COLORS
Linear Lighting

Wall Mounted Touch Panel Series Specification

CP1-GBA CP2-GBA CP3-GBA CP4-GBA

Indoor CE RoHS

CP1-GBA

CP2-GBA

CP3-GBA

CP4-GBA

E-mail:colors@colorsled.com

Version : A/00

www.colorsled.com

【Features】

- 4096 levels 0-100% dimming smoothly without any flash.
- Match with RF 2.4G single zone dimming remote control.
- One RF controller accept up to 10 remote control.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.
- Connect with external push switch to achieve on/off and 0-100% dimming function.
- Over-heat / Over-load / Short circuit protection, recover automatically.
- Certification: CE, RoHS
- Warranty: 5 years.

【Technical Parameters】

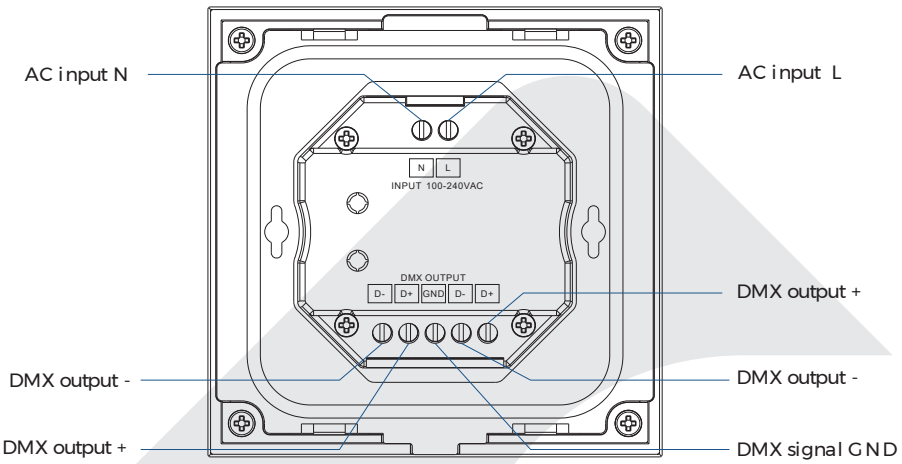
Item	Parameters			
Model No.	CP1-GBA	CP2-GBA	CP3-GBA	CP4-GBA
Light type	Single color	Dual color	RGB	RGBW
Output DMX channel number	4	8	12	16

Item	Parameters
Input voltage	100-240VAC
Input current	Max. 0.1A
Output signal	DMX512, RF 2.4GHz
Input signa	Touch key+RF2.4GHz
RF Control distance	30m（Barrier-free space)）
Dimming level	256 levels
Dimming range	0-100%
Operation temperature	-30℃ ~ 55℃
Case temperature (Max.)	65 ℃
Size	L86*W86*H33mm
IP rating	IP20
Certification	CE、RoHS
Warranty	5 years（Tc＜85℃）

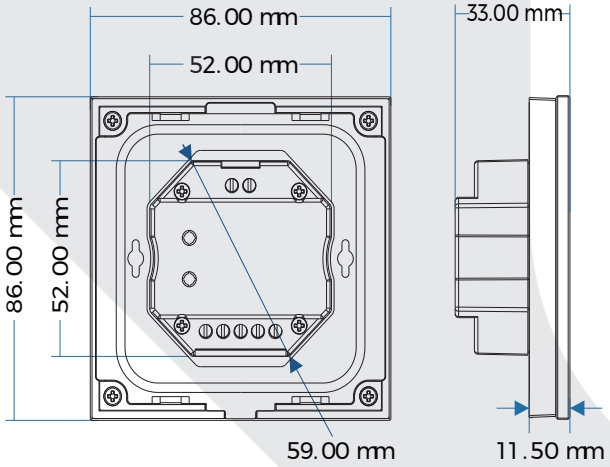
Remarks:
1、The above parameters are based on the standard test;
2、The above parameters are typical values.

