Manuals+ — User Manuals Simplified.

LC-DRM Digital LED Lighting Bluetooth Controller

DS18 LC-DRM Digital LED Lighting Bluetooth Controller Owner's Manual

Contents

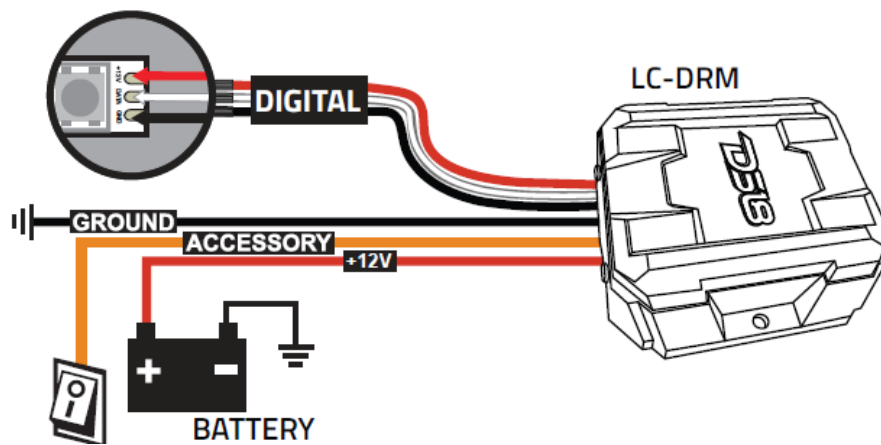**DS18 LC-DRM Digital LED Lighting Bluetooth Controller**

FEATURES:

- Latest BT 5.4 Version for faster speed & longer range
- Compact design
- Up to 15 Amps of Lighting Capacity
- Control Multiple Digital
- LED Lights
- Water-resistant, IP66 rated
- 12 Volt Applications
- Not For Submersible Use
- Compatible with Both iOS and Android Platforms
- Up to 8 LED Channels (Parallel)
- Bluetooth® Control Distance Up to: 100Ft/30m

GREAT FOR:

- CARS, JEEPS, MARINE, POWERSPORTS & MORE

INSTALATION

- Red LED +12V
- White LED DATA
- Black LED GND
- Black GROUND (-)
- Orange ACC (+)
- Red (+12V)

ACCESSORY

- SWITCH (+12V) INTERRUPTOR

APP FUNCTIONS:

- **Power:** 0n/off
- **Color Wheel:** Choose color with touch sensitive color wheel
- **Brightness:** Slider Controlled; Change the light intensity.
- **Speed:** Slider Controlled; Change the speed at which the colors change in multi-color mode.
- **Favorite Mode:** Save your custom light mode.
- **Mode Palette:** Choose between different lighting patterns.
- **Music or Mic Mode:** Control music via libary or live music.

STEP ONE :

- Download the APP (DS18 LC) in ANDROID (GOOGLE PLAY STORE) or iOS (APP STORE)
-

Please turn on the Bluetooth® and GPS positioning when using this product, otherwise, it will fail in the
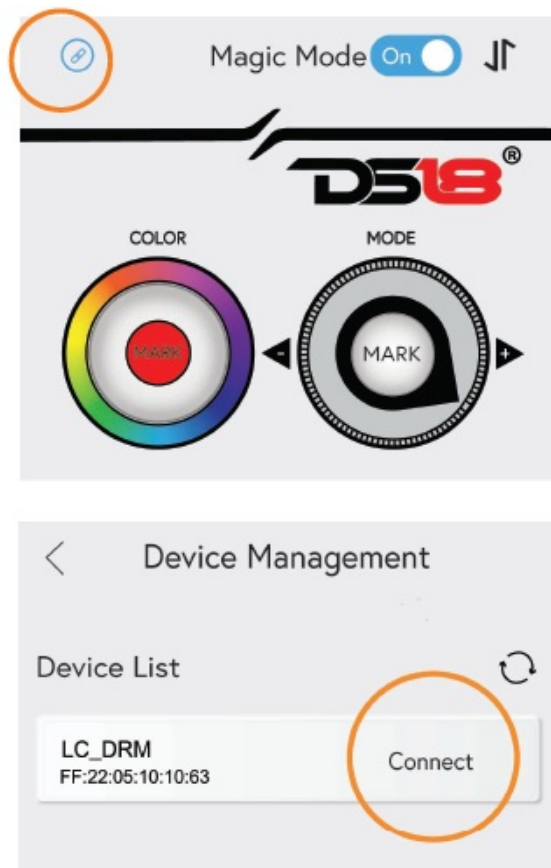
Bluetooth® Connection. Just use the APP to connect to the Bluetooth® of the phone.

