION

This symbol with "CAUTION" is intended to alert the user to the presence of important instructions. Failure to heed the instructions could result in injury 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.

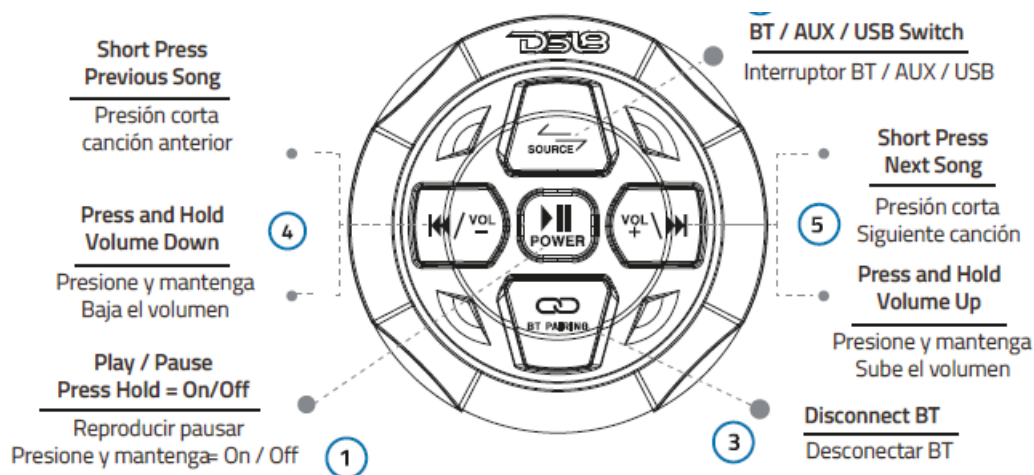
PACKAGE

PACKAGING INCLUDES

After you have unpack the speaker system, check all the contents of package; If something is missing, please call us.

- (4) MP4TP/BK speakers
- (4) Mounting clamps (Pre-Installed on speakers)
- (16) M6 x 15mm bolts (Pre-Installed)
- (24) Rubber clamp adapters (1/8" thickness)
- (1) BTRC-R BT Receiver
- (1) MP.4A (4 Channels Amplifier)
- (8) 16-22 AWG butt connector
- (1) RCA to 3.5mm jack Audio Cable 6.5ft
- (1) 3.5mm Stereo Aux cord
- (1) Remote Wire 6.5ft
- (1) Bag with Screws

