

# DS18 BTRCRMIC Waterproof Bluetooth Audio Streamer Owner's Manual



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## OWNER'S MANUAL

**BTRCRMIC**  
WATERPROOF BLUETOOTH  
AUDIO STREAMER WITH CONTROLS  
AND HANDHELD MICROPHONE



**PERFECT FOR: CARS · TRUCKS · BOATS · ATVS · UTVS · 4X4 · MOTORCYCLES**



**△▲ FOR ALL ELEMENTS ≡**

## INTRODUCTION

Congratulations on your purchase of the BTRCRMIC. It has been designed, engineered and manufactured for the highest level of performance and quality.

## FEATURES

Marine Waterproof Universal Bluetooth streaming Audio Receiver with Controls and Handheld Microphone.

Inputs & Outputs:

USB port for Music and Charging (1A).

Aux Audio input using 3.5mm jack.

Mic/Handset Controller Input.

RCA line output for external amplifier.

Remote output for external amplifier.

- One hole design for easy installation
- CB Radio style Microphone with controls
- IPX6 Water resistance rating
- For all elements
- USB port to Play your favorite music or re-charge your devices

- Built-in Wireless BT Audio Receiver
- BT 5.0v for long range up to 130ft\*
- 3.5mm jack auxiliary audio input
- Stereo 2.5v Pre-out RCA
- Remote output to control external amplifier
- Use it as stand-alone source unit/receiver
- Easy to use blue back-lit silicon buttons
- Integrated Power Wiring Harness
- Overload & Power Protection Circuitry
- Great For Cars, Trucks, ATVs, UTV's, 4x4s, Boats, Marine Watercrafts, & PowerSport Vehicles

