



Led Controllers



RF RGB CONTROLLERS 1-19

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RF RGBW Controller(10 Zones)

Model: LC-2806 with LC-1003 series

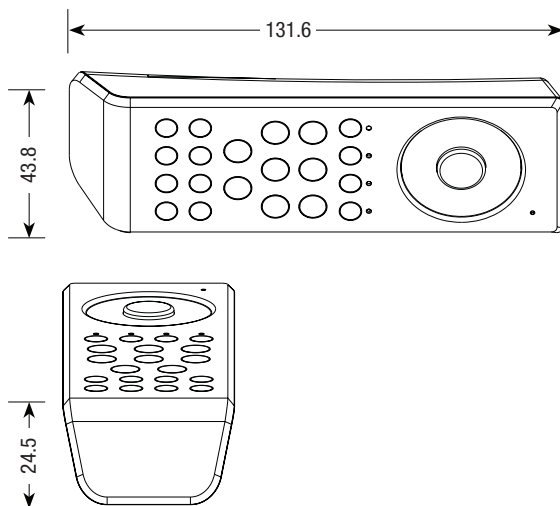
Features

- High sensitive & high stable touch color wheel, fast & precise color control.
- Enable to control 10 zones separately. Each zone can switch on/off separately.
- Changing modes of 10 zones can be synchronized without any confusion.
- 10 changing modes. Enable to stay at any color under situation of color changing modes.
- Adjustable changing speed with 8 levels, quickest speed is 4S, slowest speed is 256S.
- Controlling RGBW or RGBY 4 colors that achieve more selectable colors than traditional RGB control.
- To adjust brightness of each color independently that can achieve millions of changing colors.
- To work with power repeater to expand output unlimitedly.



Product Size

Dimensions



Parameter

Remote

Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)
LC-2806	4.5VDC	434MHz/868MHz	43.8x131.6x24.5

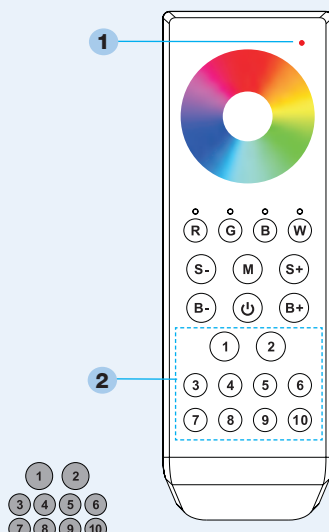
Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-1003RCW	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1003RCWEA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1012RCW	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current

Brief introduction of buttons

1 Working status indicator, the sender is in dormant status when the indicator is off. The sender is under working when the indicator is flashing rapidly. If the indicator continues flashing at the frequency of 1 second, it indicates that the sender batteries low and needs to replace new batteries.

2 Figure 1-10 is for selecting receiver's ID and ID itself to turn ON/OFF



Touch wheel for selecting R/G/B colors



"R" button and indicator



"B" button and indicator



Speed down when color is changing



Multifunction button, used for selecting, Synchronous or asynchronous mode



Brightness down



Multifunction button, used for turn ON/OFF and white output



"G" button and indicator



"W" button and indicator



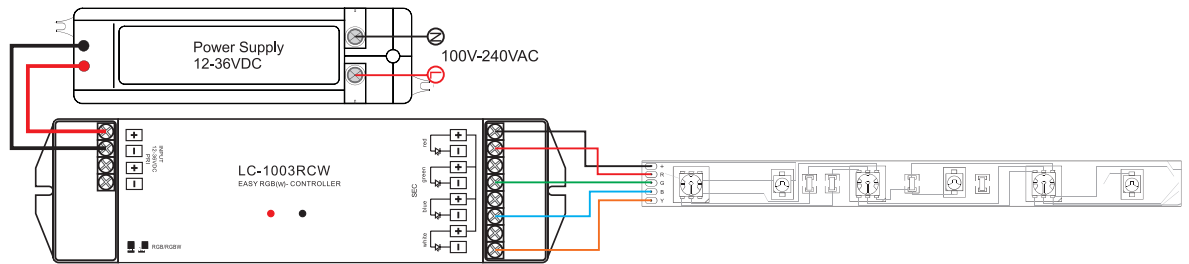
Speed up when color is changing



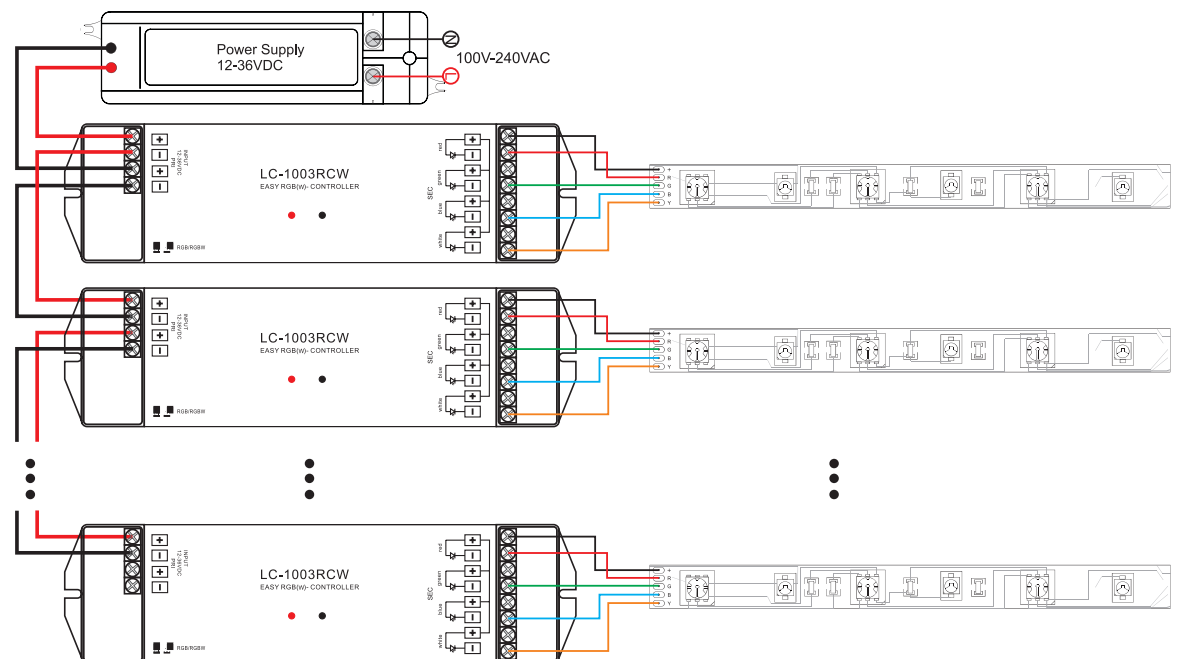
Brightness up

Dijagram spajanja

1) Receiver Connection Diagram for Single Unit



2) Receiver Connection Diagram for Multiple Units



Operation

1. Install battery

Initial using easy RGB(W) remote controller, open the battery cover on the back of the sender, load 3pcs 7 AAA (1.5V) batteries. Please pay attention to the battery's negative and positive, otherwise it will fail to work.

2. Receiver learning ID

Initial using easy RGB(W) remote controller must learn the ID of the receiver, the purpose of learning ID code is to make a certain receiver which can correspond the sender.

The method of Receiver learning ID is as follows: press the ID learning button ● on the sender, the ID learning indicator ● is on, then press one of the number button (figure 2) on the sender, press the number that you want this receiver to be, E.g. If you want this receiver to be No. 1, please press button 1 first, then touch the wheel ●, or you can press any functional button on the sender, such as (B- B+ U M S- S+) etc. to transmit signal to the Sender, after Receiver receives the signal from the sender, the indicator will flash a few times and then turns off, then receiver ID is activated. If the ID activation is failed at the first time, please repeat the previous procedures.

Attention: The receiver ID learned by touching ● color wheel is different from the receiver that learned by pressing (B- B+ U M S- S+) function button. The receiver ID learned by touching ● color wheel that we define it as SLAVE receiver, the receiver ID learned by pressing (B- B+ U M S- S+) function button that we define it as MASTER receiver. The purpose of learning these two kinds of receivers is to ensure the receivers and color changing synchronously to avoid the color changing out of order. This point will be noted later.

3. Delete ID and ID re-learning

If you need to delete the ID learned in the receiver, press ID learning button for more than 5 seconds, when learning indicator is off, then the learned ID is deleted. If you need the receiver learn a new ID, repeat the operation of 4.2 (Receiver learning ID).

4. Choose color by touching color wheel ●

After the receiver learned the ID, you can change each receiver's color by touching color wheel. If you want to change the color of receiver NO.1..

Press button ①, then make rotating touch on color wheel by your figures, at this time, the color of receiver No.1 will be changed constantly, when your favorite color appears, stop rotating and leave the color wheel.

If you need change color of several receivers at the same, just choose a number for these several receivers first, then touch color disc. For example, change color for receivers NO.1, 2, 3, 4, 5, 6 at the same time, you need press number 1 to 6 button (figure 2) first, then touch the color wheel.

5. Select or adjust color by R, G, B, W button

In addition to change the color by touching color wheel, but you can also select the single color through R, G, B, W buttons or adjust the color by color wheel to get your wanted color. For example, you choose a color by touching color wheel and still want add a bit more brightness to red color, just press R button for over 2 seconds, then the indicator of R will be on and red is selected, make clockwise rotation on the color wheel by finger, then the brightness of red will be increased. If you want the red color to be darker, just make counter clockwise rotation on the color wheel. If need to adjust the color brighter or dim several colors at same time, also just choose the colors, such as R, G, then make clockwise rotation or counterclockwise rotation, it can simultaneously adjust the brightness for both colors. If you want to cancel the selected color, just press selected button for 2 seconds, the corresponding color will be off, this color is abandoned. By pressing of R, G, B, W button, you can turn on/off the corresponding single color. For example, if you want LED lightings to get red, press R for over 1 second, then the red color will be turn on. If you want to turn off red again, press R for 1 second, the red will be off again. The same operation is for other colors.

Note: If you select a color output, such as red, then you select another color output, such as green. So red and green are output at the same time. If you only need to separate out the second output "green", just turn off the front color "red".

In short, using R, G, B, W buttons and operating color wheel, you can mix more than 100 million colors or any color you want.

Attention: The receiver is under single or multi-color adjustment condition when any single or multi-color is selected. Under this condition, you can only make clockwise rotation or counterclockwise rotation operation to adjust the color. A direct touch on color wheel will not work. Only after exiting from the single or multi-color condition, a direct touch on color wheel will work.

6. Choose color changing mode

Selecting the mode button, receiver change colors according to different modes, a total of 10 built-in color changing modes. If you want one or several receivers under color changing mode, press number button, and choose receiver number, then press button again. For first press of button, receiver will change according to mode 1, one more time press of button, the receiver will be paused, it will stay at one color under mode 1 condition. Press button again, the color will change according to mode 2, press button one more time, it will be paused at one color under mode 2. Press button for seconds, the receiver will keep changing as follows:

MODE1 STOP---MODE2 STOP MODE3 STOP MODE4 STOP MODE5 STOP
MODE6 STOP

--MODE7---STOP---MODE8---STOP

P---MODE9---STOP---MODE10---OFF---MODE1.....

The receiver will be at one of static colors by touching the color wheel in color changing modes. Then press button, receiver will be changed as Mode 1 again.

7. Brightness adjustment

Under the static color status or color changing status, you can adjust the brightness by press B- and pressing button B+ to increase the brightness. The brightness is divided into 8 levels, the minimum is 10%, and the maximum is 100%.

8. Changing speed adjustment

Under color changing mode, you can slow down the changing speed by pressing button S-, or speed up changing speed by pressing button S+, 16 speed levels in total are available. The maximum changing cycle is 4 seconds; the minimum changing cycle is 256 seconds.



■ RGBW receiver

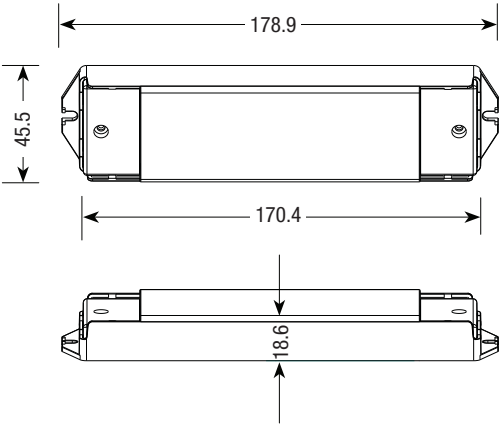
Model: LC-1003



Features

- Work with different sender
- Control RGBW, RGB

Product Size
Dimensions



Parameter

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-1003RCW	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1003RCWEA	12-36VDC	4x8A	4x(96-288)W	Constant voltage

Suitable sender

Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)
LC-2501N	4.5VDC	434MHz/868MHz	48.3x131x24.5



▪ RF wireless LED remote controller

Model: LC-2819 with LC-1009Fxx



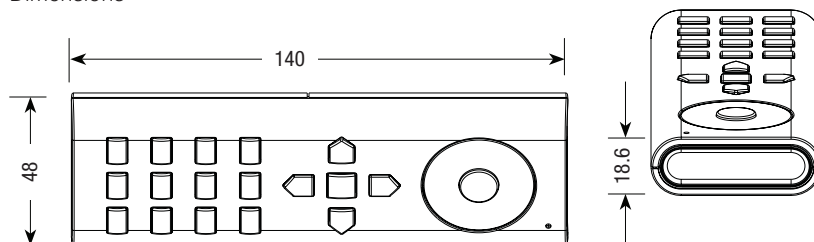
Features

- Six zones/areas
- Press-button RGBW controller
- Receivers work with WIFI-RF convertor to be controlled by smart phone



Product Size

Dimensions



Product introduction

LC-2819 RGBW remote controller has 6 different zones. It can get Red/ Green/ Blue/ White color directly. The remote controller can save up to 6 colors or 6 modes into corresponding buttons (1-6 positions) for each zone.

You can choose any color through color wheel. you can set the system as RGB 3-channel output, or RGBW 4-channel output.

Parameter

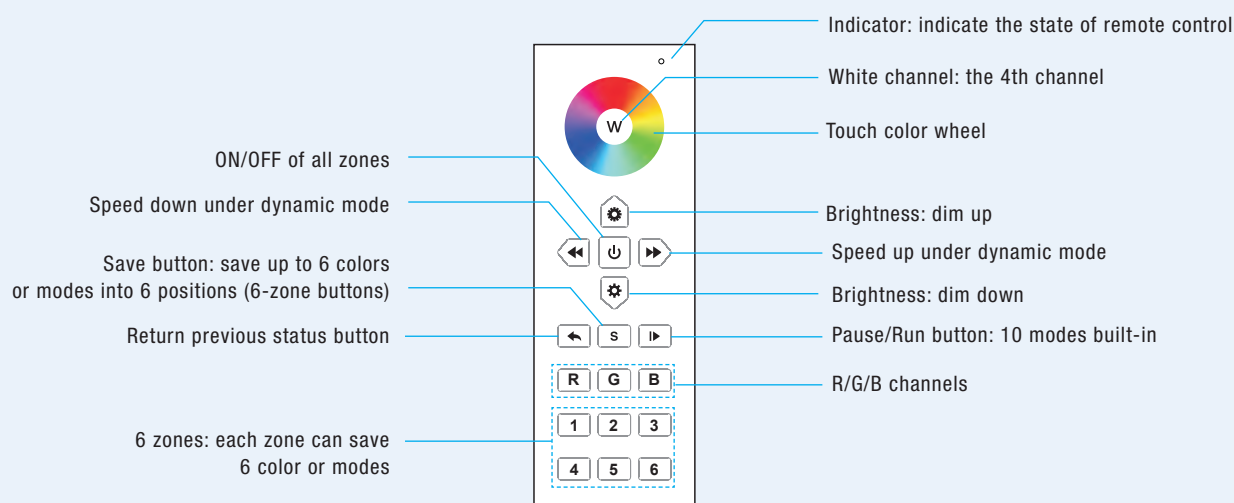
Remote

Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)	Remarks
LC-2819	3.6VDC	434MHz/868MHz	48x140x16	load 3pcs 7 AAA (1.5V) batteries

Receiver

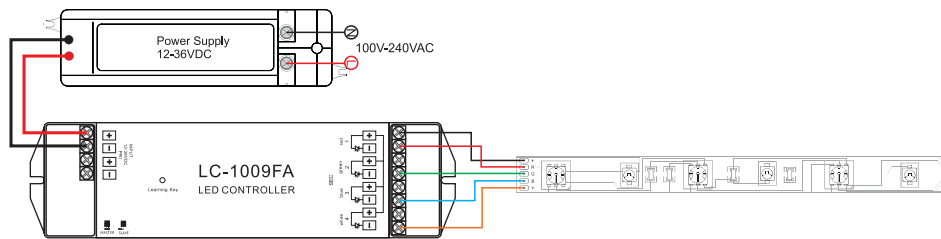
Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current

Brief introduction of buttons

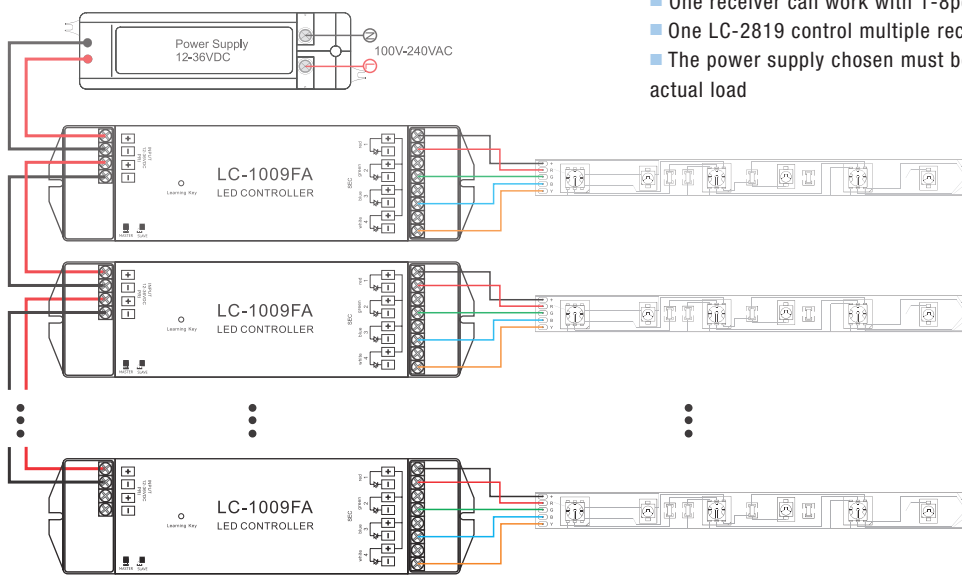


Dijagram spajanja

1) Receiver Connection Diagram for Single Unit



2) Receiver Connection Diagram for Multiple Units



Note

- One receiver can work with 1-8pcs LC-2819
- One LC-2819 control multiple receivers
- The power supply chosen must be 20% higher than the actual load

Operation

Learning (matching)

- Do wiring according to connection diagram
- Wake up the remote control by touching ON/OFF button.
- Press learning button on receiver.
- Touch any zone button on remote control.
- Then touch color wheel.
- Connected LED light will blink to confirm zone designation.
- Press at learning button on receiver over 5 seconds until LED light flash, then delete the learned ID.

Note 1: To choose a master from slaves by jumper for each zone. Short circuit for master. Open circuit for slave.

Each zone only can set one master controller. After a period of time, the master will do synchronization operation to keep the same color or mode of all slaves in one zone.

Note 2: Each remote control 8 zones (areas) receivers, each area can be learned as many receivers as we can.

Each receiver maximally can be controlled by 8 different remote controllers.

RGBW button

Touch **R G B W** button is to switch on/off of each corresponding color.

Hold your finger on **R G B W** button to dim brightness of each corresponding color. There are total 8 levels of brightness.

Note: If you press R, then press G, then it is mix color of R and G. If you want to get G color directly, please press R to switch off of R first. Then press G.

Running&Pause Button

a. Press pause&run **▶** button ,mode will run. Press it 1 time, it runs one mode. Press button again, it stops, then press one more time, it will enter next mode. There are total 10 build-in modes.



b. Pause&run button can work with S **S** button , it can save modes into different zone.

c. Touch **1 2 3 4 5 6** button one by one, such as press button 1,2,3,4,5,6, then press **▶** button. Zone 1,2,3,4,5,6 will run synchronized mode, after long press, LED lighting will flash twice, they will switch to chasing running mode, long press again to switch back.



Return button

Touch  button to return previous color or running mode.

Speed up and Speed down Button

Touch  button to speed down when mode is running, touch  button to speed up when mode is running.

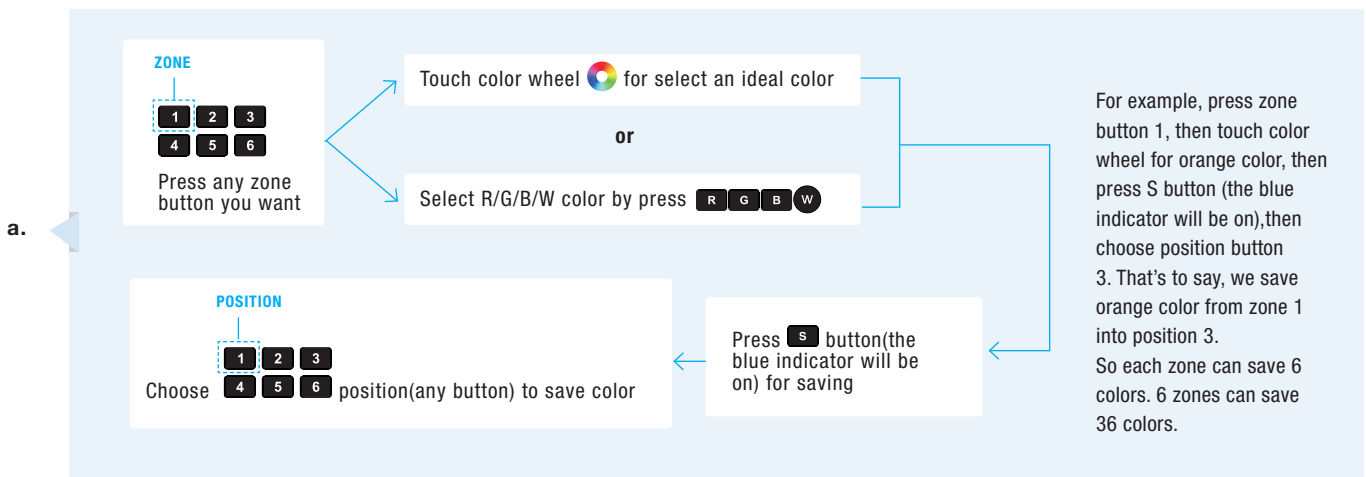
Brightness down or up button

Short/long press  button to dim down brightness of RGB channels, Short/ long press  button to dim up RGB channels.
"W" channel is separated from RGB channels, so we can only long press button to dimming "W" channel.

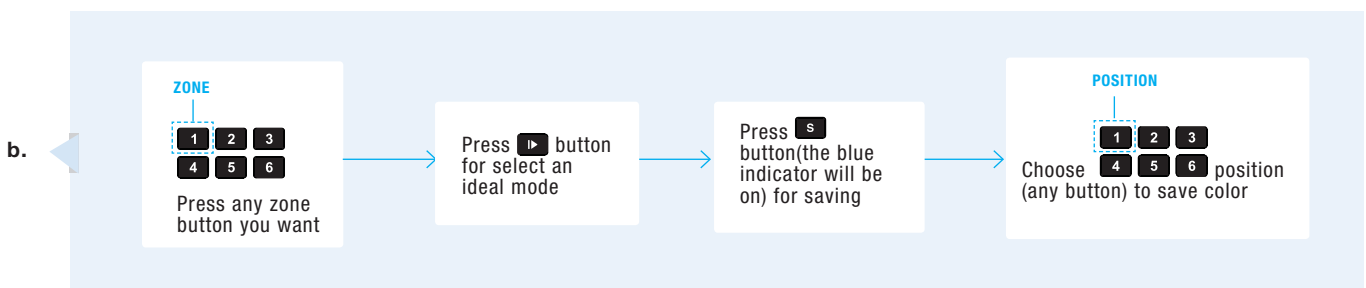
Save Button

Safety & Warnings

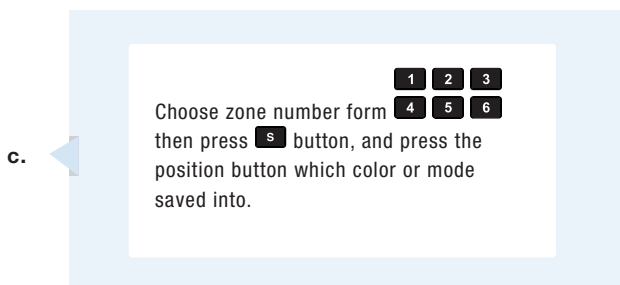
- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.



How to save mode into different position per zone?



Recall



Warranty Agreement

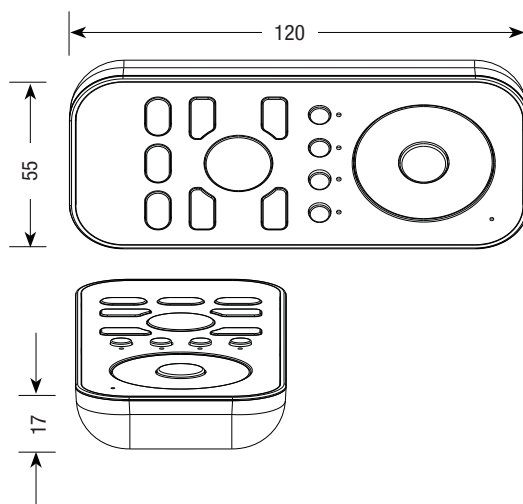
- 1) We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- 2) Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

▪ RF wireless LED remote controller

Model: LC-2819S with LC-1009Fxx



Product Details: Technical Specifications



Features

- Four zones/areas
- Press-button RGBW controller
- Receivers work with WIFI-RF convertor to be controlled by smart phone

Product introduction

LC-2819S RGBW remote controller has 4 different zones. It can get Red/ Green/ Blue/ White color directly. The remote controller can save up to 6 colors or 6 modes into corresponding buttons (1-4 positions) for each zone. You can choose any color through color wheel. you can set the system as RGB 3-channel output, or RGBW 4- channel output.

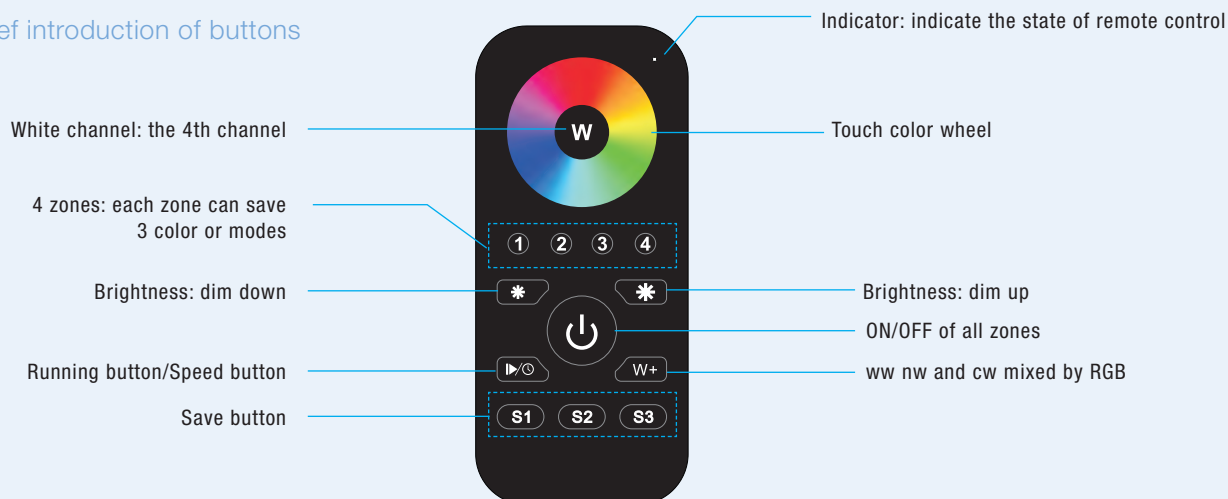
Remote

Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)	Remarks
LC-2819S	3.6VDC	434MHz/868MHz	55x120x17	load 3pcs 7 AAA (1.5V) batteries

Receiver

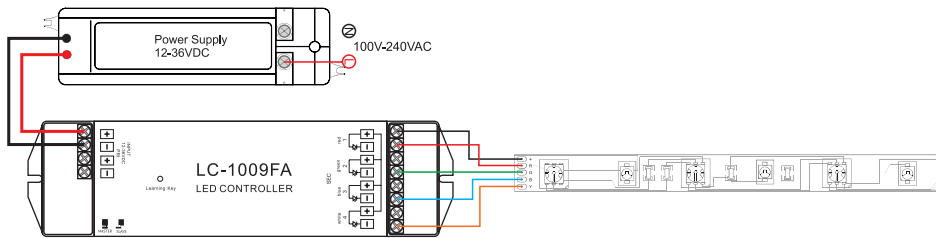
Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current

Brief introduction of buttons

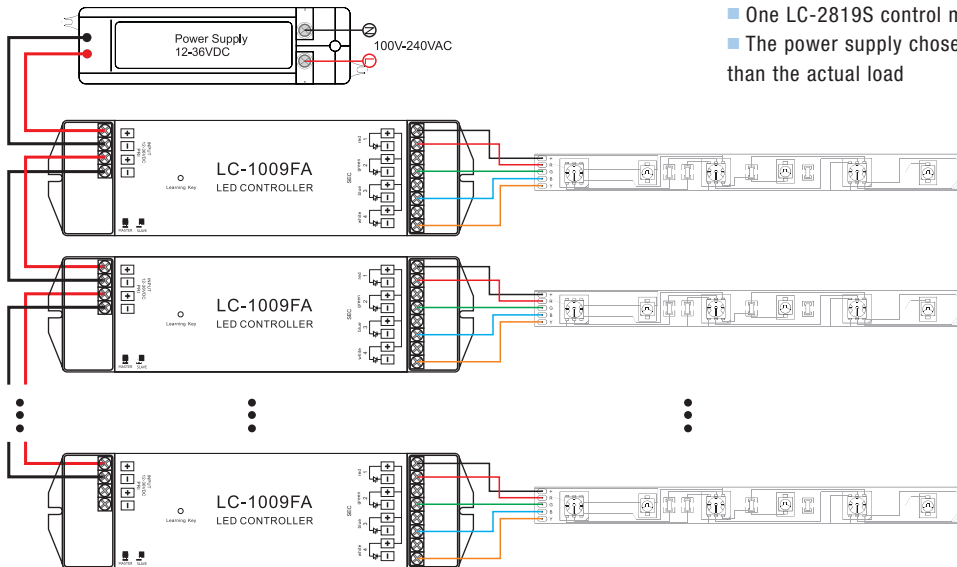


Dijagram spajanja

1) Receiver Connection Diagram for Single Unit

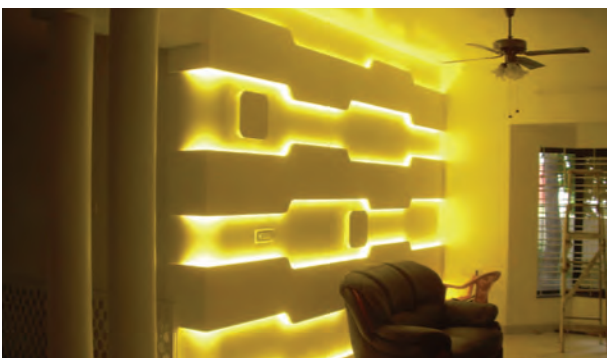


2) Receiver Connection Diagram for Multiple Units



Note

- One receiver can work with 1-8pcs LC-2819S
- One LC-2819S control multiple receivers
- The power supply chosen must be 20% higher than the actual load



Operation

Learning (matching)

- a. Do wiring according to connection diagram
- b. Wake up the remote control by touching ON/OFF button.
- c. Press learning button on receiver.
- d. Touch any zone button on remote control.
- e. Then touch color wheel.
- f. Connected LED light will blink to confirm zone designation.
- g. Press at learning button on receiver over 5 seconds until LED light flash, then delete the learned ID.