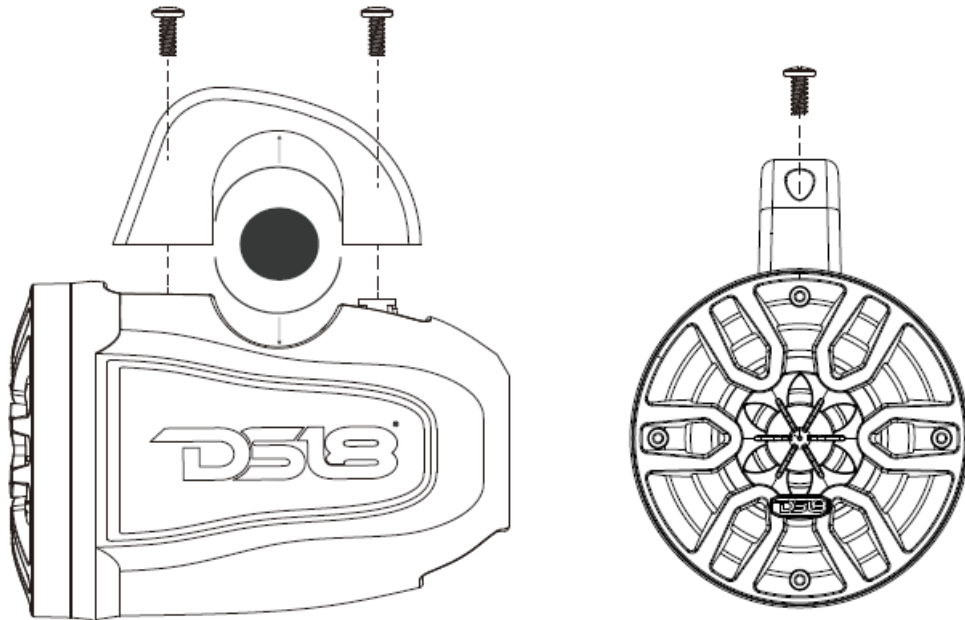
OPERATION CONTROLS



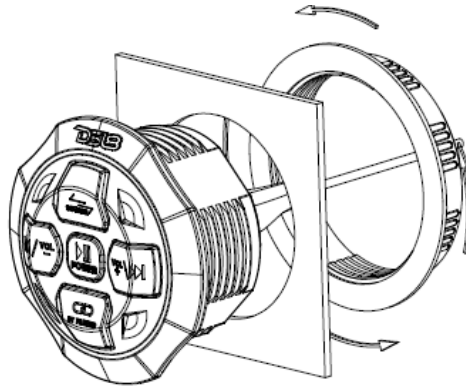
NO	CONTROL	FUNCTION	
1 2 3 4			Short press for Play/ Pause Long press 3 seconds for On/Off
			Short Press to switch BT/AUX In/ MP3 mode
			Long press 3 seconds to disconnecting and repress 3 seconds for reconnecting.
			Short press for previous song Long press for volume down continuously
5		Short press for next song Long press for volume up continuously	

SPEAKER TOWER INSTALLATION

1. Unpack and disassemble the clamps from the speaker. Make sure you account for all hardware when removing it from the clamps. There are lock washers that must be re-installed on the clamp.
2. Determine the location of the speaker.
3. Determine the correct rubber clamp adapters that are needed for your application.
4. The rubber adapters will need to be cut to length, so they fit the enclosure and clamp.
5. After the rubber clamp have been cut, remove the white protective layer and stick them to the clamp and enclosure.
6. Place the speaker on the tower and have the top clamp ready to place on top.
7. Screw the two bolts evenly, until snug. Once the position is verified, tighten the bolts another half turn.
DO NOT OVERTIGHTEN.
8. The speaker accept up to 16 GA wire, it is recommended you use a high-quality marine grade speaker cable for your installation.



BT MODULE INSTALLATION



MOUNTING (BT Module BTRC-R)

To mount the unit, you will need to find a flat surface with adequate clearance behind it that provides enough clearance for the unit and all it's necessary wiring.

1. Once you have determined a mounting location, you will need to cut a circular hole 2.87" (73 mm) in diameter.
2. After the hole is cut, remove the nut ring unscrewing it from the unit, then slide the unit and wiring through the hole.
3. Take the nut ring and screw it back on. Tighten down with hand, DO NOT OVER-TIGHTEN.
4. Plug in all wiring harnesses and cables. Refer to the wiring diagram to make the connections.

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.

- 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.
- 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.
- 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.

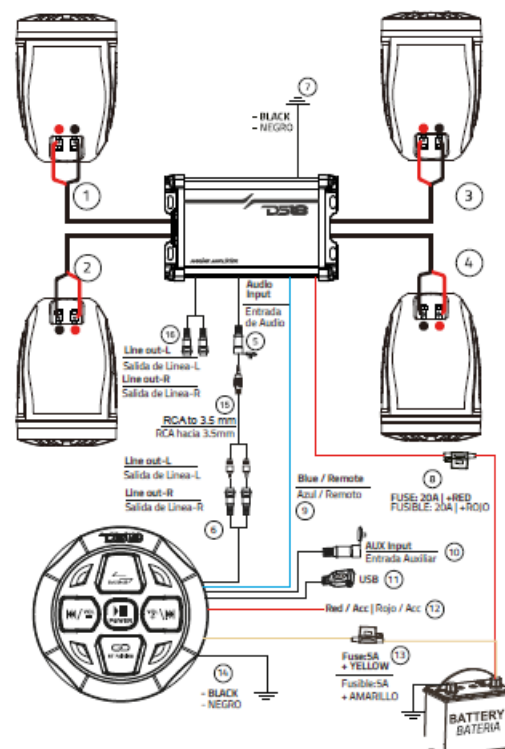
It is advisable to test the ground with an ohmmeter between the ground cable and the negative battery cable to ensure a good low resistance connection. Some alloys used in modern vehicles do not offer the best ground. If you believe this is the case – first consult with the vehicle manufacturer.

- 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.
- Connect the speaker wires to the amplifier and speakers (make sure the amp is off first). Make sure the polarity (+) and (-) is correct.
- Connect the remote wire and the RCA audio signal from the BT Receiver to the amplifier.
- 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.

- 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. RCA Pre-Output: Audio Signal to the MP.4A amplifier (White: Left Ch, Red: Right Ch).
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 Output, connect this to the MP.4A amplifier.
10. 3.5mm Jack Audio Input: Analog Audio Auxiliary input using a stereo plug wire.
11. USB Port: Connect a USB Drive up to 32Gb with MP3/WMA Audio Files.
12. Red Wire (20Ga): ACC, connect this to an Accessory switch or a Master Switch, this allows to turn on/off the device to avoid battery from discharging when not in use.
13. Yellow Wire (20Ga) with Fuse Holder: Power +12V, connect directly to the battery source (positive).
14. Black Wire (20Ga): Negative/Ground, Connect this directly to the Negative post or chassis ground.
15. Audio Wire: RCA to 3.5mm wire adapter included to connect the BT receiver to the Amplifier.
16. Audio Output: use this to feed another amplifier, for example you can use this to add a Sub-woofer amplifier.