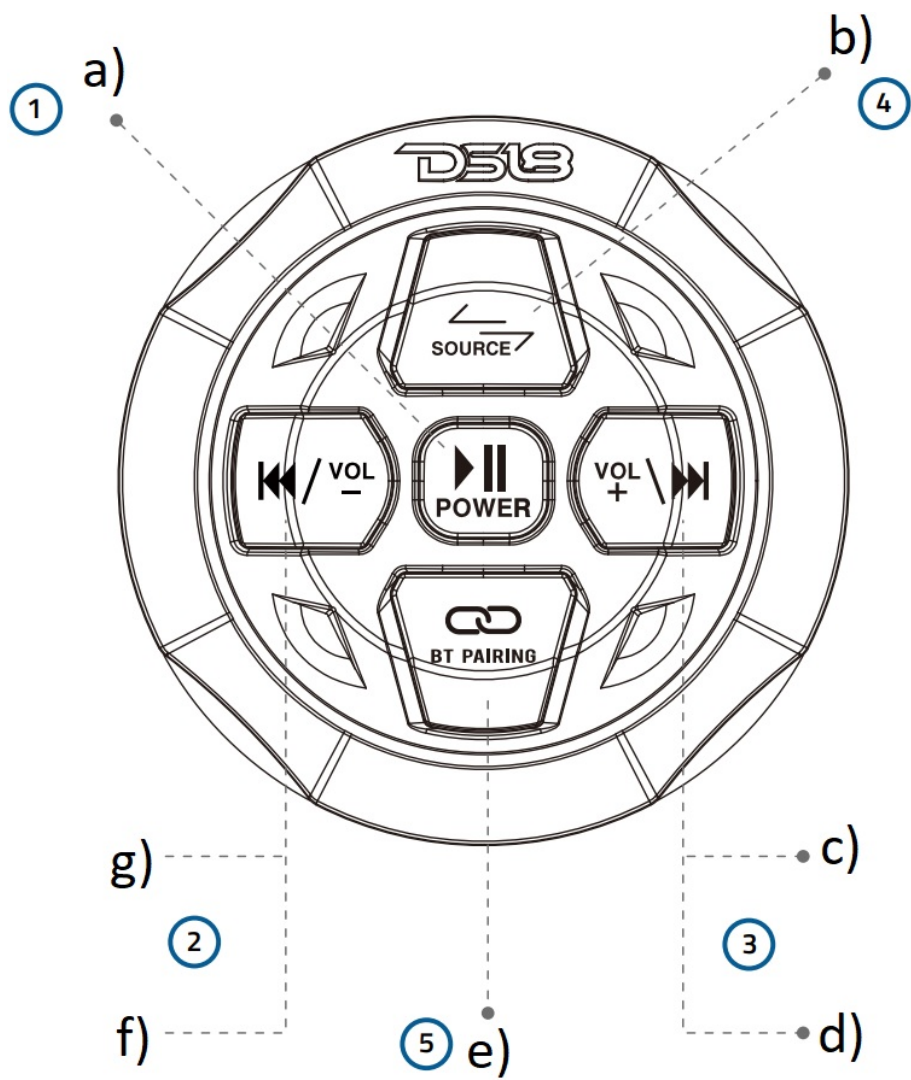
\*Range may vary based on conditions



While the mounting system was designed for safe and stable installation, it is important to remember this product will be used in extremely bumpy and turbulent conditions. Please consider all possible scenarios where these will be placed and secured






All specifications subject to change without notice

#### **UNIT OPERATION**

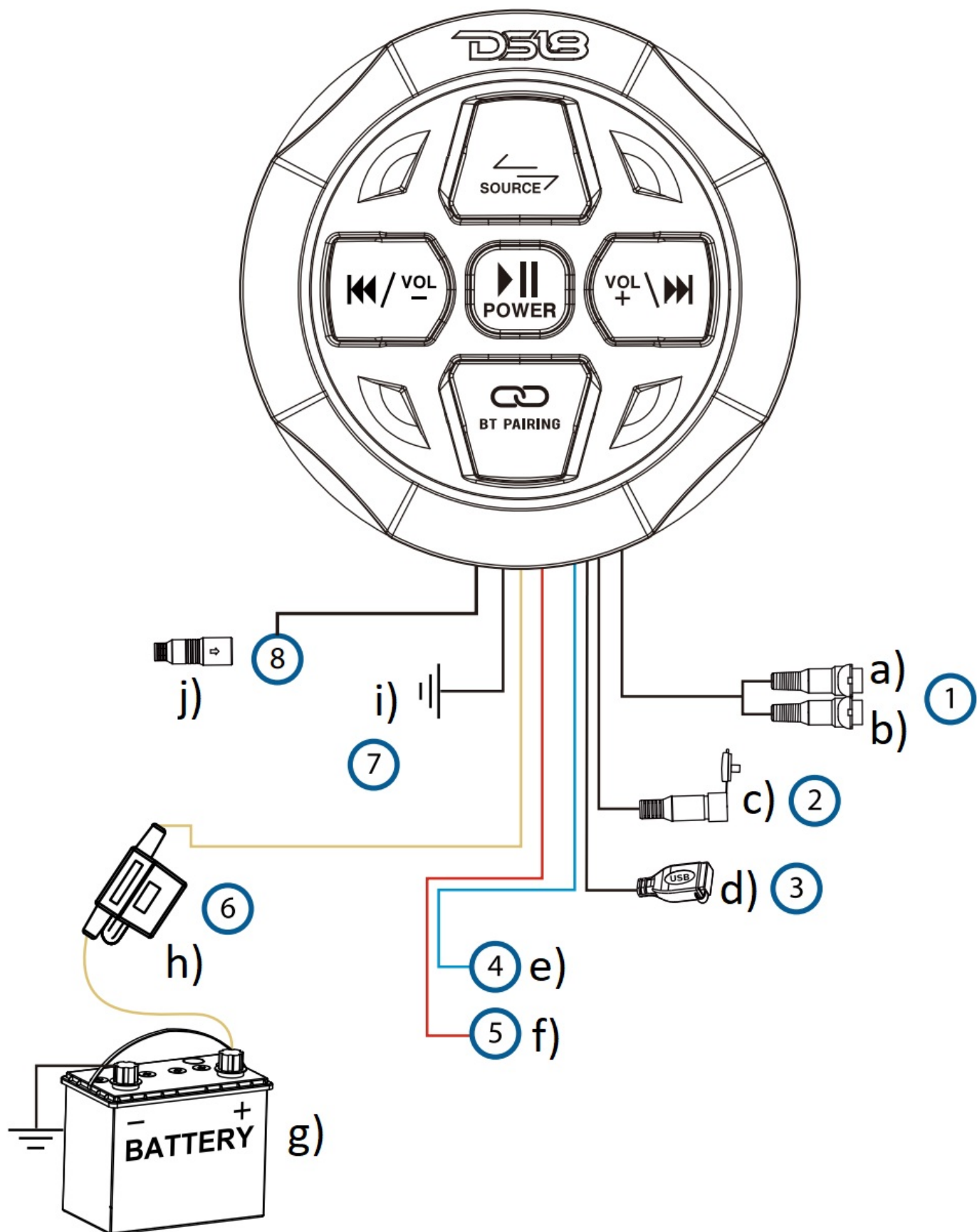


- a) Play / Pause  
Press Hold = On/Off
- b) BT/AUX/USB Switch
- c) Short Press  
Next Song
- d) Press and Hold  
Volume Up
- e) BT Connection
- f) Press and Hold  
Volume Down
- g) Short Press  
Previous Song

