

# 4 Channel Constant Voltage LED Waterproof RF Controller

### SKU: 6380

IP67 waterproof/4 Channels/Step-less dimming/Wireless remote control/Auto-transmitting/Synchronize



FC € CE RoHS EMC LVD RED

### **Features**

- Waterproof 4 channel constant voltage LED RF controller with IP67 rating, suitable for outdoor and damp environment.
- Match with RF 2.4G single zone or multiple zone single color, dual color and RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- When using with RGB/RGBW light, built in 10 dynamic mode, include jump or gradual change style.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.
- Fade in and out effect selectable.

### Technical Parameters

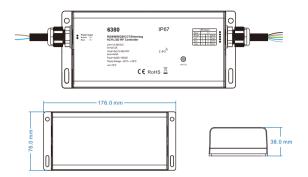
Input and Output		
Input voltage	12-36VDC	
Input current	20.5A	
Output voltage	4 x (12-36)VDC	
Output current	4CH,5A/CH	
Output power	4 x (60-180)W	
Output type	Constant voltage	

Dimming data	
Input signal	RF 2.4GHz
Control distance	30m(Barrier-free space)
Dimming gray scale	4096 (2^12) levels
Dimming range	O-100%
Dimming curve	Logarithmic
PWM Frequency	1000Hz (default)

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED

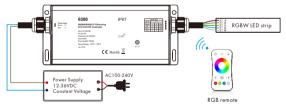
Environment		
Operation temperature	Ta: -30°C ~ +55°C	
Case temperature (Max.)	Tc: +85°C	
IP rating	IP67	
Warranty and Protection		
Warranty and Protec	ction	
Warranty and Protect Warranty	3 years	

### Mechanical Structures and Installations



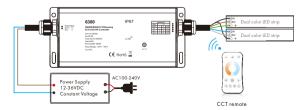
# Wiring Diagram

#### •6380 for RGB/RGBW



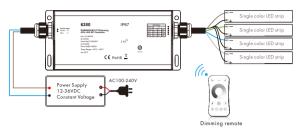
Note: If connect with RGB LED strip, please long press match key for 15s, the controller will become RGB type, the light blinks 5 times.

#### • 6380 for dual color



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#### •6380 for single color



## Match Remote Control (two match ways)

End user can choose the suitable match/delete ways. Two options are offered for selection:

### Use the controller's Match key

#### Match:

Short press match key, immediately press on/off key (single zone remote) or zone key (multiple zone remote) of the remote.

#### Delete.

Press and hold match key for 5s to delete all match, The light blinks 3 times means all matched remotes were deleted.

### Use Power Restart

#### Match.

Switch off the power, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote. The light blinks 3 times means match is successful.

#### Delete:

Switch off the power, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

# RGB/RGBW 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

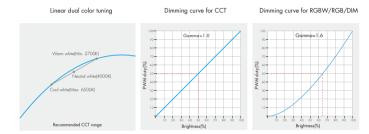
IMPORTER: Prima Group 2004 LTD, Bulgaria, 1784 Sofia, Mladost 1, bl. 144, Ground Floor; Phone: +359 2 988 45 72;

#### Dual color control

CH1, CH3=Warm white LED

Each channel can supply up to 120W(@24V) and white balance can be controlled as such:

Color temperature	Cool white	Neutral white	Warm white	
Power distribution	CH1=0W,CH2=120W	CH1=60W,CH2=60W	CH1=120W,CH2=0W	
	CH3=0W,CH4=120W	CH3=60W,CH4=60W	CH3=120W,CH4=0W	



# Fade in and Fade out Setting

Long press match key 5s, then short press match key 3 times, the lighting effect will be set to the fade in and fade out in 3s. Long press match key 10s, restore factory default parameter, the light blinks 10 times, the light on/off time restores to 0.5s.

## Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	No power.     Wrong connection or insecure.	Check the power.     Check the connection.
Wrong color	1. Wrong connection of R/G/B/W wires.	1. Reconnect R/G/B/W wires.
Uneven intensity between front and rear, with voltage drop	Output cable is too long.     Wire diameter is too small.     Overload beyond power supply capability.     Overload beyond controller capability.	Reduce cable or loop supply.     Change wider wire.     Replace higher power supply.     Add power repeater.
No response from the remote	The battery has no power.     Beyond controllable distance.     The controller did not match the remote.	Replace battery.     Reduce remote distance.     Rematch the remote.