SPECIFICATIONS

GENERAL SPECIFICATIONS

- Speaker Type / Size.....4" Tower Speakers
- Sound System Components4 x Tower Speakers (MP4TP/BK) + 4 Ch Amplifier (MP.4A) + BT Receiver (BTRC-R)
- Total Max Power Handling.....600W
- Frequency Response60Hz-20KHz
- Voltage Operation9-15V DC

TOWER BODY FEATURES

- Enclosure MaterialInjection PC+ABS / Injection PC+ABS
- Marine Grade Type IPX5 + UV Stable / IPX5 + UV Stable
- RGB Led TypeNo / No
- Grill Type Injection PC+ABS / Injection PC+ABS
- ClampTube Type Fixed with pads for 1-1/2" to 2"
- Front Logo..... Yes / Si
- Finish Matt Black / Negro Mate
- Sensitivity /..... 89 dB
- Total Impedance 4 Ohm (Each Tower)

TOWER WOOFER SPECIFICATIONS

- Voice Coil Diameter1" / 25.4mm
- VC Former Material KSV
- Winding Material PEPSV
- Cone Material.....Injection Molded Polypropylene + UV Compliant /
- Surround Material / Material de la SuspensiónButyl (Rubber) / Goma
- Basket Material Steel with Salt Protection Coating /
- Magnet Material Ferrite /
- Magnet Weight11 oz
- Magnet Diameter3.14" / 80mm

TOWER TWEETER SPECIFICATIONS

- Voice Coil Diameter1" / 25mm
- Voice Coil Former Material..... ASV
- Winding Material CCAW
- TypeDome /
Domo
- Diaphragm Material PEI
- Magnet MaterialNeodymium / Neodimio
- Magnet Weight 45g
- Crossover.....
6dB/Oct

TOWER SPEAKER MEASUREMENT

- Overall Diameter5.51" / 140 mm
- Overall Depth8.07" / 205 mm
- Overall Height7.28" / 185 mm with clamp

AMPLIFIER FEATURES

- Audio Source3.5mm Jack Input / Entrada de connector 3.5mm
- Waterproof RatingIPX5
- Audio OutputYES / Si (RCA L+R)
- Body Material..... Aluminum / Red Brushed

AMPLIFIER SPECIFICATIONS

- Amplifier ClassStereo Full Range / Estereo Rango Completo
- Amplifier Type Digital / Digital
- Number of Channels 4 Channels / 4 Canales
- Total MAXPower Handling /..... 4 x 120W @ 4 Ohm
- Minimum Impedance 4 Ohms

- Signal to Noise Ratio 82 dB
- Power Input Wire Size.....16 Ga
- Fuse Size20 Amp
- Thermal Protection.....Yes / Si (>75°C / 167°F (+/- 5°)
- Over-Load ProtectionYes / Si
- DC Output ProtectionYes / Si
- Short Circuit Output ProtectionYes / Si
- Voltage Input ProtectionYes (<9.2V / > 16V)

AMPLIFIER MEASUREMENT

- Overall Length 6" / 153mm
- Overall Wide..... 3.66" / 93mm
- Overall Height1.96" / 50mm
- Heatsink Length 4.72" / 120mm
- Gross Single Unit Weight 1.62Lb / 735g

BT RECEIVER SPECIFICATIONS

- Frequency Response 20Hz-20KHz
- Signal to Noise Ratio >80dB
- T.H.D / T.H.D
.....
<0.1%
- Channel Separation..... >60dB
- Voltage Operation DC 12-14.4V
- Fuse Size 5 Amp
- BT Version 5.0
- Wireless Range >130 ft (conditions may vary)
- Waterproof Rating IPX6
- USB Charging Capacity 1 amp
- USB Files Format Compatible MP3 / WMA

