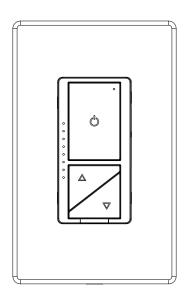
DNA042CU3-ZB-600-P

Installation Instructions LED Dimmer Switch

V0. 03

Works with DIMMABLE LED ,CFL, Incandescent and halogen bulbs.



Model No.	DNA042CU3-ZB-600-P		
Rated Voltage	120V		
Rated Frequency	60Hz		
Rated Wattage	600W		
Load Bango	Incandescent:15W-600W		
Load Range	LED/CFL:3W-200W		
Dimming method	Phase-cut		
Working	Temperature: 0°C - 40°C		
Environment	Humidity: 10% R.H 90% R.H.		
Model Size	105 mm×44 mm×35mm (L×W×H)		

- Risk of fire and electrical shock, the dimmer should be installed in accordance with appropriate electrical codes and regulations.
- This product should be use together with an upstream air-switch.
- Turn power off at circuit breaker or fuse and test that power is off before installing.
- After install the dimmer, it is recommended to set the minimum brightness level to make bulbs turn on immediately.
- If you are unsure about any part of these instructions, consult a licensed electrician.
- To reduce the risk of overheating and possible damage to other equipment, do not install to control a receptacle, a motor-operated appliance or a transformer-supplied appliance.
- Use with compatible dimmable LED, CFL bulbs, Incandescent or halogen bulbs only.
- When multiple bulbs are used with one dimmer DO NOT mix bulb types. All bulbs shall be either LE D,CFL or incandescent.
 Using the same model of each bulb will enhance dimmer performance.

RF EXPOSURE STATEMENT

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

This equipment meets the exemption from the routine evaluation limits in section 2.5 of RSS-102. It should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Cet équipement est conforme à l'exemption des limites d'évaluation habituelle de la section 2.5 de la norme RSS-102. Il doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et toute partie de votre corps.

IC Information

suivantes:

This device contains licence-exempt transmitter(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:(1) This device may not cause interference.and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions

- 1. L'appareil ne doit pas produire de brouillage;
- 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

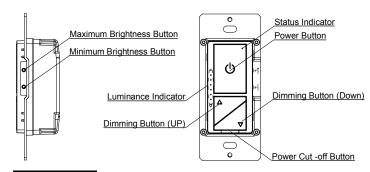
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC CAUTION

Any changes or modifications to this unit not expressly approved by the manufacture could void the user's authority to operate the equipment.

Functional parts instructions



Status Indicator

- Indicator lights red: OFF status.
- Indicator lights white: ON status.
- White Indicator flashing: enter distribution network mode.

Short press: Within 0.5s Long press: Over 0.5s.

Continuous short press: Each interval of short press should within 0.3s.

Maximum Brightness Button

 Setting the maximum brightness: There are six maximum brightness levels, short press the button of maximum brightness once can change a maximum brightness level.

Minimum Brightness Button

 Setting the minimum brightness: There are six minimum brightness levels, short press the button of minimum brightness once can change a minimum brightness level.

Power Buttor

- Turn on: Short press once when in OFF.
- Turn off: Short press once when in ON.
- Distribution network mode: when the light is on, press 5 times continuously. After the status indicator flashes (On and off once every 2 seconds), the mobile phone can connect the dimmer. (if not connected, exit the distribution network mode after 3 minutes).
- Short press the power button six times to set the ideal minimum brightness when in ON status.
- Short press the pow er button eight times to set the ideal maximum brightness when in ON status.
- Continuous short press ten times and the status indicator flash three times to restore the factory default settings, the default brightness is the maximum brightness.

Dimming Button (UP)

- Brightness increase: Short press the dimming button (UP) once can increase a level of brightness when in ON status.
- Brightness increase continuous:Long press the dimming button (UP) can continuous to increase the brightness until reach the maximum brightness.
- Quickly to full brightness:Continuous short press two times when in ON/OFF status to turn quickly to the maximum brightness.

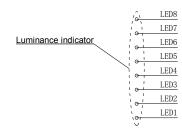
Dimming Button (Down)

- Brightness decrease: Short press the dimming button (Down) once can decrease a level of brightness when in ON status.
- Brightness decrease continuous:Long press the dimming button (Down) can continuous to decrease the brightness until reach the minimum brightness.
- Quickly to minimum brightness:Continuous short press two times when in ON/OFF status to turn quickly to the minimum brightness.

Power Cut -off Button

- Put in the power cut-off button to connect the power.
- Put out the power cut-off button to cut off the power.

