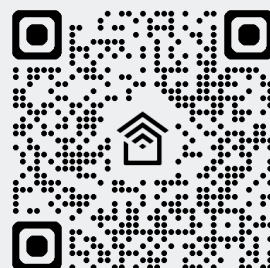




Leona® Digital Remote

Product Data Sheet





Leona® Digital Remote

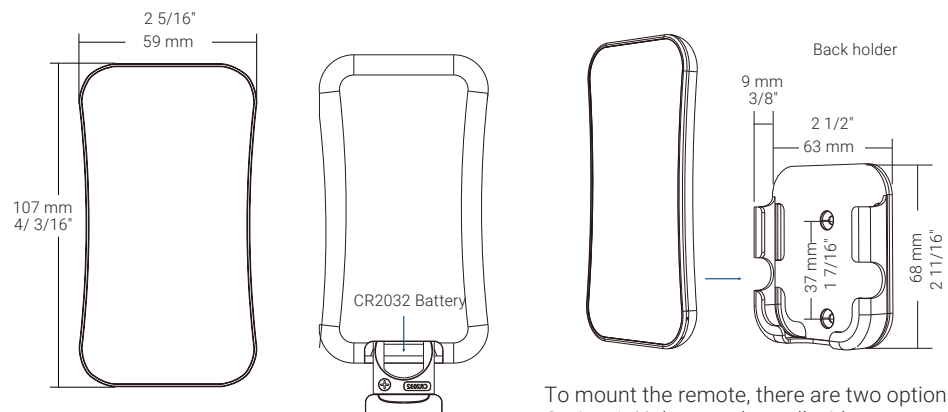
Product Data Sheet



Features

- Use in conjunction with our Leona® RGB/RGBW Digital Controller.
- Pair one or more controllers.
- Powered by a CR2032 battery (not included).
- LED indicator light.
- Wall holster that can be mounted with screws or 3M adhesive pad (included).

Mechanical Drawing



To mount the remote, there are two options:
 Option 1: Holster to the wall with screws.
 Option 2: Adhere the remote holster to the wall with the 3M adhesive pad.

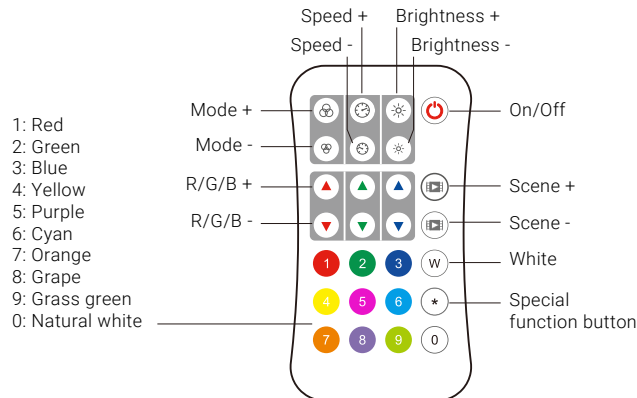
Operation Safety

- Read all instructions carefully before beginning the installation.
- When inserting the battery, pay close attention to positive and negative polarity. If you are not going to be operating the remote for an extended period of time, please remove batteries.
- Please keep out of reach from children.
- Ensure that your remote is within 30 meters of the controller for optimal results.
- If there is no response from the controller, please re-pair the remote.
- Handle carefully and avoid dropping on hard surfaces.
- For indoor and dry location use only.

Specifications

Output Signal	Working Voltage	Working Current	Standby Current	Battery Standby Time	Control Distance	Operating Temperature	IP Rating	Warranty
2.4 GHz RF	3V DC (1xCR2032)	<5mA	<2uA	1 Year	98 ft (30M) without obstacles	-22°F to 131°F (-30°C to 65°C)	IP20	5 Years

Remote Key Functions



Mode +/-: Press Mode+ or Mode- buttons to switch between the pre-programmed dynamic modes. Hold Mode+ button for 2 seconds to run the cycle mode or hold Mode- button for 2 seconds to run the first mode.