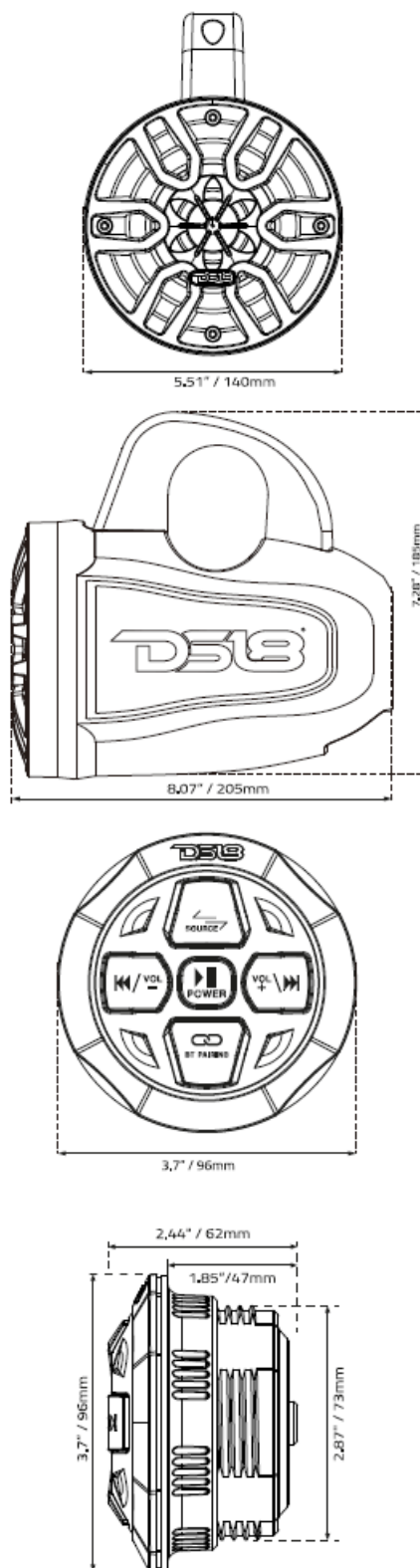
BT RECEIVER FEATURES

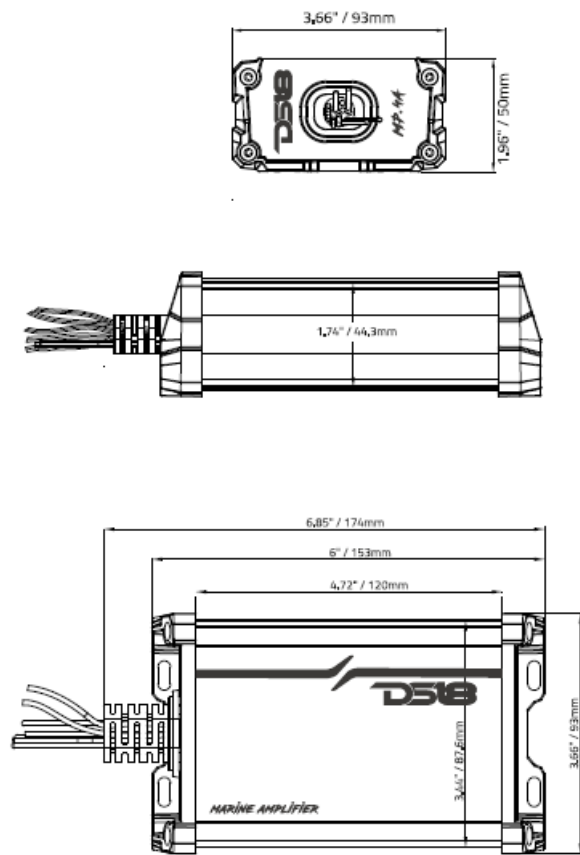
- RCA Line Out (Pre-Amp) ... Yes/ Si ... 1 pair (Left & Right) 2.5V
- Aux Line Input Yes/ Si ... Plug 3.5mm
- Remote Out Yes/ Si ... < 200mA
- USB PlayerYes/ Si ... < 32Gb with 4ft extension cord / Con cable de extension de 4 Pies
- Buttons..... Yes/ Si ... Power/Source/Play/Pause/Next/Prev Vol+/Vol-/BT Pairing
- Illumination / Yes/ Si ... Blue Backlit / Azul
- Body Material ABS Black housing Rubber Buttons ABS

BT RECEIVER MEASUREMENT

- Overall Diameter 3.7" / 96mm
- Overall Depth 2.44" / 62mm
- Mounting Depth 1.85" / 47mm
- Mounting Hole Size 2.87" / 73mm

MEASUREMENT






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
Cannot pair BT	The BT Function of the device is not enabled	Refer to the user manual of the device for how to enable the BT Function
The audio quality is poor after connection with a BT Enabled device	The BT Reception is Poor	Move the device closer to the audio system or remove any obstacle between the device
Unit has become unresponsive	Power glitch or interference	Disconnect power for 10 seconds to reset

WARRANTY

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

Documents / Resources

	<p>DS18 MP4TP.4A POWERSPORTS SOUND SYSTEM PACKAGE [pdf] Owner's Manual MP4TP.4A POWERSPORTS SOUND SYSTEM PACKAGE, POWERSPORTS SOUND SYSTEM PACKAGE, SYSTEM PACKAGE</p>
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