Note 1: To choose a master from slaves by jumper for each zone. Short circuit for master. Open circuit for slave.

Each zone only can set one master controller. After a period of time, the master will do synchronization operation to keep the same color or mode of all slaves in one zone.



Note 2: Each remote control 4 zones (areas) receivers, each area can be learned as many receivers as we can.

Each receiver maximally can be controlled by 8 different remote controllers.



Color wheel

Choose zone number ① ② ③ ④, for example, ① and ③, then touch , choose the color you want, zone 1 and 3 will indicate corresponding color as we touched.



Brightness Up & Down Button

Short/Long press  button to dim down brightness of RGB channels, Short/long press  button to dim up RGB channels. "W" channel is separated from RGB channels, so we can only long press button to dimming "W" channel.

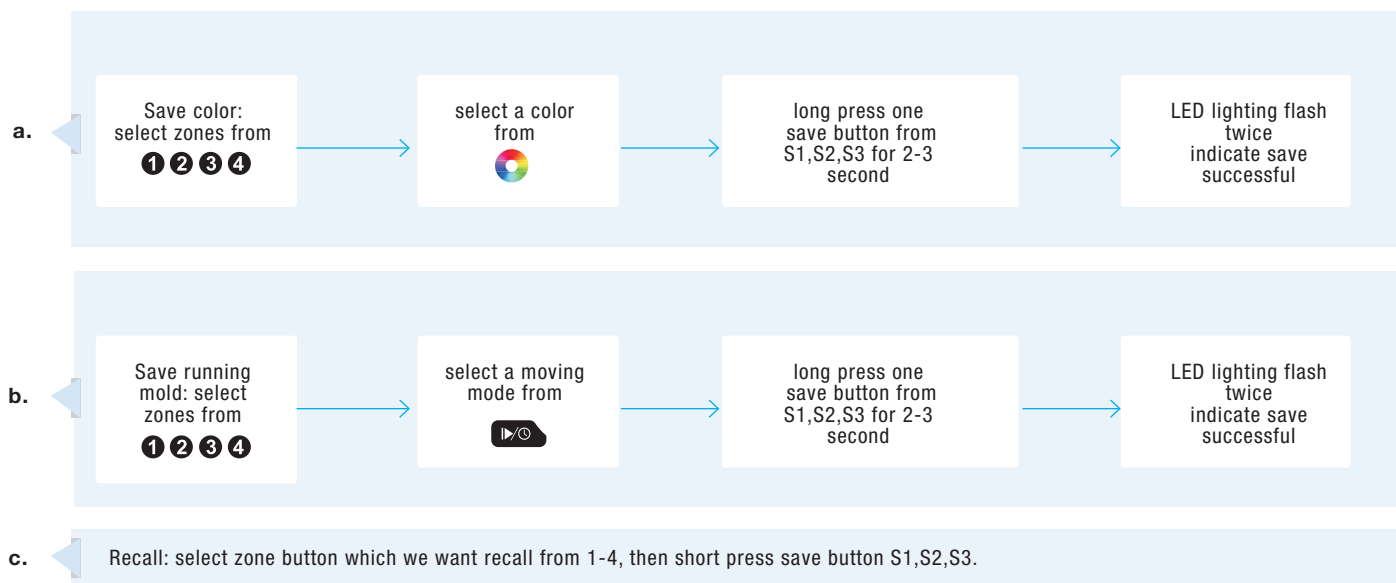
Running Mould & Speed Button

- Short press , mode will run. Press it once, it runs one mode. Press button again, it stops, then press one more time, it will enter next mode. There are total 10 build-in modes.
- Long press  when mode is running, first long press will speed up the color moving, long press again to speed down the color moving.

W+ Button

- RGB channel will mix to three different white: warm white, nature white and cold white by short press .
For example: first press—warm white, press again—nature white, third press again—cold white, fourth press—warm white—
- Fast click twice  to switch off RGB channel.

Save and recall button



Warranty Agreement

- We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

Safety & Warnings

- The product shall be installed and serviced by a qualified person.
- IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- Please ensure that the cable is secured tightly in the connector.
- For update information please consult your supplier.



▪ RF wireless LED remote controller

Model: LC-2819S-DIM with LC-1009Fxx

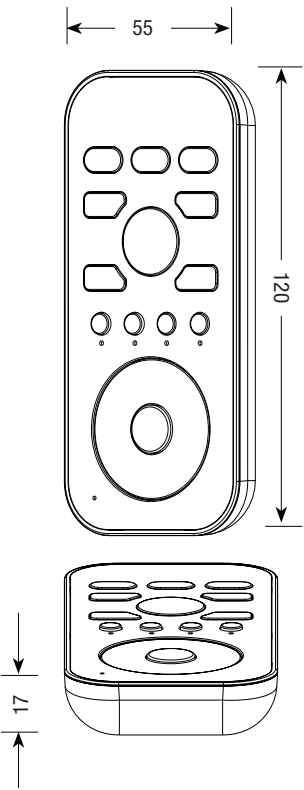


Features

- Four zones/areas
- Press-button Dimmer
- Receivers work with WIFI-RF converter to be controlled by smart phone

Product Size

Dimensions



Parameter

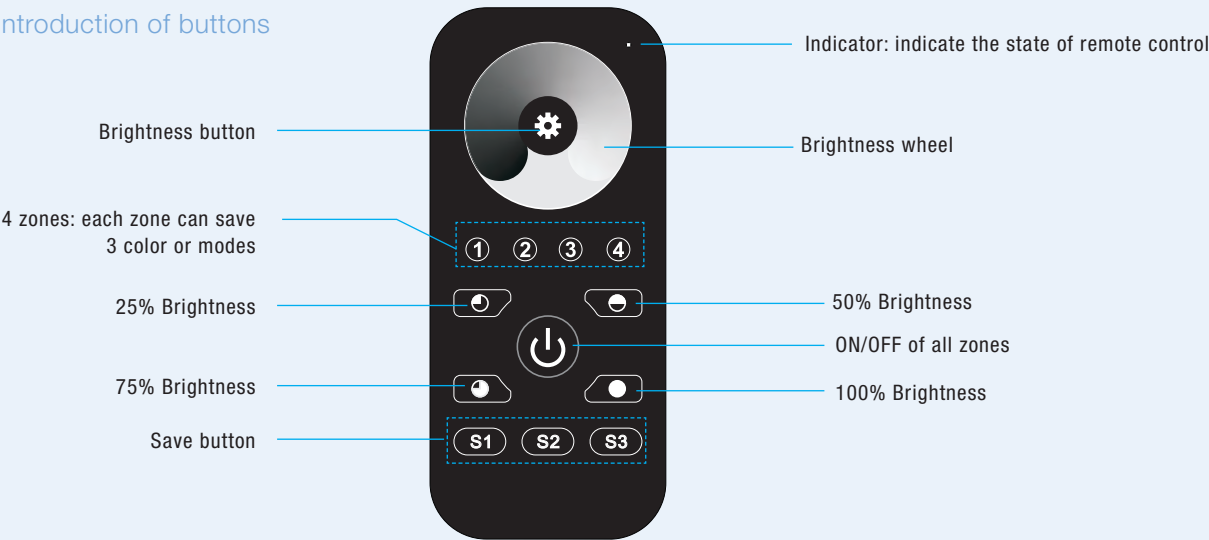
Remote

Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)	Remarks
LC-2819S-DIM	3.6VDC	434MHz/868MHz	55x120x17	load 3pcs 7 AAA (1.5V) batteries

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current

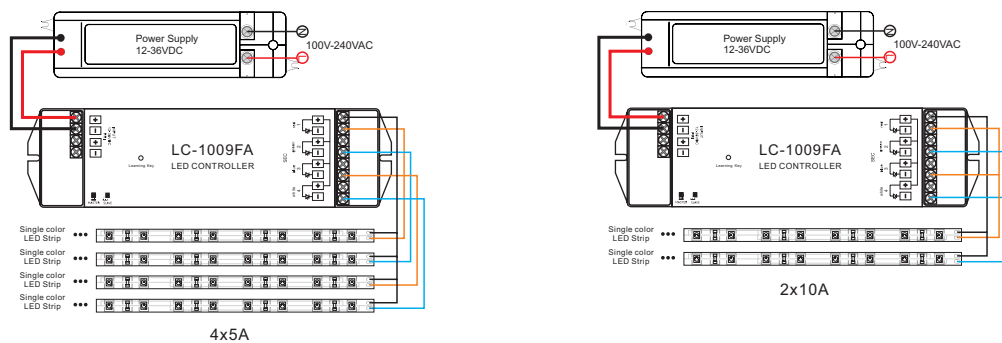
Brief introduction of buttons



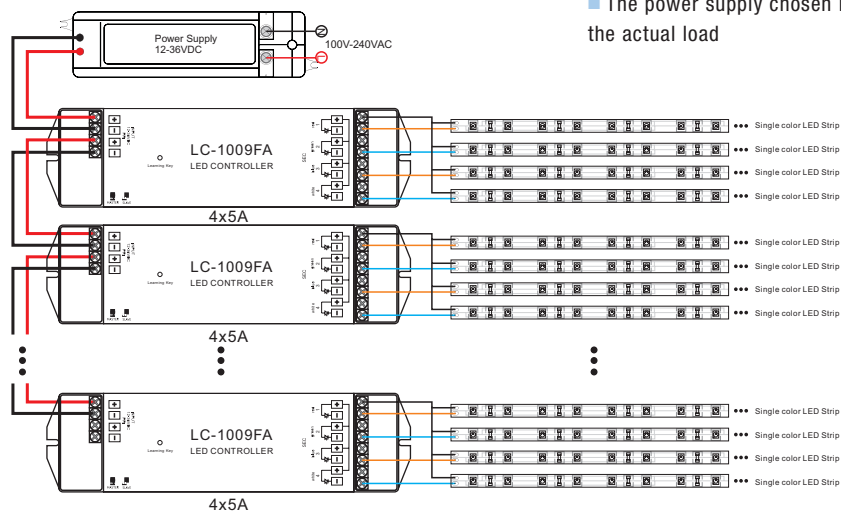


Dijagram spajanja

1) Receiver Connection Diagram for Single Unit



2) Receiver Connection Diagram for Multiple Units



Note

- One receiver can work with 1-8pcs LC-2819S-DIM
- One LC-2819S-DIM control multiple receivers
- The power supply chosen must be 20% higher than the actual load

Operation

Learning (matching)

- Do wiring according to connection diagram
- Wake up the remote control by touching ON/OFF button.
- Press learning button on receiver.
- Touch any zone button on remote control.
- Then touch brightness wheel.
- Connected LED light will blink to confirm zone designation.
- Press at learning button on receiver over 5 seconds until LED light flash, then delete the learned ID.


Note 1: To choose a master from slaves by jumper for each zone. Short circuit for master. Open circuit for slave.

Each zone only can set one master controller. After a period of time, the master will do synchronization operation to keep the same color or mode of all slaves in one zone.


Note 2: Each remote control 4 zones (areas) receivers, each area can be learned as many receivers as we can.

Each receiver maximally can be controlled by 8 different remote controllers.





Color wheel

Choose zone number ① ② ③ ④, for example, ① and ③, then touch , choose the brightness you want, zone 1 and 3 will indicate corresponding brightness as we touched.

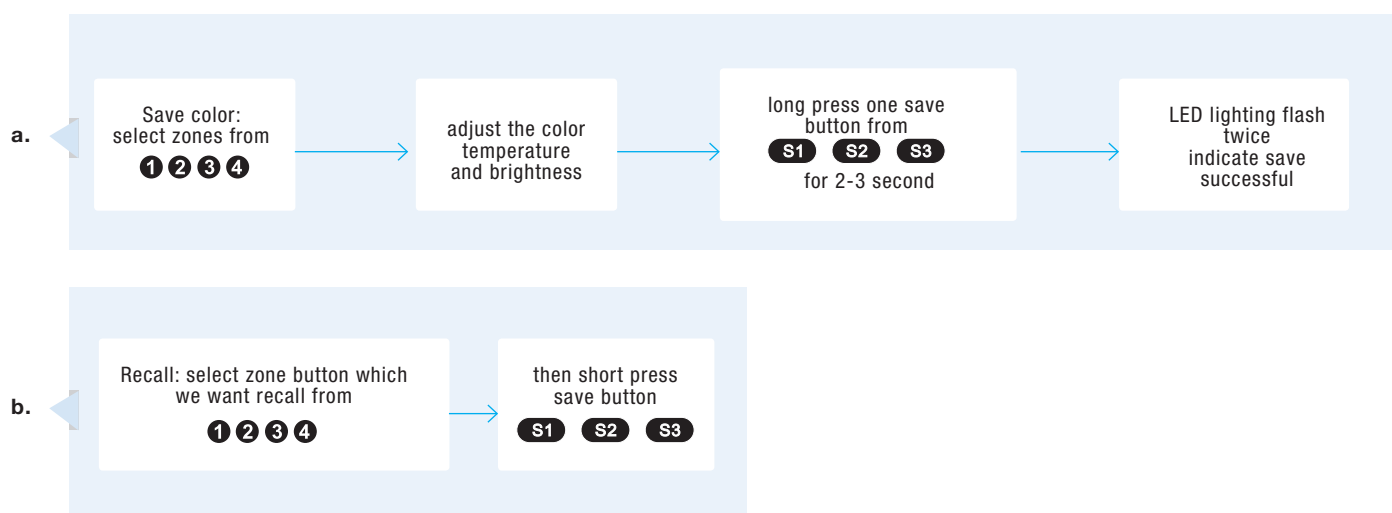
Brightness Up & Down Button

Long Press  button to dim down/up brightness, the dimming direction will change every time after pressing switch. For example, the first long press is brightness up, it will be dimmed down when long press again.

Brightness level button

Select zone from ① ② ③ ④. Press , the corresponding zones will be 25% brightness. Press , the corresponding zones will be 50% brightness. Press , the corresponding zones will be 75% brightness. Press , the corresponding zones will be 100% brightness.

Save and recall button



Safety & Warnings

- The product shall be installed and serviced by a qualified person.
- IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- Please ensure that the cable is secured tightly in the connector.
- For update information please consult your supplier.

Warranty Agreement

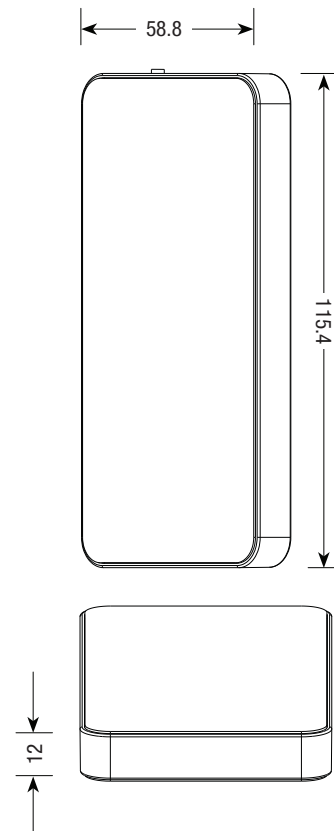
- We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ RF wireless LED remote controller

Model: LC-2818 with LC-1009Fxx



Product Size Dimensions



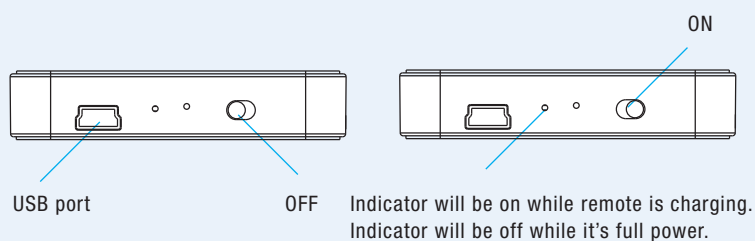
Features

- Eight zones/areas
- Touch button RGB+W controller
- Chargeable by USB
- Receivers work with WIFI-RF converter to be controlled by smart phone

Product introduction

LC-2818 RGBW remote controller is full touch remote controller which has 8 different zones. It can get Red/ Green/ Blue/ White color directly. The remote controller can save up to 8 colors or 8 modes into corresponding buttons (1-8 buttons) for each zone. You can choose any color through color wheel. There is a USB port to charge internal battery.

Bottom



Parameter

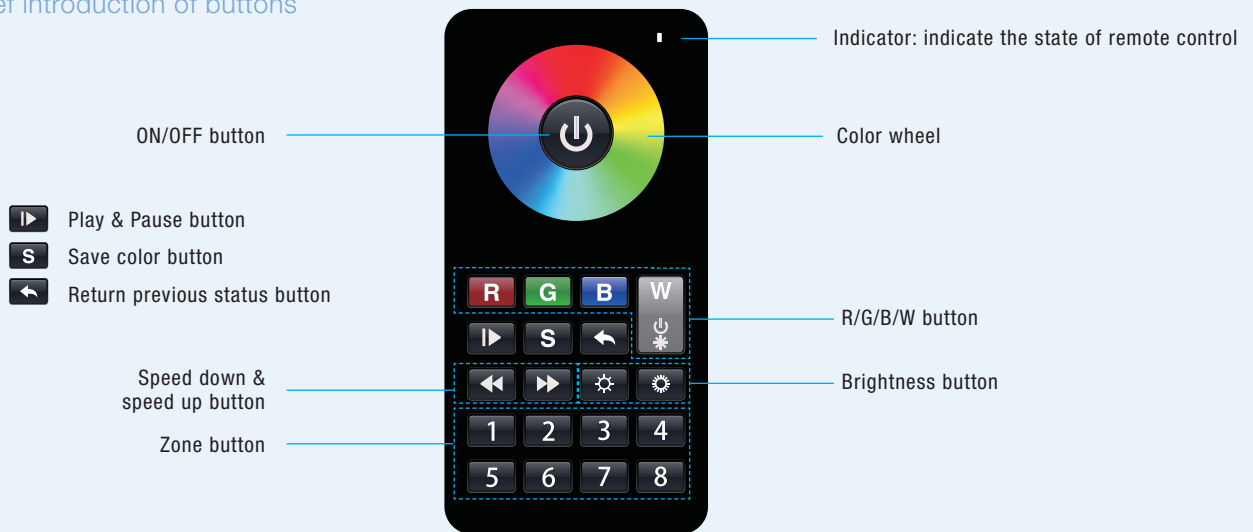
Remote

Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)	Remarks
LC-2818	3.6VDC	434MHz/868MHz	59x115x12	Lithium battery, USB charging capability

Receiver

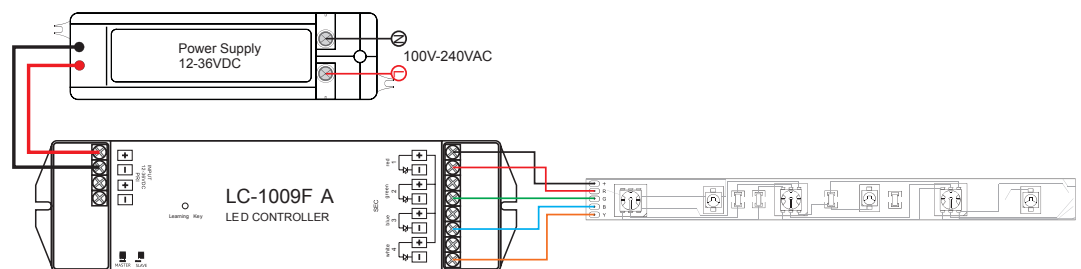
Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current

Brief introduction of buttons



Dijagram spajanja

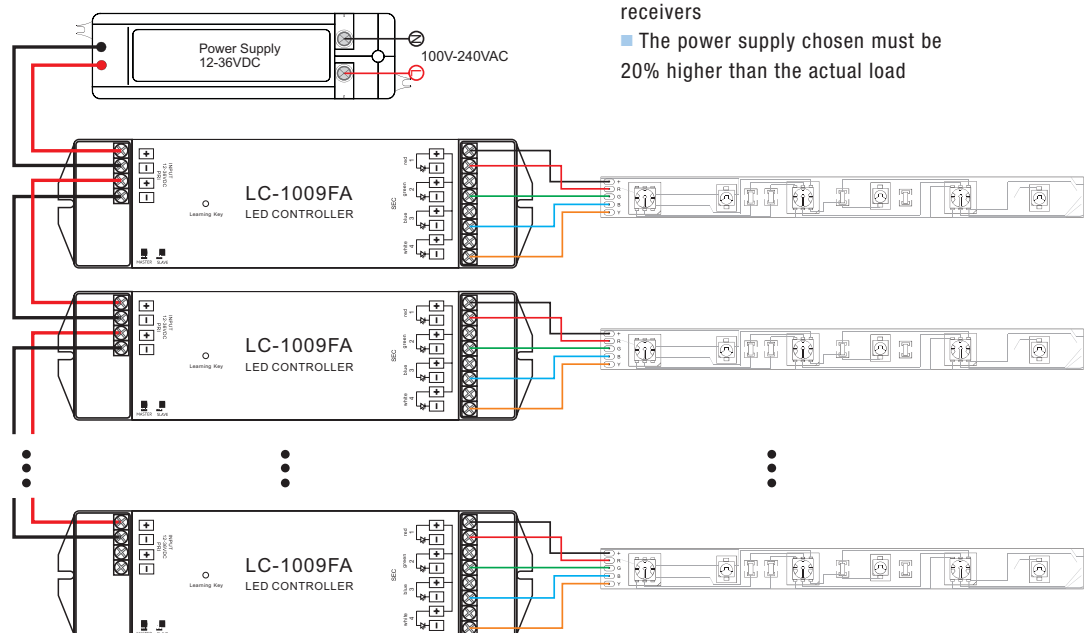
1) Receiver Connection Diagram for Single Unit



Note

- One receiver can work with 1-8pcs LC-2818
- One LC-2818 control multiple receivers
- The power supply chosen must be 20% higher than the actual load

2) Receiver Connection Diagram for Multiple Units



Operation

Learning (matching)

- Do wiring according to connection diagram
- Wake up the remote control by touching ON/OFF button.
- Press learning button on receiver.
- Touch any zone button on remote control.
- Then touch color wheel.
- Connected LED light will blink to confirm zone designation.
- Press at learning button on receiver over 5 seconds until LED light flash, then delete the learned ID.

Note 1: To choose a master from slaves by jumper for each zone. Short circuit for master. Open circuit for slave. Each zone only can set one master controller. After a period of time, the master will do synchronization operation to keep the same color or mode of all slaves in one zone.

Note 2: Each remote control 8 zones (areas) receivers, each area can be learned as many receivers as we can. Each receiver maximally can be controlled by 8 different remote controllers

RGBW Button

Touch **R G B W** button is to switch on/off of each corresponding color.

Hold your finger on **R G B W** button to dim brightness of each corresponding color. There are total 8 levels of brightness.

Note: If you press R, then press G, then it is mix color of R and G. If you want to get G color directly, please press R to switch off of R first. Then press G.



Running&Pause Button

a. Press pause&run **▶** button, mode will run. Press it once, it runs one mode. Press button again, it stops, then press one more time, it will enter next mode. There are total 10 build-in modes.

b. Pause&run button can work with **S** button, it can save modes into different zone.

c. Touch **1 2 3 4 5 6 7 8** button one by one, such as press button 1,2,3,4,5,6, then press **▶** button. 1,2,3,4,5,6 will run synchronized mode, after long press, LED lighting will flash twice, they will switch to chasing running mode, long press again to switch back.

Return button

Touch **◀** button to return previous color or running mode.

Speed up and Speed down Button

Touch **◀▶** button to speed down when mode is running, touch **▶▶** button to speed up when mode is running.

Brightness down or up button

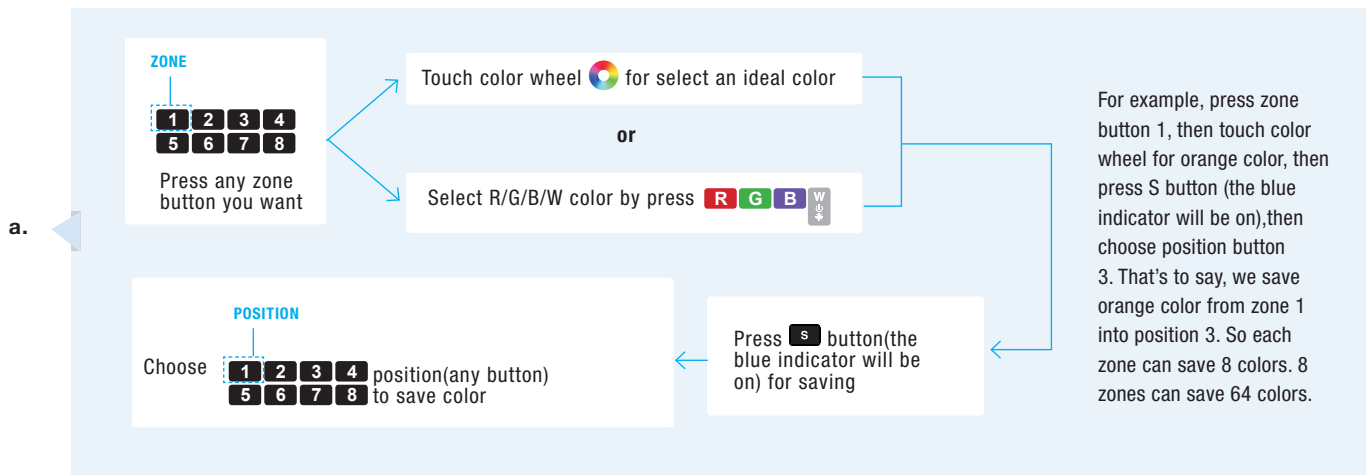
Long touch **⚙** button to dim down brightness of RGB channels, Long touch **⚙** button to dim up RGB channels.

“W” channel is separated from RGB channels, so we can only long touch button to dimming “W” channel.

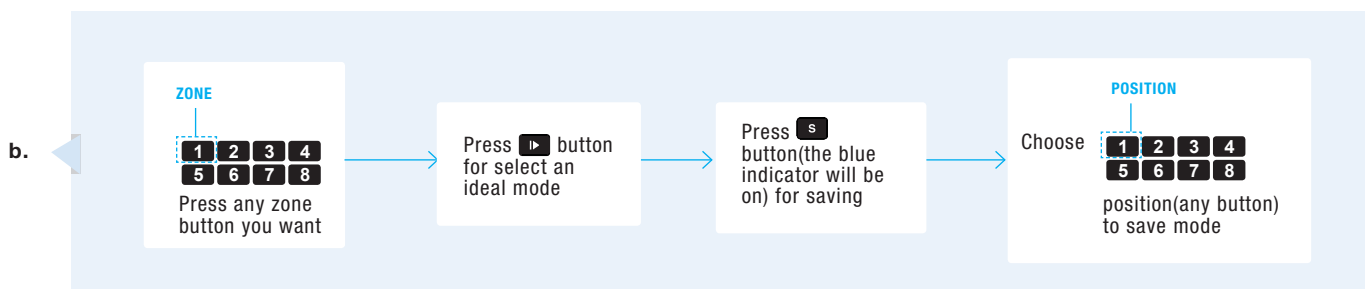


Save Button

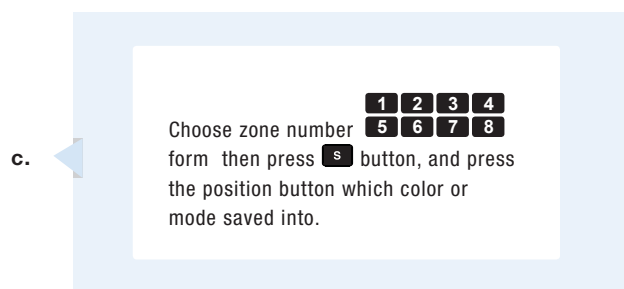
How to save color into different position per zone?



How to save mode into different position per zone?



Recall



Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

- 1) We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- 2) Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ RGBW Remote & Wifi transmitter receiver

Model: LC-1009FA, LC-1009EA, LC-1009FA3

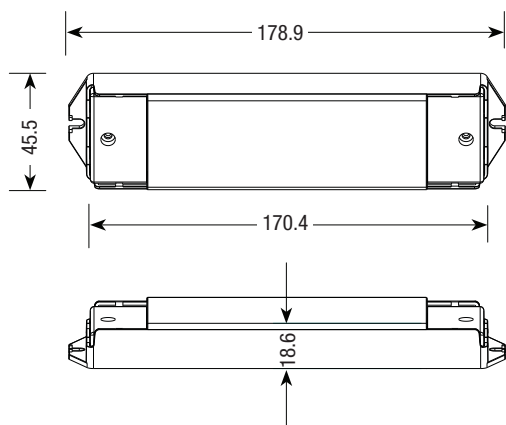


Features

- Work with different sender
- Work with WIFI transmitter
- Control RGBW, RGB, CC-CW, Single color LED lighting.

