

3-Key RGBW LED Controller

Features

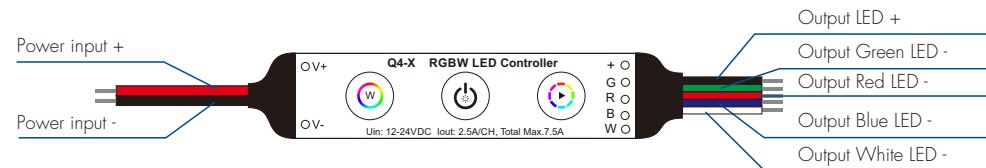
- 4 channel constant voltage RGBW LED mini controller.
- 2.5A per channel, output connect with 5 meters RGBW LED strip.
- 3 Keys operation with on/off, dimming and color adjustment.
- Smooth dimming, no flicker.
- Reverse polarity/Overheat protection.

CE RoHS

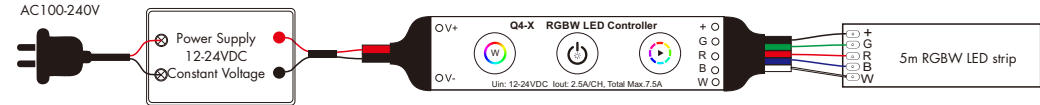
Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Dimming gray scale	256 levels	EMC standard	EN IEC 55015 EN IEC 61547
Output voltage	12-24VDC	Dimming range	0% - 100%	Safety standard	EN 61347-1/2 EN 62493
Output current	4CH, 2.5A/CH, Total Max. 7.5A	Dimming curve	Linear	Certification	CE RoHS
Output type	Constant voltage	PWM Frequency	2000Hz	Environment	
Warranty and Protection		Package		Operation temperature Ta: -20℃ ~ +55℃	
Warranty	5 years	Size	90x130mm(LxH)	Case temperature Tc: +73℃ (Max.) (Tested with output current of 5A)	
Protection	Reverse polarity Overheat	Gross weight	0.018kg	IP rating	
				IP20	

Mechanical Structures and Installations



Wiring Diagram



Key Function

: Short press to turn on or off light, long press for 1-6s to adjust brightness continuously.

: Short press to switch RGB color light or white light.
In RGB color light state, long press to switch 24 static RGB colors.
In white light state, long press 1-6 seconds to adjust white light brightness continuously.

: Short press to change 10 dynamic mode, long press 2s to adjust speed, 10 levels.

Press and hold and for 2s, the output LED flashes 3 times to switch between 0.5s and 3s on/off fade times.

RGB static color table:

No.	R	G	B	W	Color name	Color card	No.	R	G	B	W	Color name	Color card
1	255	0	0	0	Red		13	0	255	255	0	Cyan	
2	255	64	0	0	Orange red		14	0	192	255	0	Blue green	
3	255	128	0	0	Dark orange		15	0	128	255	0	Light blue	
4	255	192	0	0	Orange		16	0	64	255	0	Dark blue	
5	255	255	0	0	Yellow		17	0	0	255	0	Blue	
6	192	255	0	0	Wine green		18	64	0	255	0	Purple blue	
7	128	255	0	0	Yellow green		19	128	0	255	0	Purple	
8	64	255	0	0	Grass green		20	192	0	255	0	Neon purple	
9	0	255	0	0	Green		21	255	0	255	0	Magenta	
10	0	255	64	0	Spring green		22	255	0	192	0	Deep pink	
11	0	255	128	0	Med spring green		23	255	0	128	0	Purple red	
12	0	255	192	0	Cyan green		24	255	0	64	0	Bright red	

Dynamic mode list:

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out