#### FUNCTION DEFINITION

| N<br>O   | CO<br>NT<br>RO<br>L  | FUNCTION  | REMARK  |
|--|--|---|---|
| (<br>1<br>)  |  POWER        | Power On/Off: Press and Hold for 3 seconds. Priority access is given to BT searching after turning on the power. When waiting for BT connection , the background light flashes quickly. When playing music, short press f or play/pause. When paused the background light flashes slowly.   |   |
| (<br>2<br>)  |  / VOL -      | When playing music in BT & USB mode; short press for the previous song, long press to turn the volume down quickly.   |   |
| (<br>3<br>)  | VOL +         | When playing music in BT & USB mode; short press for the next song, long press to turn the volume up quickly. The receiver will beep when it has reached MAX volume, and it will keep beeping if keep pressing.   |   |
| (<br>4<br>)  |  SOURCE       | Switching sources mode; short press for switching between Aux In / USB / BT modes<br><br>BT: The background light flashes quickly when searching, and slowly after connecting<br><br>Aux In: The background light is always on, and the light flashes slowly when you press pause.<br><br>USB: The background light is always on and plays music directly from source, the light flashes slowly when you press pause. | Each time you switch the sources mode, you must set the volume back to 1/3 of the total volume by default |
| (5)  |  BT PAIRING | BT: Long press for 3 seconds to connect/disconnect any paired devices   |   |
|  | BT Connection  | When BT is connected, the blue light remains on and volume is synchronized with the device. The BT device's preassigned name is: "DS18-BT RC".  |   |
|  | Auto connect function  | Devices disconnect if taken outside of the receiving range. When out of range, other devices can connect to the BT Device. REMEMBER: The BT devices background light flashes when searching for devices to connect to.<br><br>When reentering the receiving range, the device with priority access reconnects automatically. After connecting, the BT light will flash slowly.  |   |
| Note: Fast flashing: every 0.25 seconds   Slow flashing: every 0.5 seconds |  |   |   |

## WIRING DESCRIPTION



- a) Line out-L
- b) Line out-R
- c) AUX Input
- d) USB
- e) Blue / Remote
- f) Red / Acc
- g) DC12V(+)

Recommended wiring with fuse (parts are not included)