STEP TWO:

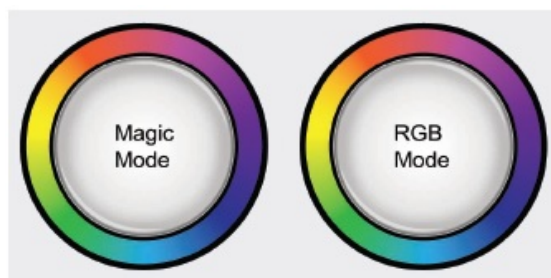- Once the controller has powered on, open the APP (DS18 LC) on your phone.

STEP THREE:

- Make sure you have the correct module on the "DEVICE LIST," then click on "CONNECT."

STEP FOUR:

- It will auto-select "RGB MODE" or "MAGIC MODE" interface by detecting the types of lights connected.
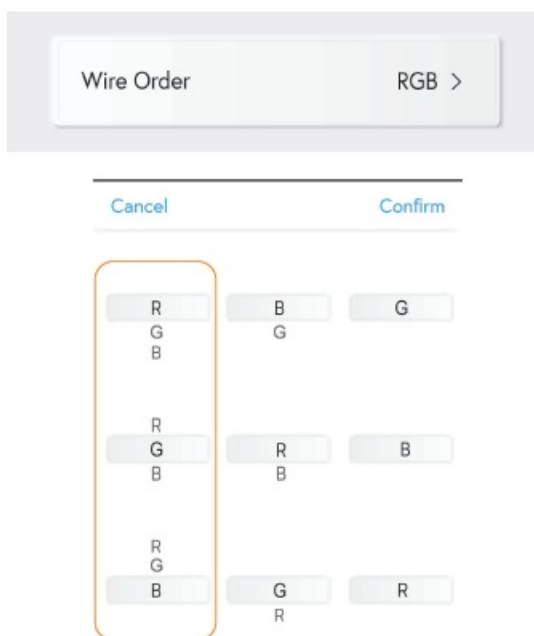- If both modes (RGB & MAGIC) are needed you must select them manually.

STEP FIVE:

- Select "STATIC" mode and click on "RED." If the color on the LED strip is red, go to Step Six. If it is not, please

continue with the "WIRE ORDER" section.

Click "Wire Order"

- Select R on the first RGB roll, then click "CONFIRM." If the LED strip color is red, go to step six. If the color does not change, adjust the RGB roll from R to G or B until the LED strip is red. Then you can move on to step six.

STEP SIX:

- Following Step Five, click on "GREEN." If the LED strip color is green, the Wire Order Setting section is complete. If it is not, please go back to the "WIRE ORDER" section and follow the steps in that section.
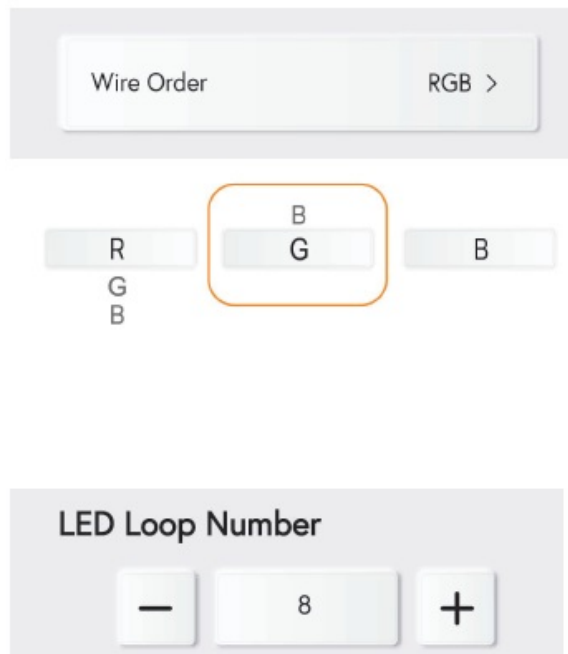
Click "Wire Order"