Product Size

Dimensions



ISO 9001:2008

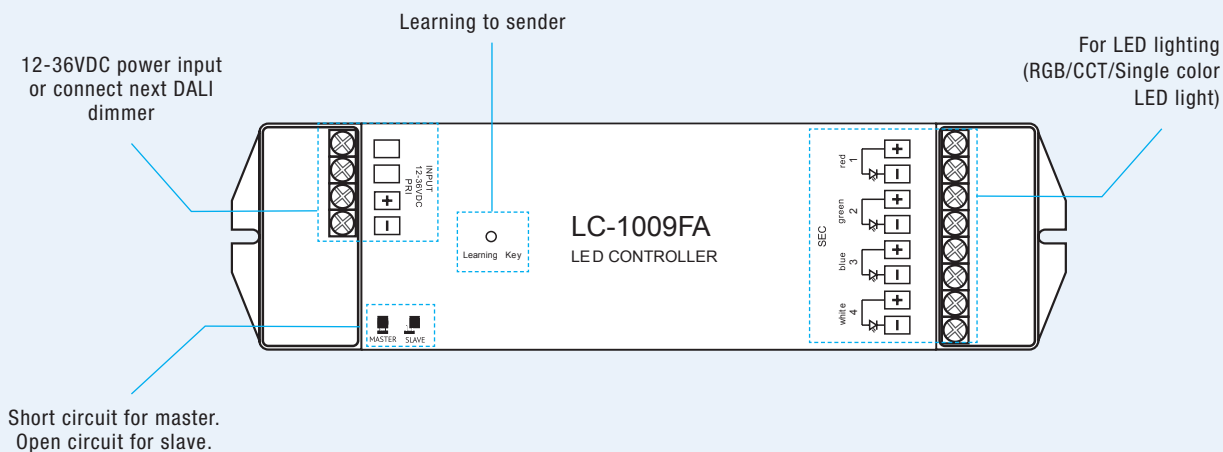
Parameter

Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current

Suitable sender

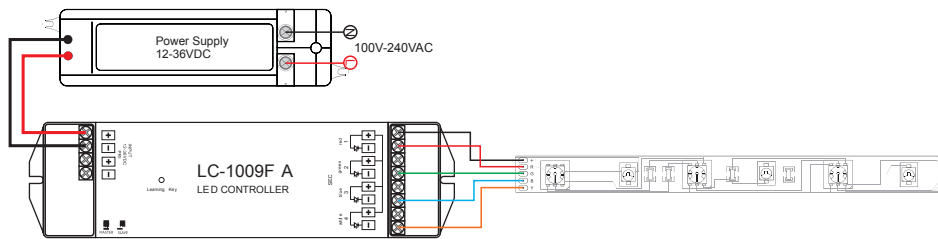
RGB+W remote	LC-2818, LC-2819, LC-2819S, LC-2819T
Dimmer remote	LC-2819S-DIM
RGB+W wall mounted panel	LC-2820, LC-2835RGB
CCT wall mounted panel	LC-2830B, LC-2835CDW
Dimmer wall mounted panel	LC-2833K1, LC-2835DIM, LC-2830A

Brief introduction of buttons

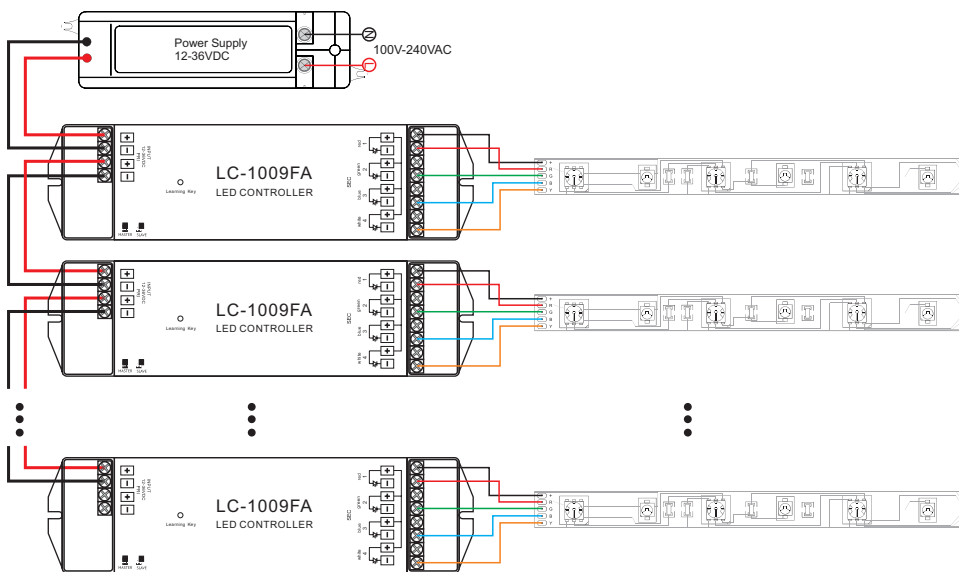


Dijagram spajanja

1) Receiver Connection Diagram for Single Unit



2) Receiver Connection Diagram for Multiple Units



Operation

Learning (matching)

- Do wiring according to connection diagram
- Wake up the remote control by touching ON/OFF button.
- Press learning button on receiver.
- Touch any zone button on remote control.
- Then touch color wheel.
- Connected LED light will blink to confirm zone designation.
- Press at learning button on receiver over 5 seconds until LED light flash, then delete the learned ID.

Note 1: To choose a master from slaves by jumper for each zone. Short circuit for master. Open circuit for slave.

Each zone only can set one master controller. After a period of time, the master will do synchronization operation to keep the same color or mode of all slaves in one zone.

Note 2: Each remote control 8 zones (areas) receivers, each area can be learned as many receivers as we can.

Each receiver maximally can be controlled by 8 different remote controllers.

Safety & Warnings

- The product shall be installed and serviced by a qualified person.
- IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- Please ensure that the cable is secured tightly in the connector.
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- Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

WITR WIFI signal transmitter IPA

Model: LC-2818

Performance parameters

- Operation voltage: 4.5VDC
- Operation frequency: 434MHZ / 868MHZ
- Battery: Lithium battery.

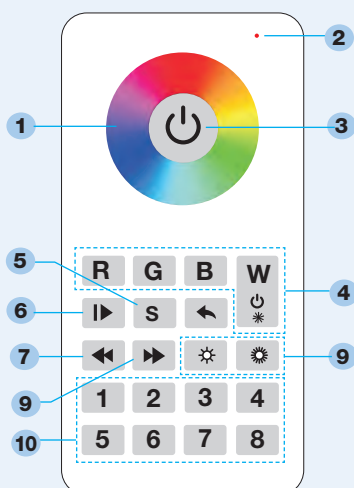
Brief introduction

LC-2818 RGBW remote controller is full touch remote controller which has 8 different zones. It can get Red/ Green/ Blue/ White color directly. The remote controller can save up to 8 colors or 8 modes into corresponding buttons (1-8 buttons) for each zone. You can choose any color through color wheel. There is a USB port to charge internal battery.



Brief introduction of buttons

- 1 Color wheel
- 2 Indicator
- 3 ON/OFF button
- 4 R/G/B/W button
- 5 Save color button
- 6 Play & Pause button
- 7 Return previous status button
- 8 Speed down & speed up button
- 9 Brightness button
- 10 Zone button



Operation

1. Do wiring according to connection diagram
2. Learning process
 - a. Wake up the remote control by touching ON/OFF button.
 - b. Press at learning button on receiver.
 - c. Touch any button on remote control.
 - d. Connected LED light will blink to confirm zone designation.
 - e. Press at learning button on receiver over 5 seconds until LED light flash, then delete the learned ID.

■ **Note:** To choose a master from slaves by jumper for each zone. Short circuit is to be slave. Open circuit is to be master. Each zone only can set 1 slave to be master. After a period of time, the master will do synchronization operation to keep the same color or mode of all slaves in one zone.

3. Touch **R G B W** button to switch on/off of each

corresponding color. Hold your finger on button to dim brightness of each corresponding color. There are total 8 levels of brightness.

■ **Note:** If you press R, then press G, then it is mix color of R and G. If you want to get G color directly, please press R to switch off of R first. Then press G.

4. Touch **▶** button to play mode or do pause operation of mode. There are 10 build-in modes in this button.
5. Touch **S** button for saving color or mode at 1-8 buttons. Each zone (Each receiver) can save 8 modes or 8 colors. Operation is show as below:

Touch **▶** button, mode is running----> touch



several or single zone button----> touch

S (over 2 seconds) to save program into zone. Touch color wheel to get any color you want----> touch

1 2 3 4

5 6 7 8 several or single zone button----> touch

S (over 2 seconds) to save color into zone.

If you want to play your saved color or mode, touch **S** , then touch saved zone number. Then it will play.

6. Touch **←** button to return previous color or running mode.

7. Touch **⏮** button to speed down when mode is running, touch **⏭** button to speed up when mode is running.

8. Touch **⚙** button to dim down whole brightness of LED lighting, touch **⏻** button to dim up whole brightness of LED lighting.

1 2 3 4

9. Touch **5 6 7 8** button one by one, such as press button 1, 2, 3, 4, 5, 6, then press **▶** button, then saved color or mode in button 1, 2, 3, 4, 5, 6, will run chasing mode one by one.



▪ RF Receiver IPA

Model: LC-1009Wii

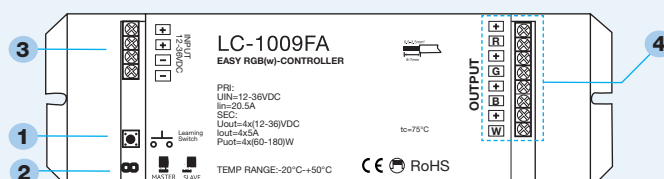


Performance parameters

- SIZE: 177x57mm
- Input voltage: 12-36VDC
- Output voltage: 12-36VDC
- LC-1009FA: 4 channels x 5A, 34channels x (60-180W)
- LC-1009F3: 4 channels x 350mA, 4 channels x (4.2-12.6W)
- LC-1006F7: 4 channels x 700mA, 4 channels x (8.4-25.2W)



Brief introduction of buttons



- 1 Learning button
- 2 Jumper
- 3 12-36VDC input
- 4 channels output

■ RF Wireless CCT Dimmer

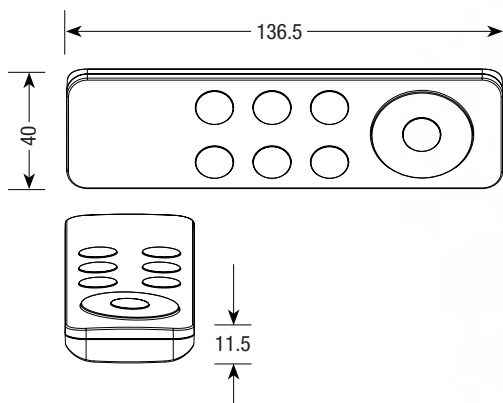
Model: LC-2803B

Features

- RF Wireless CCT Dimmer.
- Individually control up to 6 different zones independently or in a group.
- Dim WW and CW associatively, for example if WW is 70%, CW is 30%.
dim 6 zones separately or synchronously.

Product Size

Dimensions



Parameter

Remote

Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)	Remarks
LC-2803B	3.6VDC	434MHz/868MHz	39X136.5X10.7	Battery CR2025

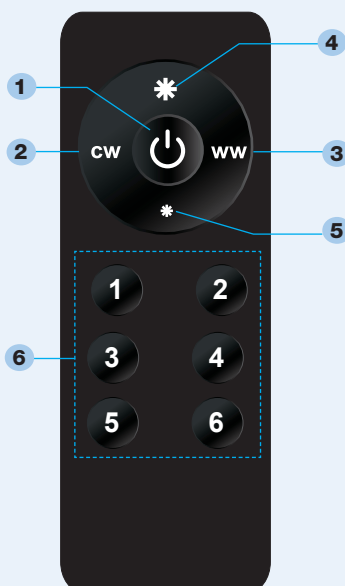
Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-2501M	12-36VDC	4x5A	4x(60-180)W	Constant voltage



Brief introduction of buttons

- 1 ON/OFF button
- 2 Control CW
- 3 Control WW
- 4 Turn Up your selected zones 'receives' (4 channels together) LED lights
- 5 Turn down your selected zones 'receives' (4 channels together) LED lights
- 6 Six zones



Operation

After you have wired all the receivers according to Figure illustration you need to do the following:

1. Pull off the plastic film cover of the battery at the back of remote.
2. If you use multiple receivers, you have 2 choices:
1) Have all receivers in the same zonelike Zone 1 for example
2) Have each receiver in a different zone,like Zone 1, 2, 3 and so on
3. In order for each receiver to know what Zone it belongs to, you will need to "pair" it to the zone you wish to use: short press the Learning Key on the receiver, and immediately short press the zone number (1-6) which you wish to use (for example 1).
Once you do that, the LED lights will blink once. Now your remote and receiver are paired!
4. Do the same for the other receivers if you use them.
This wireless receiver can work in any of the 6 zones. It has a special "Learning Key" that will enable you to pair it to any of the 6 zones in the wireless remote control. You can add as many optional receivers as you wish, to create up to 6 different control zones. Each zone can have an endless number of receivers.

Memory Reset:

In case you want to reset the memory of the receiver, press the learning function button for 10 seconds while the unit is being powered. The unit will then reset to factory defaults.

Re-Assign Zone:

Re assigning the receiver to a different zone is easy, just repeat Step 3 as above.

⏻ button to turn ON/OFF all zones' LED lights.

Long press the zone number for 3 seconds to turn OFF that zone separately (for example 1), and you can turn it ON only by long press that zone number again, but Not the power button.

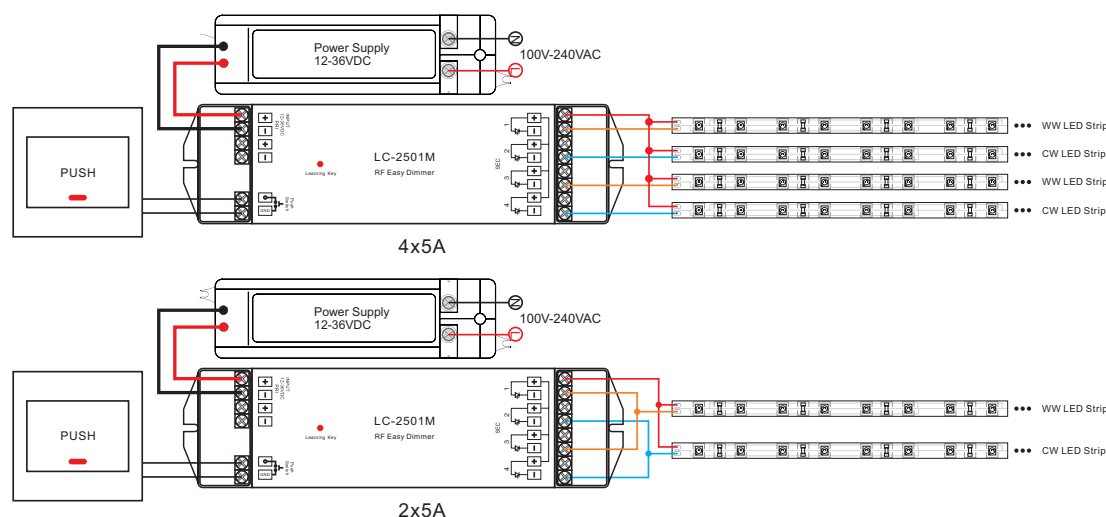
After ID learning between remote and receiver, press the zone number (for example 1) to select the zone you want to control.

Regarding LC-2803C saving color temperature, first choose CCT you like, short press S1, the light will be blink, it means you save this CCT to S1, then you also can save other 5 CCT to S2-S6. Just press S1-S6, can recall 6 CCT you saved separately.

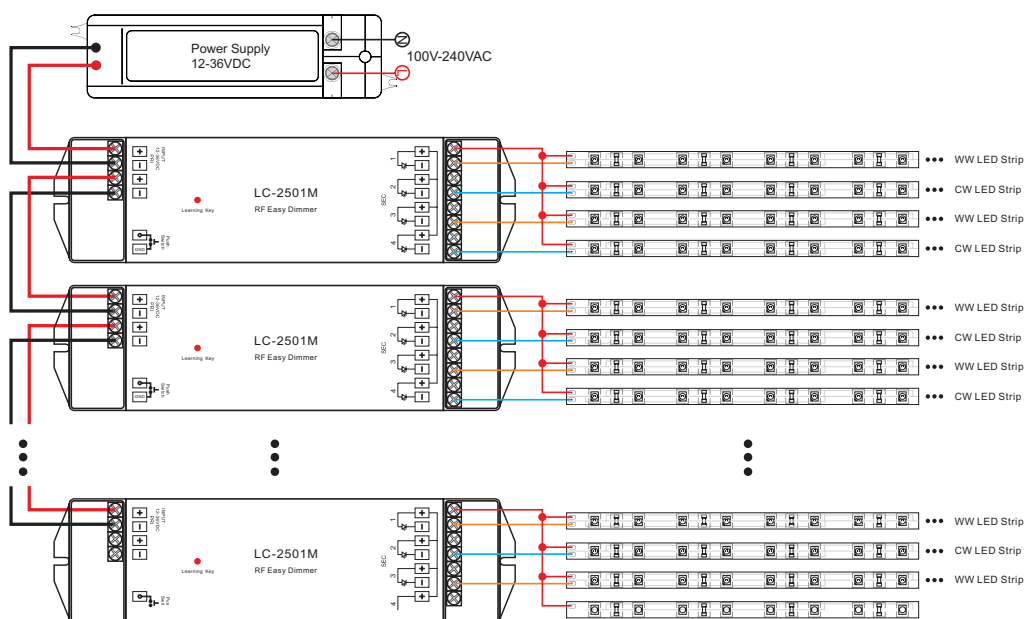
■ **Note:** If the max brightness is set by ⚙️, then, you can not turn UP beyond that max brightness by ⚙️.

Dijagram spajanja

1) Receiver Connection Diagram for Single Unit



2) Receiver Connection Diagram for Multiple Units



Note

- One receiver can work with 1-8pcs LC-2803B
- One LC-2803B control multiple receivers
- The power supply chosen must be 20% higher than the actual load



Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

- 1) We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- 2) Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.



Single Zone RF Wireless LED Dimmer

Model: LC-2828 with LC-2501N series

Features

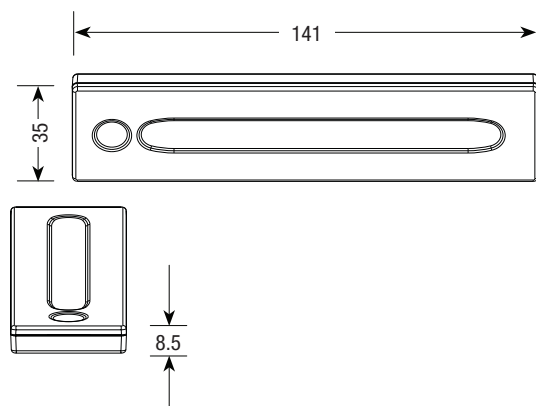
- The LC-2828 and its receiver is a Single Zone RF Wireless LED
- Dimmer for mono color LED.
- One remote can control endless of receivers in sync; One receiver can be controlled by max 8 remotes.



ISO 9001:2008

Product Size

Dimensions



Parameter

Remote


Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)	Remarks
LC-2828	3.6VDC	434MHz/868MHz	35x141x8.5	load 2pcs CR2025 batteries

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-2501N	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-2502N	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-2501NS	12-36VDC	1x8A	1x(96-288)W	Constant voltage

Operation

After you have wired all the receivers according to Figure illustration you need to do the following:

1. Pull off the plastic film cover of the battery at the back of remote.
2. Pair remote with receiver: short press the Learning Key on the receiver, then immediately . Once you do that, the LED lights will blink once. Now the remote and receiver are paired!
3. You can repeat step 4.2 to pair endless of receivers of to the remote, to control in sync.

Factory default Reset:

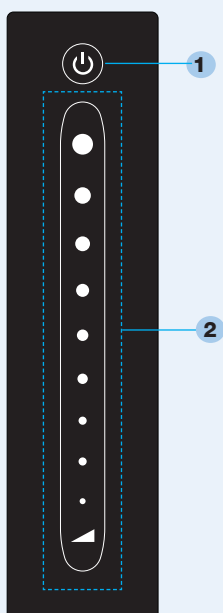
In case you want to do the factory default reset of the receiver, just hold Learning key for 10 seconds. Re-assign the receiver to a different remote is easy, just repeat Step 2. as above.



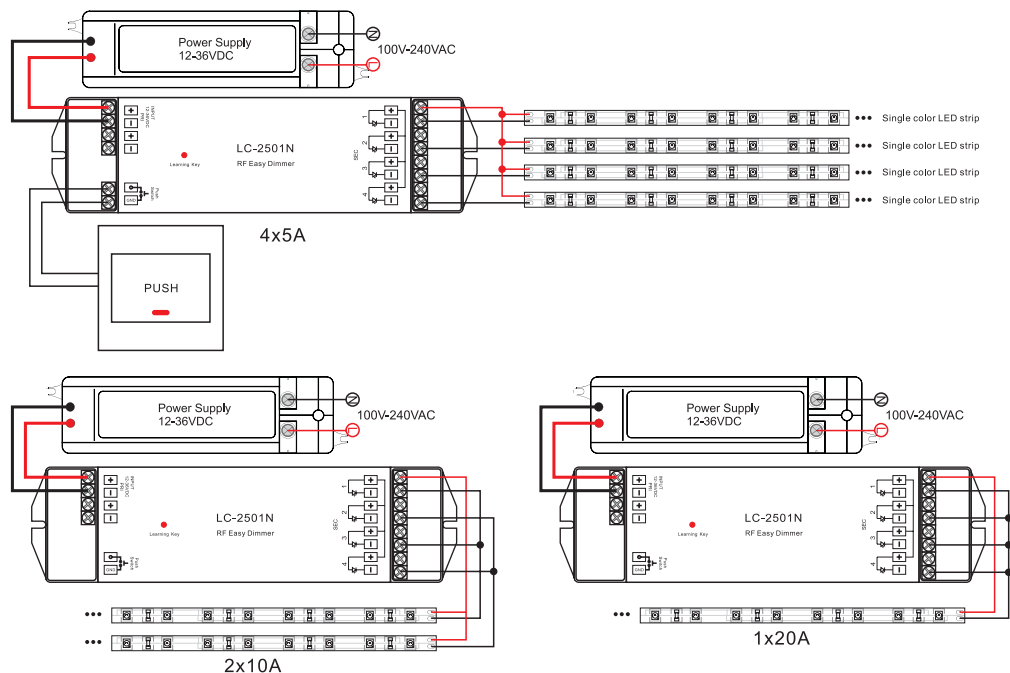
LC-2828 Back

Brief introduction of buttons

- 1 ON/OFF button
- 2 1-100% 256 levels smooth dimming range



Dijagram spajanja

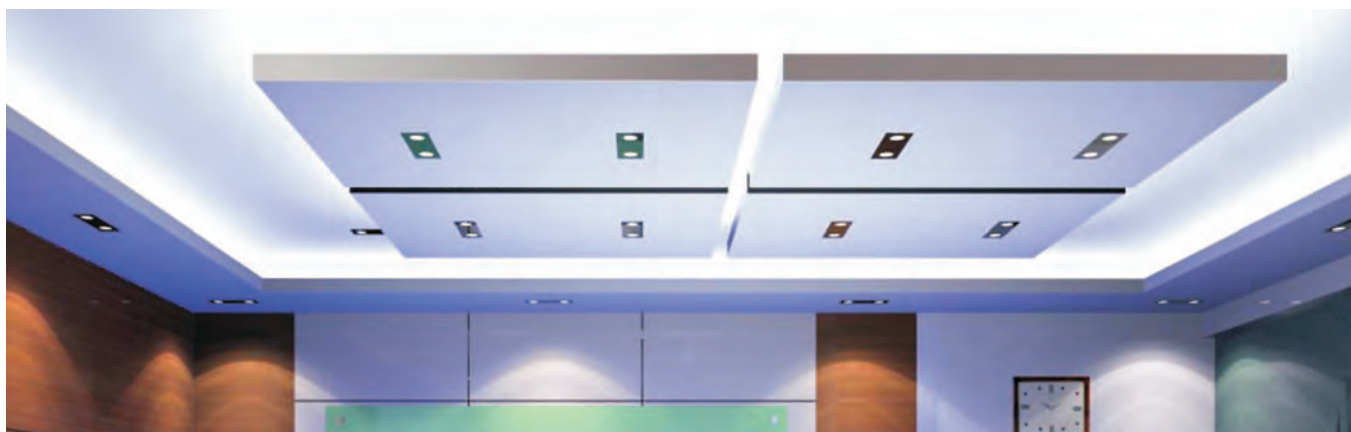


Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

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 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.



▪ Single Zone RF Wireless CCT Controller

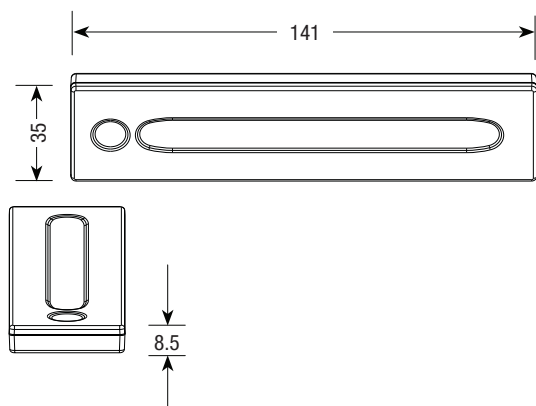
Model: LC-2828CCT with LC-2501M series

Features

- LC-2828CCT is RF touch dimmer with 256 levels logarithmic dimming from 1-100%, which is suitable for dimming CCT CW+WW two color led light.

Product Size

Dimensions



ISO 9001:2008

Parameter

Remote




Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)	Remarks
LC-2828CCT	3.6VDC	434MHz/868MHz	35x141x8.5	load 2pcs CR2025 batteries

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-2501N	12-36VDC	4x5A	4x(60-180)W	Constant voltage

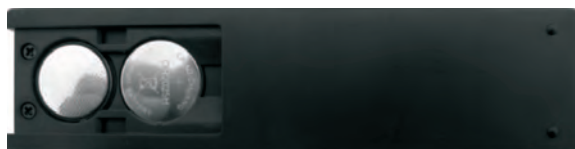
Operation

After you have wired all the receivers according to Figure illustration you need to do the following:

- Pull off the plastic film cover of the battery at the back of remote.
- Pair remote with receiver: short press the Learning Key on the receiver, then immediately short slide touch  Once you do that, the LED lights will flash. The remote and receiver are paired!
- Do the same step 2. to pair endless quantity of receivers to the remote, to control in sync.
- CCT & mono dim shift: hold  button for 5 seconds to shift the CCT and mono dim mode, then slide touch  to do the control.

Factory default Reset:

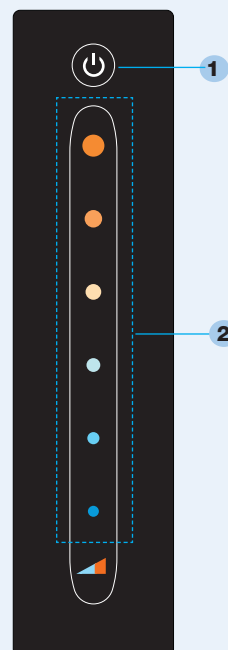
In case you want to reset the receiver: when receiver is powered, long press Learning Key for 10 secs.
Re assigning the receiver to a different remote is easy, just repeat Step 2. as above.



LC-2828CCT Back

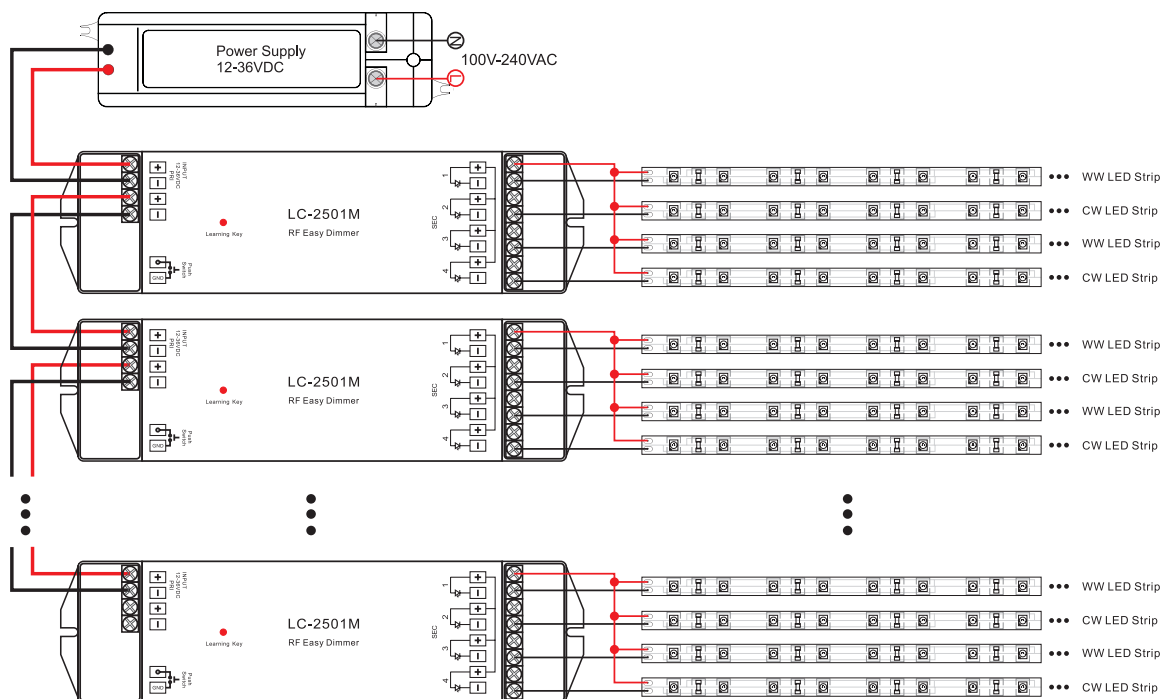
Brief introduction of buttons:

- ON/OFF button
- 1-100% smooth dimming range
- CCT & mono dim shift





Dijagram spajanja



Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
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- 2) Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ RF CDW Dimmer

Model: LC-2804 with LC-2501C series

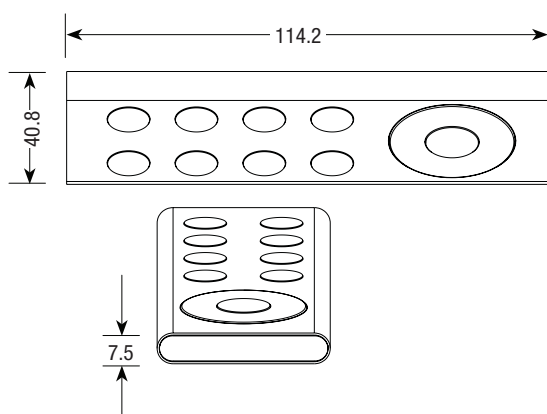


Features

- High sensitive & high stable Glass touch color wheel, fast & precise color control
- Ideal for natural white-warm white & cold white to achieve precise adjustment of color temperature and brightness
- Each white can achieve 256 levels brightness adjustment , so there are millions of color temperature optional Aluminum outer shell.
- Rechargeable, With USB charging port.
- Remote control with 20 meters control distance.
- Memory function, remember the last kelvin after turn off/ or cut off
- To work with power repeater to expand output unlimitedly
- Receivers can work with RF-WIFI converter after installing software on IOS and Android system.

Product Size

Dimensions



Parameter

Remote

Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)	Remarks
LC-2804	3.6VDC	434MHz/868MHz	40.8x114.2x7.5	USB charging

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-2501C	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-2501C	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-2501C	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-2501C	12-36VDC	4x700mA	4x(8.4-25.2)W	Constant current



Brief introduction of buttons:

1 Working status indicator, the sender is in dormant status when the indicator is off. The sender is under working when the indicator is flashing rapidly. If the indicator continues flashing at the frequency of 1 second, it indicates that the sender batteries low and needs to charge power.

