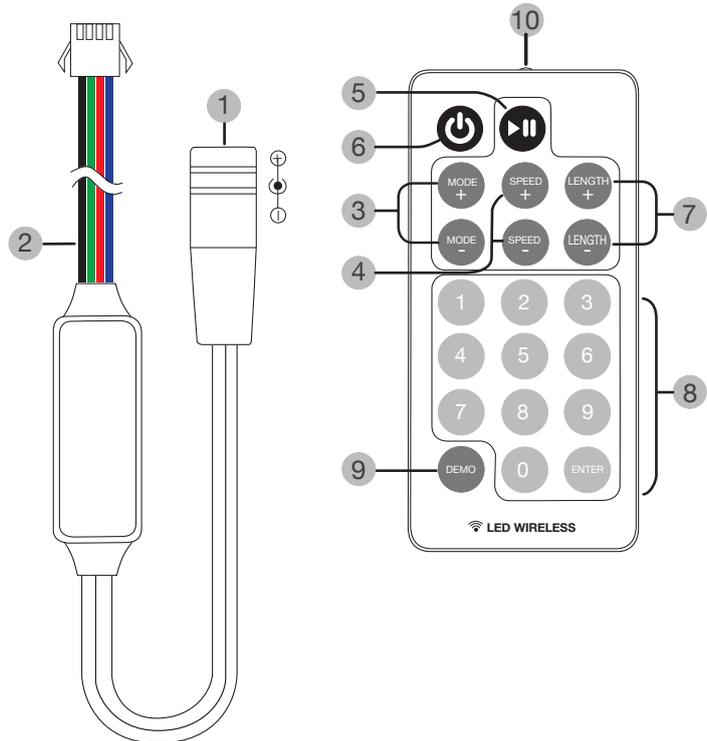


Installation Instructions

1. **POWER INPUT.** The power supply input, and sleeve is negative. Also please make sure the power supply voltage is same as the LED load.
2. **SIGNAL OUTPUT.** The control signal output connector to LED load.
3. **MODE ADJUSTMENT.** Adjust running mode. Jump to next mode by press 'MODE+' or jump to previous mode by pressing 'MODE-'.
4. **SPEED (BRIGHTNESS) ADJUSTMENT.** Adjust the running speed of dynamic mode or brightness of static colour. There are 10 levels for both speed and brightness.
5. **PAUSE / PLAY.** Toggle between Play and Pause mode. It will quit pause and start to play if changing the running mode.
6. **TURN ON / STANDBY.** Turn on or switch to standby mode. The main unit will memorise the current setting. When power on or turn on unit, it will automatically restore to previous status.
7. **UNIT LENGTH (STATIC COLOUR) ADJUSTMENT.** Adjust playing unit length at dynamic modes or adjust colour at static colour mode. At static colour mode, press these keys to loop change 20 colours.
8. **PROGRAM DIRECT SELECTING KEYS.** User can directly select program by the number and Enter key in this area. For example, if you want program number 58, please press number 5 and 8, then press Enter key to confirm. The program '0' is static colour mode. At this mode, user and adjust brightness or colour by SPEED and LENGTH keys.
9. **DEMO MODE.** Switch to demo mode. In demo mode, the controller will automatically cycle play 99 dynamic programs.
10. **REMOTE CONTROLLER INDICATOR.** This blue indicator will light up when remote controller works. In program direct selecting operation, this indicator will flash slowly until Enter key pressed or no operation for a certain time. Hints: The remote controller works at radio frequency, the signal can pass through barrier, so it's not necessary to aim at the controller when operate the remote.



Declaration of Conformity

We Sunpower Group Holdings Ltd. of Orion House, Calleva Park, Aldermaston, Berkshire, RG7 8SN, UK. declare under our responsibility that our product RGBD-99C-RS is here with confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive (2014/30/EU).

Wednesday 8th June 2016.

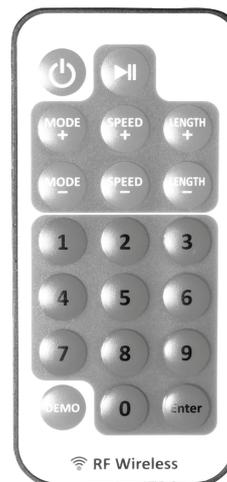


Mark Ellis
Quality Manager



Registered in England: No. 9436662
Registered Office: Orion House, Calleva Park, Aldermaston, Berkshire, RG7 8SN

