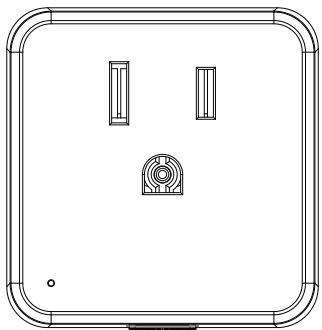# Installation Instructions for Smart Plug-in Dimmer

Works with DIMMABLE LED, CFL, Incandescent and halogen bulbs

Model No.	PDNA012U2-W-300
Rated Voltage	120V,60Hz
Rated Power	300W
Load Range	Incandescent.: 15W-300W
	LED/CFL: 3W-200W
	▦ : 3W-200W
	▱ : 3W-200W
Dimming type	Phase-cut dimming
Operating Temperature	0℃~35℃
Operating Humidity	10% R.H.-90% R.H.
Size	45.5 ×47 ×50.5 mm

FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) 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.

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

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 suivantes:
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.

WARNINGS AND CAUTIONS

- After installed 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 motor-operated receptacle, fluorescent lighting fixture, or a transformer supplied receptacle.
- Use with compatible dimmable LED, CFL bulbs, Incandescent or halogen fixtures 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.

Functional parts instructions

ON/OFF button
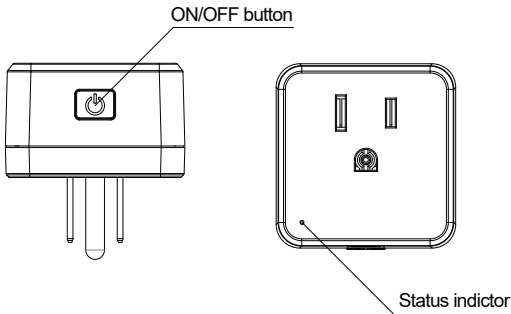
Status indictor

Status indictor

- **Indicator lights red :** The load lights are OFF and no App connect.
- **Indicator lights yellow :** The load lights are ON and no App connect.
- **Indicator lights green :** App has connected.
- **Indicator lights green and flash:** In the EZ connection mode, indicator lights green and flashes quickly (flash once every 2 seconds); or In the AP connection mode, indicator lights green and flashes slowly (flash once every 4 seconds).

ON/OFF button

- **Turn ON/OFF:** Press ON/OFF button once.
- **Dimming:** Press and hold to dim the lights,releas then press and hold again to change the dimming direction.
- **Quick to the Max. brightness:** Continuous press ON/OFF button twice.

- **Quick to the Max. brightness:** Continuous press ON/OFF button twice.
- **Set the Min. brightness :** Turn on the light and dim to the Min. brightness you desired, continuous press ON/OFF button 6 times then finished the Min. brightness setting.
- **Recover to the factory default Min. brightness:** Turn on the light, continuous press ON/OFF button 9 times.
- **Enter to the EZ network connection mode:** Turn on the light, continuous press ON/OFF button 5 times, status indicator will flash quickly(flash once every 2s),then your phone can connect to the dimmer. The light will flash once when successed the connection . (The dimmer will exit connection mode after 3 minutes of inactivity.)
- **Enter to the AP network connection mode:** Turn on the light, continuous press ON/OFF button 7 times, status indicator will flash slowly(flash once every 4s),then your phone can connect to the dimmer. The light will flash once when successed the connection. (The device will exit connection mode after 3 minutes of inactivity.)
- **Recover to factory default:** Turn on the light,continuous press ON/OFF button 10 times,the lights flash once mean recovered. (**Default:** 1.Turn on the light will at Max. brightness; 2. The min. brightness at 1% ; 3.Current at EZ network connection mode.)

Function Description

Table of the functions

Function	Operation method	Dimmer operation	phone operation
Turn ON/OFF	Press once	√	√
Dimming	Press/Press and hold	√	√
Quick to the Max. brightness	Press twice	√	√
Set the Min. brightness	Press 6 times	√	√
Reset the default brightness	Press 9 times	√	×
EZ network connection mode	Press 5 times	√	×
AP network connection mode	Press 7 times	√	×
Reset to the factory default	Press 10 times	√	×
Schedule ON/OFF	-	×	√
Share device	-	×	√
Group control	-	×	√

Priority

- The opreation of device itself could stop the operation of mobile APP, when at the opreation of device itself ,mobile APP operation couldn't work.