2 Touch wheel for dim color temperature of WW, NW, CW.

3 ON/OFF button

4 Dim down the brightness of all channels

5 Dim up the brightness of all channels

6 Dim down the brightness of Warm white

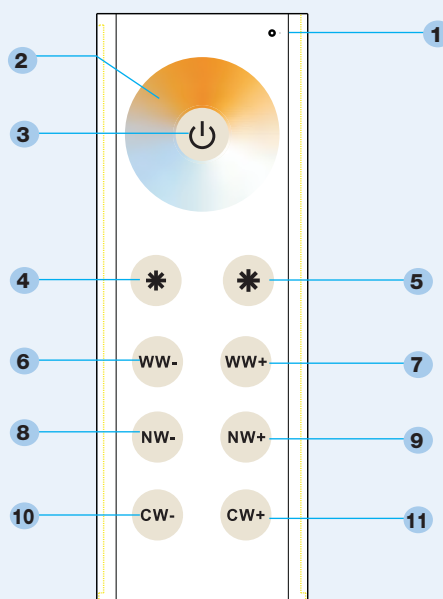
7 Dim up the rightness of Warm white

8 Dim down the brightness of Nature white

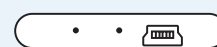
9 Dim up the brightness of Nature white

10 Dim down the brightness of Cold white

11 Dim up the brightness of Cold white

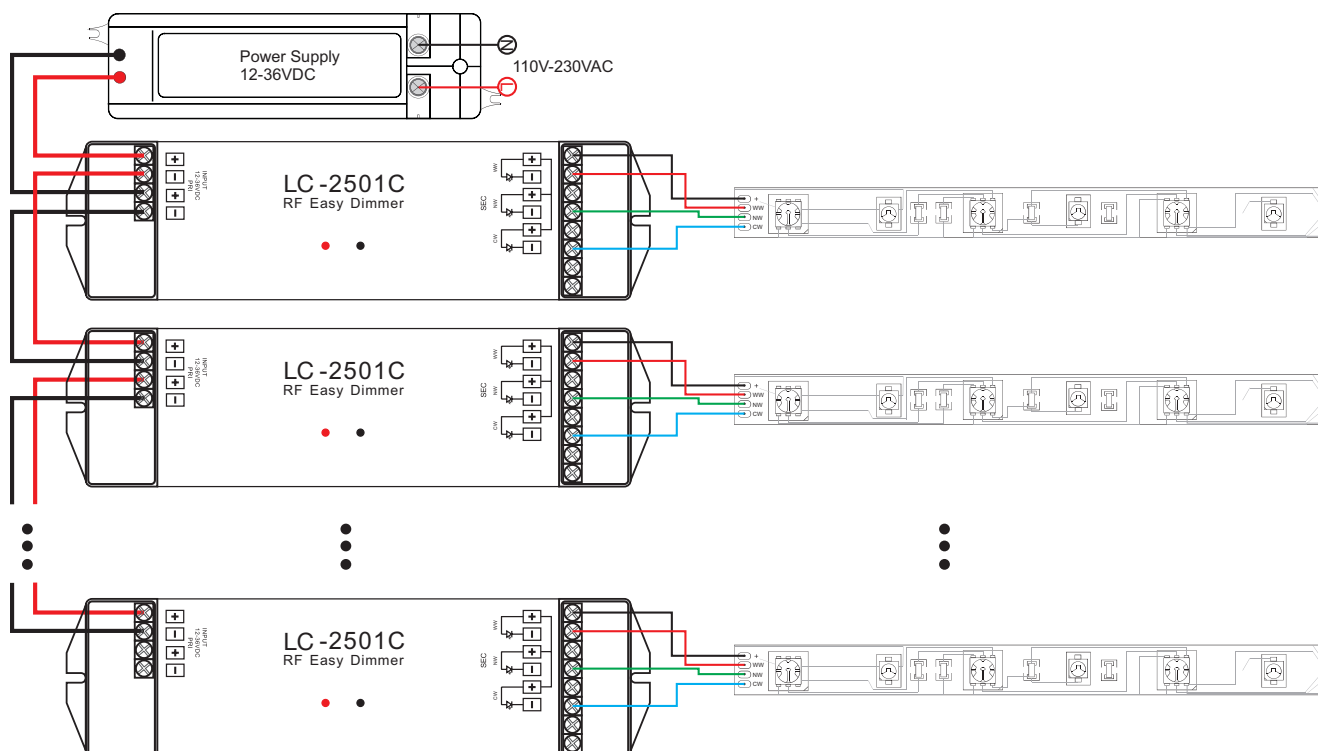


12 left indicator will be on when charging, middle indicator is for reset switch, right one is for USB socket.



12

Dijagram spajanja



Operation

1. Check the power is enough to work, and it is charged by USB line.

2. Receiver Learning ID

After connect with LEDs well, learning the ID of the receiver, the purpose of learning ID code is to make the receiver which can correspond the sender.

The method of Receiver learning ID is as follows: press the ID learning button ● on the receiver, the ID learning indicator ● is on, then press the color wheel on the sender, the indicator will flash a few times and then turns off, then receiver ID is activated. If the ID activation is failed at the first time, please repeat the previous procedures.

3. Touch the color wheel ● to get the color temperature you want.

4. Adjust the integral brightness via ● ●

5. Adjust the respective brightness of WW, NW and CW by

● ● ● ● ● ●, also mix the color you want through any of the 6 keys.

6. Working status indicator ● on the sender will be in dormant status after 10S.

Suitable for kinds of single color projects!

Safety & Warnings

1) The product shall be installed and serviced by a qualified person.

2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.

3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.

4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.

5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.

6) Please ensure that the cable is secured tightly in the connector.

7) For update information please consult your supplier.

Warranty Agreement

1) We provide lifelong technical assistance with this product:

- 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
- For faults beyond the 3-year warranty we reserve the right to charge for time and parts.

2) Limited Warranty

- Any defects caused by wrong operation.
- Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
- Any damages due to transportation, vibration etc. after purchase.
- Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
- Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
- Product has been updated

3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

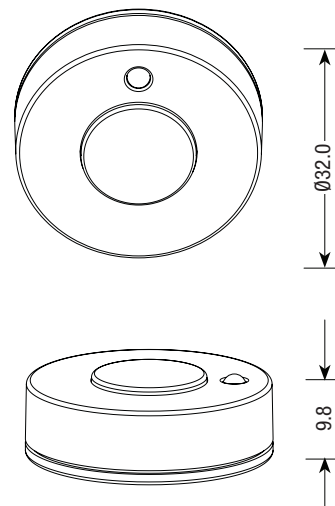
1 Zones Mini RF Single Color LED Dimmer

Model: LC-2807

- Mini RF wireless dimmer
- Battery include with remote
- On/Off function
- Memory Function



Product Size
Dimensions



Features

- Reliable&stable switch and dimming control function.
- Battery in the remote is with long life span.
- Switch on/off lightings slowly,without any flash,meet the comfort of human eyes.
- Dimming range:0.1-100%
- Use with power repeater to expand the output power unlimitedly.
- One zone controlled, but can be set endless receivers, each receiver can be controlled by 8 different remotes.
- Enable be dimmed and ON/OFF by push button after connecting receivers.
- Receivers can work with RF-WIFI converter after installing software on IOS and Android system.

Parameter

Remote

Part No.	Operation Voltage	Operation Frequency	Battery
LC-2807	3.6VDC	434MHz/868MHz	Cr2025

Receiver

Part No.	Input Voltage	Current	Output	Dimensions output ø/h (mm)
LC-2501N	12-36VDC	4x5A	4x(60-180)W	46x178x18
LC-2502N	12-36VDC	4x0.35A	4x(4.2-12.6)W	46x178x18
LC-2501NS	12-36VDC	1x8A	1x(96-288)W	33x82x20



Operation

After you have wired all the receivers according to Figure illustration you need to do the following:

1. You need pair the receiver and remote by pressing the Learning Key once on the remote,then the power/dim button on your remote,Your light will blink once,signify that your receiver and remote are paired
2. Now you are able to dim and power on and off your lights. To power on or off your lights,simply press once.This will turn on and off your lights with a subtle fading effect.To dim your lights,hold and press down on ,you will notice a gradual change to either a brighter or dimmer light.



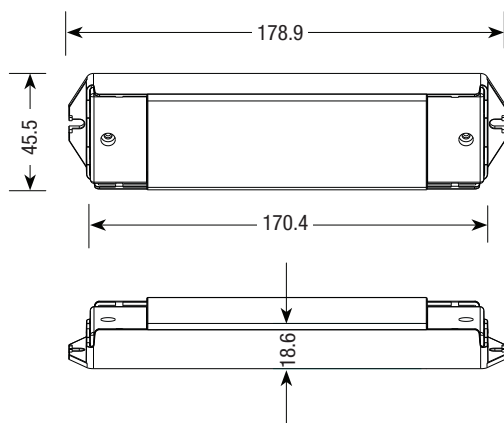
■ Dimmer receiver

Model: LC-2501M, N, NS, C, RGB, LC-2502N



Product Size

Dimensions



Features

- Work with different sender
- Dim WW and CW, CCT, RGB

Parameter

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-2501M	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-2501N	12-36VDC	4x8A	4x(60-180)W	Constant voltage
LC-2502N	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-2501M	12-36VDC	1x8A	1x(96-288)W	Constant voltage
LC-2501RGB	12-36VDC	4x5A	4x(60-180)W	Constant voltage

■ RF DIM Panel Dimmer

Model: LC-2805D

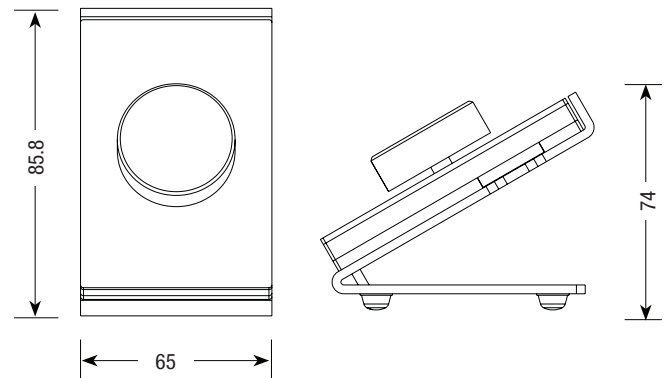


Features

- LC-2805D is portable rotary RF dimmer with 256 levels logarithmic dimming from 0.1-100%.
- Simple and friendly use for dimming and switching ON/OFF for 1zone controlled.

Product Size

Dimensions



Operation

Please pair remote and receiver, after finishing connecting receivers with LED lights correctly, base on diagram above.

1. Press shortly the learning Key ● on the receiver, then push the rotary button ●. Once successfully learn, the LED lights will blink on the receiver. Do the same for the other receivers if you use them, you can add as many optional receivers as you want.

2. Short push rotary button ● to switch ON/OFF. Adjust dim brightness by the rotary button from left to right 1-100%.

Adjust dim brightness by the rotary button from right to left 100-1%.

Parameter

Remote

Part No.	Operation Voltage	Operation Frequency	Remarks
LC-2805D	3VDC	434MHz/868MHz	RF Wireless

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-2501N	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-2502N	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-2501NS	12-36VDC	1x8A	1x(96-288)W	Constant voltage

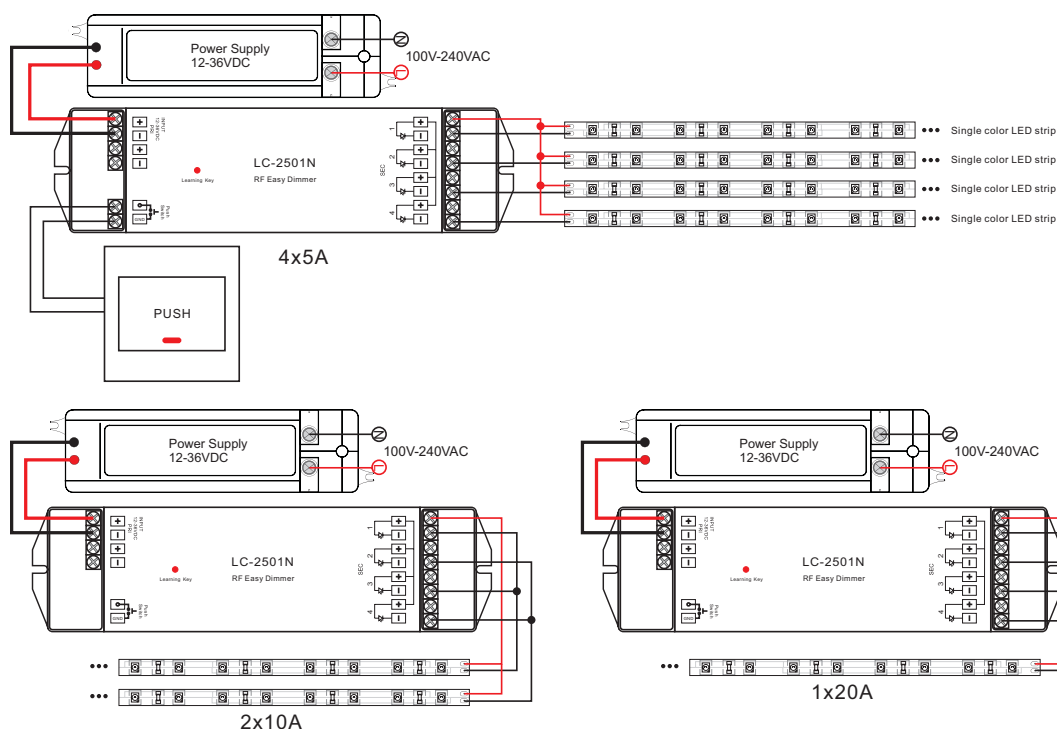
Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

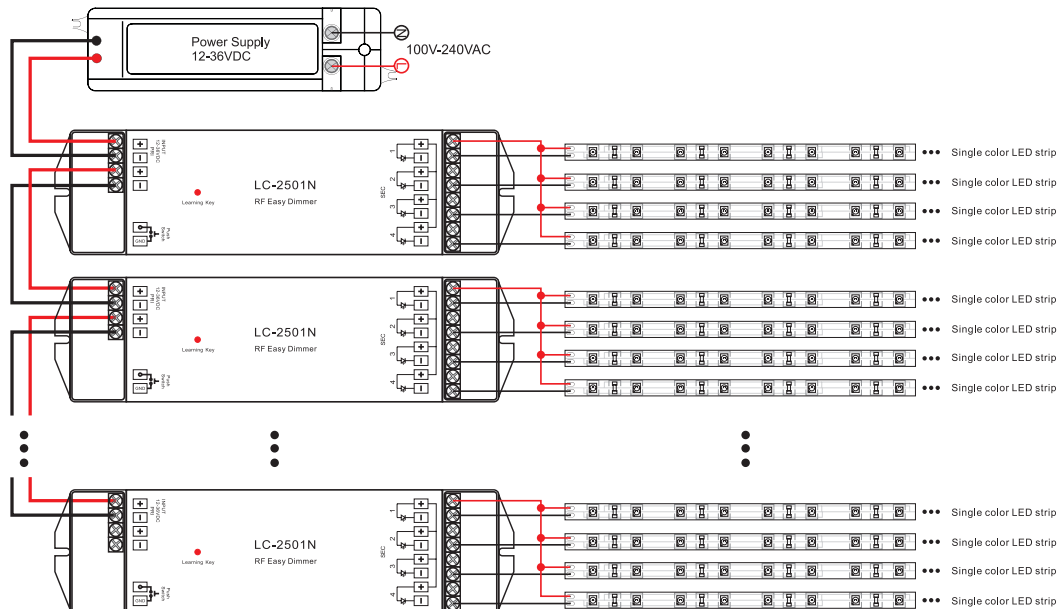


Dijagram spajanja

1) Receiver Connection Diagram for Single Unit



2) Receiver Connection Diagram for Multiple Units



Warranty Agreement

1) We provide lifelong technical assistance with this product:

- 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
- For faults beyond the 3-year warranty we reserve the right to charge for time and parts.

2) Limited Warranty

- Any defects caused by wrong operation.

- Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
- Any damages due to transportation, vibration etc. after purchase.
- Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
- Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
- Product has been updated

3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

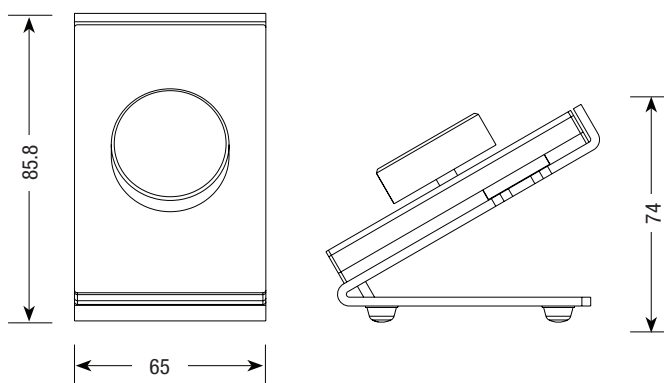
Panel RF RGB Dimmer

Model: LC-2805DRGB



Product Size

Dimensions



Parameter

Remote

Part No.	Operation Voltage	Operation Frequency	Remarks
LC-2805DRGB	3VDC	434MHz/868MHz	RF Wireless

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-2501RGB	12-36VDC	4x5A	4x(60-180)W	Constant voltage

Features

- LC-2805DRGB is wall rotary RF dimmer with 256 levels logarithmic dimming from 1-100%, which is suitable for dimming /RGB(W) led light.
- Simple and friendly use for dimming and switching ON/OFF for 1zone controlled.

Operation:

Please pair remote and receiver, after finishing connecting receivers with LED lights correctly, base on diagram above.

1. Press shortly the learning Key ● on the receiver, then push the rotary button ●. Once successfully learn, the LED lights will blink on the receiver. Do the same for the other receivers if you use them, you can add as many optional receivers as you want.

2. Short push rotary button ● to switch ON/OFF
Adjust dim brightness by the rotary button from left to right 1-100%

Adjust dim brightness by the rotary button from right to left 100-1%

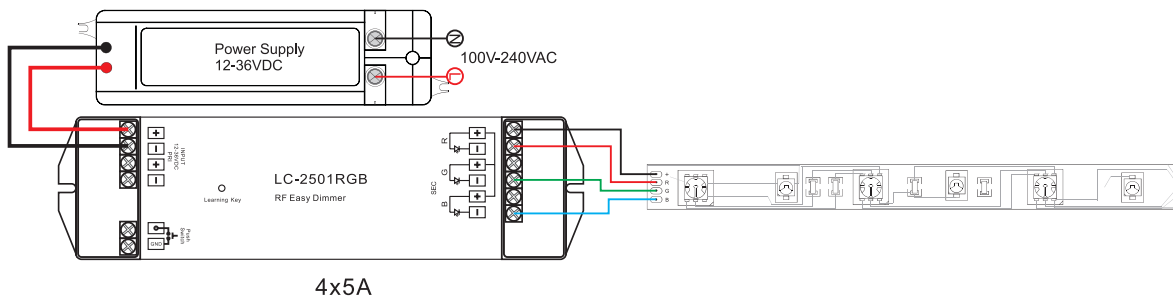
Long press rotary button, the light will be 100% brightness

Double click rotary button, it will change color of RGB light. Double click again, will enter into dimming brightness mode.

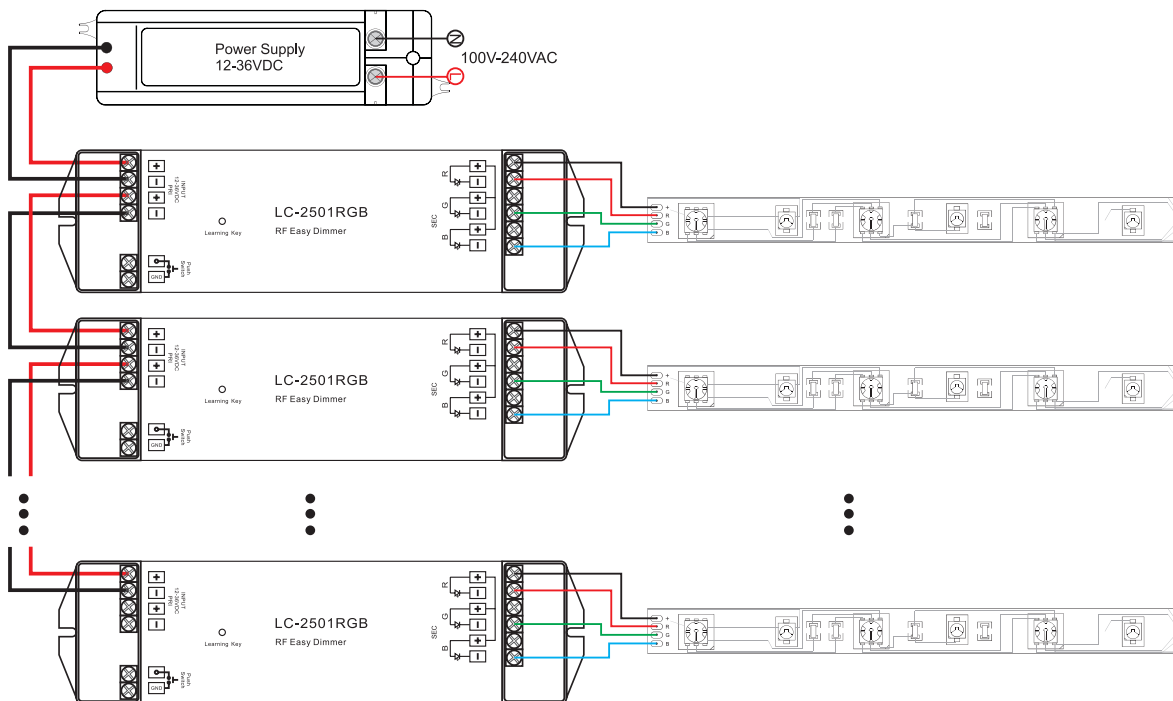


Dijagram spajanja

1) Receiver Connection Diagram for Single Unit



2) Receiver Connection Diagram for Multiple Units



Warranty Agreement

1) We provide lifelong technical assistance with this product:

- 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
- For faults beyond the 3-year warranty we reserve the right to charge for time and parts.

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- Any damages due to transportation, vibration etc. after purchase.
- Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
- Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
- Product has been updated

3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

▪ RF wireless wall mounted RGB/W controller

Model: LC-2820 (Black&White)

Features

- Touch sensitive
- Glass interface(White & Black)
- Control 4 zones synchronously and separately
- Save up to 4 color/modes in each zone



Parameter

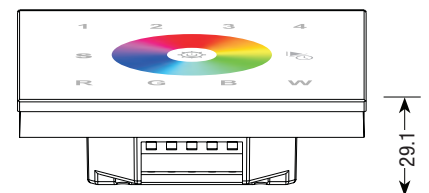
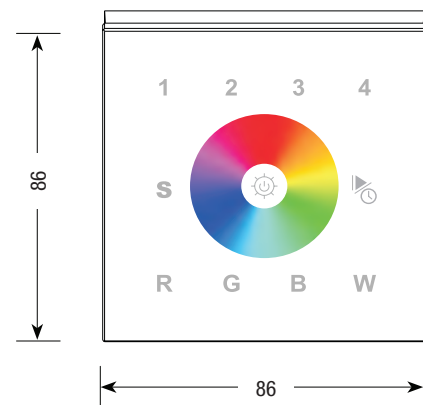
Remote

Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)	Remarks
LC-2820	12-24VDC/100-240VAC	434MHz/868MHz	86x86x29.1	Touch Sensor

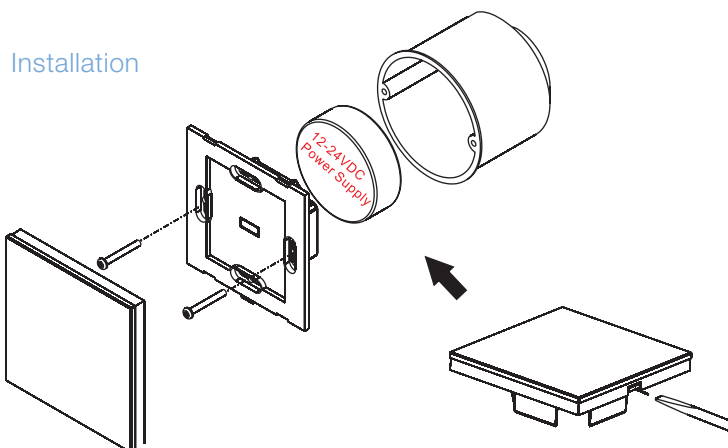
Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current

Product Size Dimensions

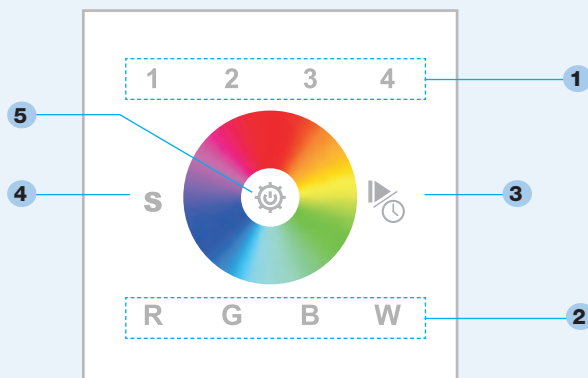


Installation



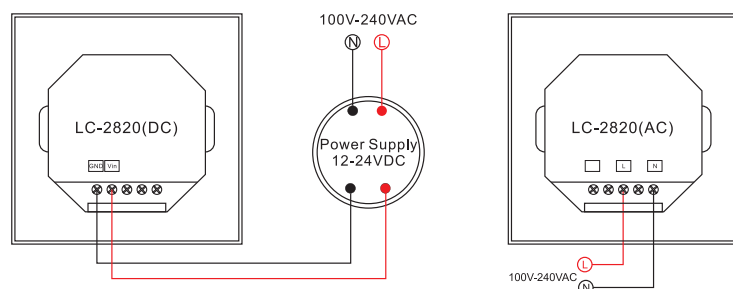
Brief introduction of buttons

- 1 Button 1,2,3,4 are zone numbers
- 2 R/G/B/W are 4 colors. Short press is to get direct color, such as red, green, blue, white. Long press is to dim red color, green color, blue color, white color.
- 3 **short press:** starting running mode or pause mode, there are 10 bulid-in modes.
long press: press zone button (1 or 2 or 3 or 4), then do long press on button which is to adjust running speed.
- 4 S button is for saving color or mode.
- 5 **short press:** switch on/off of lighting
long press: press zone button (1 or 2 or 3 or 4), then do long press on "ON/OFF" button, which is to dim brightness of any zone.

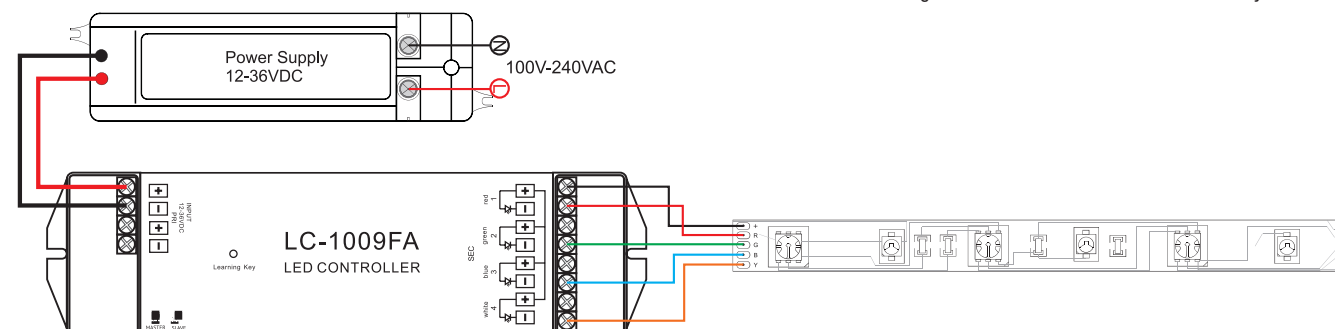


Dijagram spajanja

1) Sender Connection Diagram



2) Receiver Connection Diagram for Single Unit



Operation

1. Do wiring according to connection diagram

2. Learning process

- a. Wake up the panel by touching ON/OFF button.
- b. Press at learning button on receiver.
- c. Touch any zone button on panel.
- d. Then touch color wheel.
- e. Connected LED light will blink to confirm zone designation.
- f. Press at learning button on receiver over 5 seconds until LED light flash, then delete the learned ID.

Note: To choose a master from slaves by jumper for each zone.

Short circuit for master.

Open circuit for slave.

Each zone only can set 1 slave to be master. After a period of time, the master will do synchronization operation to keep the same color or mode of all slaves in one zone.

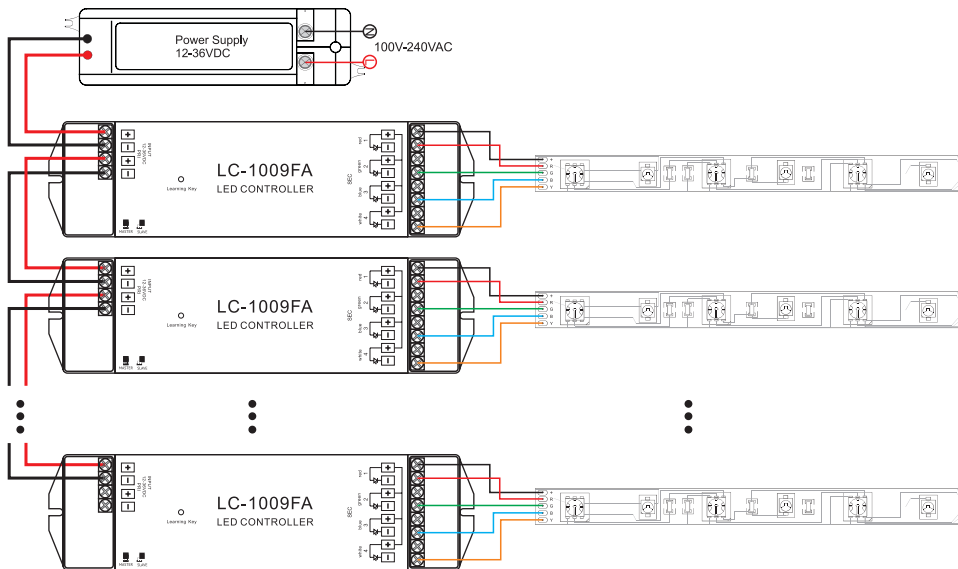
3. How to save color or mode

Button can save the color from mode or save color when you touch color wheel.

In "S" button, it saved "R/ G/ B" 3 colors in default. But with your operation, you can save another 3 colors replace those R/G/B colors.

Press any zone button----> press play/pause button, mode runs, see favorite mode----> press S button over 3 seconds until connected light flashes. Then it saved successfully. Press any zone button----> touch color wheel, see favorite color----> press S button over 3 seconds until connected light flashes. Then it saved successfully.

