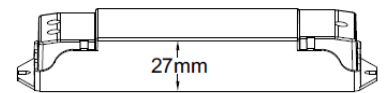
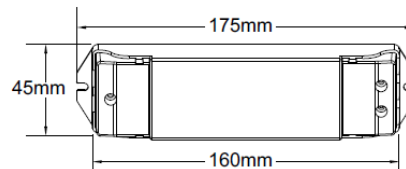


Luminous flux dimming SMART CC controller
RF signal available - radiofrequency



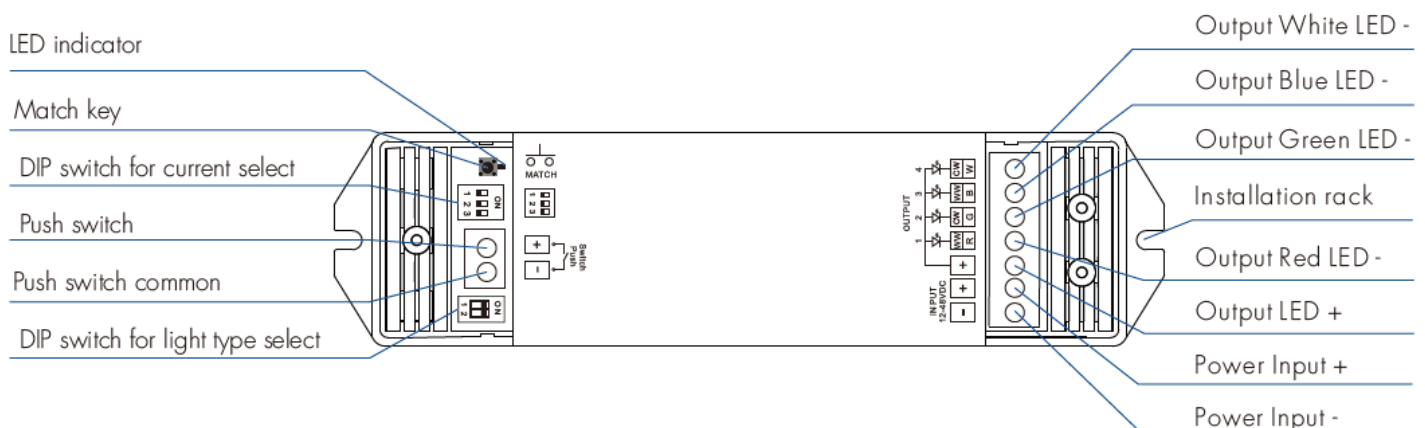
Features

- Can be connected with remote controller for brightness adjustment.
- an be connected with 10 remote controller at max.
- Auto.transmission: the main controller automatically connect itself with other main controller.
- Can be synchronized with severals main controllers.
- Can be connected with a NO button to dimmer and switch on/off;
- Fade in and out effect selectable.

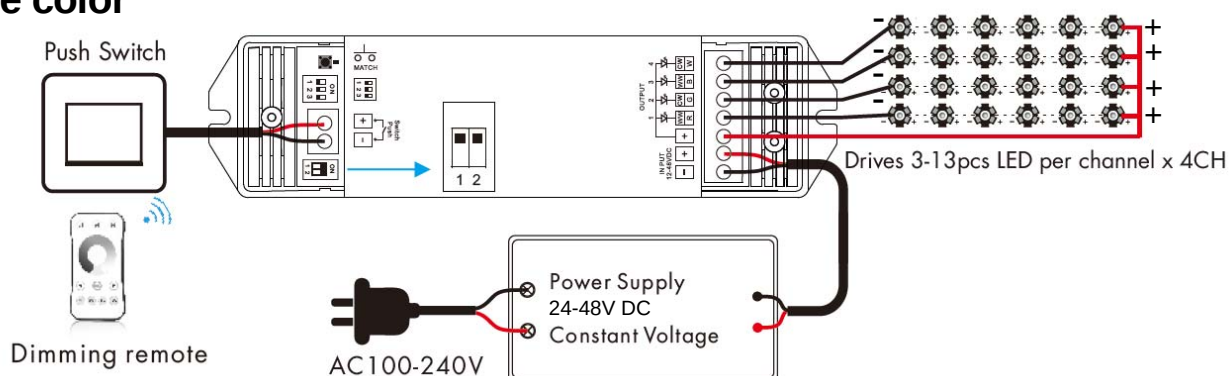
Technical features

- Input voltage: 24-48VDC
- Output voltage: 4 x (10-42) VDC
- Output current: 4CH, 350mA / CH
- Output power: 4 x (3.5-14.7)W
- Output type: constant current
- Working temperature: -30°C / +55°C
- Storage temperature: 85°C
- IP degree: 20
- Warranty: 5 tears
- Protections: short circuit - reversed polarity
- Input signal: RF 2.4GHz + push dim
- max distance: 30m
- Dimming levels: 4096 livelli
- Dimming range: 0 - 100 %
- Net weight: 0,120 Kg
- Gross weight: 0,140 Kg