Troubleshooting

| Symptoms	Possible Cause	Solution
Lights flickering	Lamp has a bad connection	Reconnect and fix the wires
	One dimmer connect to multiple types bulb, incur interference and cause flicker	Change bulbs to same type
LED and CFL flickers at low end of dimming range	Load compatibility is not good	Turn up lamp minimum brightness properly
Light does not turn on	Circuit breaker has tripped	Turn power on
	Fuse burn out	Change fuse
	Lamp burned out	Change lamp
	Lamp has a bad connection	Reconnect the circuit
Light does not respond	Abnormal	Restart the power

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.
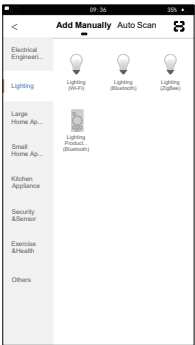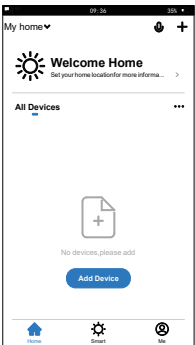
Step 2 Register an account and Login

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

Registser

Login with Existing Account
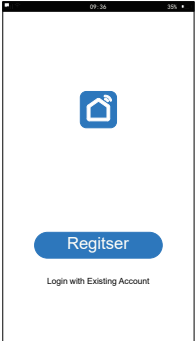
Step 3 Add Device

● Click 'Add Device' or the top right-hand corner ' + ' ;
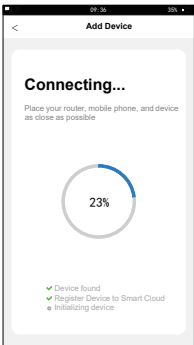● Click 'lighting' then 💡 to enter the device connection interface;

Step 4 Mobile device connection
Step 4a EZ network connection mode:

Turn on the light, continuous press ON/OFF button 5 times, status indicator lights green and flash quickly(flash once every 2s), and load lights flash once mean enter to the paring mode; then your phone can connect to the device.

● Confirm the Status indicator flash quickly,click `Confirm indicator rapid blink`
● Enter your Wi-Fi password and click `Confirm` then waitting for the connection.
● The load light flash once when successed the connection.

Reset the device first.
If the light blinking fast, skip the reset step
① Power on
② Turn On-off-on-off-on(Subject to User Manual)
③ Ensure light is fast blinking

ResettingDevices >

Confirm indicator rapidly blink

Add Device

Enter Wi-Fi Password

Only 2.4 GHz Wi-Fi networks are supported

Change Network

Confirm

Add Device

Connecting...
Place your router, mobile phone, and device as close as possible

23%

✔ Device found
✔ Register Device to Smart Cloud
● Initializing device
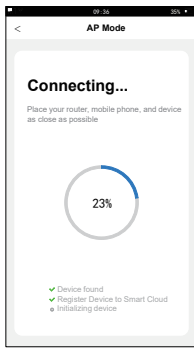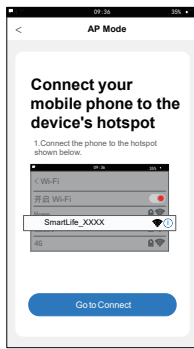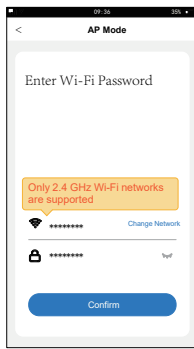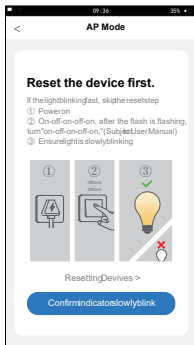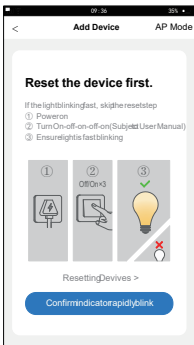

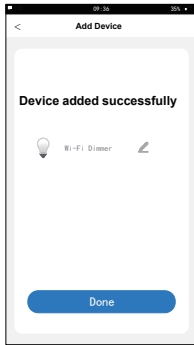**Step 4b   AP network connection mode:**

Turn on the light, continuous press self-reset switch 7 times, status indicator lights green and flash slowly(flash once every 4s), and load lights flash twice mean enter to the paring mode; then your phone can connect to the device.

● Click 'APMode' to enter the operation interface.
● Confirm the status indicator flash slowly,click ☐ Confirm indicator rapidly blink
● Enter the Wi-Fi password in your home and click ☐ Confirm
● Click ☐ Go to Connect ,connect to the Wi-Fi that comes with the dimmer and return, waiting for the connection.

● The load light flash once when successed the connection.

Reset the device first.
If the light blinking fast, skip the reset step
① Power on
② Turn On-off-on-off-on(Subject to User Manual)
③ Ensure light is fast blinking
ResettingDevices >
Confirm indicator rapidly blink

Reset the device first.
If the light blinking fast, skip the reset step
① Power on
② On-off-on-off-on, after the flash is flashing, turn*on-off-on-off-on,"(Subject to User Manual)
③ Ensure light is slowly blinking
ResettingDevices >
Confirm indicator slowly blink

AP Mode

Enter Wi-Fi Password

Only 2.4 GHz Wi-Fi networks are supported

Change Network

Confirm

AP Mode

Connect your mobile phone to the device's hotspot
1.Connect the phone to the hotspot shown below.

SmartLife_XXXX

Go to Connect

AP Mode

Connecting...
Place your router, mobile phone, and device as close as possible

23%

✔ Device found
✔ Register Device to Smart Cloud
● Initializing device

● Click ☐ Done to enter the operation interface.