3) Receiver Connection Diagram for Multiple Units



Note

- One receiver can work with 1-8pcs LC-2820
- One LC-2820 control multiple receivers
- The power supply chosen must be 20% higher than the actual load



Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

- 1) We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- 2) Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

▪ Wall mounted RGB/W DMX512 controller

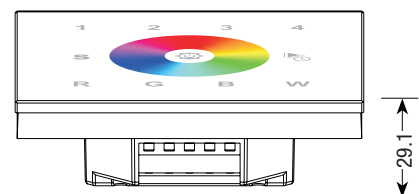
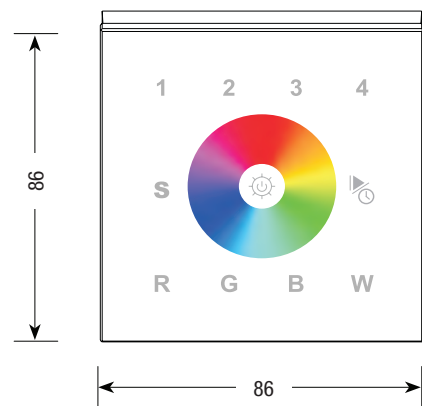
Model: LC-2812

Product Size
Dimensions

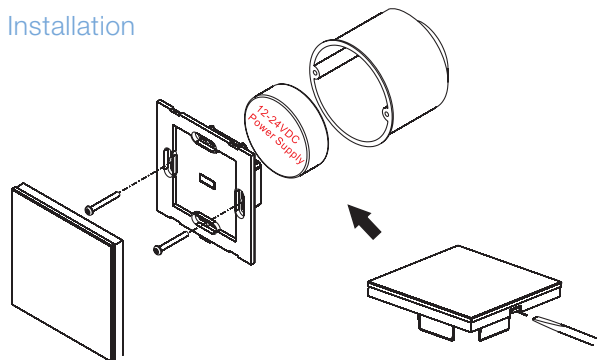


Features

- Touch sensitive
- Glass interface(White & Black)
- Control 4 zones synchronously and separately
- Save up to 4 color/modes in each zone



Installation

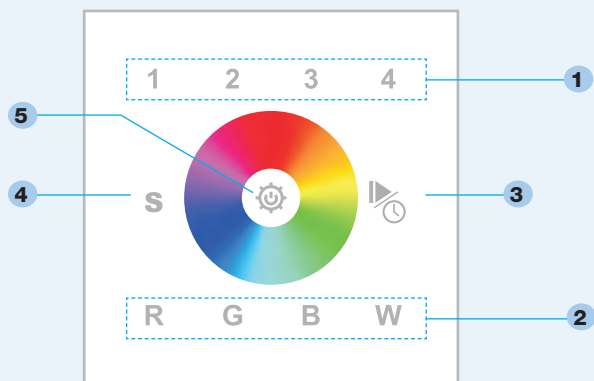


Parameter

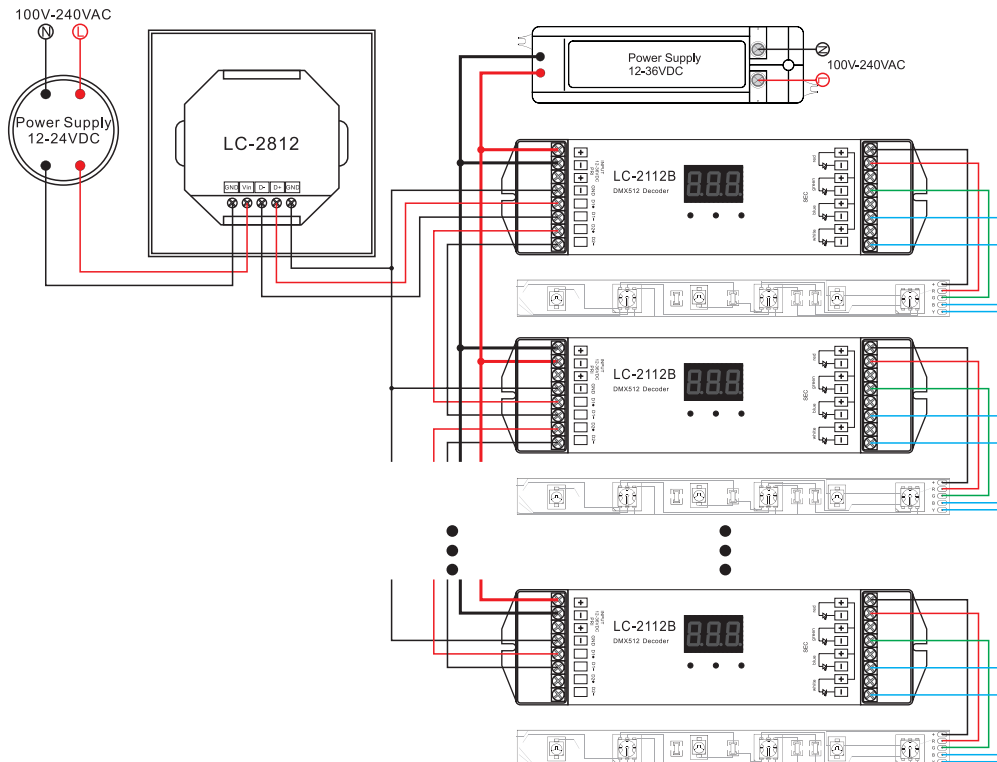
Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)
LC-2812	12-24VDC	434MHz/868MHz	86x86x29.1

Brief introduction of buttons

- 1 Button 1,2,3,4 are zone numbers
- 2 R/G/B/W are 4 colors. Short press is to get direct color, such as red, green, blue, white. Long press is to dim red color, green color, blue color, white color.
- 3 **short press:** starting running mode or pause mode, there are 10 bulid-in modes.
long press: press zone button (1 or 2 or 3 or 4), then do long press on button which is to adjust running speed.
- 4 S button is for saving color or mode.
- 5 **short press:** switch on/off of lighting
long press: press zone button (1 or 2 or 3 or 4), then do long press on "ON/OFF" button, which is to dim brightness of any zone.



Dijagram spajanja



Operation

a. How to operate zone button

Each zone will get 4 addresses. Such as button one is address from 1-4, then button 2 is 5-8. Button 3 is 9-12, button 4 is 13-16. There are total 16 addresses. Zone 1 address is from 1 - 4. Address .Zone 2 address is from 5 - 8. Zone 3 address is from 9 - 12. Zone 4 address is from 13 - 16.

Take zone 1 as an example, address 1 indicates the channel of "R" (red); address 2 indicates the channel of "G" (green); address 3 indicates the channel of "B" (blue); address 4 indicates the channel of "W" (white / yellow / any color). So do the address from zone 2,3,4 (address: 5-8, 9-12, 13-16).

We control DMX controllers of each zone by different DMX address.

Note: the address of zone 1 is fixed from 1-4; the address of zone 2 is fixed from 5-8; the address of zone 3 is fixed from 9-12; the address of zone 4 is fixed from 13-16. So we only can change the address of DMX decoder, then corresponding zone can control DMX decoder separately or synchronously.

b. How to save color or mode

S Button can save the color from mode or save color when you touch color wheel.

In "S" button, it saved "R/ G/ B" 3 colors in default. But with your operation, you can save another 3 colors replace those R/G/B colors.

Press any zone button----> press ► button, mode runs, see favorite mode----> press "S" button over 3 seconds until connected light flashes. Then it saved successfully.

Press any zone button----> touch color wheel, see favorite color----> press "S" button over 3 seconds until connected light flashes. Then it saved successfully.

Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

- 1) We provide lifelong technical assistance with this product:

- 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.

- For faults beyond the 3-year warranty we reserve the right to charge for time and parts.

- 2) Limited Warranty

- Any defects caused by wrong operation.

- Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.

- Any damages due to transportation, vibration etc. after purchase.

- Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.

- Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.

- Product has been updated

- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ Wall mounted RGB/W DMX512 controller

Model: LC-2811DMX



Features

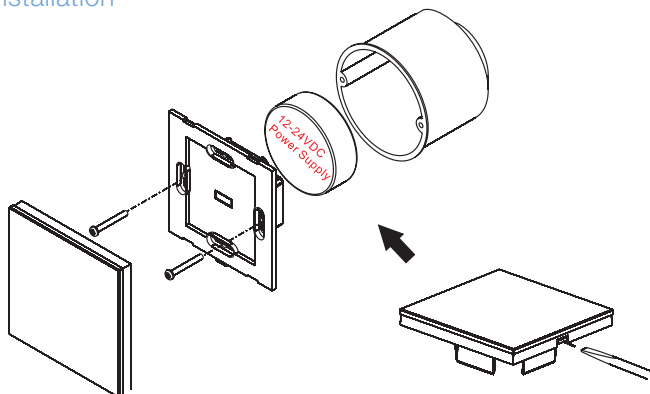
- 1 zone
- Touch sensitive
- Glass interface(White & Black)
- Save color and mode function



Parameter

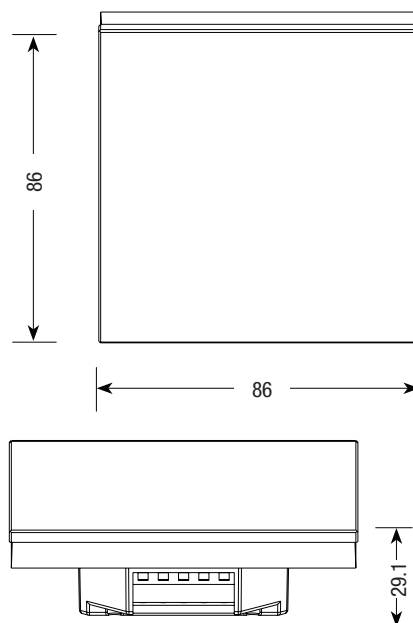
Part No.	Input Voltage	Output	Dimensions ø/h (mm)
LC-2811	12-24VDC	DMX512 Signal	86x86x29.1

Installation

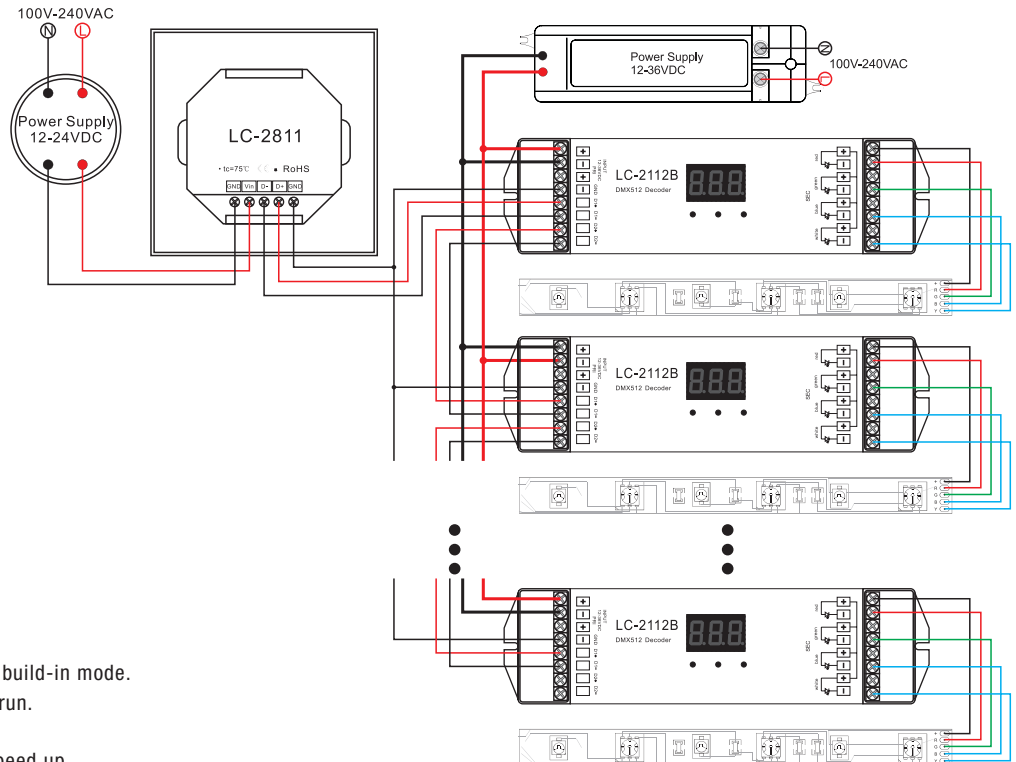


Product Size

Dimensions



Dijagram spajanja



Operation

1.

▶ Play&pause button. There is only 1 build-in mode. When you touch ▶ this button, it will run.

⚙ Brightness ◀ Speed down ▶ Speed up

Ⓢ Button can save the color from mode or save color when you touch color wheel. In “S” button, it saved “R/ G/ B” 3 colors in default. But with your operation, you can save another 3 colors replace those R/G/B colors.

When you press ▶ this button, 1 build-in mode will run, if now you see a favorite mode, then you can press “S” button for 5 seconds until connected lighting flashes. Then it saved successfully.

When you touch color wheel, if you touch a favorite color on it, then you want to save it, then you press “S” button for 5 seconds until the connected lighting flashes. Then it saved successfully.

⚙ For Warm white, Natural white, Cool white changing. (Through the three RGB color mixing)

Touching wheels

⏻ Switch off and on, long press means default setting

Ⓡ Ⓢ Ⓟ Ⓢ Short press means switch on and off for each channel. 1st Long press means brightness+, 2nd Long press means brightness—.

At the corner of the panel there is a signal light, Blue means on, Red means off.

2. Set the address

One 2811DMX has 40 addresses, 001 005 009 013037.

001=1,2,3,4=RGBW

005=5,6,7,8=RGBW

009=9,10,11,12=RGBW

.....

037=37, 38, 39, 40=RGBW

We may set any address(same or different) from 001 005 009-037.

Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

1) We provide lifelong technical assistance with this product:

- 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
- For faults beyond the 3-year warranty we reserve the right to charge for time and parts.

2) Limited Warranty

- Any defects caused by wrong operation.
- Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
- Any damages due to transportation, vibration etc. after purchase.
- Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
- Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
- Product has been updated

3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

DMX512 Master CDW Wall Control Panel

Model: LC-2201



Features

- DMX512 Signal
- Glass Wall Touch Control
- CDW (all white color)
- D- GND
- White & black



Parameter

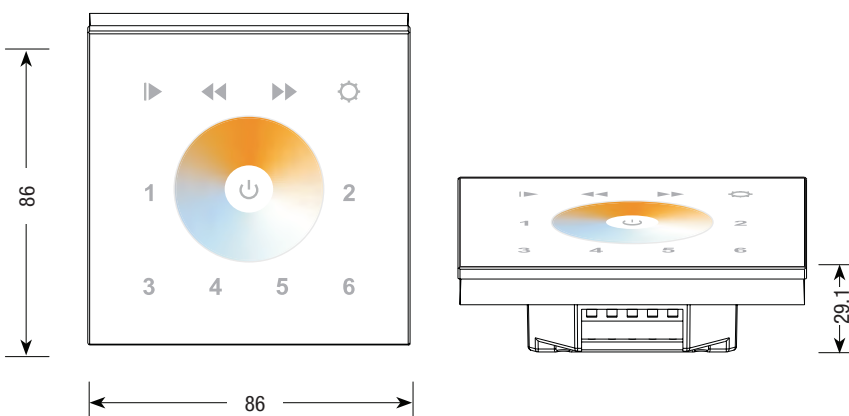
Part No.	Operation Voltage	Output	Dimensions ø/h (mm)
LC-2201	12-24VDC	DMX512 Signal	86x86x29.1

Corresponding DMX512 Decoder

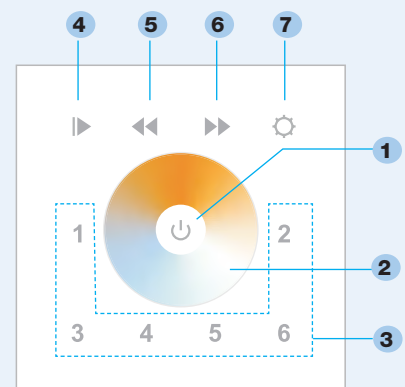
Part No.	Input Voltage	Current	Output	Remarks
LC-2102B	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-2102BEA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-2112B	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-2114B	12-36VDC	4x0.7A	4x(8.4-25.2)W	Constant current
LC-2102BEA-RJ45	12-36VDC	4x8A	4x(96-288)W	Constant voltage

Product Size

Dimensions



Brief introduction of buttons



- 1 Switch off and on
- 2 Touch wheels
- 3 Save 6 colors
- 4 Kelvin Running
- 5 Slow down
- 6 Speed up
- 7 Brightness


Dijagram spajanja

Operation

1. Set DMX Address

Set all DMX Decoder as DMX Address 001

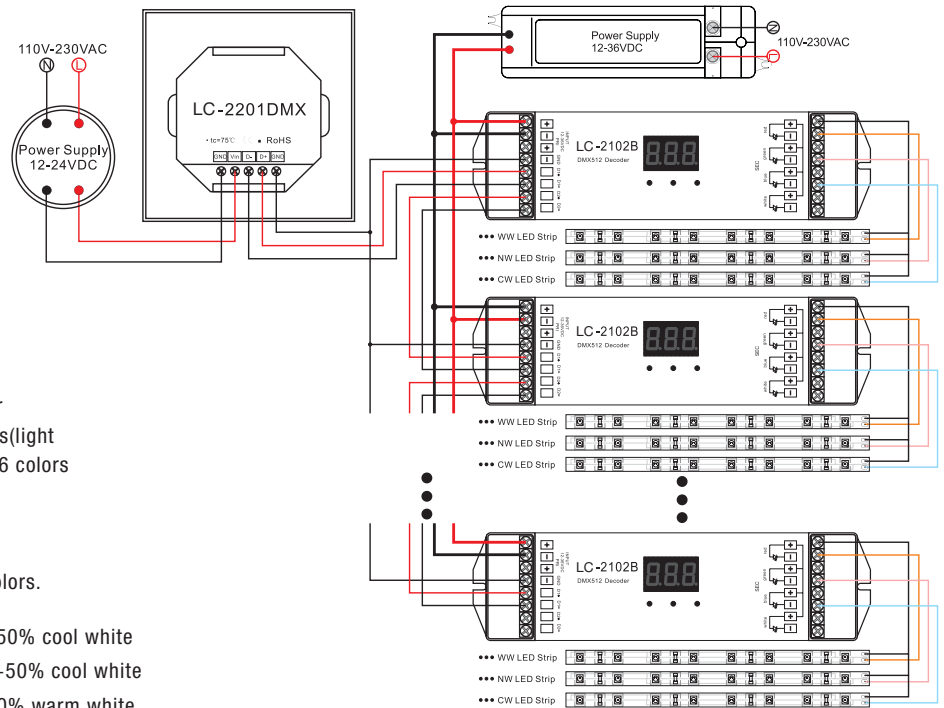
2. Set the address

- 1) Touch  color wheel to choose the color
- 2) Long press a target number over 3 seconds(light flashing means successfully saved, saving 1-6 colors will cover the original colors)

2. Default setting colors

Long press  to default settings as following colors.

- | | |
|----------------------|-------------------------------------|
| ① 100% Warm white | ② 50% warm white +50% cool white |
| ③ 100% Natural white | ④ 50% Natural white +50% cool white |
| ⑤ 100% Cool white | ⑥ 50% Cool white +50% warm white |



Warranty Agreement

1) We provide lifelong technical assistance with this product:

- 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
- For faults beyond the 3-year warranty we reserve the right to charge for time and parts.

2) Limited Warranty

- Any defects caused by wrong operation.
- Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
- Any damages due to transportation, vibration etc. after purchase.
- Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
- Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
- Product has been updated

3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

■ RF Wall Mounted Touch Panel

Model: LC-2830A-DC

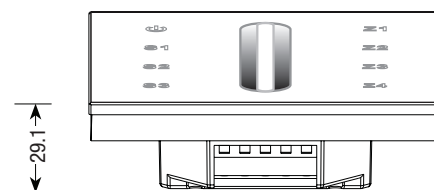
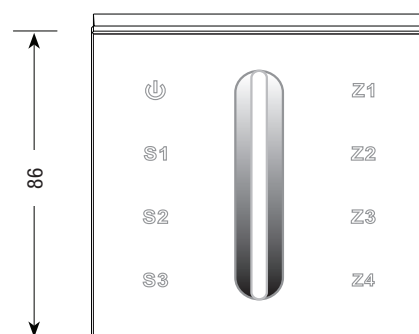


Features

- Backlight
- Glass interface(White & Black)
- Touch sensitive
- Adjust brightness

Product Size

Dimensions



ISO 9001:2008

Parameter

Remote

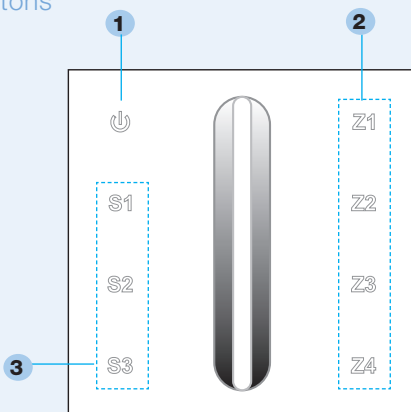
Part No.	Operation Voltage	Operation Frequency	Dimensions ø/h (mm)	Remarks
LC-2830A-DC	12-24VDC	434MHz/868MHz	86x86x29.1	Touch Sensor

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-1009FA7	12-36VDC	4x700mA	4x(8.4-25.2)W	Constant current

Brief introduction of buttons

- 1 Switch off and on
- 2 4 zones control separately or synchronously, each zone could control multiple receivers.
- 3 Save scene into S1/S2/S3.



Operation

1. Learning ID with LC-1009 series:

Click learning button on RF receiver (LC-1009XX)

Short Touch a zone button **Z1**, **Z2**, **Z3** or **Z4**

(sender 2830) Touch dimming slider

The light flick means ID learnt successfully.

Touch zone button **Z1/Z2/Z3/Z4** separately over 2 seconds, which will turn ON/OFF separately.

The backlight blue is ON for the zone, yellow is OFF for the zone.

Note: Each sender can control 4 different zones separately, each zone can be learned endless receivers, so one sender can control as many receivers as you can.

2. Save and replay

Save: Touch dimming slider to get a color

Hold any button of **S1**, **S2** or **S3** over 2 seconds(4zones work together)

The light flick means successfully saved.

Replay: Short touch button **S1**, **S2** or **S3**

Replay the scene just saved.

Note:

■ This controller is RF signal to receivers, no need cable.

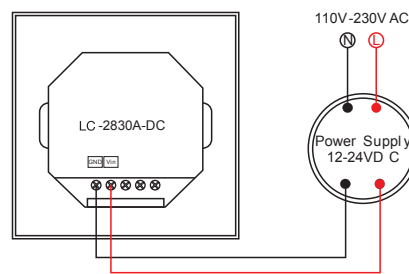
■ AC version no need driver, working directly at electric supply 100-230VAC.

The DC version need a driver 12/24V.

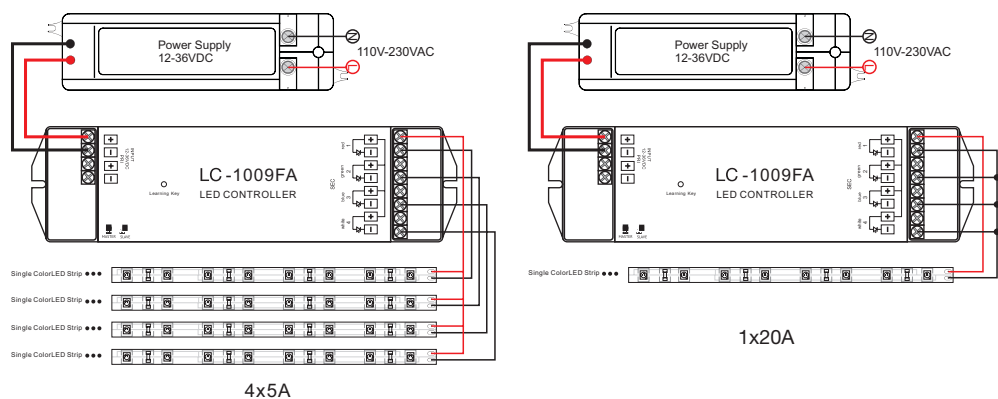


Dijagram spajanja

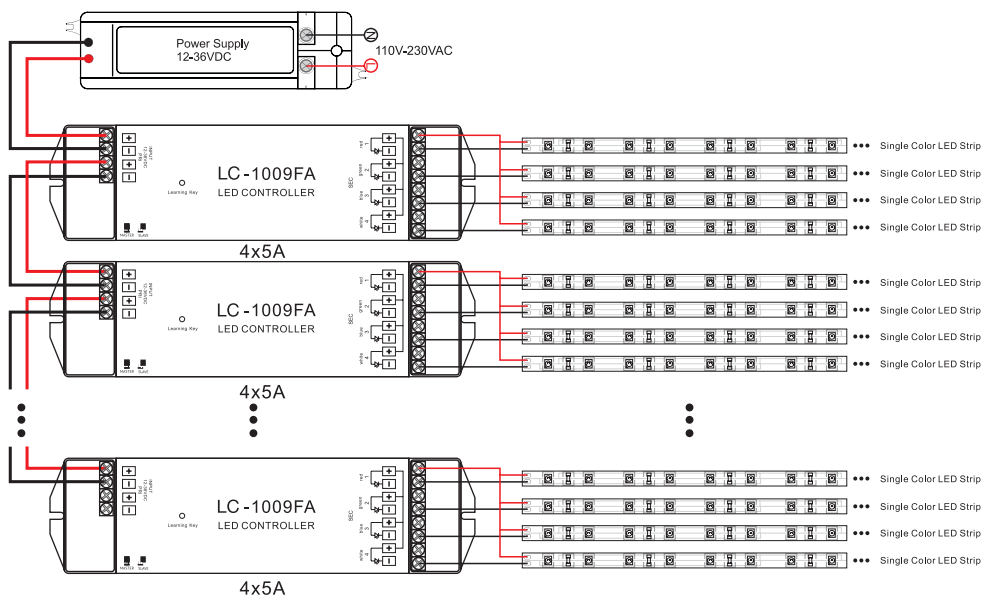
1) Sender Connection Diagram



2) Receiver Connection Diagram for Single Unit



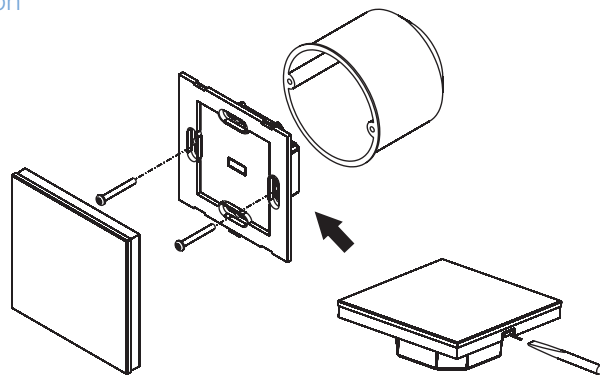
3) Receiver Connection Diagram for Multiple Units



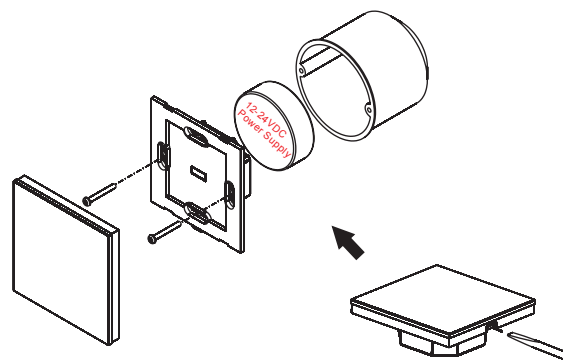
Note

- One receiver can work with 1-8pcs LC-2830A
- One LC-2830A control multiple receivers
- The power supply chosen must be 20% higher than the actual load

Installation



■ LC-2830A-AC



■ LC-2830A-DC

Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

- 1) We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- 2) Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.



▪ RF Wall Mounted Touch Panel

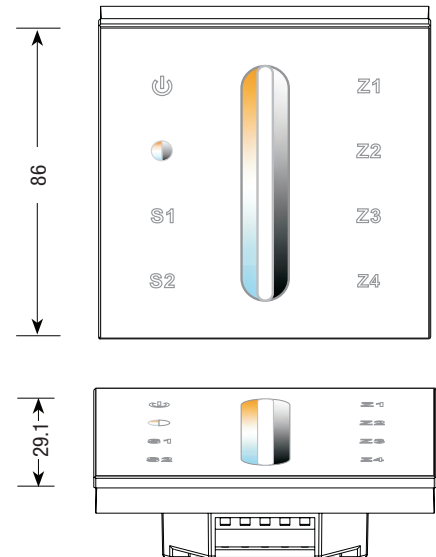
Model: LC-2830B-DC



Features

- Backlight
- Glass interface(White & Black)
- Touch sensitive
- Adjust brightness & color temperature

Product Size Dimensions



Parameter

Sender

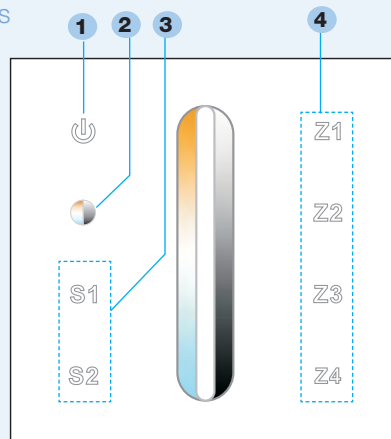
Part No.	Operation Voltage	Operation Frequency	Dimensions o/h (mm)	Remarks
LC-2830B-DC	12-24VDC	434MHz/868MHz	86x86x29.1	Touch Sensor

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-1009FA7	12-36VDC	4x700mA	4x(8.4-25.2)W	Constant current

Brief introduction of buttons

- 1 Switch off and on
- 2 Brightness/Kelvin control exchange, blue under brightness control mode, Yellow under Kelvin control mode.
- 3 Save scene into S1/S2/S3.
- 4 4 zones, control separately or synchronously, each zone could control multiple receivers.



Operation

1. Learning ID with LC-1009 series:

Click learning button on RF receiver (LC-1009XX)
 Short Touch a zone button **Z1**, **Z2**, **Z3** or **Z4** (sender 2830) Touch dimming slider
 The light flick means ID learnt successfully.
 Touch zone button **Z1/Z2/Z3/Z4** separately over 2 seconds, which will turn ON/OFF separately.
 The backlight blue is ON for the zone, yellow is OFF for the zone.

Note: Each sender can control 4 different zones separately, each zone can be learned endless receivers, so one sender can control as many receivers as you can.

2. Save and replay

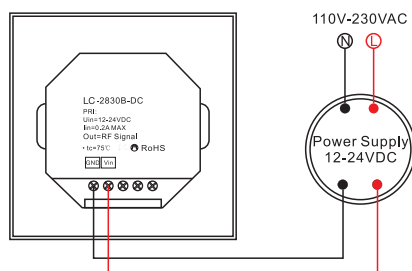
Save: Touch dimming slider to get a color
 Hold any button of **S1**, **S2** or **S3** over 2 seconds(4 zones work together)
 The light flick means successfully saved.
 Replay: Short touch button **S1**, **S2** or **S3**
 Replay the scene just saved.