The remote has 32 dynamic modes as default. To activate all 40 dynamic modes, please press the Mode+ button for 2 seconds.

#	Dynamic Mode	#	Dynamic Mode
1	Red horse race white ground, forward	21	Green float, forward
2	Green horse race white ground, forward	22	Blue float, forward
3	Blue horse race white ground, forward	23	Purple float, forward
4	Yellow horse race blue ground, forward	24	RGBW float, forward
5	Cyan horse race blue ground, forward	25	Red yellow float, forward
6	Purple horse race blue ground, forward	26	Green cyan float, forward
7	7 color multi horse race, forward	27	Blue purple float, forward
8	7 color horse race close + open	28	Blue white float, forward
9	7 color multi horse race close + open	29	6 color float, forward
10	7 color scan close + open	30	6 color smooth sectionally, forward
11	7 color multi-scan close + open	31	7 color jump sectionally, forward
12	Blue white chase, forward	32	7 color strobe sectionally, forward
13	Green cyan chase, forward	33	White horse race (RGB jump)
14	RGB chase, forward	34	White smooth horse race (RGB smooth)
15	7 color chase, forward	35	White starlight (RGB random jump)
16	Blue meteor, reverse	36	White smooth starlight (RGB random smooth)
17	Purple meteor, reverse	37	White flow, forward
18	White meteor, reverse	38	White flow, forward on + reverse off
19	7 color meteor, reverse	39	White flow, forward on + reverse on
20	Red float, forward	40	White float

Speed +/-: Press the Speed+ and Speed- buttons to control the speed. There are 10 different speed levels available. Hold the Speed+ button for 2 seconds to select the fastest setting or hold the Speed- button for the slowest setting.

Bright +/-: Press the Bright+ or Bright- buttons to control the brightness. There are 10 different brightness levels. Hold the Bright+ or Bright- buttons for 1-6 seconds for 256 step logarithmic dimming.

R/G/B +/-: Press the R/G/B buttons to adjust the brightness of each color respectively. For each color, there are 10 different brightness levels. Hold the R/G/B buttons for 1-6 seconds for 256 step logarithmic dimming to achieve millions of colors.

White: Press the W button to adjust the white color.

- For RGB light, press the W button to turn on/off the white (it will be an RGB mix) or hold the W button for 1-6 seconds to adjust the saturation continuously.

- For RGBW light, press the W button to turn on/off the white channel. Hold the W button to adjust the white channel brightness.

Scene: Press the Scene buttons to recall a scene. Hold the Scene button for 2 seconds to save the current color into the scene. The LED "RUN" indicator will light up for a few seconds once the scene is saved.

Connect to a Leona® Digital Controller (sold separately)

Follow the instructions in the Leona® Digital Controller User Guide to set up the controller with the specific type of strip light you will use with your remote.

- Short press the “MATCH” button on the controller and then immediately press the on/off button on the remote. The LED “RUN” indicator will flash rapidly for a few seconds if the match is successful.
- Alternatively, you can use the power restart function built into the controller to pair remotes. Simply switch the power to the controller on and off three times in a row and then immediately press the on/off button on the remote three times in a row. The LED “RUN” indicator will flash rapidly for a few seconds if the match is successful.

To delete matched remotes from the controller, press and hold the “MATCH” button on the controller for 10 seconds.

For the first time use, please review and select all of the following settings to ensure your strip light is being properly controlled:

Note: If you are using the Leona® Smart App please refer to the instructions under “Connect to the Leona® Smart App” from the Leona® Digital Controller User Guide to adjust these settings. If you do not wish to use the Leona® Smart App, please refer to the following steps below for the physical remote.

1.

Set the strip light length: Press the special function button *, then input three to four digits between 8 and 1024 corresponding to the number of pixel of your strip light, being 1024 the longest setting, then, press the special function button * again.

Example: To set the strip light length/pixel number to 32, press *032*

If you are using our ColorBright™ RGB Digital Pixel LED Strip Light, please keep in mind that each 16 ft (5 m) reel has 50 pixels.

2.

