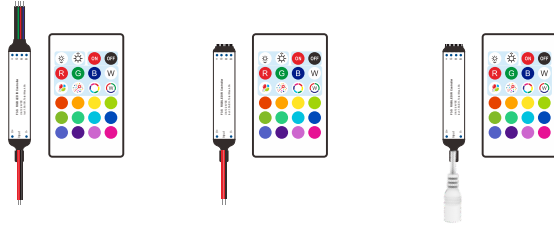


RGB LED Mini IR Controller

Model No.: F3-S Set, F3-S[CJ] Set, F3-S[DJ] Set

3 channel constant voltage/Max 4.5A output/Stepless dimming/IR remote control



F3-S Set
Cable In /Cable Out Version

F3-S[CJ] Set
Cable In /4P Female Jack Out Version

F3-S[DJ] Set
DC Female Jack In /4P Female Jack Out Version

Model List

FC CE RoHS LVD

Model	Photo	Power Connector	LED Connector
F3-S		Red/Black Cable 10cm	4-color Flat Cable 10cm
F3-S[CJ]		Red/Black Cable 10cm	4-pin Flat Female Jack
F3-S[DJ]		5.5mm DC Female Jack	4-pin Flat Female Jack

Features

- 3 channel constant voltage RGB LED mini IR controller.
- 1.5A per channel, output connect with 5 meters RGB LED strip.
- 256 levels 0-100% dimming smoothly without any flash.

Dimension



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

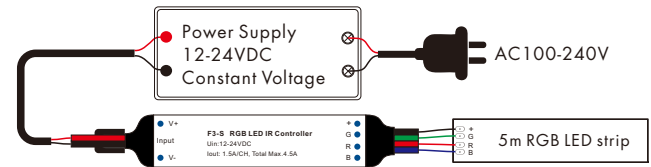
Environment	
Operation temperature	Ta: -30 °C ~ +55 °C
Case temperature (Max.)	Tc: +85 °C
IP rating	IP20

Warranty and Protection	
Warranty	5 years
Protection	Reverse polarity Over heat

Dimming data	
Input signal	IR
Control distance	5m(Barrier-free space)
Dimming gray scale	256x256x256 levels
Dimming range	0-100%
Dimming curve	Linear
PWM Frequency	750Hz (default)

Safety and EMC	
EMC standard (EMC)	EN301 489, EN 62479
Safety standard (LVD)	EN60950
Radio Equipment (RED)	EN300 328
Certification	CE, EMC, LVD

Wiring Diagram

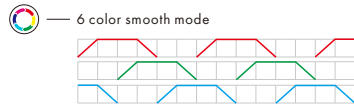
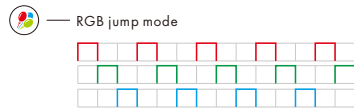


RGB remote

Key function



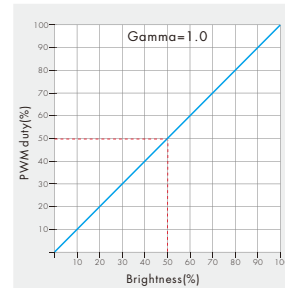
- Turn on/off all zone light.
- Static color, adjust brightness, short press 10 levels, long press 1-6s for continuous 256 levels adjustment. Dynamic mode, adjust speed, short press 10 levels, long press 2s get the fastest or slowest speed.
- Short press get red, green or blue color directly, long press 1-6s adjust R/G/B brightness continuously to achieve millions of colors.
- Get white color(RGB mix) directly.



— For static RGB light, adjust saturation, short press 5 levels, long press 1-6s for continuous 256 levels adjustment, namely change current static RGB color to mixed white slowly.



Dimming curve



Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Wrong color	1. Wrong connection of R/G/B wires.	1. Reconnect R/G/B wires.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance.	1. Replace battery. 2. Reduce remote distance.