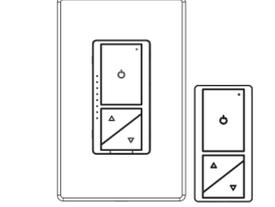# Light Lotus

Installation Instructions For Smart Dimmer Switch

Works with DIMMABLE LED ,CFL,
Incandescent and halogen bulbs

Model No.	DNA042CU2-W-600-R-P
Working Voltage	120V/60Hz
Working Frequency	2.4GHz
Rate Power	600W
Load Range	Incandescent:15W-600W LED / CFL:3W-200W
Dimming Mode	Phase-Cut
Work Environment	Temperature 32°F-104°F Humidity:10% R.H. - 90% R.H.
Size	4.13X1.73X1.26inch (LXWXH)

⚠ WARNINGS AND CAUTIONS

- To avoid risk of fire and electrical shock, the dimmer should be installed in accordance with appropriate electrical codes and regulations.
- This product should be use with 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 moto-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 LED, CFL or incandescent. Using the same model of each bulb will enhance dimmer performance.

⚠ WARNING

- Chemical Burn Hazard. Keep batteries away from children.
- This product contains a lithium button/coin cell battery. If a new or used lithium button/coin cell battery is swallowed or enters the body, it can cause severe internal burns and can lead to death in as little as 2 hours. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- The cells shall be disposed of properly, including keeping them away from children.
- Even used cells may cause injury.

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.

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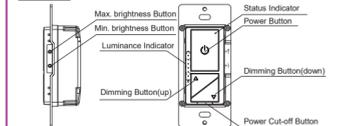- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

Dimmer

Status Indicator
- Constant red light: when the light is off and the APP is not connected.
- Constant white light: when the light is on and the APP is not connected.
- Constant white light: The APP is connected.
- White Indicator flashing: enter distribution network mode.
- Red Indicator flashing: The remote control enter pairing mode.
  - Short Press:within 0.5 seconds;
  - Long Press:over 0.5 seconds;
  - Continuous short press: Each interval of short press should within 0.3 seconds;

Max. Brightness Button
- Setting the max. brightness: There are 6 max. brightness levels, short press the button of max. brightness once can change a max.brightness level.

Min. Brightness Button
- Setting the min. brightness: There are 6 min. brightness levels, short press the button of min. brightness once to change a min. brightness level.

Power Button
- Turn on: Short press power button once when in OFF.
- Turn off: Short press power button once when in ON.
- Pairing mode: Press the power button (dimmer) 7 times continuously when in ON. After the status indicator blinks, press the power button (remote control) once within 15s and pair up to 3 remote controls. If there is a fourth remote control pair, it will automatically clear the pairing of the first remote control.(①If the dimmer needs to be paired with multiple remote controls, the operation should be repeated according to the pairing mode.)

RF EXPOSURE (second column)

- Distribution network mode: Press the power button (dimmer) 5 times continuously when in ON. After the status indicator blinks, the mobile phone will connect to the dimmer (if it's not connected, it will exit matching network mode after 3 minutes).

Note:
- When matching network mode, turn on your phone's Wi-Fi and Bluetooth at the same time for fast pairing mode.
- In case of Wi-Fi disconnection, turn on the Bluetooth when the wireless Internet function of the phone is normal. After 3 minutes, the dimmer can be controlled by the APP phone.

- Min. brightness setting: short press the power button 6 times to turn the light to ideal min. brightness when in ON.
- Max. brightness setting: short press the power button 8 times to turn the light to ideal max. brightness when in ON.
- Clear Brightness Setting: Continuous short press the power button 9 times when in ON.
- Restore factory setting: Short press the power button 10 times, the status indicator blinks 3 times to restore factory setting. (1.The light is in the brightest state when it turn on . 2. Clear all remote control pairing.)

Status Indicator
Indicator lights white: Press any button once.