DC12V(-) Grounded to metal chassis, or directly to negative polarity of batter

h) Fuse: 5A

+YELLOW

i) BLACK

j) Microphone

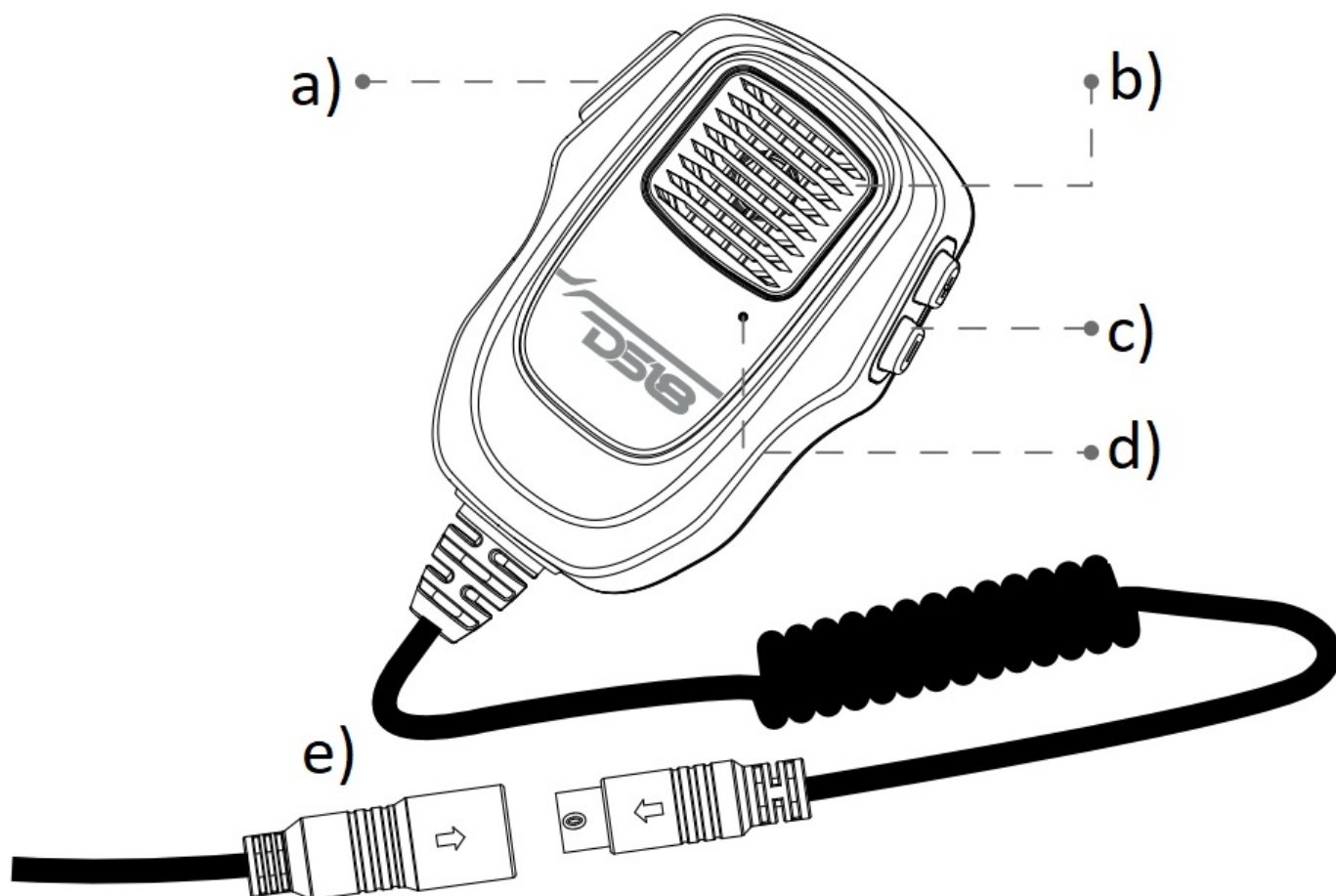
| N<br>O   | OPERATIONS – CONTROLS  |
|----------|--|
| (1)<br>) | RCA Pre-Output: Audio Signal to the external amplifier (White: Left Ch, Red: Right Ch)   |
| (2)<br>) | 3.5mm Jack Audio Input: Analog Audio Auxiliary input using a stereo plug wire  |
| (3)<br>) | USB Port: Connect a USB Drive up to 32Gb with MP3/WMA Audio files  |
| (4)<br>) | Blue Wire: Remote Output, connect this to the external amplifier   |
| (5)<br>) | Red Wire: ACC, connect this to an Accessory switch or a Master Switch, this allows you to turn the device on/off to avoid battery drain when not in use. |
| (6)<br>) | Yellow Wire with Fuse Holder: Power +12V, connect directly to the battery source (positive)  |
| (7)<br>) | Black Wire: Negative/Ground, Connect this directly to the Negative post or chassis ground  |
| (8)<br>) | Microphone Input: Microphone input using a Waterproof plug wire to connection  |

#### MICROPHONE / HANDSET CONTROLLER OPERATION

To use the public address feature on the BTRCRMIC connect the custom microphone included with the amplified wireless BT controller

Short pressing the button on the microphone mutes your audio source and relays the microphone signal to the amplified wireless BT controller. When the red indicator flashes ON, then you can adjust the microphone's volume.

The microphone can be used to supplement either AUX/BT input from your signal source. When the mic switch is engaged, your audio input is muted until you press the button again and the red indicator is OFF.