Note:

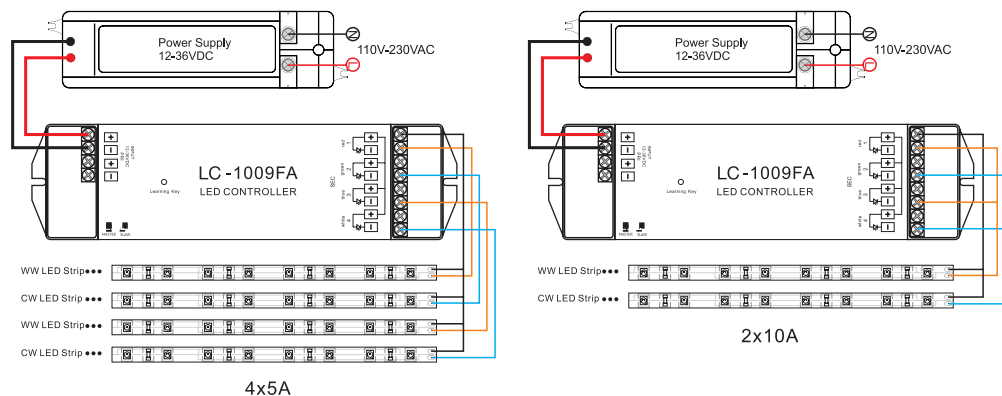
- This controller is RF signal to receivers, no need cable.
- AC version no need driver, working directly at electric supply 100-230VAC.
 The DC version need a driver 12/24V.

Dijagram spajanja

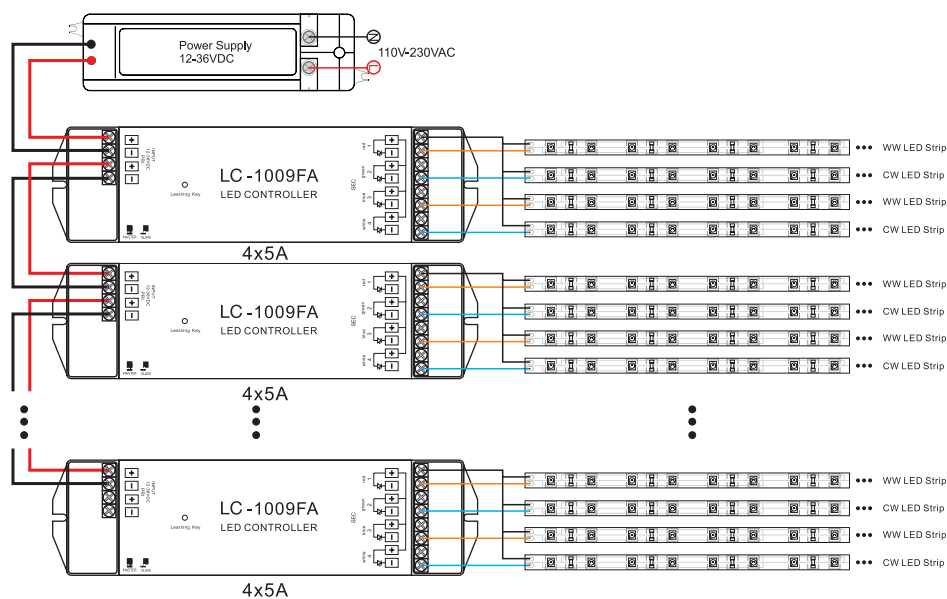
1) Sender Connection Diagram



2) Receiver Connection Diagram for Single Unit



3) Receiver Connection Diagram for Multiple Units



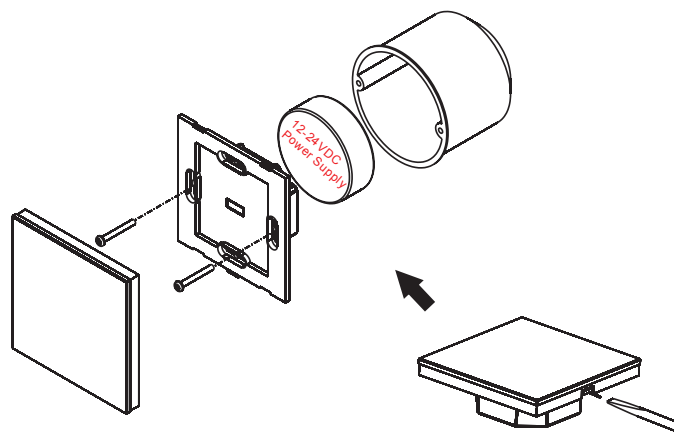
Note

- One receiver can work with 1-8pcs LC-2830B
- One LC-2830B control multiple receivers
- The power supply chosen must be 20% higher than the actual load





Installation



■ LC-2830B-DC

Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

- 1) We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- 2) Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ One zone dim remote

Model: LC-2833K1

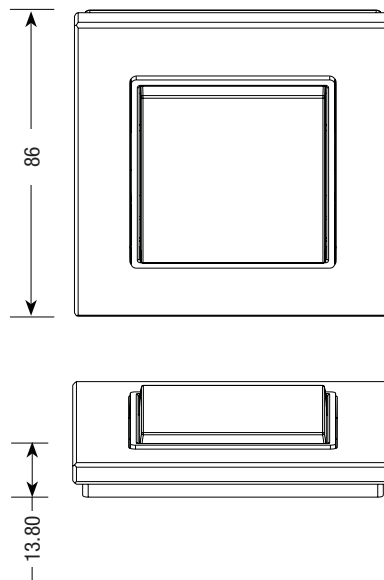


Features

- This is a RF Wireless Push Remote, can be wall mounted, or stuck on wall easily by 3M glue.

Product Size

Dimensions



Parameter

Remote

Part No.	Operation Voltage	Operation Frequency	Remarks
LC-2833K1	3VDC, CR2430 battery	434MHz/868MHz	RF Wireless

Receiver

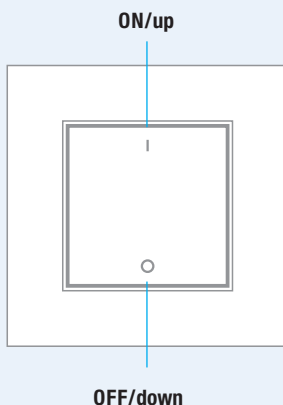
Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-1009FA7	12-36VDC	4x700mA	4x(8.4-25.2)W	Constant current

Mounting

The key part of this controller is a universal, extremely rotary standard switch element that can be integrated in numerous frames by different manufactures as below list:

BEKER	S1, B1, B3, B7 glass
GIRA	Standard55, E2, Event, Esprit
JUNG	A500, Aplus
MERTEN	M-smart, M-Arc, M-Plan

Brief introduction of buttons

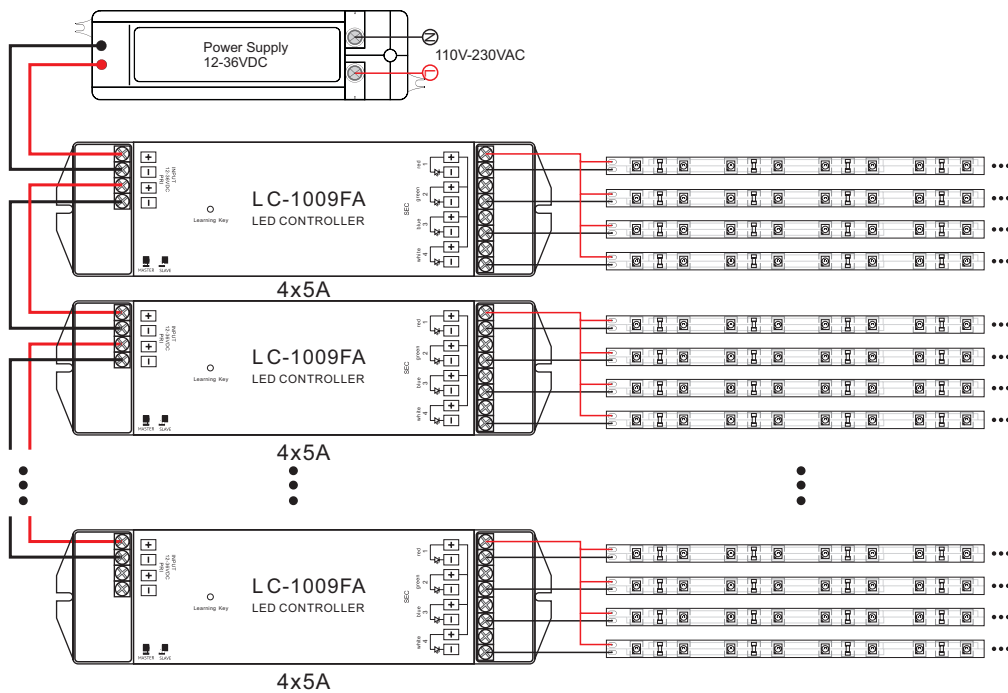


1. Pairing with remote: connect well receiver, press learning key on receiver, then immediately push **|** or **○**, the led will flash, means well paired. One remote can pair with endless of receivers, to control in sync.

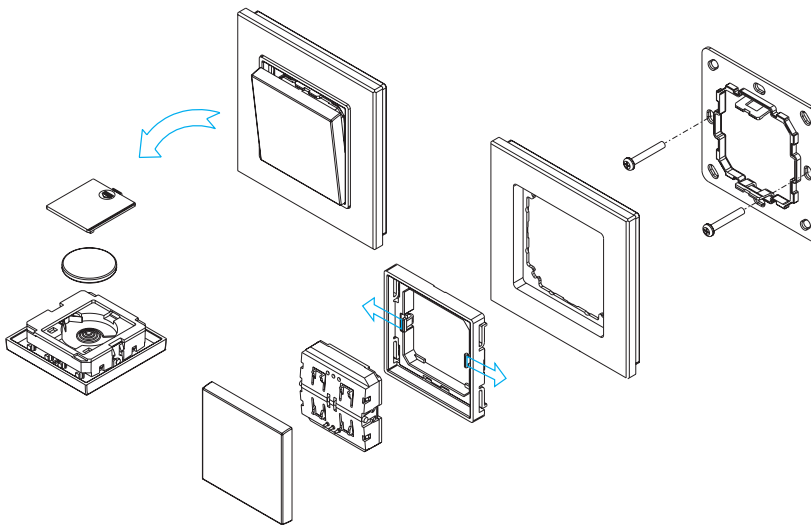
2. Short press **|** for ON, long press for turn Up brightness.
short press **○** for OFF, long press for turn Down brightness.

3. If you want delete the receiver's learning data, just long press for 5 seconds the learning key on receiver, the receiver will be deleted the learning, be set as factory defaults.

Dijagram spajanja



Installation



Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

- 1) We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- 2) Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

▪ RF Single color wall mount/stick controller

Model: LC-2835CCT



Features

- 3M glue stick on the wall or Screw mounted on the wall
- Receivers work with WIFI-RF convertor to be controlled by smart phone

LC-2835CCT is a RF wall sticks/ mounted controller for CCT LED lighting. Each white can achieve 256 levels brightness adjustment. Key part can be uninstal every easily to change battery and frames from other factory.

Receivers work with WIFI-RF convertor to be controlled by smart phone.



Parameter

Remote

Part No.	Operation Voltage	Operation Frequency	Remarks
LC-2835CCT	3VDC	434MHz/868MHz	RF Wireless

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-1009FA7	12-36VDC	4x700mA	4x(8.4-25.2)W	Constant current

Operation

1. Learning

Press shortly the learning Key ● on the receiver, then push the rotary button. Once successfully learn, the LED lights will blink on the receiver. Do the same for the other receivers if you use them, you can add as many optional receivers as you want.

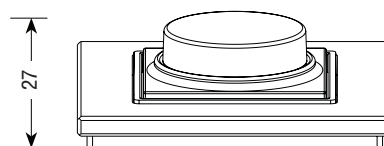
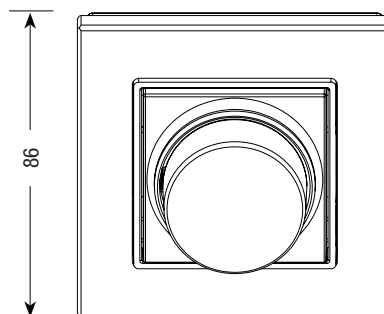
2. Operation

- Short push rotary button to switch ON/OFF
- Adjust dim brightness by the rotary button from left to right 1-100%
- Adjust dim brightness by the rotary button from right to left 100-1%
- Double click rotary button, it will enter into dimming color temperature mode, dim WW and CW associatively, for example if WW is 70%, CW is 30% .Double click again, will enter into dimming brightness mode.

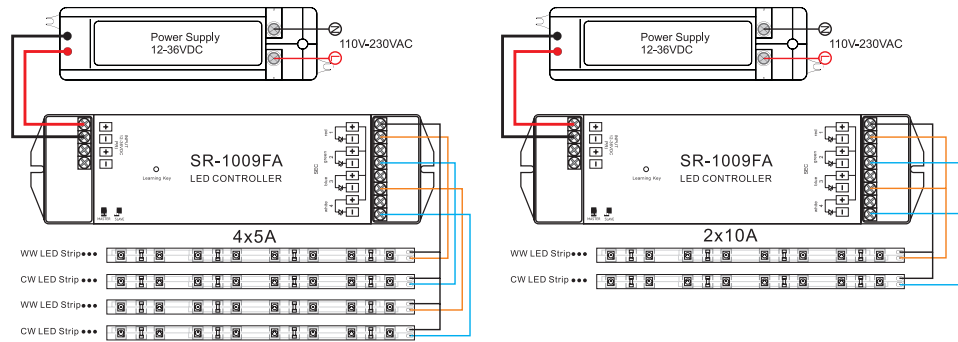
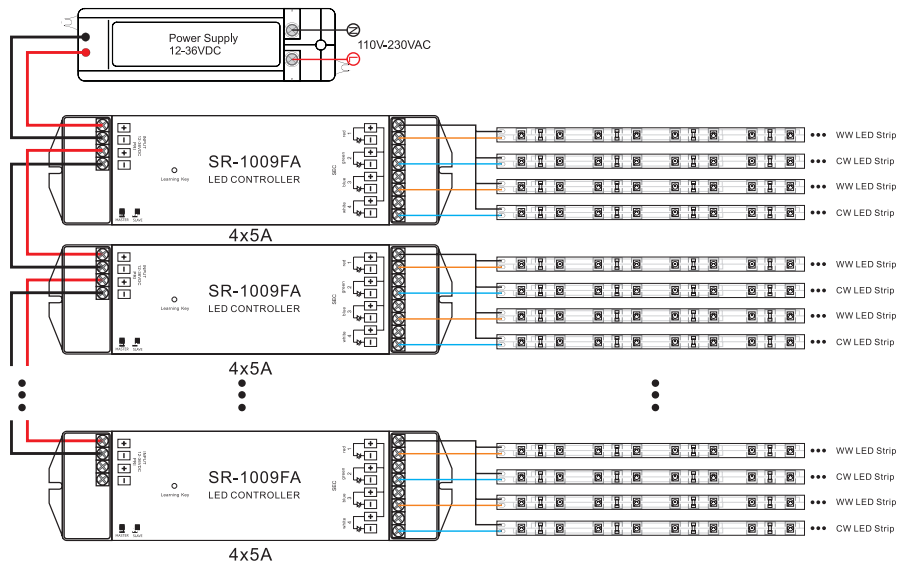
Product Size

Dimensions for

- LC-2835CCT
- LC-2835DIM
- LC-2835RGB



Dijagram spajanja

1) Receiver Connection
Diagram for Single Unit2) Receiver Connection
Diagram for Multiple Units■ RF Single color
wall mount/stick controller

Model: LC-2835DIM



Features

- 3M glue stick on the wall or Screw mounted on the wall
- Receivers work with WIFI-RF convertor to be controlled by smart phone

LC-2835DIM is a RF wall sticks/ mounted controller for single color lighting. Each white can achieve 256 levels brightness adjustment. Key part can be uninstall every easily to change battery and frames from other factory. Receivers work with WIFI-RF convertor to be controlled by smart phone.

Parameter

Remote

Part No.	Operation Voltage	Operation Frequency	Remarks
LC-2835DIM	3VDC	434MHz/868MHz	RF Wireless

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-1009FA7	12-36VDC	4x700mA	4x(8.4-25.2)W	Constant current

Operation

1. Learning

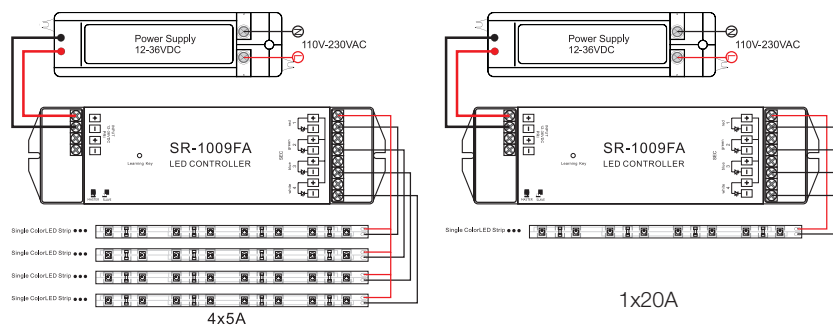
Press shortly the learning Key ● on the receiver, then push the rotary button. Once successfully learn, the LED lights will blink on the receiver. Do the same for the other receivers if you use them, you can add as many optional receivers as you want.

2. Operation

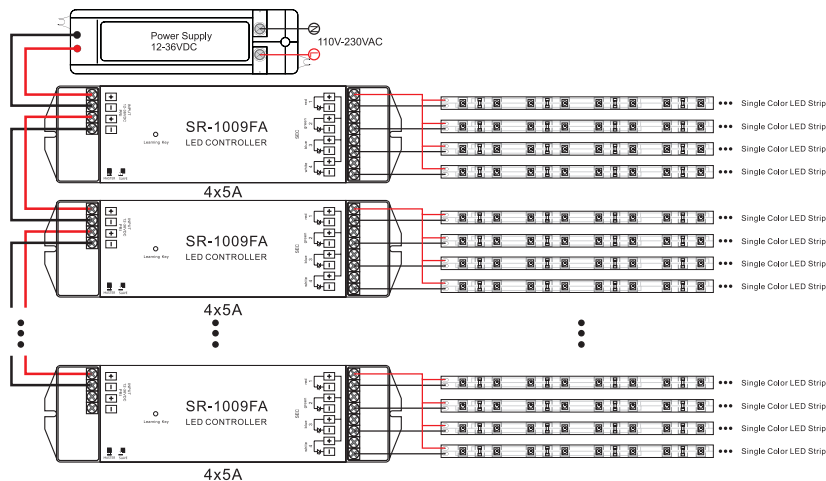
- Short push rotary button to switch ON/OFF
- Adjust dim brightness by the rotary button from left to right 1-100%
- Adjust dim brightness by the rotary button from right to left 100-1%

Dijagram spajanja

1) Receiver Connection Diagram for Single Unit



2) Receiver Connection Diagram for Multiple Units



■ RF RGB Wall sticker/mount controller

Model: LC-2835RGB



Parameter

Remote

Part No.	Operation Voltage	Operation Frequency	Remarks
LC-2835RGB	3VDC	434MHz/868MHz	RF Wireless

Receiver

Part No.	Input Voltage	Current	Output	Remarks
LC-1009FA	12-36VDC	4x5A	4x(60-180)W	Constant voltage
LC-1009EA	12-36VDC	4x8A	4x(96-288)W	Constant voltage
LC-1009FA3	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current
LC-1009FA7	12-36VDC	4x700mA	4x(8.4-25.2)W	Constant current

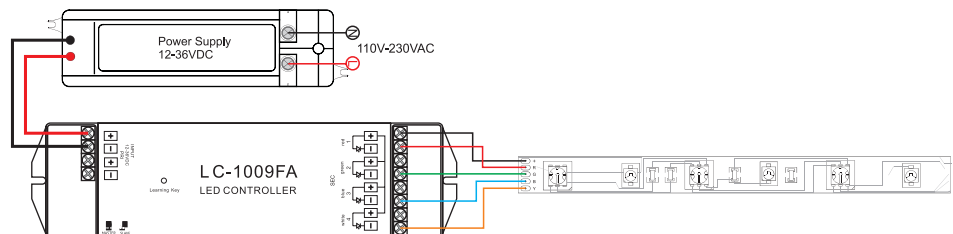
Features

- 3M glue stick on the wall or Screw mounted on the wall
- Receivers work with WIFI-RF convertor to be controlled by smart phone

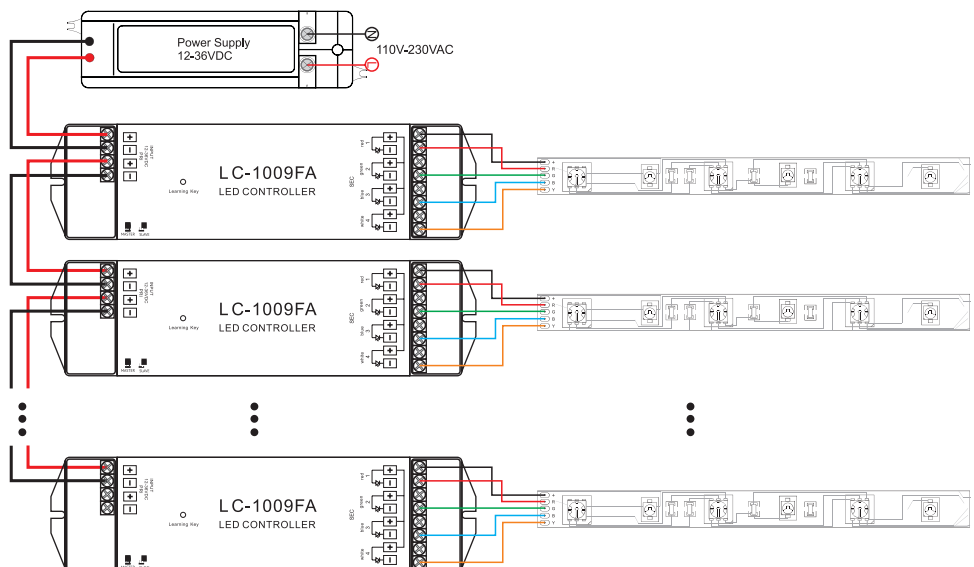
LC-2835RGB is a RF wall sticks/ mounted controller for single color lighting. Each white can achieve 256 levels brightness adjustment. Key part can be uninstal every easily to change battery and frames from other factory. Receivers work with WIFI-RF convertor to be controlled by smart phone.

Dijagram spajanja

1) Receiver Connection Diagram for Single Unit



2) Receiver Connection Diagram for Multiple Units



Operation

1. Learning

Press shortly the learning Key ● on the receiver, then push the rotary button. Once successfully learn, the LED lights will blink on the receiver. Do the same for the other receivers if you use them, you can add as many optional receivers as you want.

2. Operation

- Short push rotary button to switch ON/OFF
- Adjust dim brightness by the rotary button from left to right 1-100%
- Adjust dim brightness by the rotary button from right to left 100-1%
- Long press rotary button, the light will be 100% brightness
- Double click rotary button, it will change color of RGB light. Double click again, will enter into dimming brightness mode



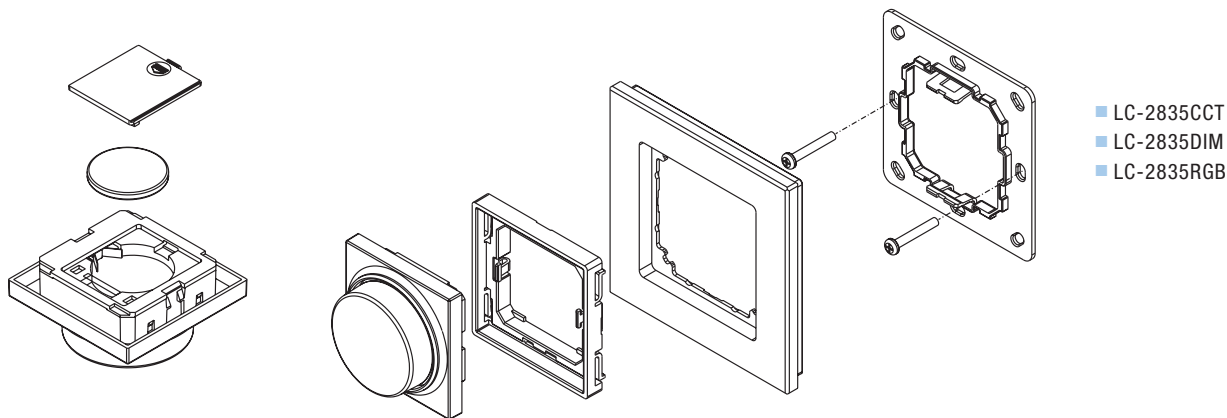
Mounting

The key part of this controller is a universal, extremely rotary standard switch element that can be integrated in numerous frames by different manufactures as below list:

- LC-2835CCT
- LC-2835DIM
- LC-2835RGB

BEKER	S1, B1, B3, B7 glass
GIRA	Standard55, E2, Event, Esprit
JUNG	A500, Aplus
MERTEN	M-smart, M-Arc, M-Plan

Installation



Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

- 1) We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- 2) Limited Warranty
 - Any defects caused by wrong operation.
 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ DMX512 Decoder(with Smart Push Master mode)

Model: LC-2102BEA-RJ45/LC-2112B



Features

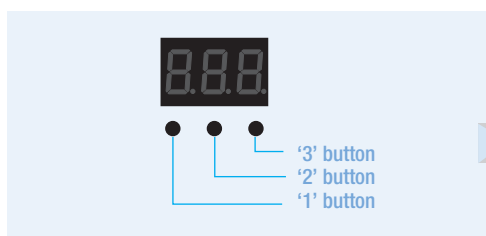
- Standard DMX512 compliant control interface, enable to set the DMX address freely. And show address Via digital numerer display.
- Three-channel/ four-channel output selectable.
- Two types available(Constant Voltage, Constant Current), suitable for different LED lamps.
- To work with power repeater to expand output power unlimitedly.

Parameter

Part No.	Input Voltage	Current	Output	Dimensions ø/h (mm)
LC-2112B	12-36VDC	4x0.35A	4x(4.2-12.6)W	46x178x18
LC-2102BEA-RJ45	12-36VDC	4x8A	4x(96-288)W	60x165x33



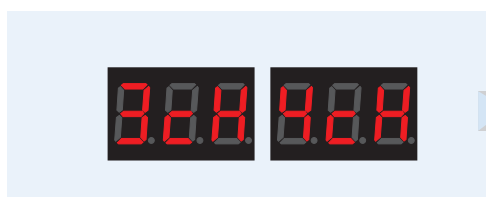
ISO 9001:2008



Operation

1. Introduction of 'buttons'

Through buttons to set desired DMX512 address, 1 key is to set "hundreds" position, 2 is to set "ten" position, 3 is to set "a" bit.
To open the connection of DMX512 controller, then it can work correctly.

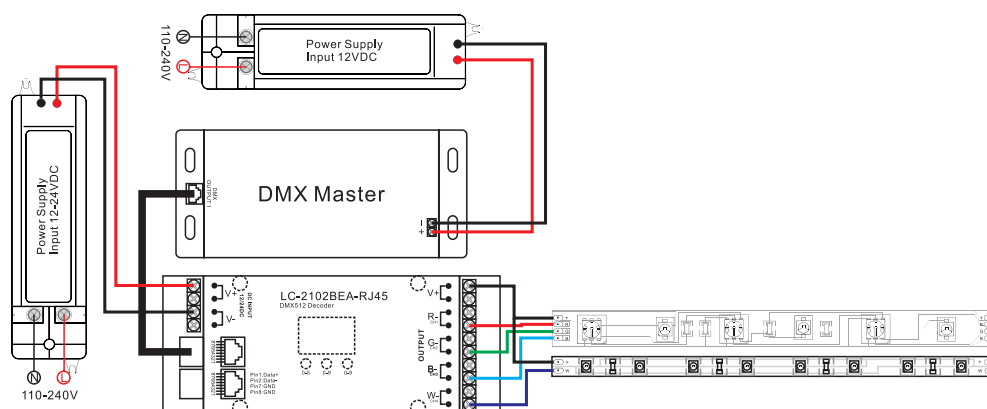


2. Choose Channel

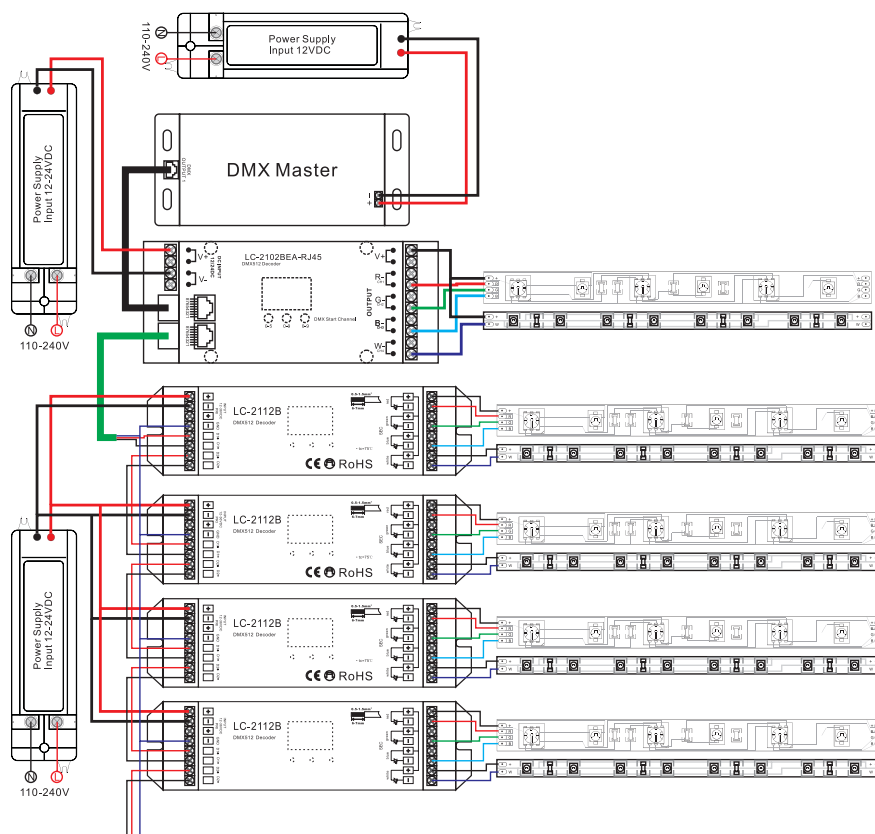
Press button " 2 "and button " 3 " at the same time for 2 seconds, CH digital display flashes, then press button "1" to choose 3/4, 3 means total 3 channels, 4 means total 4 channels. Press any button for >2 seconds to confirm the 3 or 4 channels. The factory preset default is 4 channels outputs.