【Mechanical Structures and Installations】

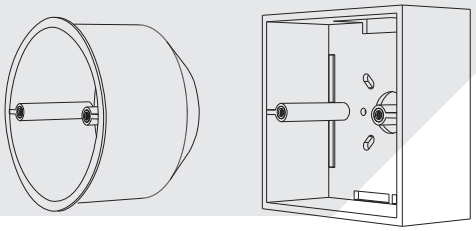
1. Mechanical Structures:



2. Dimensions:



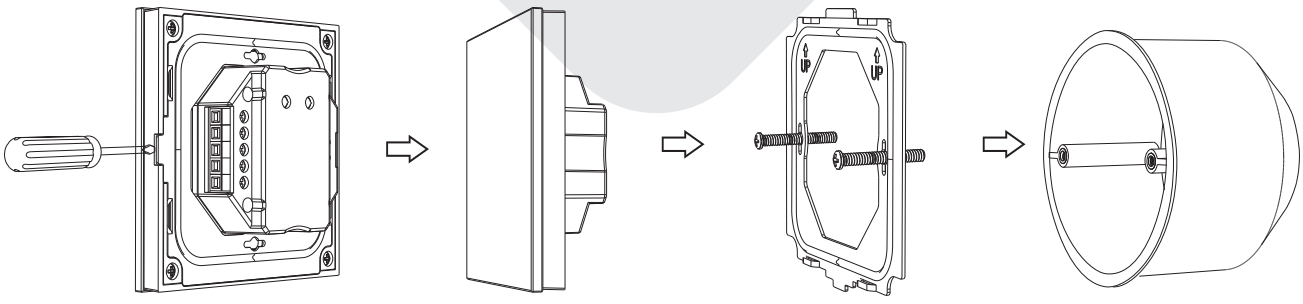
Typical base as below:



European style

86 size

3. Installation diagram:



Uninstall

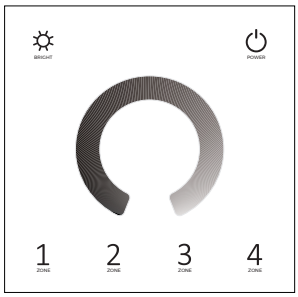
Touch panel

Baseplate

Base

【Key Fucntion】

CP1-GBA Single color panel



POWER —— Turn on/off allzonelight.

BRIGHT —— Brightness,10 levels.

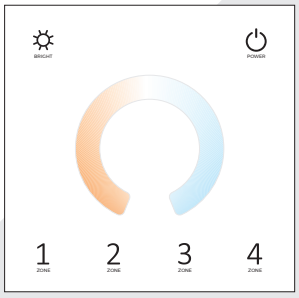
—— Brightness wheel.

1 ZONE 2 ZONE 3 ZONE 4 ZONE

Shot press turn on zone light and select zone simultaneouslylong press 2s turn off zone light.

4 zone control seperately or synchronously, each zone could control multiple receivers.

CP2-GBA Dual color panel



—— Turn on/off allzonelight.

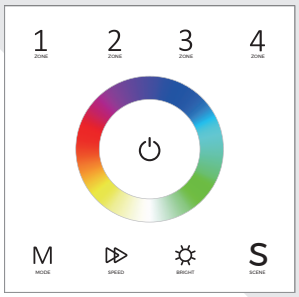
BRIGHT —— Brightness,10 levels.

—— Colortemperature wheel.

1 ZONE 2 ZONE 3 ZONE 4 ZONE

Shot press turn on zone light and select zone simultaneouslylong press 2s turn off zone light. 4 zone control seperately or synchronously, each zone could control multiple receivers.

CP3-GBA RGB panel



—— Turn on/off all zone light.

—— Color wheel.

M MODE —— Shot press play 10 built-in dynamic mode, long press 2s run mode-cycle.

SPEED —— Adjust dynamic mode speed or RGBcolorsaturation,10 levels.

BRIGHT —— Adjust brightness, 10 levels.

S SCENE —— Short press replay scene. Long press 2s to save the current color into the scene.

1 ZONE 2 ZONE 3 ZONE 4 ZONE

Shot press turn on zone light and select zone simultaneously long press 2s turn Off zone light. 4 zone control seperately or synchronously , each zone could control multiple receivers.

CP4-GBA RGBW panel

—— Turn on/off allzonelight.

—— Color wheel.

M MODE —— Shot press play 10 built-in dynamic mode, long press 2s run mode-cycle.

BRT/SPEED —— Adjustdynamicmodespeed or static color brightness,10 . levels

R RED G GREEN B BLUE W WHITE —— Shot press get red,green,blue,white, color long press adjust each color brightness.

1 ZONE 2 ZONE 3 ZONE 4 ZONE

Shot press turn on zone light and select zone simultaneously long press 2s turn off zone light. 4 zone control seperately or synchronously, each zone could control multiple receivers.

