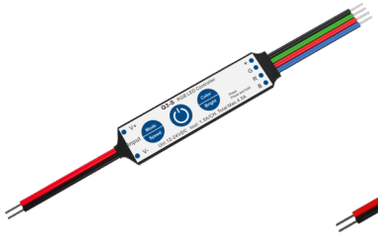
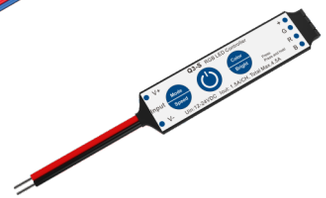
Q3-S,Q3-S(CJ),Q3-S(DJ)

RGB

3-Key RGB LED Mini Controller without remote function



Q3-S
Cable In /Cable Out Version



Q3-S(CJ)
Cable In /4P Female Jack Out Version



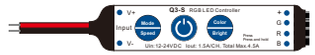
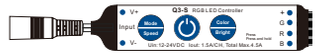
Q3-S(DJ)
DC Female Jack In /4P Female Jack Out Version

CE RoHS

Features

- 3 channel constant voltage RGB LED mini controller.
- 3 key operation with on/off, mode and color adjustment.
- 1.5A per channel, output connect with 5 meters RGB LED strip.
- 256 levels 0-100% dimming smoothly without any flash.
- Built in 10 dynamic mode, include jump or gradual change style.

Model List

Model	Photo	Power Connector	LED Connector
Q3-S		Red/Black Cable 10cm	4-color Flat Cable 10cm
Q3-S(CJ)		Red/Black Cable 10cm	4-pin Flat Female Jack
Q3-S(DJ)		5.5mm DC Female Jack	4-pin Flat Female Jack

Technical Parameters

Input and Output	
Input voltage	12-24VDC
Output voltage	12-24VDC
Output current	1.5A/CH, Total Max. 4.5A
Output type	Constant voltage

Warranty and Protection	
Warranty	5 years
Protection	Reverse polarity Over heat

Dimming data	
Dimming gray scale	256 levels
Dimming range	0%-100%
Dimming curve	Linear
PWM Frequency	2000Hz (default)

Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +100°C
IP rating	IP20

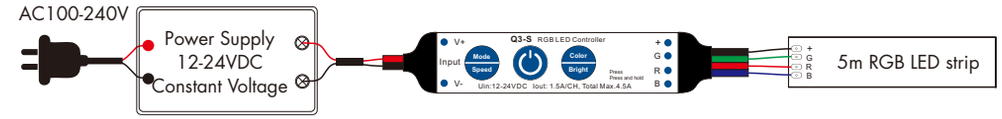
Safety and EMC	
EMC standard	EN IEC 55015 EN IEC 61547
Safety standard	EN 61347-1/2 EN 62493
Certification	CE RoHS

Package	
Size	90x130mm(LxH)
Gross weight	0.012kg

Dimension



Wiring Diagram



Key Function

Turn on or off light.

Mode / Speed: Short press change 10 dynamic mode, long press 2s adjust speed, 10 levels.

Color / Bright: Short press change 24 static RGB color, long press 1-6s for continuous 256 levels brightness adjustment.

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

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	

Dimming Curve