Dijagram spajanja

1) Connection Diagram for Single Unit



2) Connection Diagram for Multiple Units



Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
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 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ DMX512 Decoder(with Stand-Alone)

Model: LC-2103FA



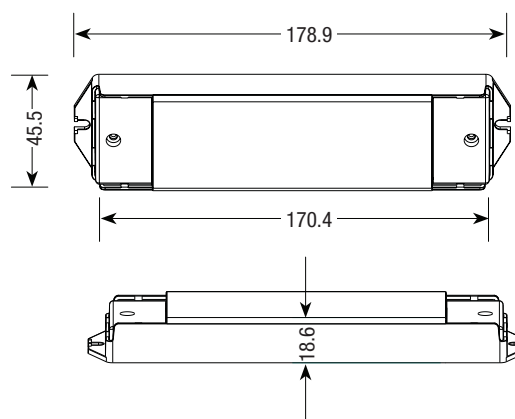
Features

- Standard DMX512 compliant control interface, enable to set the DMX address freely. And show address Via digital numeric display.
- Stand-alone mode and DMX512 decoder mode can be freely switched by buttons.
- Under situation of Stand-alone mode, it can be controlled by manual buttons with its built-in programs, instead of DMX signal.
- Three-channel/ four-channel output selectable.
- Two types available(Constant Voltage, Constant Current),suitable for different LED lamps.
- To work with power repeater to expand output power unlimitedly.

Parameter

Part No.	Input Voltage	Current	Output	Dimensions ø/h (mm)
LC-2103FA	12-36VDC	4x5A	4x(60-180)W	46x178x18

Product Size Dimensions



Operation

1. Introduction of 'buttons'

Through buttons to set desired DMX512 address, 1 key is to set "hundreds" position, 2 is to set "ten" position, 3 is to set "a" bit. To open the connection of DMX512 controller, then it can work correctly.

2. Choose Channel

Press button "2" "and button" "3" at the same time for 2 seconds, ch digital display flashes, press button "1" to choose 3 means total 3 channels, 4 means total 4 channels. Press any button for 2 seconds to confirm 3 or 4 channels outputs. The factory preset default is 4 channels outputs.

3. Choose mode

Press "1" "and" "2" key for 2 seconds, r , u digital display flashes, press "3" key choose 1 or 2 mode .
If the board display ru1: stand-alone mode; ru2: slaver mode. press any button for 2 seconds to confirm the mode you need.



5. Operation under stand-alone mode

Under stand-alone mode ru1, it can be operated as a independent led controller, then can not accept DMX input.

At stand-alone mode, it is just an individual led controller, no DMX in or out. The function as follows: If you choose ru1, after you press any button>2seconds to confirm, the three buttons on board will work like below functions



Only under "ru1"
stand-alone mode

4. Choose mode

Operation under DMX512 SLAVE mode

Under this mode ru2, it is just a standard of DMX512 decoder slave, it can connect DMX512 MASTER signal with DMX512 signal input port, to be controlled by DMX512 master.

Through buttons to set desired DMX512 address, the digital numeric display the starting address.

For example: the digital numeric display 001, it means this DMX slave include 001,002,003,004 addresses (under situation of 4 CH).

Choose channel

Hold the "Mode" and "Bright" button for two seconds, ch digital display flashes, then press "Speed" button to choose "3" or "4", then press any button for 2 seconds to confirm 3 or 4 channels you need.

Speed button

To speed up/down color changing, 0-9 speed level cycling changing, "0" is the maximum speed, "9" is the minimum speed. The "Speed" button is only used under dynamic effects which you can get from "Mode" button.

Mode button

Press "Mode" button to see total 9 dynamic effects in this way: effects1-pause-effects2-pause-effects3-pause...

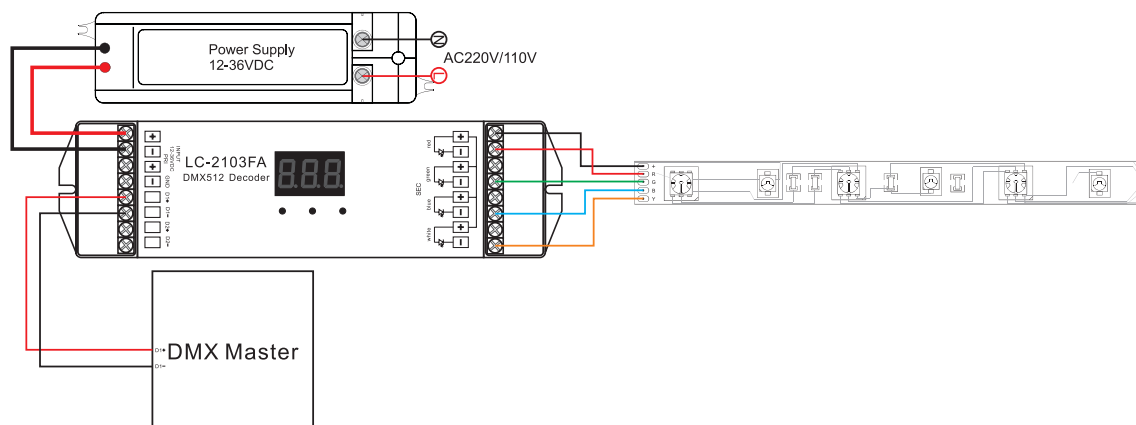
Bright button

To adjust the brightness, 1-8 level brightness, cycling, "1" is the lowest brightness, "8" is the highest brightness.

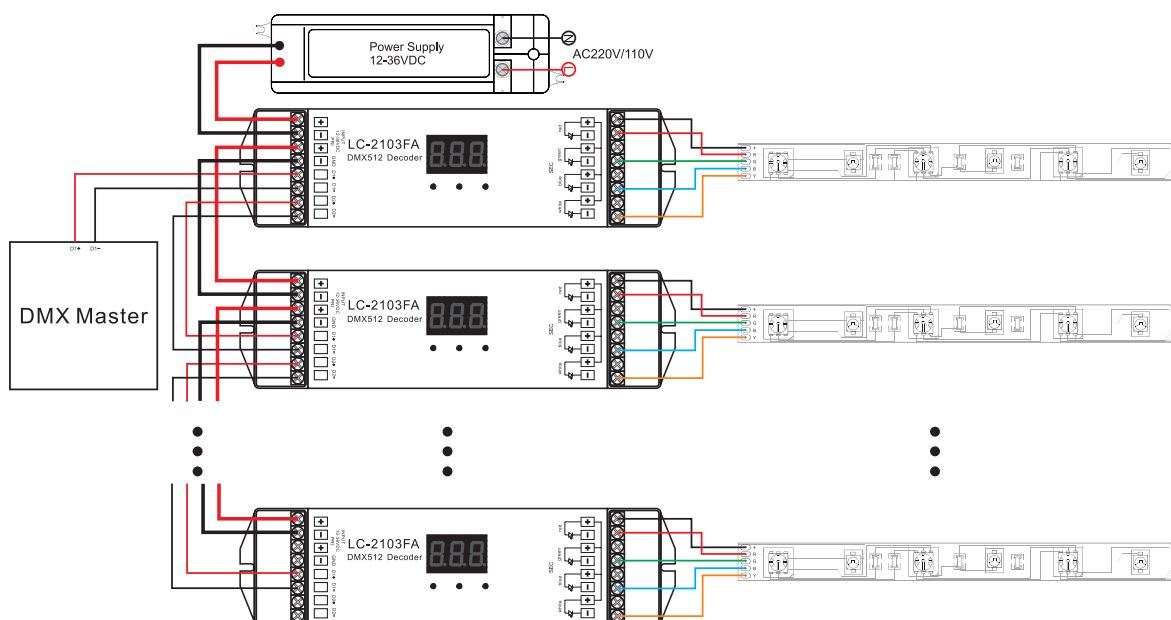


Dijagram spajanja

1) Connection Diagram for Single Unit



2) Connection Diagram for Multiple Units



Safety & Warnings

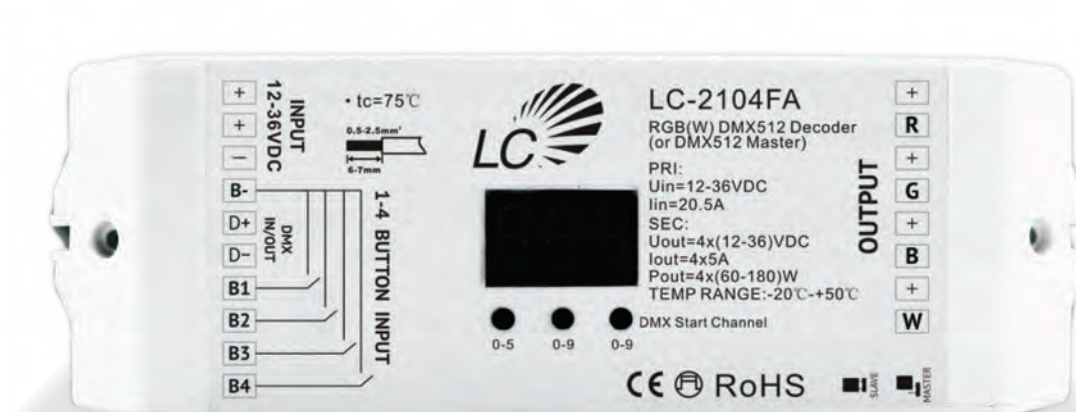
- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
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 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ RGB/W DMX512 decoder

Model: LC-2104

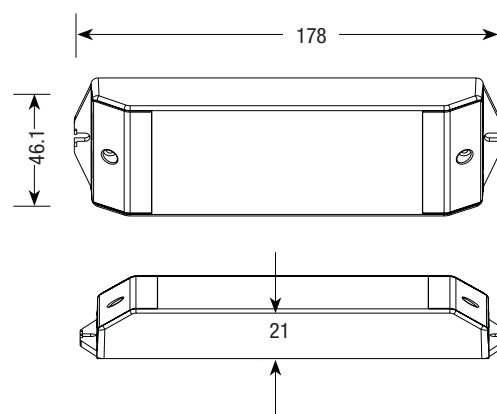
Product Size
Dimensions

Features

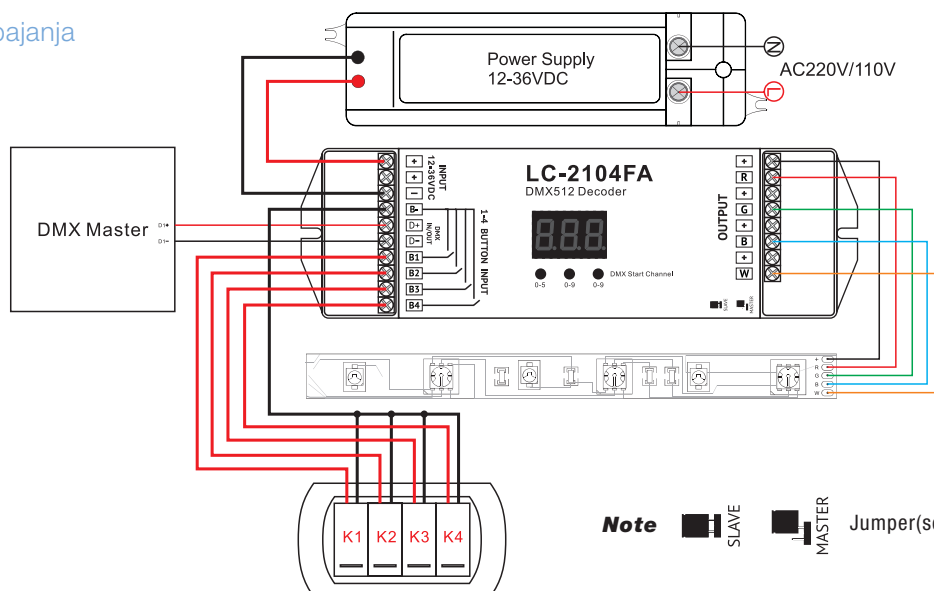
- Max. 4CH
- Smart Push Dim
- Master&Slave mode
- Set and show address Via digital numeric display.
- In compliance with DMX512 Master from other international incorporation.

Parameter

Part No.	Input Voltage	Current	Output	Remarks
LC-2104FA	12-36VDC	4x5A	4x(60-180)W	Constant Voltage



Dijagram spjanja



Note



Jumper(select slave mode or master mode)

Operation

Under SLAVE MODE status

Under slave mode, it shows address of DMX decoder. There must be a DMX signal before you can start changing the DMX-address. Once power on, it shows default address 001. Address range : 001-512.

Under MASTER MODE status

1. Under MASTER MODE status, there are 4 programs. It shows "H_1" (2, 3, 4). Choose program by pressing 3rd black button.
2. Under MASTER MODE status, LC-2104XX can send 40 data. It's from 1 to 40. Data 1 is the data of R channel. Data 2 is the data of G channel. Data 3 is the data of B channel. Data 4 is the data of W channel. All dmx decoder needs 4 address as a group, such as 1-4, 5-8, 9-12, 13-16, 17-20, 21-24, 25-28, 29-32, 33-36, 37-40.
3. Memory function. (stay at last status when switch off or power off)

(1) Program 1

Display shows "H_1" (ON) or "HoF" (OFF).

Under program 1, only K1 can work.

K1- Brief press: switch on/off

- Hold press down: dimming R/G/B/W 4 channels brightness from 0 to 100% range.

(2) Program 2

Display shows "H_2" (ON) or "HoF" (OFF)

Under program 2, K1 & K2 work.

(3) Program 3

Display shows "H_3" (ON) or "HoF" (OFF)

Under program 3, K1 & K2 work.

K1-Brief press: switch on/off of all channels.

-Hold press down: dimming brightness of R channel from 0 to 100% range.

K2-Brief press: under running status, it's pause function.

-Hold press down: under static status, dimming brightness of G channel from 0 to 100% range.

K1 & K2-Brief press: Enter into running status.

-Hold press down: under static status, dimming brightness of B channel from 0 to 100% range.

(4) Program 4

Display shows "H_4" (ON) or "HoF" (OFF)

Under program 4, K1 & K2 & K3 & K4 work.

K1-Brief press: switch on/off of all channels.

-Hold press down: dimming brightness of Y channel from 0 to 100% range.

K2- Brief press: Under running status, brief press is to do pause operation. Brief press again, running mode starts again.

-Hold press down: dimming brightness of R channel from 0 to 100% range.

K3-Brief press: speed up under running status.

-Hold press down: dimming brightness of G channel under static status.

K4-Brief press: speed down under running status.

-Hold press down: dimming brightness of B channel under static status.

K3 & K4-Brief press together: under static color, brief press is to enter into running mode.

Note: Please choose twist pair or ethernet cable as DMX signal line.

K1- Brief press: switch on/off of R/B channels.

- Hold press down: dimming R/B channels brightness from 0 to 100% range.

K2- Brief press: switch on/off of G/Y channels.

- Hold press down: dimming G/Y channels brightness from 0 to 100% range.

K1/K2 – Brief press together: 50% R(B) + 50% G(Y), brief press together again: 100%R(B), brief press together again: 100%G(Y).

Note: Under this program, connect R/B with the cool white strip, connect G/Y with warm white strip, it can dim different white strip.



Safety & Warnings

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- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
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Warranty Agreement

- 1) We provide lifelong technical assistance with this product:
 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
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 - Product has been updated
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■ DMX512 Switch Decoder

Model: LC-2703B



ISO 9001:2008

Features

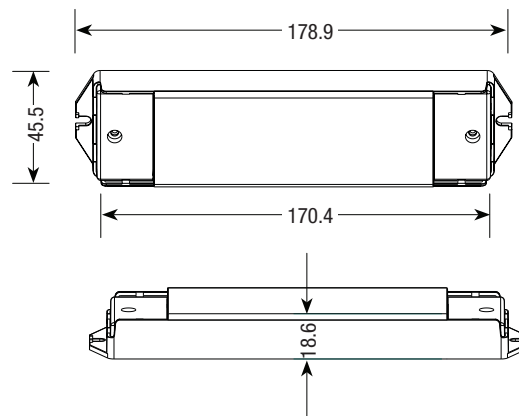
- Standard DMX512 compliant control interface, enable to set the DMX512 address freely.
- And show address Via digital numeric display.
- One channel output. AC input and AC output One LC-2703B occupy only one DMX512 address.
- The DMX512 master can only do Switch ON/OFF command to the switch decoder LC-2703B.

Parameter

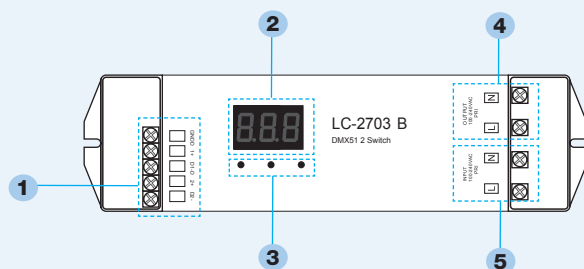
Part No.	Input Voltage	Current	Output	Remarks
LC-2703B	100-240VAC	5A	1 channel 100-240VAC	Constant Voltage

Product Size

Dimensions

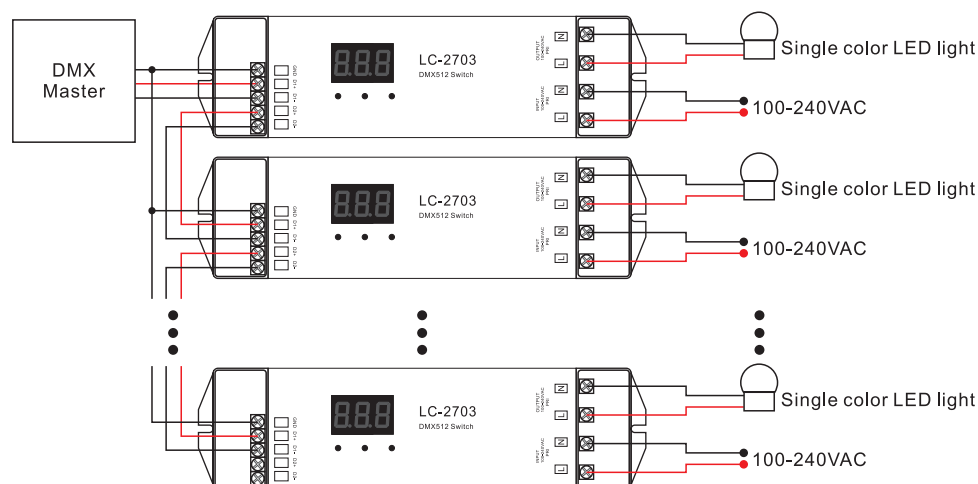


Brief introduction of buttons



- 1 DMX Master
- 2 DMX addresses indicate
- 3 DMX addresses adjust button
- 4 100-240VAC power output
- 5 100-240VAC power input

Dijagram spajanja



'3' button
'2' button
'1' button

Using instruction

Through buttons to set desired DMX512 address, 1 key is to set "hundreds" position, 2 is to set "ten" position, 3 is to set "a" bit. To open the connection of DMX512 controller, then it can work correctly. one LC-2703B will occupy only one DMX512 address.



Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
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 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ RF to DMX

Model: LC-2815DMX1



Features

- High sensitive & high stable touch color wheel, fast & precise color control.
- Enable to control 10 zones separately. Each zone can switch on/off separately. Changing modes of 10 zones can be synchronized without any confusion.
- 10 changing modes. Enable to stay at any color under situation of color changing modes.
- Adjustable changing speed with 8 levels, quickest speed is 4S, slowest speed is 256S.
- Controlling RGBW or RGBY 4 colors that achieve more selectable colors than traditional RGB control.
- To adjust brightness of each color independently that can achieve millions of changing colors.
- Use with LC-2806
- Memory function, remember the last last color/scene

Product introduction

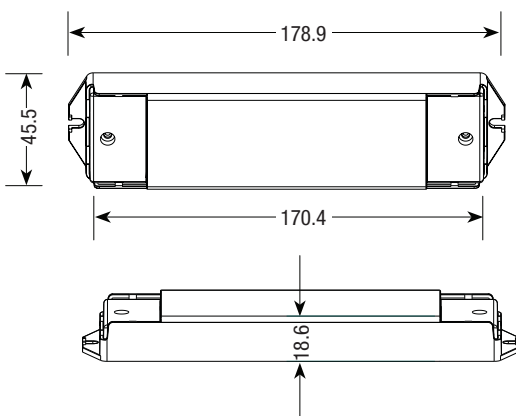
LC-2815DMX1 is DMX signal output to connect DMX decoders. All of the DMX decoders could be remote controlled by the remote LC-2806. There are display board and button on the DMX decoders that we could set addresses. This DMX master suit for any DMX decoders want to be remote controlled.

Parameter

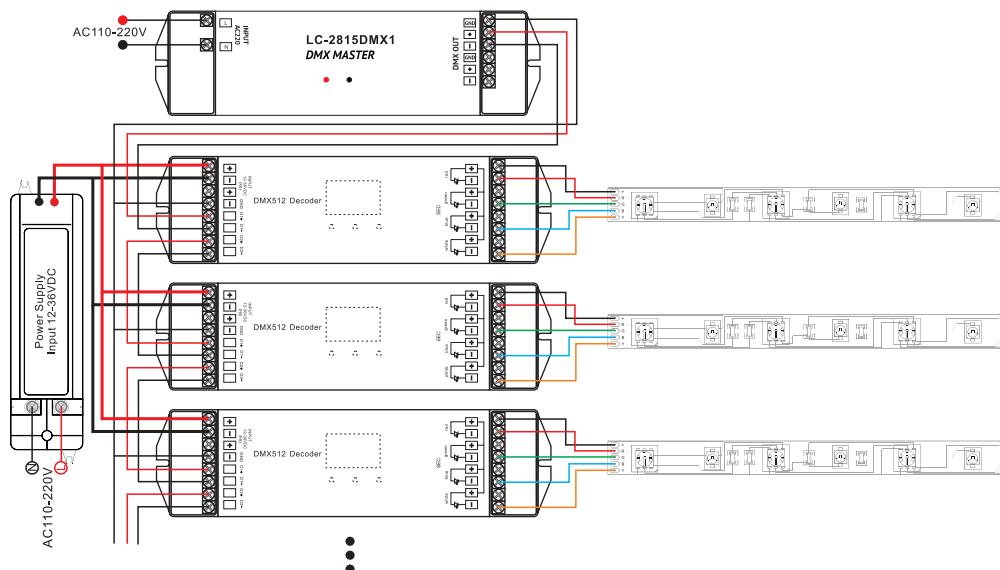
Part No.	Input Voltage	Output	Remarks
LC-2815DMX1	110-220VAC	DMX512 Signal	Match LC-2806

Product Size

Dimensions



Dijagram spajanja



Operation

Learning ID by remote

You need pair the master and remote by pressing the Learning Key ,the led signal light would on,then choose the Zone No and touch color wheel ,The signal light will blink once ,signify that your master and remote are paired.

Set the address

One master has 40 addresses, 001 005 009 013037.

001=1,2,3,4=RGBW

005=5,6,7,8=RGBW

009=9,10,11,12=RGBW

.....

037=37, 38, 39, 40=RGBW

We may set any address(same or different) from 001 005 009-037.

Play

LC-2806 has 10zones, so we could control 10pcs LC-2815DMX1 individually.

Each LC-2815DMX1 could connect countless dmx decoders.

Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20.Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
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- Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
- Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
- Product has been updated

3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ DALI dimmer

Model: LC-2302B



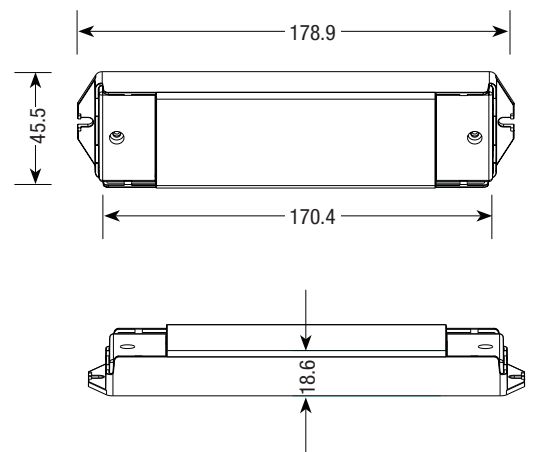
Features

- Match all DALI system in the market
- Manual /automatically DALI address setting
- DALI address digital indicate
- Four channels with same address

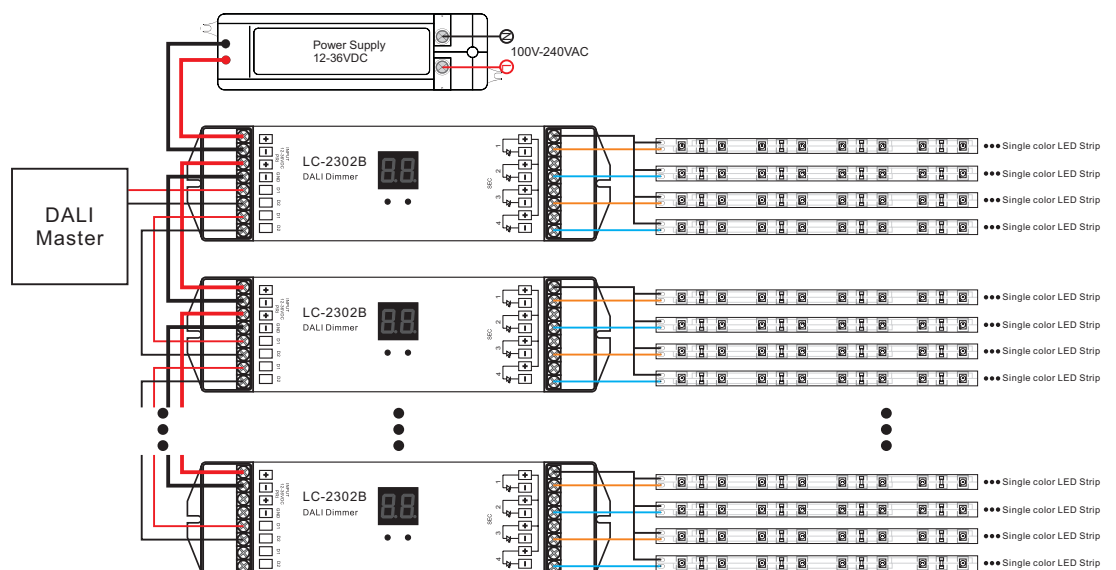
Parameter

Part No.	Input Voltage	Current	Output	Remarks
LC-2302B	12-36VDC	4x5A	4x(60-180)W	Constant voltage

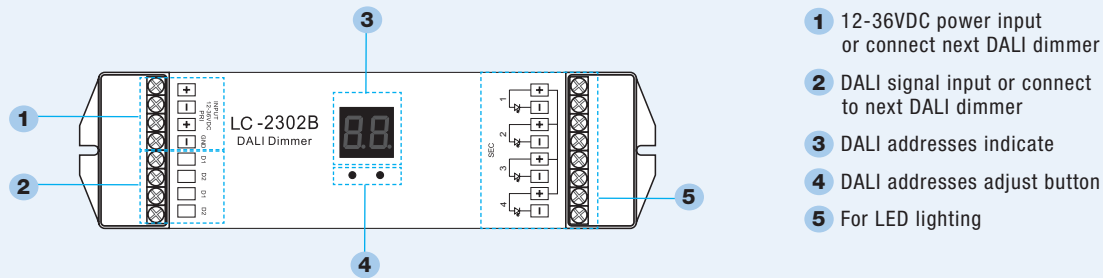
Product Size Dimensions



Dijagram spajanja



Brief introduction of buttons



Operation

Setting DALI address

- a. Manual: Long press any button---digital address will flicker---short press button to set address we want---long press any button to confirm.
- b. DALI master setting: LC-2302B can also be setting address by all DALI master which possesses this function. The specific operation can refer to DALI master manual.
- c. Once an address is selected, all four channels address will be same. For example, if the decoder is addressed to 22 on the display then CH1 – 22, CH2 – 22, CH3 –22, CH4 – 22.

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 - 3-year warranty. We print date on every products, for example: 1125 means year 2011, week 25. The warranty is for free repair or replacement and covers manufacturing faults only.
 - For faults beyond the 3-year warranty we reserve the right to charge for time and parts.
- 2) Limited Warranty
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 - Any damages caused by unauthorized removal, maintenance, modifying, incorrect connection and replacement of chips.
 - Any damages due to transportation, vibration etc. after purchase.
 - Any damages caused by earthquake, fire, lightning, pollution and abnormal voltage.
 - Any damages caused by negligence, inappropriate storing at high temperatures and humidity or near harmful chemicals.
 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.



■ DALI dimmer

Model: LC-2303B



Features

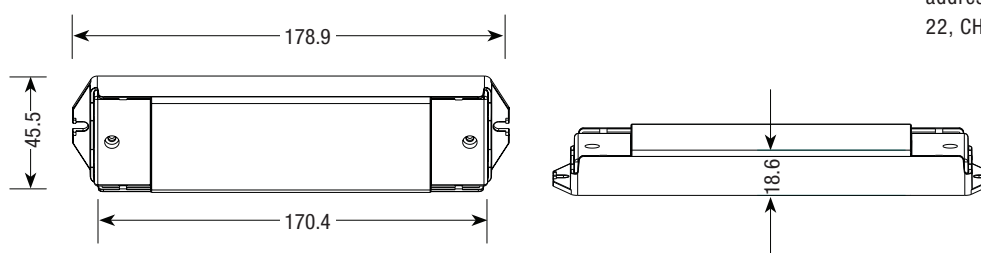
- Match all DALI system in the market
- DALI address digital indicate
- Manual /automatically DALI address setting
- Four channels with four different addresses

Parameter

Part No.	Input Voltage	Current	Output	Remarks
LC-2303B	12-36VDC	4x5A	4x(60-180)W	Constant voltage

Product Size

Dimensions



Operation

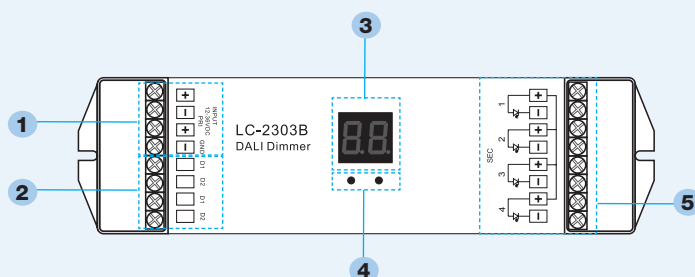
Setting DALI address

a. Manual: Long press any button---digital address will flicker---short press button to set address we want---long press any button to confirm.

b. DALI master setting: LC-2303B can also be setting address by all DALI master which possesses this function. The specific operation can refer to DALI master manual.

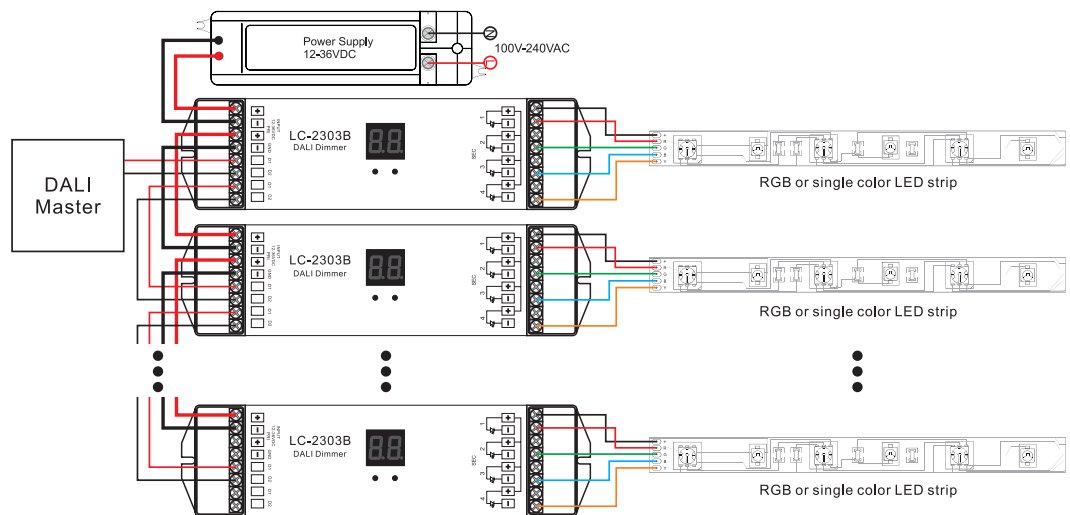
c. Once an address is selected, the remaining 3 channels will be utilized digitally. For example, if the decoder is addressed to 22 on the display then CH1 – 22, CH2 – 23, CH3 – 24, CH4 – 25.