Luminance Indicator

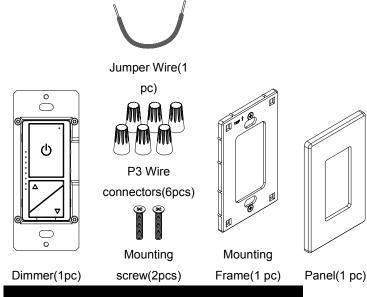


Luminance Indicator Table

Item Luminance Level		Luminance Level	Luminance Indicator
1 Luminance Level 1-5		Luminance Level 1-5	LED 1 normally on
	2	Luminance Level 6-10	LED 1∼LED 2 normally on

3	Luminance Level 11-15	LED 1∼LED 3 normally on
4	Luminance Level 16-20	LED 1 \sim LED 4 normally on
5	Luminance Level 21-25	LED 1∼LED 5 normally on
6	Luminance Level 26-30	LED 1∼LED 6 normally on
7	Luminance Level 31-35	LED 1 \sim LED 7 normally on
8	Luminance Level36-40	LED 1~LED 8 normally on

Parts Information



Tools needed to install your Dimmer

Ф3mm Slotted	Φ5mm Philips	Electrical	Cutters
Screwdriver	Screwdriver	Tape	Outtors
Pliers	Test Pencil	Ruler	

Installation and testing



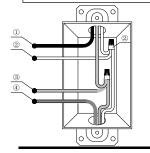
/!\ WARNING: To avoid fire and electrical shock, TURN

OFF POWER at circuit breaker or fuse and test that power is off before wiring.

Step 2 Removing existing switch: Remove existing wall plate and switch mounting screws. Carefully pull switch from wall box, identify and take out the wires attached to the switch, then remove the switch. DO NOT remove wires which are taken out from the switch at this time.(If new configuration is without this step)

Step 3 Identifying your wiring application

NOTE:If the wiring in the wall box does not resemble any of these configurations, consult an electrician.



Single-Pole

①Line (Hot)

②Neutral ③Ground

4 Load

3-Way ①Line or Load

(See note below) ②Neutral

(3)Ground

4)Traveler 1

⑤Traveler 2

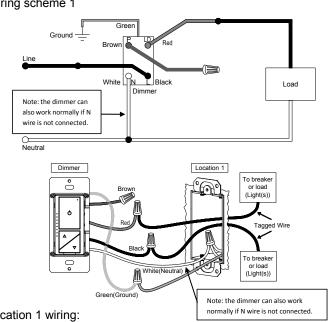
Please note that for 3-way application, there have a power cord from the original switch be a different color (Black) or marked Common. Finding this power cord from both the dimmer's junction box and 3-way junction box and marking as common (live or load).

Step 4 Typical wiring application

Power supply mode: Live wire or Neutral and Live wire. (Note: If there is Neutral and Live wire condition, please connect to Neutral and Live wire for better compatibility.)

Step 4a Single-Pole

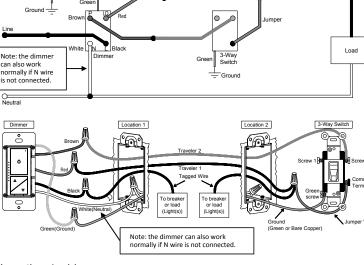
Wiring scheme 1



- Location 1 wiring:
- Connect the green wire on the dimmer with the green or bare copper ground wire on the wall box and tighten it by screwing the P3 wiring nut.
- Connect the black wire on the dimmer with the live wire of the circuit breaker or load wire and tighten it by screwing the P3
- Connect the white wire on the dimmer with the neutral wire, and tighten it by screwing the P3 wiring nut. (Note: the dimmer can also work normally if N wire is not connected.)
- Connect the red wire on the dimmer with the live wire of the circuit breaker or load wire and tighten it by screwing the P3
- Protect the remaining brown wire on the dimmer by screwing the P3 wiring nut.

Step 4b-1 3-Way(3-way Switch)

Wiring scheme 2



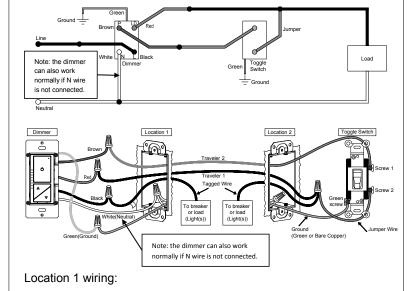
Location 1 wiring:

- Connect the green wire on the dimmer with the green or bare copper ground wire on the wall box and tighten it by screwing the P3 wiring nut.
- Connect the black wire on the dimmer with the live wire of the circuit breaker or load wire and tighten it by screwing the P3 wiring nut.
- Connect the white wire on the dimmer with the neutral wire, and tighten it by screwing the P3 wiring nut. (Note: the dimmer can also work normally if N wire is not connected.)
- Connect the brown wire on the dimmer with Traveler 2 and tighten it by screwing the P3 wiring nut.
- Connect the red wire on the dimmer with Traveler 1 and tighten it by screwing the P3 wiring nut.

