

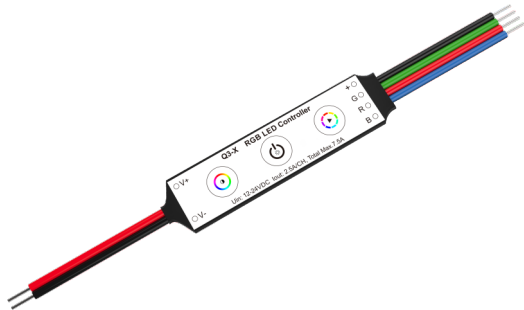
Q3-X

3-Keys RGB LED Controller

RGB

Features

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

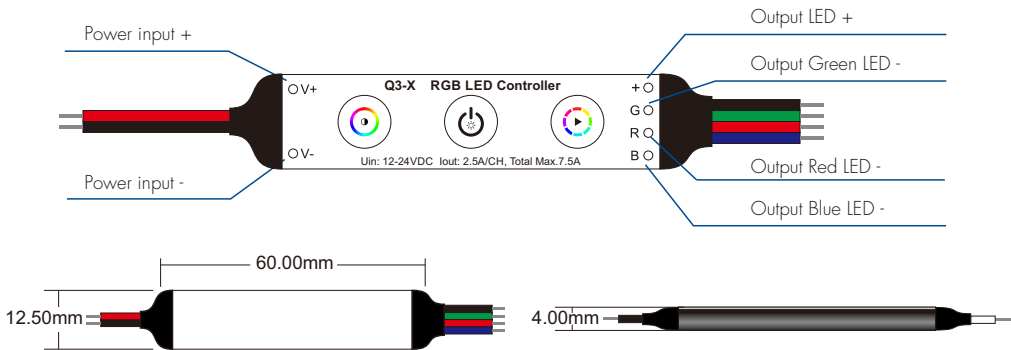


CE RoHS

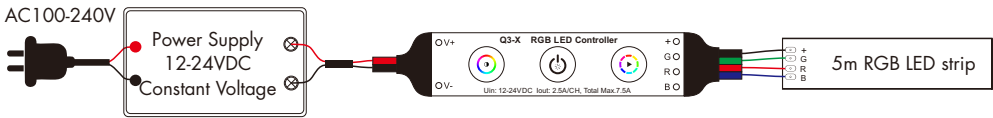
Technical Parameters

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	2.5A/CH, Total Max. 7.5A	Dimming curve	Linear	Certification	CE RoHS
Output type	Constant voltage	PWM Frequency	2000Hz		
Warranty and Protection		Environment		Package	
Warranty	5 years	Operation temperature	Ta: -20 °C ~ +50 °C	Size	90x130mm(LxH)
Protection	Reverse polarity Over heat	Case temperature (Max.)	Tc: +80 °C	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 change 24 static RGB color, long press for 1-6s to adjust color saturation continuously.
-  : Short press to change 10 dynamic mode, long press 2s to adjust speed, 10 levels.

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	

RGB 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