Brief introduction of buttons



- 1 12-36VDC power input or connect next DALI dimmer
- 2 DALI signal input or connect to next DALI dimmer
- 3 DALI addresses indicate
- 4 DALI addresses adjust button
- 5 For LED lighting

Dijagram spajanja



Safety & Warnings

- 1) The product shall be installed and serviced by a qualified person.
- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
- 7) For update information please consult your supplier.

Warranty Agreement

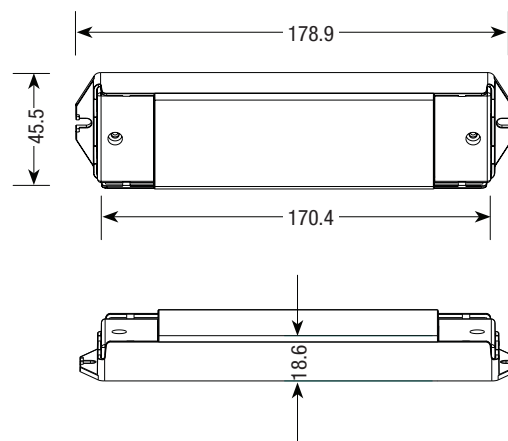
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■ DALI dimmer

Model: LC-2304B/LC-2316B



Product Size Dimensions



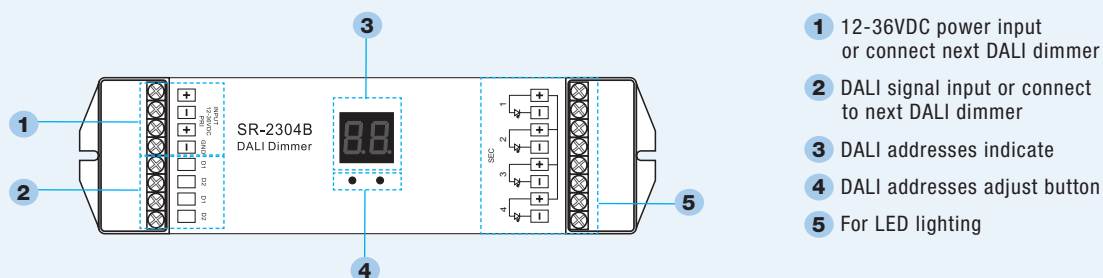
Features

- Match all DALI system in the market
- Manual /automatically DALI address setting
- DALI address digital indicate
- Four channels with four different addresses

Parameter

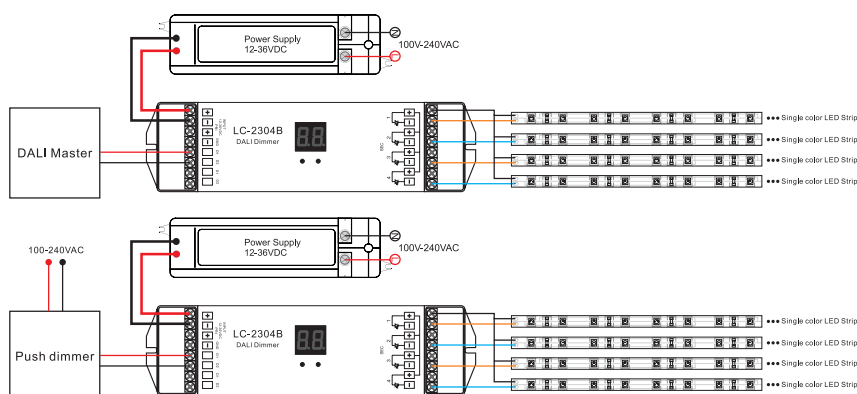
Part No.	Input Voltage	Current	Output	Load Type
LC-2304B	12-36VDC	4x5A	4x(60-180)W	Regular LED (0.04-0.1W)
LC-2316B	12-36VDC	4x0.7A	4x(8.4-25.2)W	High Power LED(3W)

Brief introduction of buttons

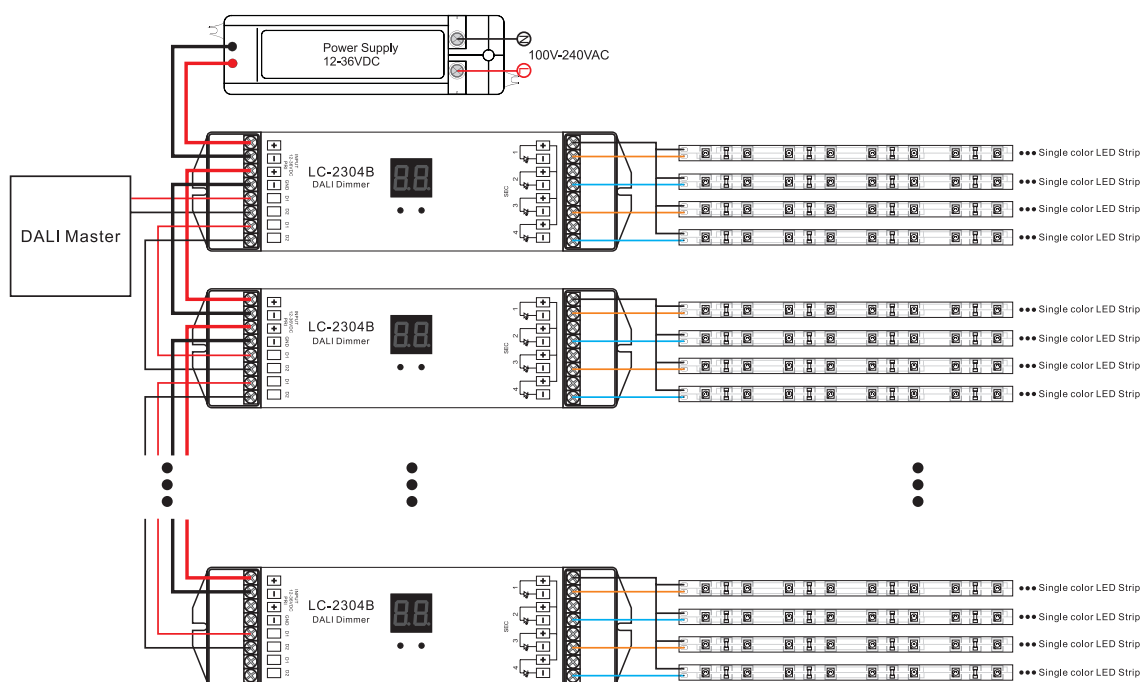


Dijagram spajanja

1) Connection Diagram for Single Unit



2) Connection Diagram for Multiple Units



Operation

Setting DALI address

- Manual: Long press any button---digital address will flicker---short press button to set address we want---long press any button to confirm.
- DALI master setting: LC-2304B Series can also be setting address by all DALI masters which possess this function. The specific operation can refer to DALI master manual.
- Once an address is selected, all four channels address will be same. For example, if the decoder is addressed to 22 on the display then CH1 – 22, CH2 – 22, CH3 –22, CH4 – 22.

Push DIM function instructions

- After entering to this mode, the display of DALI push dimmer will show “PD” – “PUSH DIMMER” mode
- Short press the Push DIM switch (<0.5s) to control the lamp on or off
- Long press the Push DIM switch (>0.5s) to dim the brightness of light; the dimming direction will change every time after pressing switch
- When the light being turned off, long press the Push DIM switch can turn on the light and adjust its brightness according to the dimming direction
- The brightness adjustment range is 1%-100%, and the light can be turned off through short pressing.
- Power off memory function, the power-down state before will be maintained when power on again

Switching of two modes

- DALI and Push DIM functions cannot be used simultaneously, which can be controlled respectively by using DALI controllers or the equipments with Push DIM function
- Under DALI dimmer mode, device will enter into PUSH DIMMER mode with AC (200-240VAC) signal. Under PUSH DIMMER mode, device will enter into DALI dimmer mode with DALI signal. And it will show the previous set address. Within back and forth switching modes process, the DALI address won't be lost or changed.
- DALI device can switch many times between “DALI DIMMER” mode and “PUSH DIMMER” mode, but the DALI input port must be unique. Either the DALI dimmer wiring with DALI signal input, or PUSH DIMMER wiring with AC (200-240VAC) signal.

Safety & Warnings

- The product shall be installed and serviced by a qualified person.
- IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- Please ensure that the cable is secured tightly in the connector.
- For update information please consult your supplier.

Warranty Agreement

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 - Product has been updated
- Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ Repeaters/Amplifiers

Model: LC-3001, LC-3002



Features

- Repeater dimming signal
- One channel/three channel/four channel optional, max up to 24A per channel
- Constant voltage
- To receive PWM signal control
- Power repeater in series to expand output unlimitedly

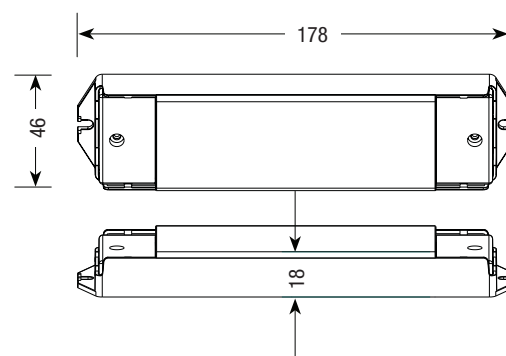
Parameter

Part No.	Input Voltage	Current	Output	Remarks
LC-3001	12-36VDC	3/4x5A	3/4x(60-180)W	Constant voltage
LC-3002	12-36VDC	3/4x8A	3/4x(96-288)W	Constant voltage



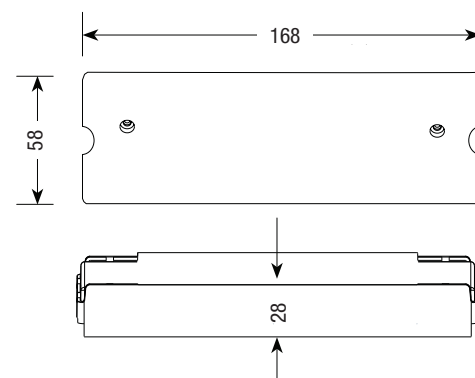
Product Size

Dimensions LC-3001

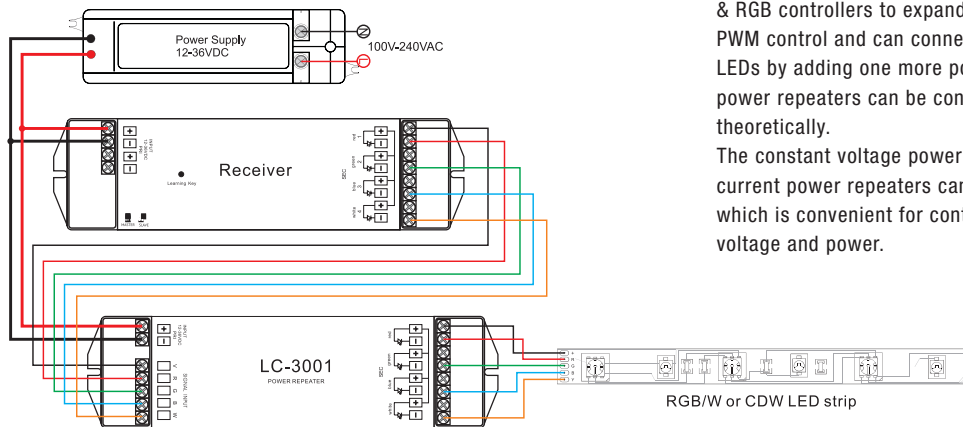


Product Size

Dimensions LC-3002



Dijagram spajanja



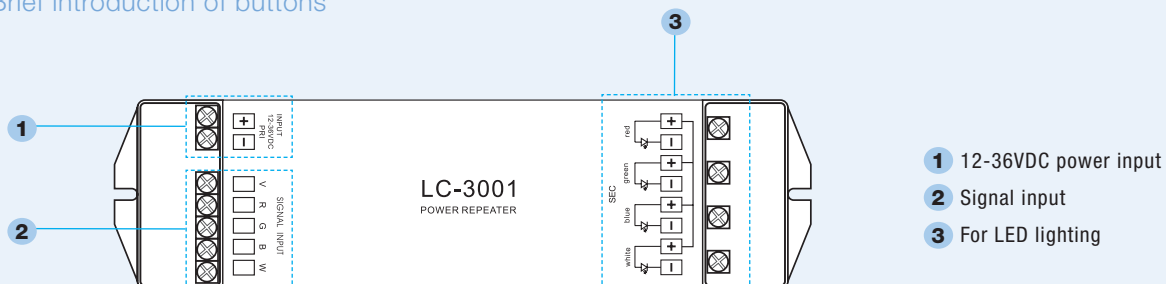
Operation

Operation Manual

LED power repeater is suitable for all of our single color & RGB controllers to expand power output, it supports PWM control and can connect one to three times more LEDs by adding one more power repeater, and unlimited power repeaters can be connected together theoretically.

The constant voltage power repeater and constant current power repeaters can be connected together, which is convenient for controlling LEDs with different voltage and power.

Brief introduction of buttons



Safety & Warnings

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- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
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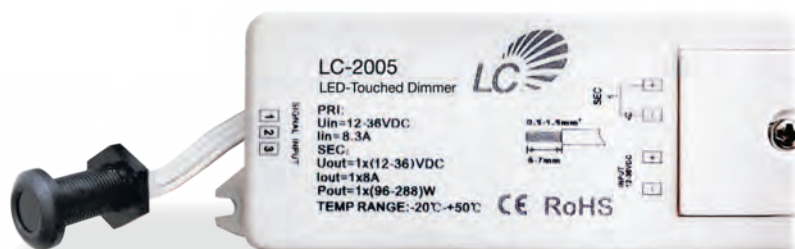
- 2) Limited Warranty

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- Product has been updated

- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ Sensor Dimmer

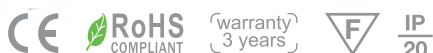
Model: LC-2005



Features

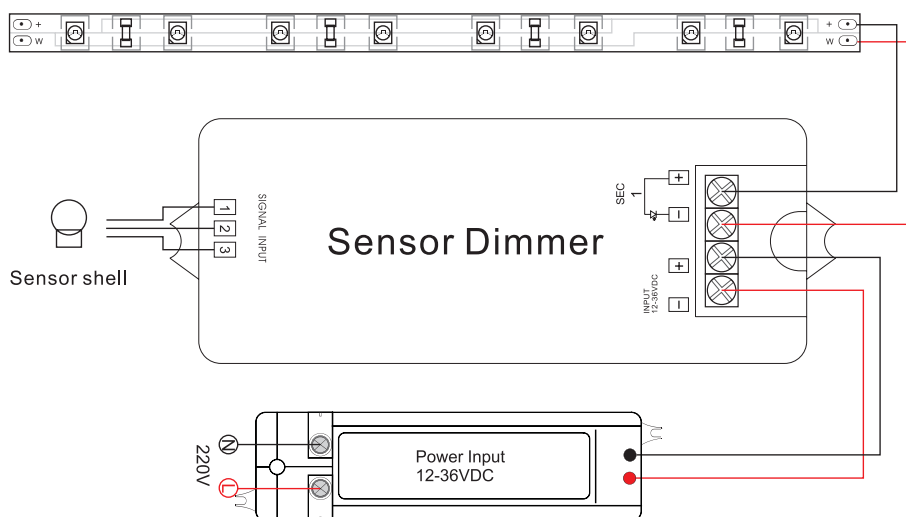
- High sensitivity.
- Detection range Max 6cm (IR Sensor).
- Length Sensor line is >1M.
- Light will be on/off when your hand appears/moves away in the sensing area and a light dimming duration will be happened when your hand stays in the sensing area for a while(cycling dimming light:darkest-brightest-darkestbrightest...
- Each Recyclic Light Dimming Duration (darkest-brightest-darkest) is 16-20 seconds.
- Smooth, soft and gentle dimming light changes without any flash.'Memory' function enables to remember the last brightness when re-power on this unit.
- Two sensor shell can be chosen.

Parameter



Part No.	Input	Current	Output	Load Type	Remarks	Dimensions
LC-2005	12-36VDC	1x8A	1x(96-288)W	Regular LED (0.04-0.1W)	Dim&Switch IR Sensor	33x82x20

Dijagram spajanja
LC-2005 / LC-2004 / LC-2004B

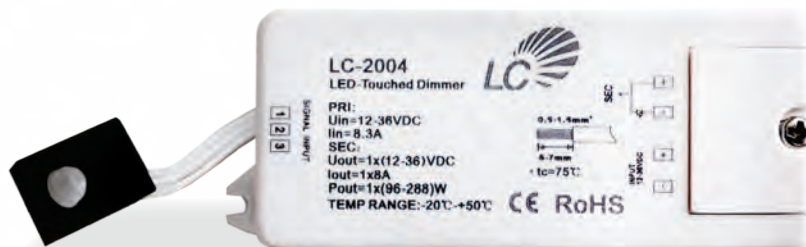


■ Sensor Dimmer

Model: LC-2004

Features

- High sensitivity.
- Detection range Max 6cm (IR Sensor).
- Length Sensor line is >1M.
- Light will be on/off when your hand appears/moves away in the sensing area and a light dimming duration will be happened when your hand stays in the sensing area for a while(cyclingdimming light: darkest-brightest-darkestbrightest...
- Each Recyclic Light Dimming Duration (darkest-brightest-darkest) is 16-20 seconds.
- Smooth, soft and gentle dimming light changes without any flash.
- 'Memory' function enables to remember the last brightness when re-power on this unit



Parameter

Part No.	Input	Current	Output	Load Type	Remarks	Dimensions
LC-2004	12-36VDC	1x8A	1x(96-288)W	Regular LED (0.04-0.1W)	Dim&Switch LED Touch only ON/OFF	33x82x20



■ Sensor Dimmer

Model: LC-2004B

Features

- High sensitivity.
- Detection range Max 6cm (IR Sensor).
- Length Sensor line is >1M.
- Light will be on/off when your hand appears/moves away in the sensing area and a light dimming duration will be happened when your hand stays in the sensing area for a while(cyclingdimming light: darkest-brightest-darkestbrightest...
- Each Recyclic Light Dimming Duration (darkest-brightest-darkest) is 16-20 seconds.
- Smooth, soft and gentle dimming light changes without any flash.
- 'Memory' function enables to remember the last brightness when re-power on this unit



Parameter

Part No.	Input	Current	Output	Load Type	Remarks	Dimensions
LC-2004	12-36VDC	1x8A	1x(96-288)W	Regular LED (0.04-0.1W)	only Switch LED Touch	33x82x20



Safety & Warnings

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- 2) IP20. Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- 3) Always be sure to mount this unit in an area with proper ventilation to avoid overheating.
- 4) Please check if the output voltage of any LED power supplies used comply with the working voltage of the product.
- 5) Never connect any cables while power is on and always assure correct connections to avoid short circuits before switching on.
- 6) Please ensure that the cable is secured tightly in the connector.
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 - Product has been updated
- 3) Repair or replacement as provided under this warranty is the exclusive remedy to the customer.

■ Sensor Switch

Model: LC-8001A

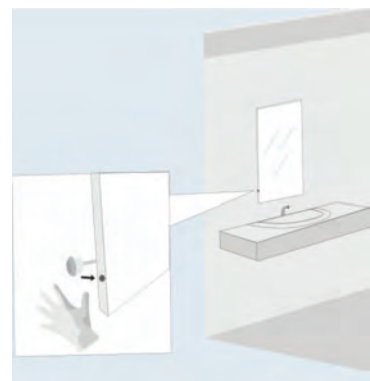


Features

- Any reflection within the detection range would cause the change ON. of switch and OFF when a new motion is detected (LC-8001A).
- Any reflection within the detection range would cause the status OFF of switch and no reflection to cause status ON of switch (LC-8001B).
- Detection range: 1-6cm.
- Dia. of Drilling hole: Ø 10mm.
- Load type: HV-Halogen lamps, LED lamps, Electronic ballast.
- Ideal for kitchen, furniture, mirror, etc.
- Two sensor shell can be chosen.

Parameter

Part No.	Input	Current	Output	Load Type	Remarks	Dimensions
LC-8001A	100-240VAC	5A	500W	Hv-Halogen Lamps, LED Lamps Electronic ballast	Hand wave to turn on/off	33x82x20
LC-8002	100-240VAC	5A	500W	Hv-Halogen Lamps, LED Lamps Electronic ballast	Detect touch to turn on/off	33x82x20
LC-8005	100-240VAC	5A	500W	Hv-Halogen Lamps, LED Lamps Electronic ballast	Detect touch to turn on/off	33x82x20



Operation

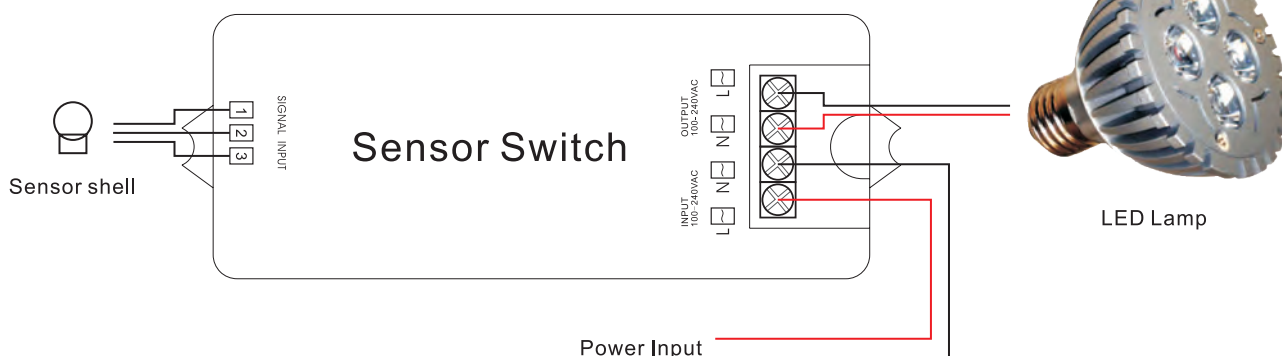
1. Product introduction

Sensor Switch is electronic switch that applied in switching on/off for lighting and other devices. At Present, Our sensor dimmers are mainly IR sensor switch(LC-8001A), LED Touched Sensor Switch (LC-8002), Insulated-Touch Switch(LC-8005).

2. Performance Parameter

LC-8001A/LC-8002/LC-8005 Constant Voltage Sensor Switch
 Input Voltage: 100-240VAC
 Load current: 1*5A
 Max. Load Power: 1*500W
 Working temperature: -20~+50
 Load Type: HV-Halogen lamps, LED Lamps, Electronic ballast

Dijagram spajanja



▪ Sensor Switch

Model: LC-8002



Features

- The transparent touch LED indicates the operating status of ON/OFF, Switch is to be changed between ON and OFF by touching LED.
- Can load HV-Halogen lamps, LED lamps, Electronic ballast
- Ideal for mirror, bathroom, etc



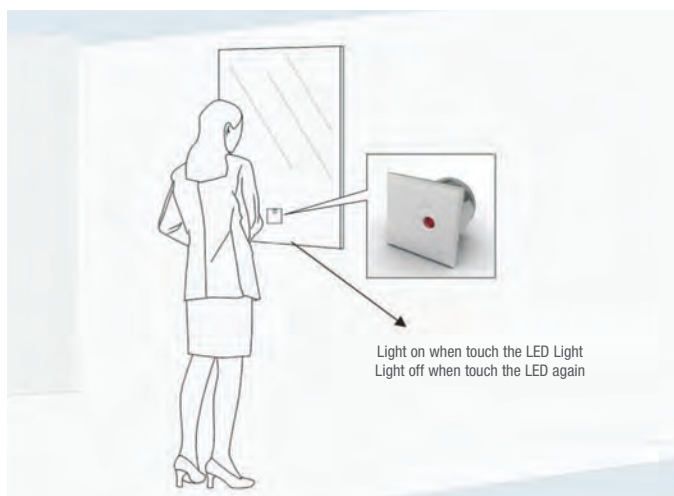
▪ Sensor Switch

Model: LC-8005



Features

- Rated power: max.500W
- Sensor line to the maximum length : Max. 15M.
- Can load HV-Halogen lamps, LED lamps, Electronic ballast
- Power on when press the LED light one time and power off when press the LED light again.
- Two sensor shell can be chosen.



▪ Sensor Switch

Model: LC-8001

Parameter

Part No.	Works with	Remarks	Type
LC-8001A-SH	LC-2901 (12-24VDC)	Hand wave to turn on/off	Only sensor
LC-8001B-SH	LC-2901 (12-24VDC)	For cabinet, door open light on; door close light OFF	Only sensor



▪ Sensor Switch

Model: LC-8002-SH, LC-8004-SH, LC-8005-SH

Parameter

Part No.	Works with	Remarks	Type
LC-8002-SH	LC-2901 (12-24VDC)	Detect touch to turn on/off	Only sensor
LC-8004-SH	LC-2901 (12-24VDC)	Detect human movement to turn	Only sensor
LC-8005-SH	LC-2901 (12-24VDC)	Detect touch to turn on/off	Only sensor



Safety & Warnings

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- Product has been updated

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▪ LED Driver

Model: LC-4113

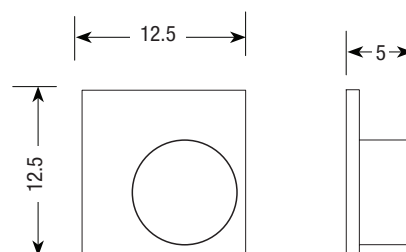


Features

- Wide input voltage range: 8-24VDC.
- 350Ma constant current output and Max: 6*1W load (When Vin=24VDC).
- Withstand a 60V peak voltage for 0.5 secondary.
- Comply with IEC EMC and safety requirement.
- PWM Dimming and Linear Dimming. (optional function)
- Including the inverse-polarity protection.
- Mounting Style: Wired
- An increase of 300-500ms of soft-start time.

Product Size

Dimensions LC-3001



Parameter

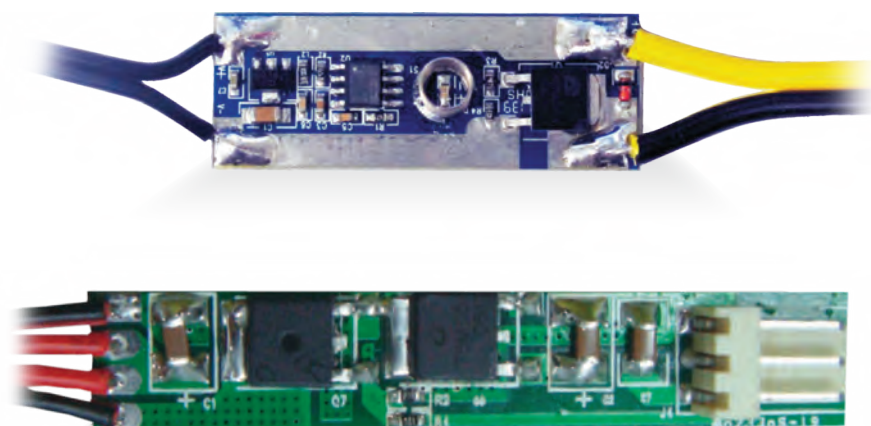
Part No.	Input Voltage	Max load Current	Max Output Power	Ta	Tc	Approval	Remarks
LC-4113	12-24VDC	350mA	9W	-20°C~+50°C	+75°C	CE/Rohs	CE/Rohs

Dijagram spajanja



▪ PCBA Mini Dimmer

Model: LC-2901, LC-2901S



Features

- Mini PCBA dimension
- low cost and high reliability
- to work with our various dimmer to form different function dimmer.

Parameter

Part No.	Max Load Current	Max output power	Load Type	Remarks
LC-2901	1x5A	1x(36-72)W	Regular LED (0.04-0.1W)	PWM input dimmer
LC-2901S	1x5A	1x(60-120)W	Regular LED (0.04-0.1W)	Insulated Touch



Operation

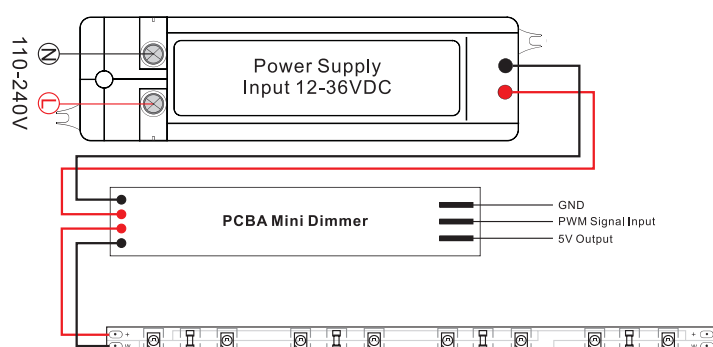
1. Product introduction

Mini PCBA, suitable for planting inside the lamp, cabinet lamp etc that requires dimming for itself. To work with our IR/Touch sensor head to establish different kinds of dimmer, PWM signal input Two Major types available(constant voltage, constant current), applicable for various LED products. Low cost and high stability.

2. Performance Parameter

LC-2901/LC-2901S Constant Voltage PCBA Mini Dimmer
 Input Voltage: 12-24VDC
 Working temperature: -20~+50°C
 Size:10x54x7 mm

Dijagram spajanja





▪ ECP-1030J / ECP-103AJ

60 - channel LED Wall Control Panel

Features

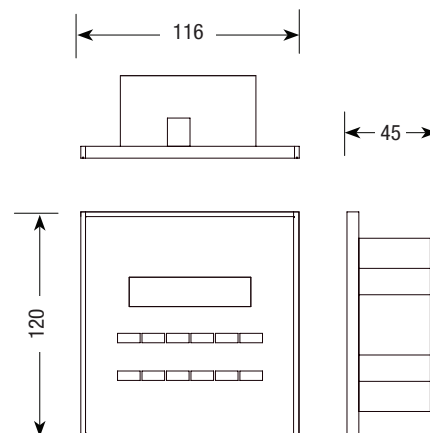
- Control 60 channels for RGB color mixing,
- 4 color mixing modes
- 40 programmable scenes
- 6 programmable chaser in 24 steps
- Event scheduler



Parameter

Part No.	Input Voltage	Protocol	Signal connector	Mounting	Weight
ECP-1030J ECP-103AJ	DC 12V	DMX-512	6P4C RJ11	mounts in US 2-gang box	300g

Product Size



Dijagram spajanja