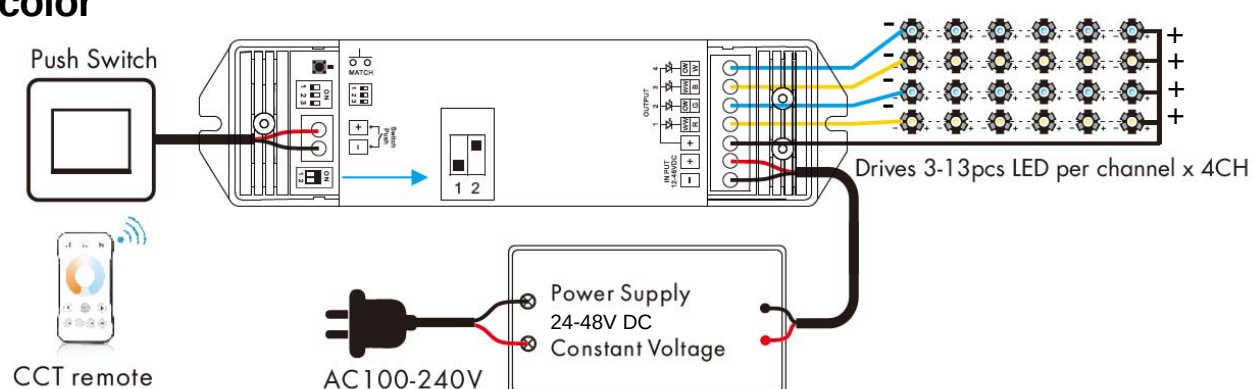
Interface



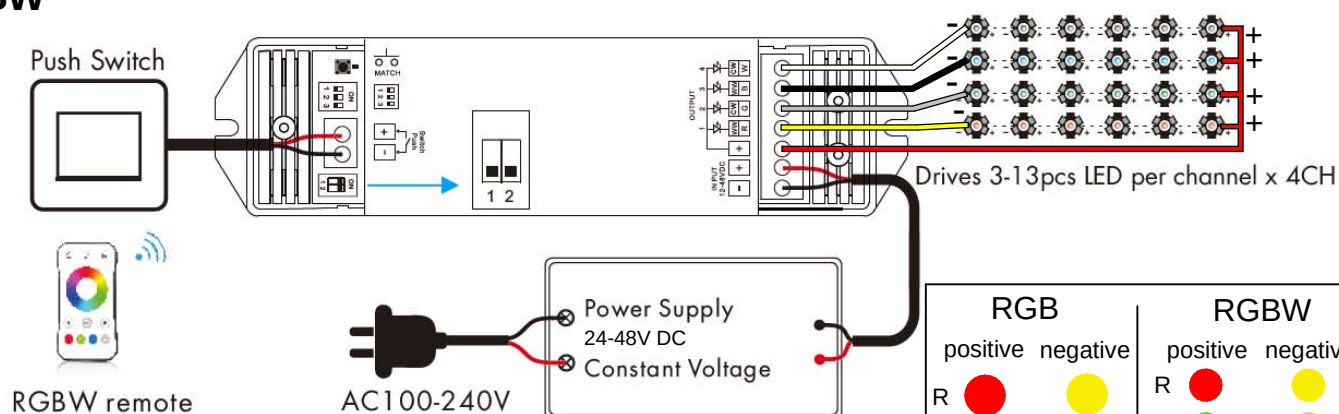
Single color



Dual color

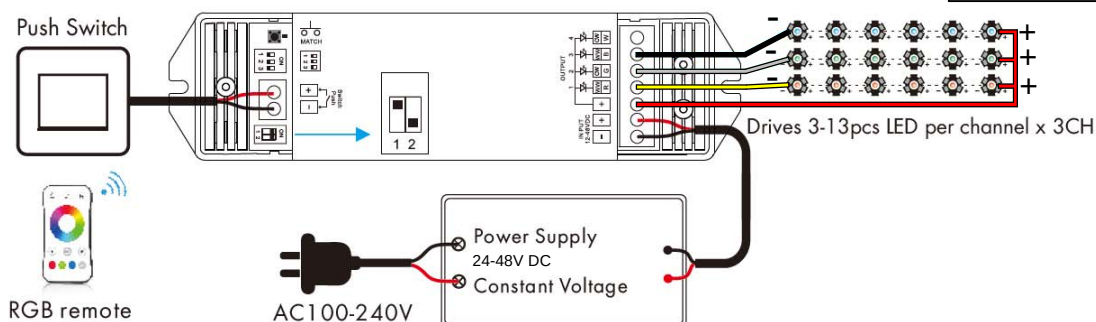


RGBW



RGB		RGBW	
positive	negative	positive	negative
R		R	
G		G	
B		B	
		W	

RGB

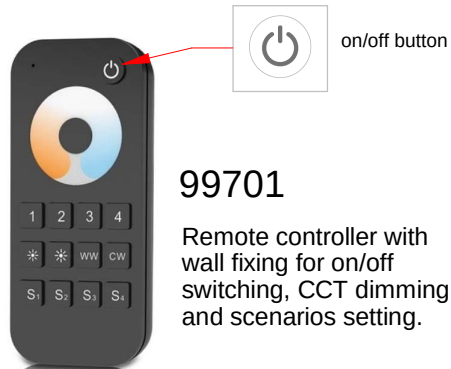


1. The LED number in each channel can be different, in that case the controller can auto check and emit a proper voltage for each channel.
2. The voltage of the power supply should be greater than the total voltage of the series connection of the LEDs.

Operations with Push-dim

Single color	Single pressure	ON/OFF
	Double pressure	Turn the light on at 100% or 10%
	Long pressure(>1s)	Light is dimmed at max / min
Double color	Single pressure	ON/OFF
	Double pressure	Turn the light on at 100% or 10%
	Long pressure(>1s)	increase / decrease CCT
RGB	Single pressure	ON/OFF
	Double pressure	Change fro color mode to white mode (RGB), and vice-versa
	Long pressure(>1s)	If in color mode, change color rotation's speed; If in white mode (RGB), dimming up/down
RGBW	Single pressure	ON/OFF
	Double pressure	Change from color mode to white mode (RGB), or to color+W mode (RGBW)
	Long pressure(>1s)	If in color mode, change color rotation's speed; If in white (RGB) or color+W (RGBW) mode, dimming up/down

Dimming remote controllers



Remote controller / Main controller connection

To make the connection between the control unit and one or more remote controls, carry out the following steps:

Controller's Match Key:

1. Press match key.
2. Immediately press the on/off button.
3. If the LED indicator fast flash few times, the connection has been made.
4. If the LED indicator does not flash, repeat the steps above.

Power Restart:

1. Turning the control unit off and on twice.
2. Immediately press the on/off button three times in succession.
3. If the strip light flashes 3 times, the connection has been made.
4. If the strip does not flash, repeat the steps above.

DIP switch:

1. Change DIP switch setting.
2. Immediately press the on/off button on the remote.
3. Return DIP switch setting to the start position.

Connection with several main controllers / Reset

SYNCHRONISATION

If you want to make a connection with more than one controller connected to each other, carry out the same operations as above but keep the on/off button pressed for about 20 seconds.

RESET

If the strip flashes oddly or there are malfunctions, connect a N/O button and press and hold 20s to reset the controller.