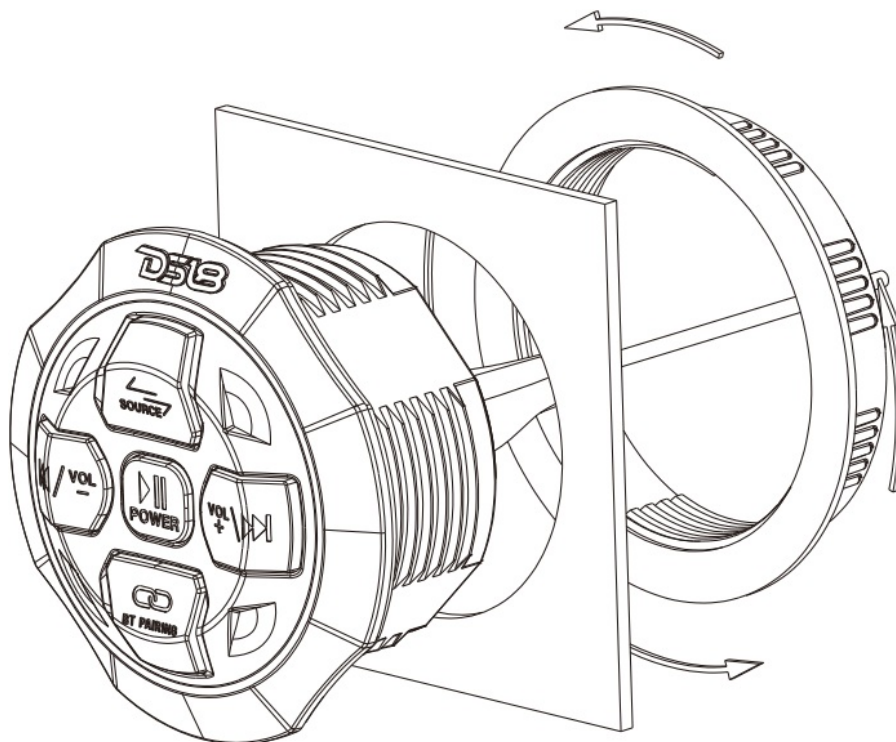
- a) Talk Button
- b) MIC
- c) Mic vol +/-
- d) LED indicator
- f) Microphone

You can use the microphone to supplement either AUX or BT input from your signal source. In any case, when the mic switch is engaged, your audio input will be silenced until you press the button again. The red indicator is OFF.

## INSTALLATION

### FLUSH MOUNT





WE LIKE  
IT LOUD



## SPECIFICATIONS

|                                       |                               |
|---------------------------------------|-------------------------------|
| Frequency Response .....              | 20Hz-20KHz                    |
| Signal to Noise Ratio .....           | > 80dB                        |
| Total Harmonic Distortion (THD) ..... | < 0.1%                        |
| Channel Separation .....              | 60dB                          |
| Voltage Operation .....               | DC 10V-15V                    |
| Fuse Size .....                       | 5 Amp                         |
| BT Version .....                      | 5.0                           |
| Wireless Range .....                  | >130 ft (conditions may vary) |
| USB Charging Capacity .....           | 1 Amp with 4ft Extension Cord |
| USB Files Format Compatible .....     | MP3 / WMA                     |
| USB Player Capacity .....             | < 32GB                        |
| Remote Out .....                      | < 200mA                       |
| RCA Line Out (Pre-Amp) .....          | 1 pair (Left & Right) 2.5V    |

## FEATURES

Aux Line Input ..... Plug 3.5 mm  
 Buttons / Controls (Unit) / ..... Power/Source/Play/Pause/Next/Prev/Vol+/Vol-/BT Pairing  
 Buttons / Controls (Microphone) / ..... CB style Talk on/off/Mic Vol+/Vol-  
 Illumination (unit) ..... Blue Backlit  
 Body Material / Color / Finish (Unit) / ..... ABS Black Housing / Rubber Buttons  
 Body Material / Color / Finish (Microphone) / ..... ABS Black Housing / Rubber Buttons  
 Waterproof Rating ..... IPX6