- Select the B on the middle BG roll until the color on the LED strip is green. Then click "CONFIRM" and the
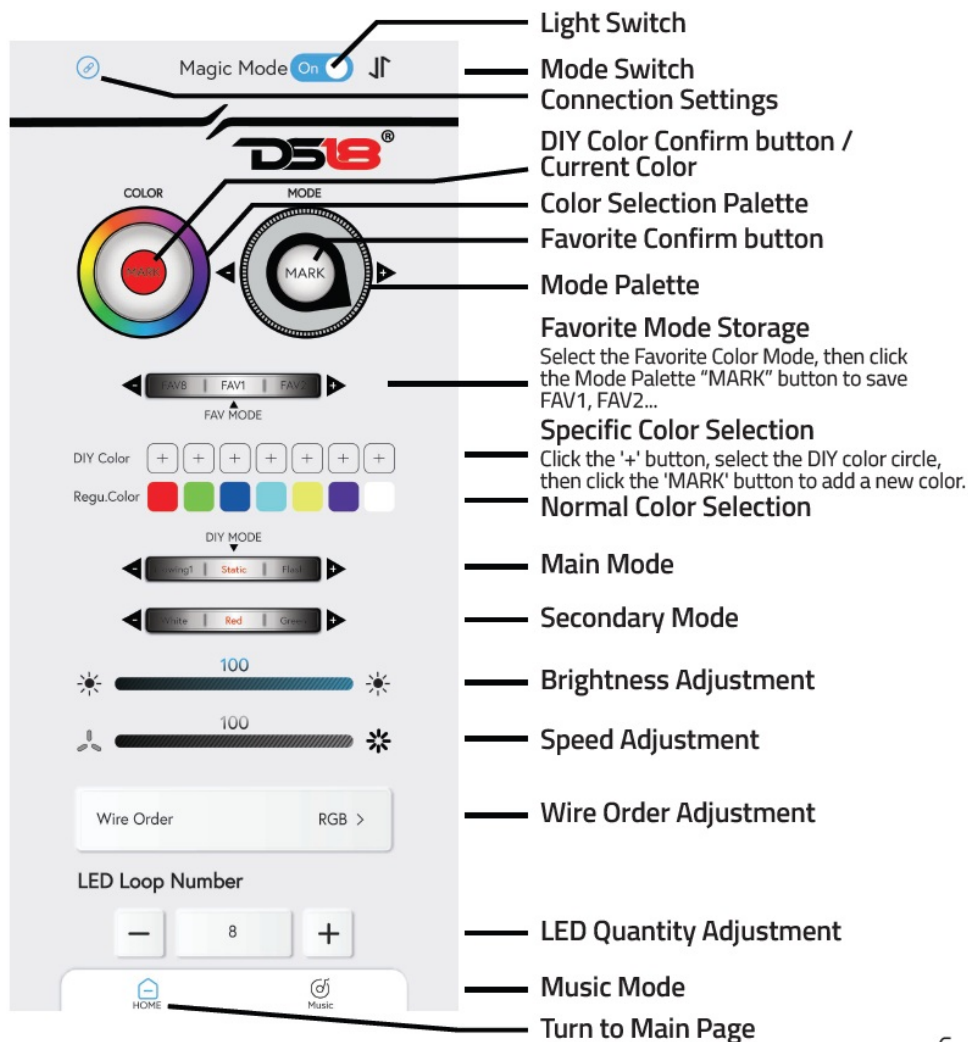
setting section is complete.