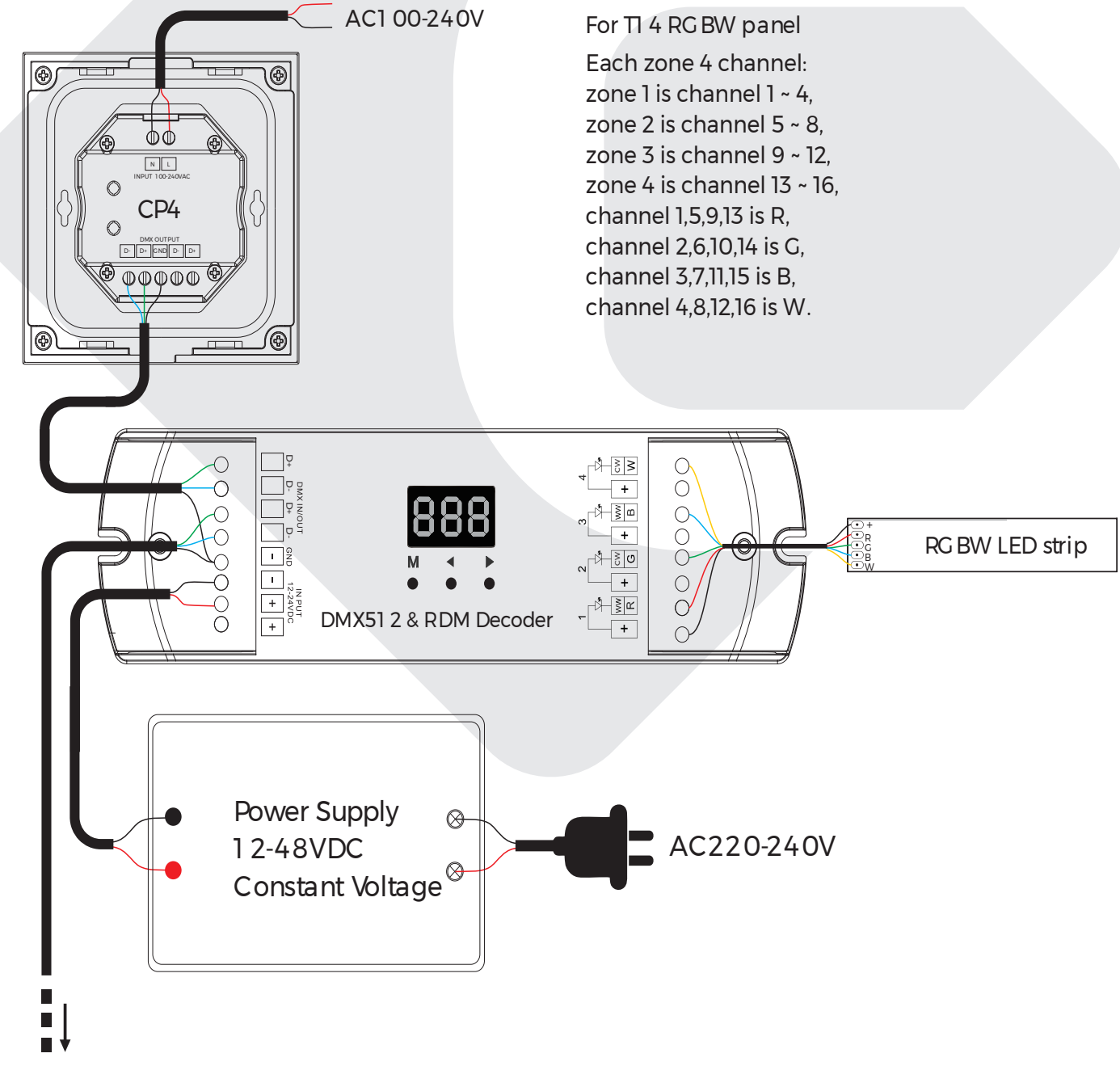
Turn on key tone: Long press power key for 5s when all zone light is off, will turn on or turn off key tone.