Power Button
- Turn on: Short press any button once when in OFF
- Turn off: Short press power button once when in ON.
- Remote control pairing mode: When the dimmer enters the pairing mode, press the power button (remote control) once within 15s. The dimmer will pair with the remote control. After the pairing is successful, the status indicator will stop flashing. One remote can be paired with multiple dimmers at the same time.

Dimming Button (UP)
- Short press the dimming button once to increase a level of brightness when in ON status.
- Long press the dimming button continuously to increase the brightness until release or reached max. brightness.
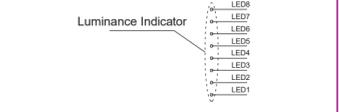- Continuous short press 2 times when in ON / OFF status to turn quickly to the max. brightness.

Dimming Button (Down)
- Short press the dimming button once to decrease a level of brightness when in ON status.
- Long press the dimming button continuously to decrease the brightness until release or reached min. brightness.
- Continuous short press 2 times when in ON/OFF status to turn quickly to the min. brightness.

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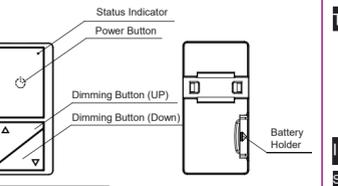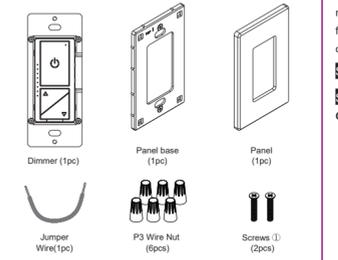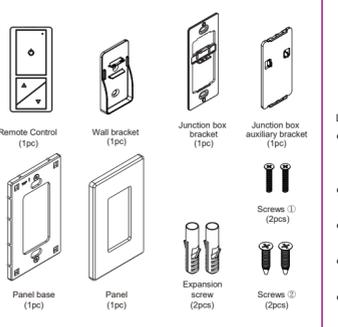- Put out the power cut-off button to cut off the power.

Luminance Indicator

Item	Luminance Indicator	Luminance Indicator
1	Luminance Level 1-2	LED 1normally on
2	Luminance Level 3-4	LED 1~LED 2 normally on
3	Luminance Level 5-6	LED 1~LED 3 normally on
4	Luminance Level 7-8	LED 1~LED 4 normally on
5	Luminance Level 9-10	LED 1~LED 5 normally on
6	Luminance Level 11-12	LED 1~LED 6 normally on
7	Luminance Level 13-14	LED 1~LED 7 normally on
8	Luminance Level 15-16	LED 1~LED 8 normally on

Remote Control

Note:
1. The battery of the remote control can be replaced.
2. Battery model: CR2032.

Third column content

Status Indicator
Indicator lights white: Press any button once.

Power Button
- Turn on: Short press any button once when in OFF
- Turn off: Short press power button once when in ON.
- Remote control pairing mode: When the dimmer enters the pairing mode, press the power button (remote control) once within 15s. The dimmer will pair with the remote control. After the pairing is successful, the status indicator will stop flashing. One remote can be paired with multiple dimmers at the same time.

Dimming Button (UP)
- Short press the dimming button once to increase a level of brightness when in ON status.
- Long press the dimming button continuously to increase the brightness until release or reached max. brightness.
- Short press the dimming button 2 times quickly to set the max. brightness when in on/off status.

Dimming Button (Down)
- Short press the dimming button once to decrease a level of brightness when in ON status.
- Long press the dimming button continuously to decrease the brightness until release or reached min. brightness.
- Short press the dimming button 2 times quickly to set the min. brightness when in on/off status.