STEP SEVEN:

- You can adjust the number of LED lights to achieve the best display effect here. Use the maximum number of LEDs on a single piece for this. This cycle of repeated lighting can have up to 1280 LED lights.
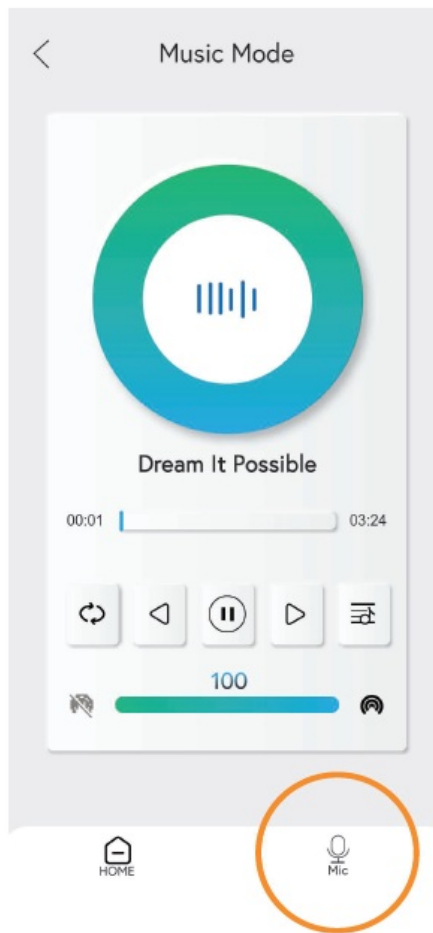
Wire Order   RGB >

R   G   B
G
B

LED Loop Number

—   8   +

MAGIC MODE SETTINGS:

Light Switch

Mode Switch

Connection Settings

DIY Color Confirm button / Current Color

Color Selection Palette

Favorite Confirm button

Mode Palette

Favorite Mode Storage
Select the Favorite Color Mode, then click the Mode Palette "MARK" button to save FAV1, FAV2...

Specific Color Selection
Click the '+' button, select the DIY color circle, then click the 'MARK' button to add a new color.

Normal Color Selection

Main Mode

Secondary Mode

Brightness Adjustment

Speed Adjustment

Wire Order Adjustment

LED Quantity Adjustment

Music Mode

Turn to Main Page

6

Comments:

- **Under Rainbow** / **Fade mode:** The color is fixed. Under other modes, the color can be changeable.
- **Under Music Mode:** The color changes per music rhythm.
- **Under Mic Mode:** The color changes per voices received by the microphone.

In this mode, you can control your downloaded music library and add a lighting effect.
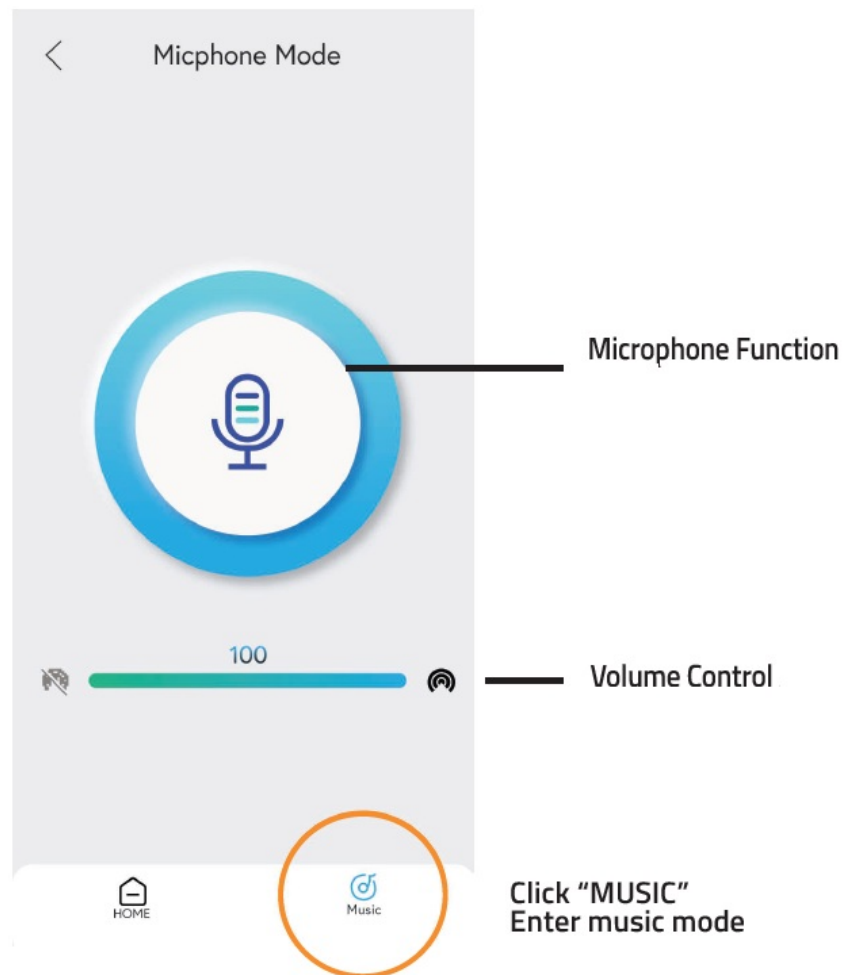
Loop, Back, Play/Pause, Forward and Music Libary List.