Add Device

Device added successfully
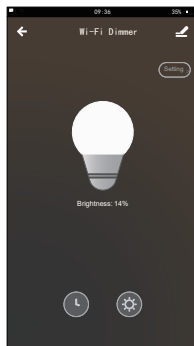
✦ Wi-Fi Dimmer ✎

Done

Step 5   Mobile phone app control outlet dimmer

● Click ♀ to control the light on/off function of the dimmer.
● Click ⊙ to enter the dimming interface for dimming.

Wi-Fi Dimmer
Power Off

Wi-Fi Dimmer
Brightness: 14%

Wi-Fi Dimmer
Brightness: 70%
Back
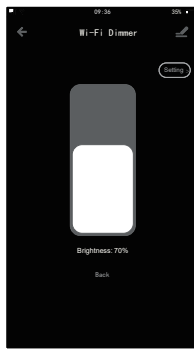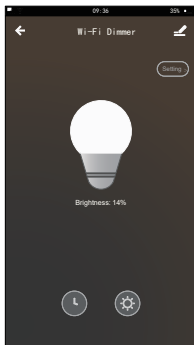
● Click ☐ to enter the minimum brightness interface for setting dimmer.
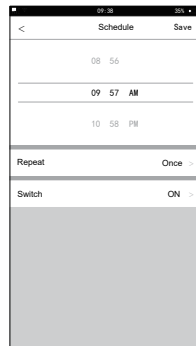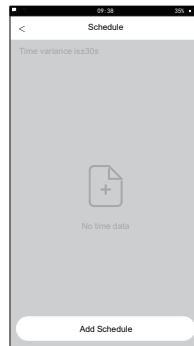
Wi-Fi Dimmer
Brightness: 14%

● Select the bulb type which connected with the dimmer.
● Set the minimum brightness of the light and save it.

Setting
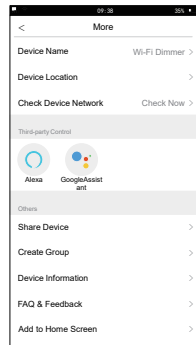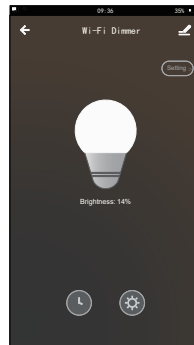Select Type of Your Lamp
Set the minimum brightness of the dimmer
Please set the minimum brightness of your lamp,and try to dim your lamp.If the lamp is flashing or turned off,increase the brightness until it works well.
0%
LED
Incandescent
CFL Lamp
Cancel

Setting
Select Type of Your Lamp
Set the minimum brightness of the dimmer
Please set the minimum brightness of your lamp,and try to dim your lamp.If the lamp is flashing or turned off,increase the brightness until it works well.
24%
Save

● Click ☐ Set the schedule light on/off function of the dimmer.

Wi-Fi Dimmer
Brightness: 14%

● Add schedule and then save it.

Schedule
Time variance is ±30s
No time data
Add Schedule

Schedule   Save
09 56
09 57 AM
10 58 PM
Repeat   Once >
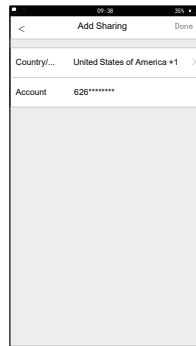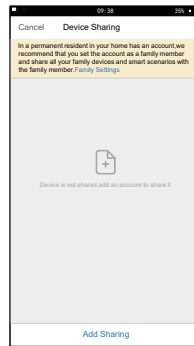Switch   ON

● After the dimmer connection is completed, it can be shared to many people, that is, one dimmer can be controlled by multiple APPs.
● Click ✎ to enter the device details interface;
● Click 'Share Device' to enter the device sharing interface.

Wi-Fi Dimmer
Brightness: 14%

More
Device Name   Wi-Fi Dimmer >
Device Location   >
Check Device Network   Check Now >
Third-party Control
Alexa   GoogleAssistant
Others
Share Device   >
Create Group   >
Device Information   >
FAQ & Feedback   >
Add to Home Screen   >

● Click 'Add Sharing', add the account you are willing to sharing.

Cancel   Device Sharing
In a permanent resident in your home has an account,we recommend that you set the account as a family member and share all your family devices and smart scenarios with the family member. Family Settings
Add Sharing

Add Sharing   Done
Country/...   United States of America +1
Account   626********

Support Amazon Alexa and Google Home voic

For Amazon Alexa
● Alexa,turn on <device name>
● Alexa,turn off <device name>
● Alexa,set <device name> to percent
● Alexa,brighten/increase <device name>
● Alexa,dim/decrease <device name>

For Google Home
● Hey Google,turn on <device name>
● Hey Google,turn off <device name>
● Hey Google,is <device name> on/off?
● Hey Google,brighten/increase <device name>
● Hey Google,Dim/Brighten <device name> by 50%