- Connect Traveler 2 with Screw 1 or Screw 2 of the 3-way
- Connect the 3-way Switch Common Terminal with the Jumper wire, then connect Traveler 1 with the Jumper wire, as well as the live wire of the circuit breaker or load wire, and tighten it by screwing the P3 wiring nut.

Step 4b-2 3-Way(Toggle Switch)

Wiring scheme 2



• Connect the green wire on the dimmer with the green or bare copper ground wire on the wall box and tighten it by screwing

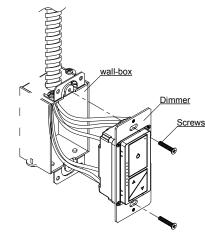
- the P3 wiring nut.
- Connect the black wire on the dimmer with the live wire of the circuit breaker or load wire and tighten it by screwing the P3 wiring nut.
- Connect the white wire on the dimmer with the neutral wire, and tighten it by screwing the P3 wiring nut. (Note: the dimmer can also work normally if N wire is not connected.)
- Connect the brown wire on the dimmer with Traveler 2 and tighten it by screwing the P3 wiring nut.
- Connect the red wire on the dimmer with Traveler 1 and tighten it by screwing the P3 wiring nut.

Location 2 wiring:

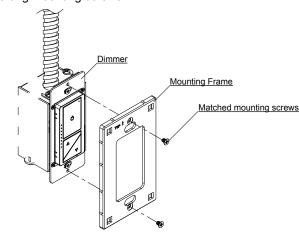
- Connect Traveler 2 with Screw 1 of the Toggle Switch.
- Connect Screw 2 of the Toggle switch with the Jumper wire, then connect Traveler 1 with the Jumper wire, as well as the live wire of the circuit breaker or load wire, and tighten it by screwing the P3 wiring nut.

Step 5 Installing dimmer

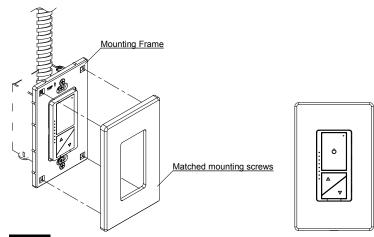
Carefully position all wires inside the wall-box, leaving enough space to insert the dimmer and tighten with the matched screws.



- Step 6 Install the panel
- Step 6a Split panel
- Install the mounting frame on the dimmer and secure it with the supporting mounting screws.

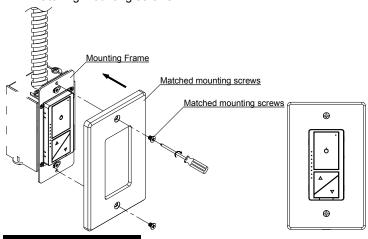


Put the panel and mounting frame together, press gently to make sure it is be installed firmly.



Step 6b Integrated panel

Place the panel on the mounted dimmer and secure it with the matching mounting screws.



Using instruction

Short press: within 0.5 second.

Long press: more than 0.5 second.

Continuous short press:The interval between two short presses is less than 0.3 second.

Function instruction

Table 1 Single - Pole Function table

Function	Dimmer Operation Way	Dimmer	APP	
Function	Diffiller Operation way	Operation	Operation	
Distribution network	Continuous short press	J	×	
mode	power button 5 times	V		
ON/OFF	Short press the power	<i>√</i>		
ON/OIT	button once	v	· ·	
Time switch on/off	NOT	×	√	
Dimming	Short or long press the	√		
Diffilling	power button UP/DOWN	v	, v	
Quickly turn to the	Continuous short press			
maximum brightest	the dimming Button (UP)	√	√	
maximum brightest	twice			
Quickly turn to the	Continuous short press			
Quickly turn to the minimum brightest	the dimming Button	√	√	
minimum briginest	(DOWN) twice			
Cotting the manyimum	Short press maximum			
Setting the maximum	brightness button	√	×	
brightness	Continuous short press			

	the power button eight		
	times		
	Short press minimum		
Setting the minimum	brightness button	,	×
brightness	Continuous short press	√	^
	the power button six times		
Destore featers	Continuous short press		
Restore factory	the power button ten	√	×
Settings	times		
Shared device	NOT	×	√
group control	NOT	×	√