Volume Control

Click "MIC"
Enter MIC mode /

LC-DRM

- In this mode, you can add a lighting effect to the music played live from your vehicle.

Microphone Function

Volume Control

Click "MUSIC"
Enter music mode

SPECIFICATIONS

- **Voltage Operation** 10~15 DC Volts
- **Fuse Size** 20A (Built-In)
- **Water Resistant Rating** IP66
- **Buttons** / **Controls** APP Controlled
- **Body Material** / **Color** / **Finish** PC / Black / PC / Negro
- **Short Circuit Protection** Yes (>25A)
- **Max Output Power** (Total) 180W
- **Max Output Current** (Total)15A
- **Number of Channels** (Colors) 1 (Digital)

DIGITAL LED SPECIFICATIONS

- **Chip Model Compatible** SM16703 / WS2811
- **Number of Channels** Up to 8 (Parallel)
- **Number of Pixels** 128
- **Length of Pixels** 1280
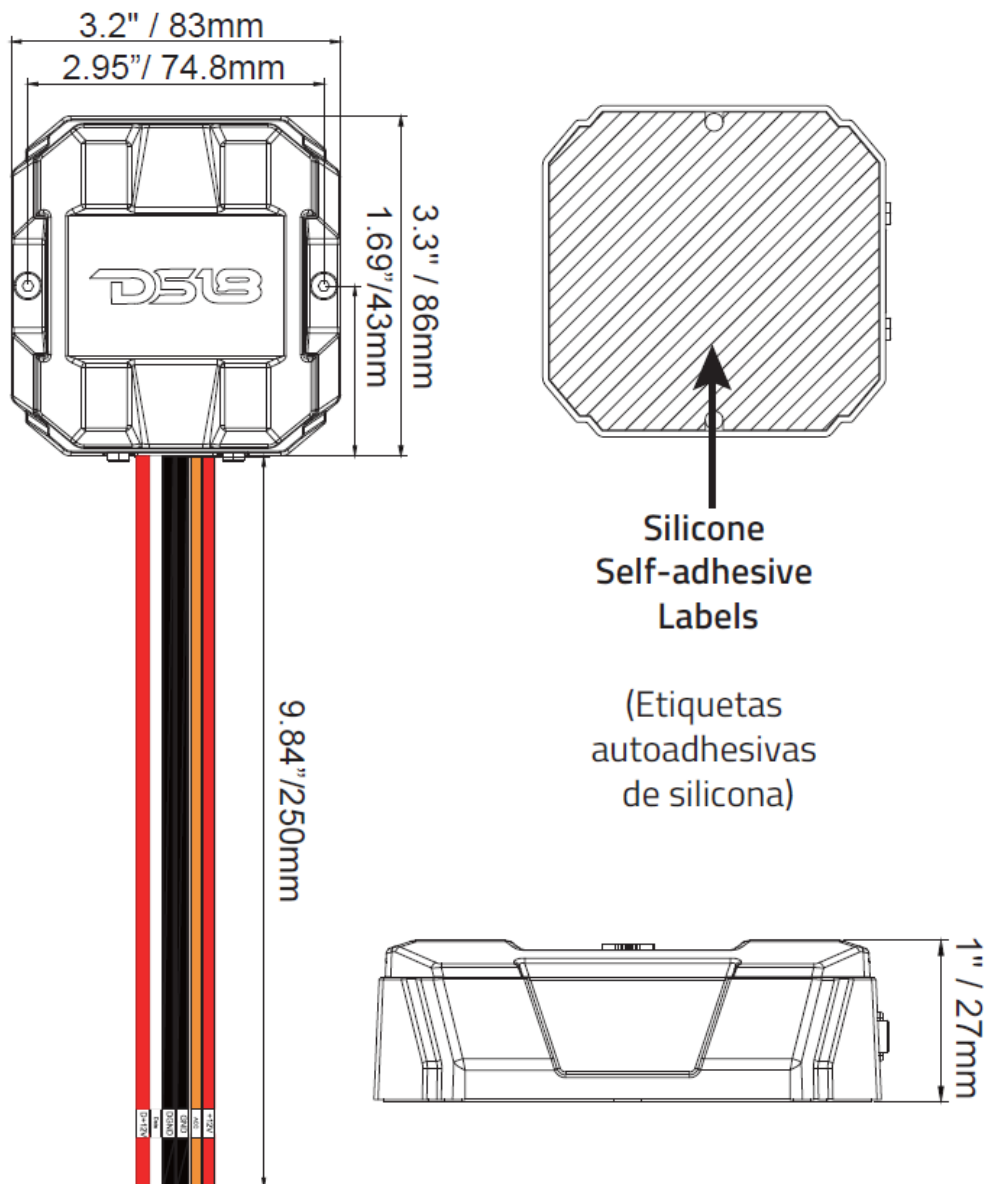- **Data Protocol Unipolar** RZ (Return to Zero)