Select the IC type: Press the special function button *, then press two digits from the following options below to select the corresponding IC type according to the IC type of your strip light, then press the special function button *.

11	TM1803
12	TM1809, TM1804, TM1812, UCS1903, UCS1909, UCS1912, SK6813, UCS2903, UCS2909, UCS2912, WS2811, WS2812, WS2813, WS2815, SM16703P
13	TM1829

14	TLS3001, TLS3002
15	GW6205
16	MBI6120
17	TM1814B (RGBW)
18	SK6812 (RGBW), WS2813 (RGBW), WS2814 (RGBW),
19	UCS8904B (RGBW)
21	LPD6803, LPD1101, D705, UCS6909, UCS6912
22	LPD8803, LPD8806
23	WS2801, WS2803
24	P9813
25	SK9822
31	TM1914A
32	GS8206, GS8208
33	UCS2904
34	SM16804
35	SM16825
36	SM16714 (RGBW)
37	UCS5603
38	UCS2603
39	SM16714D
41	UCS7604 (RGBW)
42	UCS7804 (RGBW)

If you are using our ColorBright™ RGB Digital Pixel LED Strip Light, please select *12* which corresponds to WS2811 IC.

3. **Select the RGB order or RGBW order:** Identify the strip light's RGB or RGBW order from the chart below. If using an RGB digital strip, press the special function button *, then press one digit between 1 and 6 to select the RGB order of your strip light from the options below, and then press the special function button * again. If using an RGBW digital strip, press the special function button *, then press the first digit (between 1 and 6) shown in the chart below, and then press the special function button * again. Follow this by pressing the special function button *, then press the second digit shown in the chart below (7 or 9), then press the special function button * again.

RGB order:	*1* RGB	*3* GRB	*5* BRG
	2 RBG	*4* GBR	*6* BGR
RGBW order:	*1* *7* RGBW	*3* *7* GRBW	*5* *7* BRGW
	1 *9* WRGB	*3* *9* WGRB	*5* *9* WBRG
	2 *7* RBGW	*4* *7* GBRW	*6* *7* BGRW
	2 *9* WRBG	*4* *9* WGBR	*6* *9* WBGR

If you are using our ColorBright™ RGB Digital Pixel LED Strip Light, please select *2*.

Warranty Information

This product has a 5-year limited warranty from the date of shipment. This warranty only includes the main product outlined in this specification sheet and does not include the additional accessories that are used as a reference. Complete warranty details for fixtures and additional accessories are available at: <https://www.flexfireleds.com/warranties/> within the Policies section. For warranty-related questions please contact the product support team at support@flexfireleds.com

Consumer's Acknowledgement

Flexfire LEDs, Inc. stands behind its products when they are used properly and according to our specifications. When you purchase our products, you are agreeing to the terms and conditions outlined in our warranty section. We try our best to make recommendations, but the burden of proper installation, design, and maintenance relies on the purchaser. This limited warranty does not include product failures that are the result of: Not using a voltage-regulated power supply to connect the LED product or controls; Connecting LED products to the wrong output voltage; Improper connection of power supplies, LED products, or controls; Connecting LED products or controls directly to any AC power source if they are stated for DC only input; Connecting power supplies backwards to an AC power source; Products used in an inappropriate location or in environmental conditions (temperature, humidity, moisture, etc.) outside the normal specified range; Water damage to products not specifically sold as waterproof products; Electrical power surges and spikes; Damage from hail, flooding, tornado, fire, wind, earthquake, lightning, electrical storm, or any other natural disasters or "force majeure" incidences; Damage caused by a vehicle or other accident; Damage caused when transporting the item; Damage to any products that were modified by the user, used for purposes other than as intended or directed, or connected to LED systems or components not purchased from Flexfire LEDs; Products that have been subjected to misuse, mishandling, misapplication or accident. Products used in connection with any components, devices or systems other than those explicitly approved as compatible with Company's products and listed on Company's website. Excessive wear and tear and/or physical or accidental abuse, loss, or theft. Improper repairs or warranty services performed by someone other than Flexfire LEDs will void this warranty.