Table2 3 - way Function table

			3-way	
	Dimmer Operation	Dimmer	Switch or	APP
Function		Operation	Toggle	Opera
	,	Operation	Switch	tion
			Operation	
Distribution network mode	Continuous short			
	press power button	√	×	×
	5 times			
ON/OFF	Short press the	√	√	
	power button once		·	
Time switch on/off	NOT	×	×	√
	Short or long press			
Dimming	the power button	√	×	√
	UP/DOWN			
Quickly turn to	Continuous short			
the maximum	press the dimming	√	×	√
brightest	Button (UP) twice			
Quickly turn to	Continuous short		×	
the minimum	press the dimming	√		√
brightest	Button (DOWN)	•		
J. Ig. 11001	twice			
	Short press		×	×
Setting the	maximum			
maximum	brightness button			
brightness	Continuous short			
	press the power			
	button eight times			
	Short press		×	×
Setting the	minimum			
minimum	brightness button	↓		
brightness	Continuous short			
	press the power			
	button six times			
Restore factory	Continuous short			
Settings	press the power	√	×	×
	button ten times			
Shared device	NOT	×	×	√
group control	NOT	×	×	√

On line operation can stop the mobile App operation; when on line operating, App can't operate.

Troubleshooting

Problems	Possible Cause	Solution	
	Lamp has a bad	Reconnect and fix the	
	connection.	wires.	
	One dimmer been		
	connected to multiple	Change bulbs to same	
	types bulbs, incur		
	interference and cause	type.	
Lights flickering	flicker.		
		Put the power cut-off	
		button out and cut off	
	Abnormal	the power, then put the	
	AMIOIIIIAI	power cut-off button in	
		and connect the power	
		on again.	
LED and CFL	Load compatibility is not	Turn up lamp minimum	
flickers at low end of	good.	brightness properly.	
dimming range.	g	angumeet property.	
	Circuit breaker has	Turn power on	
	tripped.		
Lamps can't be turn	Fuse burn out	Change fuse	
on	Lamp burned out	Change lamp	
	Lamp neutral	Reconnect the lamp	
	connection is not wired	neutral	
		Pull out the power	
Lights out of control		cut-off switch and	
or unable to connect	abnormal	disconnect the power	
to the network	abiloilliai	supply; Insert the powe	
to the network		cut-off switch and turn	
		on the power again;	
The dimmer cannot	wiring connections error or disconnected	Check the wiring	
be operated in 3-way connection	3-way switch is	Replace the 3-way	
	abnormal	switch	

Distribution network

Continuous short press:

The interval between two short presses is less than 1 second

• Network mode: when the light is on, press the on key continuously for 5 times. After the status indicator blinks quickly (on and off once every 2 seconds), the phone can be connected to the dimmer. (if it is not connected, exit the network mode after 3 minutes).

Supports Amazon Echo Plus and Philips Hue control.

Mobile app operation

Step 1 Download the 'Smart Life' App

• Use your mobile device to scan the QR code below or search for "Smart Life" in the App Store or Google play to download and install the app.



Step 2 Register an account and Login

• Open the Smart Life app,click Register to create an account and login.



Step 3 Add the ZigBee gateway

Click on the top right , click Add Device;

 Click **Gateway Control** and then click^(Z/gbee), to enter the device connection interface.





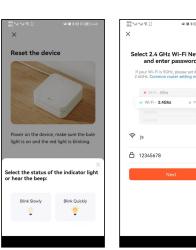
Make sure the App control indicator LED1 is blinking, click

Blink Quickly

Confirm the indicator is blinking..., click

• Enter your home Wi-Fi password, click Next, and wait for the connection.

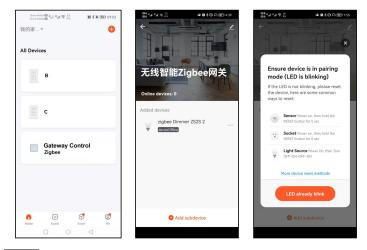




Step 4 Add dimmer

- Distribution network mode: when the light is on, press switch continuously for 5 times. After the status indicator blinks quickly (on and off once every 2 seconds), the phone can be connected to the dimmer. (if it is not connected, exit the network mode after 3 minutes).

already blink, and wait for connection.



Step 5 Use the phone App to control dimmer

Click Power ,control the light on and off function of the dimmer.

Brightness: 71%

Slide
,and then dimming.





- ClickSchedule, to set the timer light on and off function of the dimmer.
- Add timing and save.







- After the dimmer is connected, it can be shared with multiple people, that is, one dimmer can be controlled by multiple apps.
- Click the upper right corner to _____,enter the device details interface.
- Click Share Device, to enter the Device sharing interface and add family members.