Accessory Information

Dimmer accessories

| Dimmer (1pc) | Panel base (1pc) | Panel (1pc) |

| Jumper Wire(1pc) | P3 Wire Nut (6pcs) | Screws (2pcs) |

Remote control accessories

| Remote Control (1pc) | Wall bracket (1pc) | Junction box bracket (1pc) | Junction box auxiliary bracket (1pc) |

| Panel base (1pc) | Panel (1pc) | Expansion screw (2pcs) | Screws (2pcs) |

Tools Needed To Install

- Ø5mm Philips Screwdriver — Test Pencil
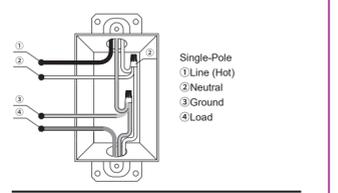- Electrical Tape — Plier
- Cutter — Ruler

Installation

Step 1 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 Remove existing switch: Remove the screws installed on the existing panel and switch. Carefully pull out the switch from the wall box, identify and remove the wires attached to the switch, and remove the switch, do not remove the wires detached from the switch. (This step is not required for new configuration installation.)
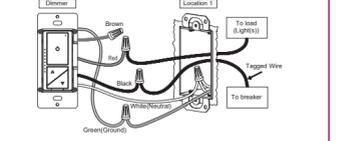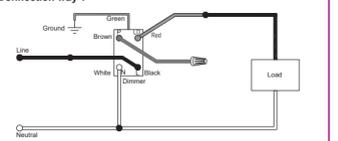
Step 3 Identify the circuit type
Note: If the wires in the wall box is different from the following layouts, please consult an electrician.

Single-Pole
①Line (Hot)
②Neutral
③Ground
④Load

3-way
①Line or Load (See note below)
②Neutral
③Ground
④Traveler 1
⑤Traveler 2

Please note that for 3-way application, wires from the original switch may be a different color (Black) or marked Common.Find this wire from both the dimmer's junction box and 3-way junction box and as common (live or load).

Step 4 Typical wire connection
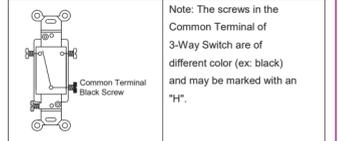
Step 4a Single-Pole
Connection way 1

Location 1 Connection:
- Connect the green wire on the dimmer to the green or bare copper ground wire on the wall box, and tighten it with the P3 wiring nut.
- Connect the black wire on the dimmer to the live wire of the circuit breaker, and tighten it with the P3 wiring nut.
- Connect the white wire on the dimmer to the neutral wire, and tighten it with the P3 wiring nut.
- Connect the red wire on the dimmer to the load wire, and tighten it with the P3 wiring nut.
- Use P3 wiring nut to tighten the brown wire on the dimmer to protect it.

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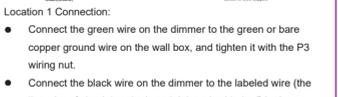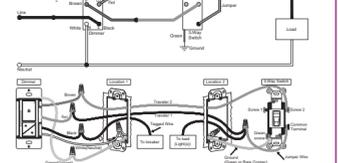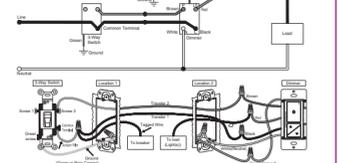**Step 4b-1** 3-Way (3-way Switch)

Note:
When in 3-Way connection, mark the two ends of Traveler1 and Traveler 2 cables clearly at Location 1 and Location 2 to prevent connection errors.

Note: The screws in the Common Terminal of 3-Way Switch are of different color (ex: black) and may be marked with an "H".

Common Terminal Black Screw

Dimmer Line Side Connection way 2

Location 1 Connection:
- Connect the green wire on the dimmer to the green or bare copper ground wire on the wall box, and tighten it with the P3 wiring nut.
- Connect the black wire on the dimmer to the labeled wire (the live wire of circuit breaker), and tighten it with the P3 wire nut.
- Connect the white wire on the dimmer to the neutral wire, and tighten it with the P3 wiring nut.
- Connect the brown wire on the dimmer to Traveler 2, and tighten it with the P3 wiring nut.
- Connect the red wire on the dimmer to Traveler 1, and tighten it with the P3 wiring nut.