## MEASUREMENTS

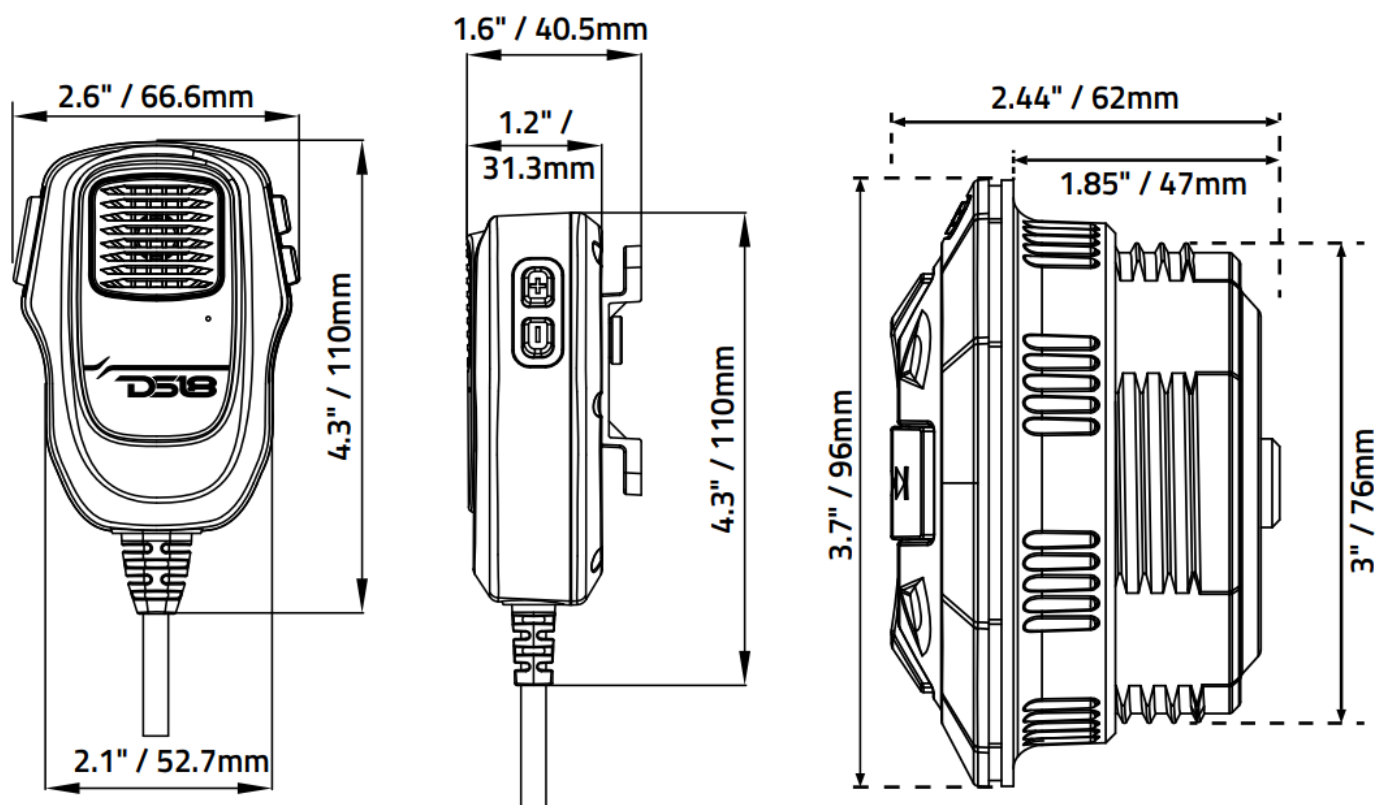
Unit:

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

Microphone:

Overall Width ..... 2.6" / 66.6 mm  
 Overall Height ..... 4.3" / 110 mm  
 Overall Depth ..... 1.2" / 31.3 mm  
 Overall Depth (with Clamp) ..... 1.6" / 40.5 mm

## DIMENSIONS



## WARRANTY

Please visit our website [DS18.com](http://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.



**WARNING:**  
 Cancer and Reproductive Harm.  
[www.P65Warning.ca.gov](http://www.P65Warning.ca.gov)

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.

Note: 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 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 interference to radio of television reception, which can be determined by turning the equipment off and then on, the user is encouraged to try to correct the interference by one or more of the following.



FOR MORE INFORMATION  
PLEASE VISIT  
[DS18.COM](http://DS18.COM)

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**DS18®**

V2

## Documents / Resources

|  |   |
|--|---|
|  | <p><a href="#">DS18 BTRCRMIC Waterproof Bluetooth Audio Streamer</a> [pdf] Owner's Manual<br/>BTRCRMIC, BTRCRMIC Waterproof Bluetooth Audio Streamer, Waterproof Bluetooth Audio Streamer, Bluetooth Audio Streamer, Audio Streamer</p> |
|--|---|

## References

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

[Manuals+](#), [home](#) [privacy](#)