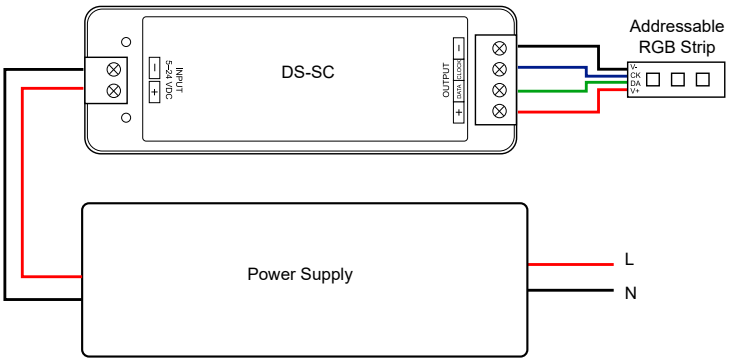
superbrightleds.com

User Manual

DS-SC (with DS-RT09)

Important: Read all instructions prior to installation.

Addressable RGB LED Controller and Remote



Battery Type	CR2032

⚠WARNING

- **INGESTION HAZARD**: This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

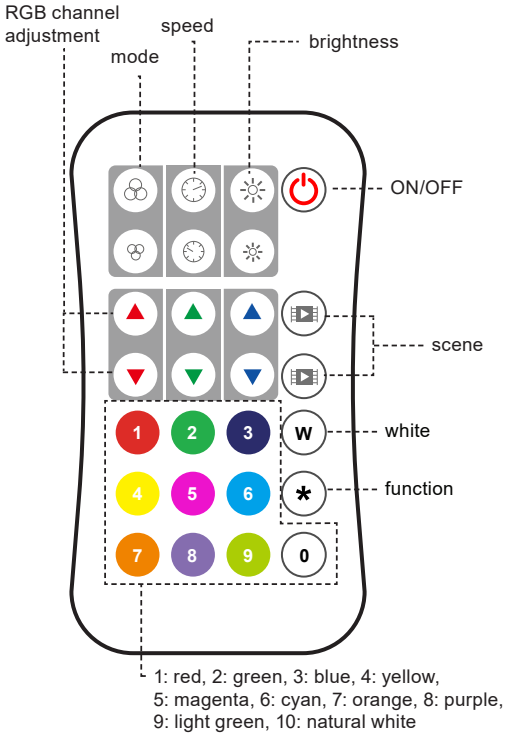
Safety and Notes

- Product should be installed and serviced in accordance with applicable national, state, and local building and electrical codes.
- To reduce the risk of electric shock, ensure that the main power source and circuit breakers are switched off before performing any installation or wiring procedures.

Battery Safety

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

Remote Layout and Functions



Mode
Once setup is complete (see page 2) press to cycle between preprogrammed modes. Hold the upper mode (mode plus) button for two seconds to run the mode cycle demo setting.
Hold the lower mode (mode minus) button for two seconds to return to and run mode 1.

Speed
Press to adjust the speed of the selected prepro-grammed mode. Hold the upper speed (speed plus) button for two seconds to select the fastest speed. Hold the lower speed (speed minus) button for two seconds to select the slowestspeed.

Brightness
Press to adjust brightness in ten percent increments. Hold for continuous 256 level adjustment.

RGB
Press to adjust in ten percent increments. Hold for continuous 256 level adjustment.

White
Press to turn white (RGB mix) on/off. Hold for contin-uous 256 level adjustment.

Scene
Each scene button can save one setting. Setting is saved by holding scene button for two seconds. Press the scene button after saving settings to recall those settings.

Pairing Remote(s)

REMOTE(S) MUST BE PAIRED AS PART OF THE INSTALLATION PROCESS AND DO NOT COME PRE-PAIRED. EACH CONTROLLER CAN BE PAIRED TO UP TO TEN (10) REMOTES.

To pair a remote, press match button on the controller, then immediately press on/off button on the remote. Indicator light on controller will flash slowly while attempting to pair, then five times rapidly to indicate successful pairing. To unpair a remote, hold match button for five seconds. Indicator light on controller will flash five times rapidly to indicate successful unpairing.

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Setting Adjustment

Strip Length (Pixel Number) Setting

Strip length, or pixel number, can be set up to 1,024 pixels. Begin by pressing the function button (*), then entering the number of pixels with the number buttons, then pressing the function (*) button again.

Note: Numbers lower than 100 will need a zero (0) entered in before the number.

RGB Order

RGB order can be set by pressing the function button (*), then entering the one-digit code corresponding with the correct RGB order using with the number pad, then pressing the function (*) button again.

Code	RGB Order
1	RGB
2	RBG
3	GRB
4	GBR
5	BRG
6	BGR

IC Type Setting

IC type can be set by pressing the function button (*), then entering the two-digit code corresponding with the correct IC type using with the number pad, then pressing the function (*) button again. Consult the list below for the code for each IC type.

Code	IC Type
11	TM1803
12	TM1809, TM1804, TM1812, UCS1903, UCS1909, UCS1912, UCS2903, UCS2909, UCS2912, WS2811, WS2812
13	TM1829
14	TLS3001, TLS3002
15	GW6205
16	MBI6120
17	TM1814B(RGBW)
18	SK6812(RGBW)
19	UCS8904B(RGBW)
21	LPD6803, LPD1101, D705, UCS6909, UCS6912
22	LPD8803, LPD8806
23	WS2801, WS2803
24	P9813
25	SK9822
31	TM1914A

Preprogrammed Modes

Once remote is paired, hold the upper mode (mode plus) button for 2 seconds to unlock preprogrammed modes which can then be cycled through using the mode buttons on the remote.

No.	Name	No.	Name	No.	Name
1	Red Race White Ground	12	Blue White Chase	23	Purple Float
2	Green Race White Ground	13	Green Cyan Chase	24	RGBW Float
3	Blue Race White Ground	14	RGB Chase	25	Red Yellow Float
4	Yellow Race Blue Ground	15	7-color Chase	26	Green Cyan Float
5	Cyan Race Blue Ground	16	Blue Meteor	27	Blue Purple Float
6	Purple Race Blue Ground	17	Purple Meteor	28	Blue White Float
7	7 Color Multi Race	18	White Meteor	29	6 Color Float
8	7 Color Race Close + Open	19	7 Color Meteor	30	6 Color Smooth Sectionally
9	7 Color Multi Race Close + Open	20	Red Float	31	7 Color Jump Sectionally
10	7 Color Scan Close + Open	21	Green Float	32	7 Color Strobe Sectionally
11	7 Color Multi Scan Close + Open	22	Blue Float		