Location 2 Connection:
- Connect the Traveler 2 to Screw 1 or Screw 2 of the 3-way Switch.
- Connect the 3-way Switch's Common Terminal to the Jumper wire. Traveler 1 is connected to the Jumper wire and load wire and tighten it with the P3 wiring nut.

Dimmer Load Side Connection way 3

Location 1 Connection:
- Traveler 2 is connected to Screw 1 or Screw 2 of the 3-way Switch.
- The Common Terminal of the 3-way Switch is connected to the Jumper wire; Traveler 1 is connected to the Jumper wire, as well as the live wire of circuit breaker, and tighten it with the P3 wiring nut.
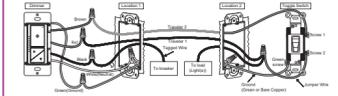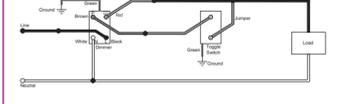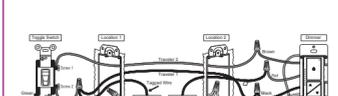
Location 2 Connection:
- Connect the green wire on the dimmer to the green or bare copper ground wire on the wall box, and tighten it with the P3 wiring nut.
- Connect the black wire on the dimmer to Traveler 1, and tighten it with the P3 wiring nut.
- Connect the white wire on the dimmer to the neutral wire, and tighten it with the P3 wiring nut.
- Connect the brown wire on the dimmer to Traveler 2, and tighten it with the P3 wiring nut.
- Connect the red wire from the dimmer to the labeled wire (the load wire), and tighten it with the P3 wiring nut.

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

Note: When in 3-Way connection, mark the two ends of Traveler 1 and Traveler 2 cables clearly at Location 1 and Location 2 to prevent connection errors.
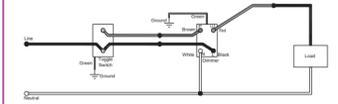
Dimmer Line Side Connection way 4

Location 1 Connection:
- Connect the green wire on the dimmer to the green or bare copper ground wire on the wall box, and tighten it with the P3 wiring nut.
- Connect the black wire on the dimmer to the labeled wire (the live wire of circuit breaker), and tighten it with the P3 wire nut.
- Connect the white wire on the dimmer to the neutral wire, and tighten it with the P3 wiring nut.
- Connect the brown wire on the dimmer to Traveler 2, and tighten it with the P3 wiring nut.
- Connect the red wire on the dimmer to Traveler 1, and tighten it with the P3 wiring nut.

Location 2 Connection:
- Connect the Traveler 2 to the screw 1 of Toggle Switch
- Connect the 2 of Toggle Switch to the Jumper wire; Traveler 1 is connected to the Jumper wire as well as the load wire, and tighten it with the P3 wiring nut.
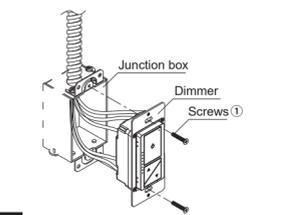
Dimmer Load Side Connection way 5

Location 1 Connection:
- Connect the Traveler 2 to the screw 1 of Toggle Switch
- Connect the screw 2 of Toggle Switch to the Jumper wire; Traveler 1 is connected to the Jumper wire as well as the live wire of the circuit breaker, and tighten it with the P3 wiring nut.
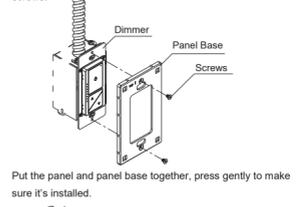
Location 2 Connection:
- Connect the green wire on the dimmer to the green or bare copper ground wire on the wall box, and tighten it with the P3 wiring nut.
- Connect the black wire on the dimmer to Traveler 1, and tighten it with the P3 wiring nut.
- Connect the white wire on the dimmer to the neutral wire, and tighten it with the P3 wiring nut.
- Connect the brown wire on the dimmer to Traveler 2, and tighten it with the P3 wiring nut.
- Connect the red wire on the dimmer to the labeled wire (the load wire), and tighten it with the P3 wiring nut.
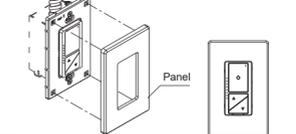
Step 5 Install the dimmer
- Carefully position all wires inside the wall-box, leaving enough space to insert the dimmer. Secure the dimmer with the provided mounting screws①.
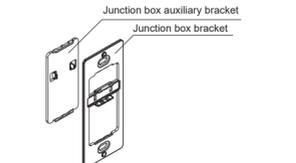
Remote control installation column

