



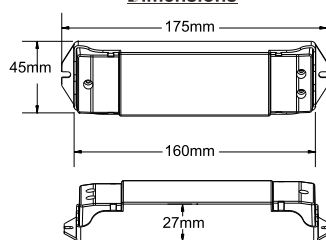
CONTROLLER SIMPLICITY 1-4

Can control single color, dual color, RGB led strip.

Technical specifications

Input voltage: 12-36Vdc
Output: PWM constant voltage
Output current: 3CH, 6A/CH (18A max)
Output power: 12Vdc / 216Watt
24Vdc / 432Watt
Dimming range: 0-100%
Remote distance: 30m
Working temperature: -30 ~55°C
IP Protection: IP20
Dimensions : L175 x W45 x H27 (mm)
Weight: 110g

Dimensions



Match key function

Short press match key on the controller, within 5s press the zone number on the remote you wish to set the controller.
One controller can be controlled by multiple remotes.
Long press (5s) delete all matched remotes, lights remain in the current state.
Long press (10s) restore controller to factory setting.

Push button function

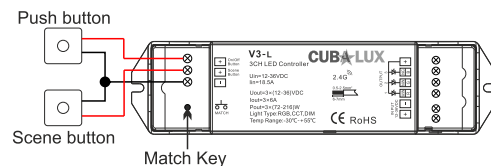
Do not use line voltage 230Vac to connect the controller with PUSH-BUTTON.
Do not mix line voltage 230Vac cables with PUSH-BUTTON connection cables to controller.

1.On/off button

- Short press: Turn on/off light.
- Long press(1-5s): When light is on , adjust brightness
- Long press (>10s): When multiple controllers share one push button, achieve simultaneous adjustment.

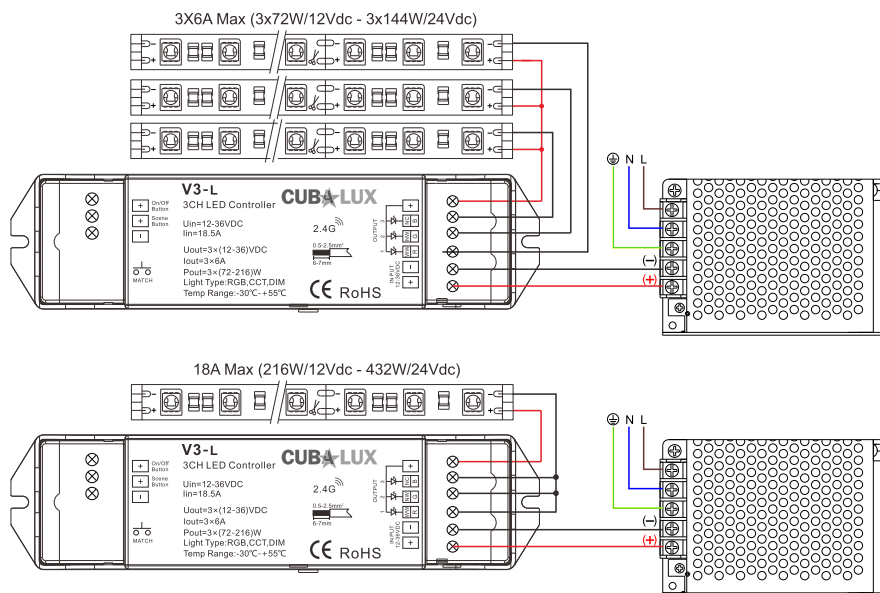
2.Scene button

- Short press: Select between 30 RGB modes
- Long press (1-5s): Adjust the speed of selected RGB mode
- Long press (>10s): When multiple controllers share one push button, achieve simultaneous select.

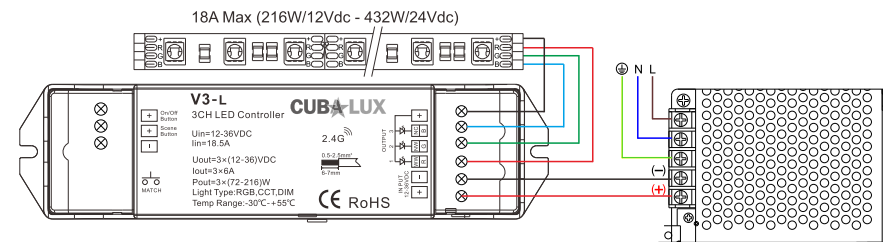


Wiring diagram

1. Connection with single color led strip (dimming)



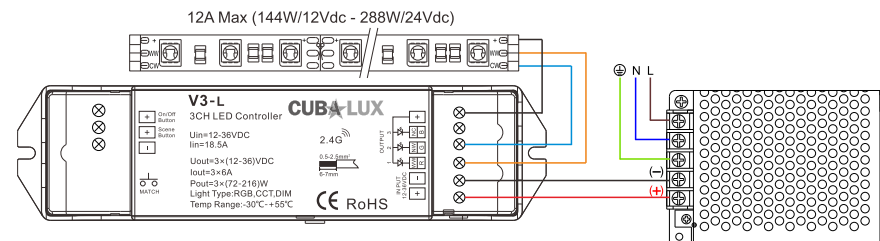
2. Connection with RGB led strip



RGB change mode list

No.	Name	No.	Name	No.	Name
1	Static red	11	Green strobe	21	Red yellow smooth
2	Static green	12	Blue strobe	22	Green cyan smooth
3	Static blue	13	White strobe	23	Blue purple smooth
4	Static yellow	14	RGB strobe	24	Blue white smooth
5	Static cyan	15	7 color strobe	25	RGB+W smooth
6	Static purple	16	Red fade in and out	26	RGBW smooth
7	Static white	17	Green fade in and out	27	RGBY smooth
8	RGB jump	18	Blue fade in and out	28	Yellow cyan purple smooth
9	7 color jump	19	White fade in and out	29	RGB smooth
10	Red strobe	20	RGBW fade in and out	30	6 color smooth

3. Connection with dual color led strip



Installation instructions

- (1) Installation should be made with regards to all applicable electrical and safety standards. Only qualified person should be allowed to perform installations (otherwise and in case of damage the warranty does not apply).
- (2) Before any installation or maintenance work, please disconnect your system from the utility. Ensure that it can't be re-connected.
- (3) To prevent wiring materials from heating up or igniting, use the correct gauge of wire which can withstand the output current capacity. Also check the rated voltage of any wire used.
- (4) Make sure that all wires securely enter the terminal connection and the screw terminals are securely fixed to prevent poor contact.
- (5) Ensure the unit has proper heat conduction.

CAUTION!

- (1) Do not use this controller in places with high humidity or near water (IP20 protection).
- (2) Avoid places with high temperature or near heat sources.
- (3) Output current and output wattage must not exceed the rated values on specifications.
- (4) For continuous operation must operate to 80% of the maximum output current and wattage.
- (5) All failure should be examined by a qualified technician. Please do not remove the cover of the controller by yourself, (in case you remove the cover of the controller the warranty does not apply).

Malfunctions & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection	1. Check the power. 2. Check the connection.
Wrong color	1. Wrong connection of RGB wires.	1. Reconnect RGB wires.
Uneven intensity between front and rear with voltage drop	1. Output cable is too long. 2. Wire diameter is too small. 3. Overload beyond power supply capability 4. Overload beyond controller capability	1. Reduce cable length 2. Use thicker wire. 3. Use higher power supply. 4. Add power repeater.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance. 3. The controller did not match the remote.	1. Replace battery. 2. Reduce remote distance. 3. Re-match the remote.