RGBD-99C-RS



www.powerled.uk.com

Programs

0	Static Colour	50	Blue-white-blue reverse
1	Full colour forward flow	51	Blue-white-blue open
2	Full colour reverse flow	52	Blue-white-blue close
3	Full colour open	53	Red-white-red forward
4	Full colour close	54	Red-white-red reverse
5	6-colour forward comet	55	Red-white-red open
6	6-colour reverse comet	56	Red-white-red close
7	6-colour comet open	57	Green-white-green
8	6-colour comet close	58	Green-white-green
9	3-colour forward comet	59	Green-white-green open
10	3-colour everse comet	60	Green-white-green close
11	3-colour comet open	61	Green sway
12	3-colour comet close	62	Green sway with
13	Green sandglass	63	Red sway
14	Red sandglass	64	Red sway with grounding
15	Blue sandglass	65	Blue sway
16	3-colour sandglass	66	Blue sway with
17	6-colour forward flow	67	Yellow sway
18	6-colour reverse flow	68	Yellow sway with
19	6-colour open	69	Purple sway
20	6-colour close	70	Purple sway with
21	3-colour forward	71	Cyan sway
22	3-colour reverse	72	Cyan sway with
23	3-colour open	73	3-colour sway
24	3-colour close	74	3-colour sway with
25	Red-purple-red forward	75	6-colour sway
26	Red-purple-red reverse	76	6-colour sway with
27	Red-purple-red open	77	Blue ground white ping
28	Red-purple-red close	78	Green ping-pong
29	Red-yellow-red forward	79	Red ping-pong
30	Red-yellow-red reverse	80	Red ping-pong
31	Red-yellow-red open	81	Red ping-pong with
32	Red-yellow-red close	82	Blue ping-pong
33	Green-yellow-green	83	Blue ping-pong with
34	Green-yellow-green	84	3-colour ping-pong with
35	Green-yellow-green open	85	6-colour ping-pong with
36	Green-yellow-green close	86	Green drop
37	Green-cyan-green forward	87	Green drop with ground
38	Green-cyan-green-reverse	88	Red drop
39	Green-cyan-green open	89	Red drop with ground
40	Green-cyan-green close	90	Blue drop
41	Blue-purple-blue forward	91	Blue drop with ground
42	Blue-purple-blue reverse	92	Blue ground white drop
43	Blue-purple-blue open	93	Red ground white drop
44	Blue-purple-blue close	94	Green ground white drop
45	Blue-cyan-blue forward	95	3-colour drop
46	Blue-cyan-blue reverse	96	6-colour drop
47	Blue-cyan-blue open	97	3-colour sway
48	Blue-cyan-blue close	98	6-colour sway
49	Blue-white-blue forward	99	6-colour jump

Installing

1. Power Supply

The power supply jack is a 5.5mm diameter DC socket. The main unit can work at DC 5V to 24V. Since the power supply is directly connected to the LED signal output, please make sure the power voltage is same as the LED load, otherwise the incorrect voltage may damage LED load! When LED load is powered individually, the main unit can also work with the LED load power, and the power supply to this DC jack can be saved.

2. Output Signal

The output signal is in a SM type plug. The cable at the 'Δ' maker side is power supply, the cable sequence is power-data-clock-ground. The signals are running at high speed, led may not work properly if the data cable is too long. In This case, please shorten the data cable from controller to LED or install the controller closer to LED.

3. Cascading strip installation

This controller is capable of operating up to 50M of the digital tape in series (10 x 5M lengths), however it is recommended that each 5M length is powered by a driver to avoid a potential voltage drop and loss of colour.

Remote Pairing

The controller and remote is 1 to 1 paired as default. The controller only can be controlled by paired remote. When extra remote is needed or the controller need to be matched to any remote, user can match the remote by following combination operation.

1. Pairing a new remote; Do following operation to pair a new remote: 1. Plug off the controller power and plug in again after 10 seconds. 2. Press 'MODE-' and 'LENGTH-' key at same time in 5 seconds after power on, then release keys and press 'MODE+' key in another 5 seconds. The controller can be paired to maximum 5 remotes.

2. Pairing to any remote; Do following operation to accept all same remote: 1. Plug off the controller power and plug in again after 10 seconds. 2. Press 'MODE-' and 'LENGTH-' key at same time in 5 seconds after power on, then release keys and press 'DEMO' key in another 5 seconds.

Specification

Dynamic Program	99 programs
Dynamic Speed	10 levels
Remote Frequency	433.92MHz
Remote Distance	>15 meters at open area
Dynamic Length	16-500
Demo Mode	Yes
Static Colour	20 colours
Static Brightness	10 levels
Control mode	RF wireless remote
Working Voltage	DC 5-24V
Driving Capacity	800 pixels