Delete connection between main controller/ remote controller

To delete the connection between the control unit and one or more remote controls, follow these steps:

Controller's Match Key:

1. Hold match key for 5s.
2. If the LEDs fast flash few times, the connection has been severed.
3. If the LEDs do not flash, repeat the steps above.

Power Restart:

1. Switch off the control unit and then switch it on again.
2. Immediately press the on/off button 5 times in succession.
3. If the LEDs flash 5 times, the connection has been severed.
4. If the LEDs do not flash, repeat the steps above.

Fade in and Fade out Setting

1. Press match key for 5s.
2. Short press match key 3 times.
3. The Light effect will be set to Fade in and Fade out in 3s.
4. If the LED indicator flash 3 times, the effect has been set.
5. If the LED indicator does not flash, repeat the steps above.

Reset:

1. Press match key 10s.
2. The light on/off parameter restore to 0.5s.

Malfunctions and troubleshooting

Malfunctions

Causes

Troubleshootings

1 - No light	- no power - wrong wiring	- check if the input/output voltage is correct - check if the wiring is correct
2 - Wrong color	- wrong RGBW wiring	- reconnect rgbw wires
3 - Uneven intensity of light between front and rear	- output cable is too long - wiring diameter too small - overload of the power supply - overload of the repeater	- reduce output cable length - change into wider wire - replace power supply (48V DC max) - lower the number of LEDs in series in a single channel.
4 - No response from remote controller	- low battery - beyond max range - main controller not connected to the remote controller	- replace battery - lower range - do the remote controller connection

Warranty agreement - Safety & warnings

1. Power supplies, wirings and accessories used on the product must be provide or approved by Linea Light Group, if not, the warranty agreement will be null.
2. The product must be installed by qualified technicians.
3. This product isn't waterproof, make sure to avoid rain.
Avoid direct sunlight
4. Good heat dissipation will grant a longer working life of the repeater.
Try to ensure a good ventilation.
5. Check if the voltage output of the power supply used, match with the working voltage of the product before using it.
6. Check the wirings connection before using the LED strips to avoid any damage to them.
7. If the product has been damaged, please return it to the supplier.
Don't try to fix it by yourself.