BT SPECIFICATIONS

- **Version** 5.4
- **Services** BLE 2Mbps
- **Bluetooth® Name** DS18 LC-DRM
- **Range** >100ft / >30m
- **Supported Devices** iOS / ANDROID

MEASUREMENTS

- **Overall Length** 3.3″ / 86mm
- **Overall Width** 3.2″ / 83mm
- **Overall Height** 1″ / 27mm
- **Input Wires Length / Size** 9.8″ / 250mm (12/16 AWG)
- **Output Wires Length/ Size** 9.8″ / 250mm (12/16 AWG)

MEASUREMENTS

3.2" / 83mm
2.95"/ 74.8mm
3.3" / 86mm
1.69"/43mm
9.84"/250mm

Silicone
Self-adhesive
Labels

(Etiquetas
autoadhesivas
de silicona)

1" / 27mm

LC-DRM

FCC ID: 2AYOQ-LC-DRM

- 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, under 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 or more of the following measures:
    - Reorient or relocate the receiving antenna.
    - Increase the separation between the equipment and the receiver.
    - Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
    - Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications to this product not authorized by DS18 could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product.

WARRANTY
Please visit our website **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**

FOR MORE INFORMATION PLEASE VISIT **DS18.COM** To maintain compliance with FCC'S RF Exposure guidelines, this equipment should be installed and operated with a minimum distance between 20cm of the radiator and our body: Use only the supplied antenna.

FAQs

Q: How do I save a favorite color mode?
A: Select the Favorite Color Mode, then click the Mode Palette MARK button to save it as FAV1, FAV2, etc.

Q: How can I add a new color in DIY mode?
A: Click the '+' button, select the DIY color circle, then click the 'MARK' button to add a new color.

Q: What is the warranty information for the product?
A: Warranty details can be found on DS18.COM. For more specific inquiries, refer to the warranty policy provided with the product.

Documents / Resources

DS18 LC-DRM Digital LED Lighting Bluetooth Controller [pdf] Owner's Manual
LC-DRM Digital LED Lighting Bluetooth Controller, LC-DRM, Digital LED Lighting Bluetooth Controller, Lighting Bluetooth Controller, Bluetooth Controller, Controller

References

- **Official DS18 Pro Audio Store - Speakers, Subwoofers, Amps & More!**
- **User Manual**