【DMX Feature Introduction】

1. After connect with DMX decoders, please set the DMX decoders address as below:

Model No.	T1 1	T1 2		T1 3			T1 4			
		WW	CW	R	G	B	R	G	B	W
Zone 1DMX decoder's address	1	1	2	1	2	3	1	2	3	4
Zone 2 DMX decoder's address	2	3	4	4	5	6	5	6	7	8
Zone 3DMX decoder's address	3	5	6	7	8	9	9	10	11	12
Zone 4DMX decoder's address	4	7	8	10	11	12	13	14	15	16

2. Wiring Diagram for touch panel work as DMX512 master



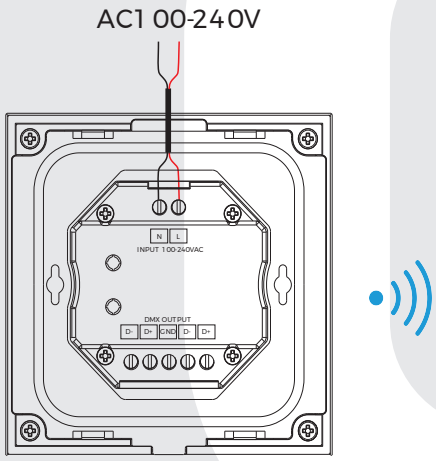
3. Touch Panel work as DMX512 master match RF remote

Touch panel 4 zone DMX512 master can also match with 4 zone RF remote (Optional).
End user can choose the suitable match/delete ways. Two options are offered for selection:

Operation	Use On/Off key	Use Power Restart
Match	Turn on light, turn off, immediately press the On/Off key of the panel for 5s, then press any zone key of the RF remote within 5s. The LED indicator fast flash 3 times means match is successful.	Switch off the power of the panel, then switch on power, repeat again.Immediately short press any zone key 3 times on the remote. The LED indicator fast flash 3 times means match is successful.
Delete	Turn on light, turn off, immediately press the On/Off key of the panel for 10s to delete all match, The LED indicator fast flash 6 times means all matched remotes were deleted.	Switch off the power of the panel, then switch on power, repeat again.Immediately short press any zone key 5 times on the remote. The LED indicator fast flash 6 times means all matched remotes were deleted.

【RF2.4G Feature Introduction】

1. Wiring Diagram for touch panel work as RF remote



2. Touch Panel work as RF remote

Touch panel 4 zone remote can match with RF controller for the corresponding light type.
End user can choose the suitable match/delete ways. Two options are offered for selection:

Operation	Use the controller’ s Match key	Use Power Restart
Match	Short press match key, immediately press on/off key (single zone remote) or zone key (multiple zone remote) on the remote. The LED indicator fast flash a few times means match is successful.	Switch off the power, then switch on power again, immediately short press on/off key (single zone remote)or zone key (multiple zone remote) 3 times on the remote. The light blinks 3 times means match is successful.
Delete	Press and hold match key for 5s to delete all match, The LED indicator fast flash a few times means all matched remotes were deleted.	Switch off the power, then switch on power again, immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

3. RGB/RGBW Dynamic mode list

NO.	Name	NO.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Color temperature smooth	10	White fade in and out

【Packing】

1、Packing list:

Model	Panel	Manual	Baseplate	Fixed Card	Self-tapping screws	PE Bag	Individual box
CP1-GBA	1PCS	1PCS	1PCS	1PCS	2PCS	2PCS	1PCS
CP2-GBA	1PCS	1PCS	1PCS	1PCS	2PCS	2PCS	1PCS
CP3-GBA	1PCS	1PCS	1PCS	1PCS	2PCS	2PCS	1PCS
CP4-GBA	1PCS	1PCS	1PCS	1PCS	2PCS	2PCS	1PCS

2、Packaging Information:

Model	Individual box size	Quantity/ box	Number / Box	net weight (kg)	Net weight per carton (kg)	Gross weight (kg)	Carton size (mm)
CR1-GBA	L110*110*58 mm	1PCS	100PCS	0.180	18	20.6	350*240*230
CR2-GBA	L110*110*58 mm	1PCS	100PCS	0.182	18.2	20.8	350*240*230
CP3-GBA	L110*110*58 mm	1PCS	100PCS	0.193	19.3	21.9	350*240*230
CP4-GBA	L110*110*58 mm	1PCS	100PCS	0.211	21.1	23.7	350*240*230

【Precautions】

- Read all instructions carefully before you begin this installation.
- Panel placement may offer up to 30m communication distance. M etals and other metal materials will reduce the range. Strong signal sources such as WiFi routers and microwave ovens will affect the range. We recommend for indoor applications that receiver placements should be no further apart than15m.
- The product should only be used indoors and in dry environments .
- If no response from the p anel , please re-match the remote.
- Gently handle remote, be ware of falling.
- For indoor and dry location use only.