Step 6 Install the dimmer - panel installation
- Install the panel base on the dimmer and tighten it with the screws.

- Put the panel on the panel base, press gently to make sure it is installed.

- Put the panel and panel base together, press gently to make sure it's installed.

Step 7 Installing the base to fixed the remote control
Step 7a-1 Installation the junction box with panel
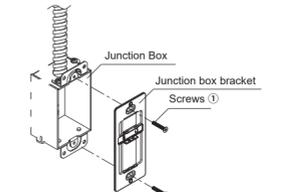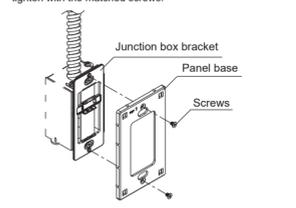- Install the Junction box auxiliary bracket on the Junction box bracket.

- Put the panel on the panel base, press gently to make sure it installed.

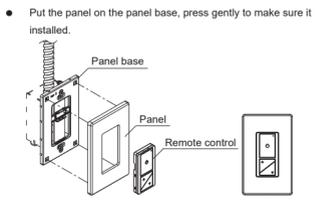- Secure the junction box bracket with the mounting screws ① provided.

Step 7a-2 Installing the panel
- Install the panel base on the Junction box bracket and tighten with the matched screws.

Step 7b-1 Junction Box Bracket Installation
- According to the junction box bracket holes, drill two 5mm holes on the wall, Mount the junction box bracket with the two screws into the expansion screw holes.

Step 7b-2 Installing the panel
- Install the panel base on the Junction box bracket and tighten with the matched screws.

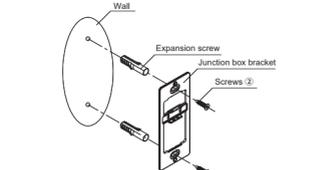**Step 7c** Wall installation without panel
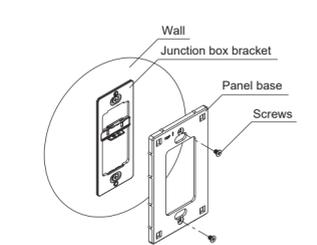- Peel off the wall bracket's stripping layer of back adhesive and attach the wall bracket to the wall.

- According to the wall bracket holes, drill two holes on the wall, and into the expansion screws. Mount the wall bracket with mounting screws.
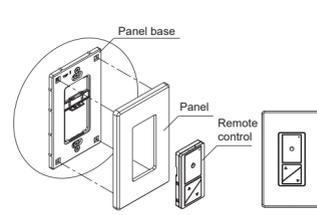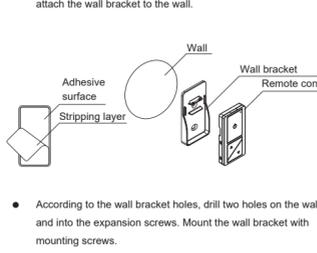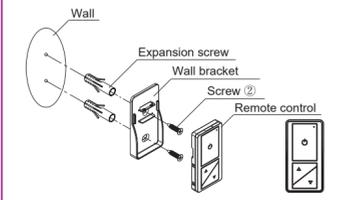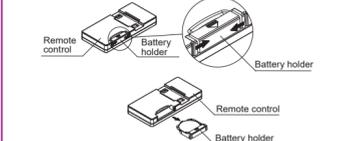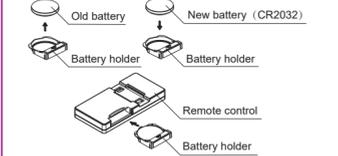
Step 8 Remote control battery replacement
- Hold the to buckle on both ends of the battery compartment and pull it out remove the compartment.

- Remove the old battery from the battery holder, change new battery (CR2032). Reinstall the battery box on the remote control.

Old battery   New battery (CR2032)

User Instructions

Function Declaration

- Short press: Within 0.5s
- Long press: Over 0.5s
- Continuous short press: Each interval of short press should be within 0.3s

Settings column

Setting the Min. brightness	Short press min brightness button
	Continuous short press the power button six times
Clear the Min and Max brightness setting	Continuous short press the power button nine times
Restore the factory Settings	Short press the power button ten times
Settings Shared device	No
Group control	No

Troubleshooting

Problems	Possible Cause	Solution
Lights flickering	Bad connection of wires	Reconnect and fix the wires
	One dimmer is connected to multiple types bulbs, causing interference and cause flicker	Change to the same type bulbs
	Abnormal	Put out the power cut-off button and cut off the power,then put in the power cut-off button and connect the power on again
Light does not work	Dimmable LED and CFL flickers at low end of dimming range	Increase the lamp minimum brightness
	Circuit breaker has tripped	Re-start the power supply
	Fuse is burned out	Replace the fuse
	Lamp is burned out	Replace the lamp
	The wire is not connected well	Checking wire connections
	Abnormal	Put out the power cut-off button and cut off the power,then put in the power cut-off button and connect the power on again
The dimmer can't work during connection Of 3-way wires	The wires are incorrectly connected or disconnected	Check the wiring connections
	The 3-way switch is abnormal	Replace the 3-way switch
The remote control cannot control the dimmer	The battery may be dead	Replace the battery
	Have metal objects around	Move location
	No pairing with dimmer	Make a pairing

Table 1 Single-Pole

Function	Dimmer Operation way	Dimmer Operation	Remote control Operation	APP Operation
Pairing mode	Continuous short press the power button seven times	√	×	×
Distribution network mode	Continuous short press the power button five times	√	×	×
ON/OFF	Short press the power button once	√	√	√
Timing switch	No	×	×	√
Dimming	Short or long press the dimming button (UP or Down)	√	√	√
Quickly turn to the Max. brightest	Continuous short press the dimming Button (UP) twice	√	√	√
Quickly turn to the Min. brightest	Continuous short press the dimming Button (DOWN) twice	√	√	√
Setting the Max. brightness	Continuous short press max. brightness button	√	×	√
Setting the Min. brightness	Continuous short press min. brightness button	√	×	√
Clear the Min and Max	Continuous short press the power button ten times	√	×	√
Restore to factory Settings	Continuous short press the power button ten times	√	×	√
Setting the Shared device	No	×	×	√
Group control	No	×	×	√

Table 2 3-way

Function	Dimmer Operation way	Dimmer Operation	3-way Switch Toggle Switch operation	Remote Control Operation	APP Operation
Pairing mode	Continuous short press the power button seven times	√	×	×	×
Distribution network mode	Continuous short press the power button five times	√	×	×	×
ON/OFF	Short press the power button once	√	√	√	√
Timing switch	No	×	×	×	√
Dimming	Short or long press the dimming button (UP or Down)	√	×	√	√
Quickly turn to the Max. brightest	Continuous short press the dimming Button (UP) twice	√	×	√	√
Quickly turn to the Min. brightest	Continuous short press the dimming Button (DOWN) twice	√	×	√	√
Setting the Max. brightness	Continuous short press max. brightness button	√	×	×	√
Setting the Min. brightness	Continuous short press min. brightness button	√	×	×	√
Clear the Min and Max	Continuous short press the power button nine times	√	×	×	√
Restore to factory Settings	Short press the power button ten times	√	×	×	√
Settings Shared device	No	×	×	×	√
Group control	No	×	×	×	√