

# Ceiling Fan Smart Switch User Manual



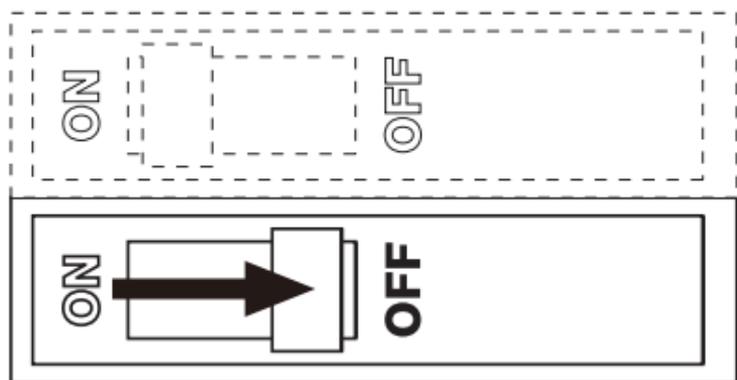
**SMART LIFE STAYS IN MOTION**

## General Specifications

Model	PN-04F02D	FCC ID	2ANDL-WBR3
Power Supply	AC 120V	Rated Frequency	60Hz
Max. Current	Fan: 1.5A Light: 2.5A	Max. Power	400W/gang
Wireless Standard	WiFi 2.4GHz	WIFI	IEEE 802.11b/g/n

## Installing your switch

### 1 Turn power off at circuit breaker!



### **WARNING – SHOCK HAZARD**

May result in serious injury or death. Turn off power at circuit breaker or fuse before installing. If you are unsure or uncomfortable about performing this installation, consult a qualified electrician.

## 2 Wiring Switch.

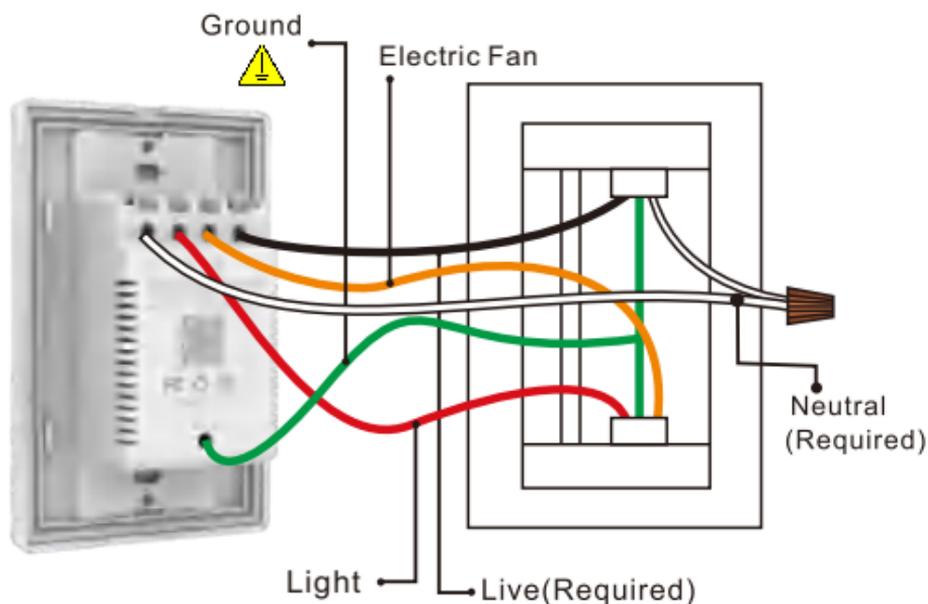
White: Neutral (Supplied)

Black: Live

Bare copper or Green: Ground

Red: Load (Light)

Orange: Electric Fan



**Note:** Make sure all the wires are connected with the correct colors as shown above.

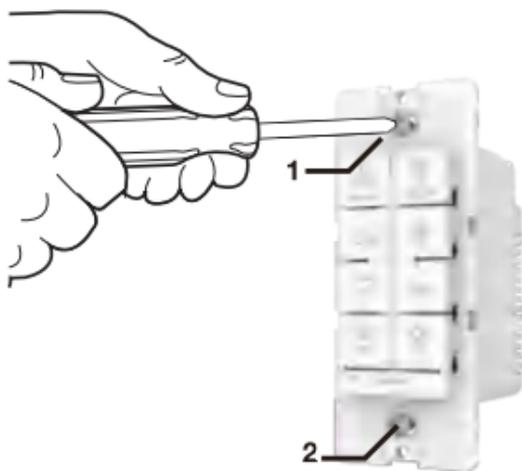
Take out the white wire and wiring cap from the screw bag . Stick this white wire to the switch using the provided screw. Then connect tightly the white wire to the Neutral wire from the wall by wiring cap.

(If the length of Neutral wire from the wall is long enough, connect it to the switch directly.)

Connect tightly the remaining wires from the wall to the switch by the provided screws as per the above wiring diagram.

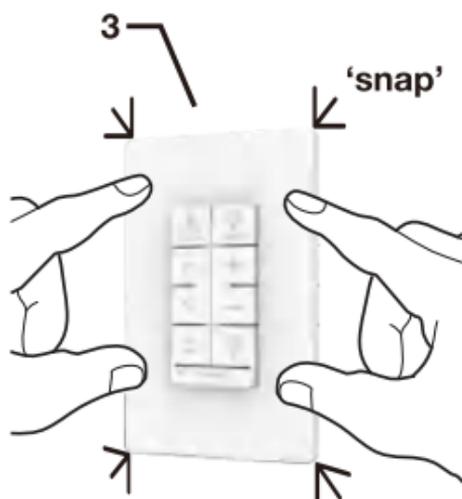
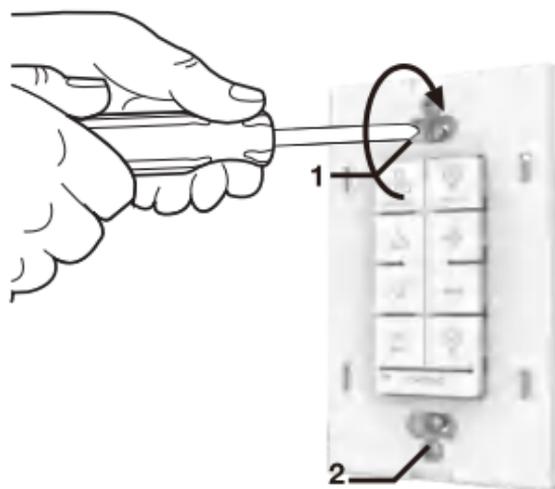
**Note:** If the wiring in your wall-box does not resemble any of these configurations, consult a qualified electrician.

### 3 Mount the device using the provided screws.



### 4 Attach the wallplate.

Attach the adapter to the switch panel using the screws provided and snap on the wallplate.



Installation of the Smart Switch is now completed.  
Turn the circuit breaker back on.

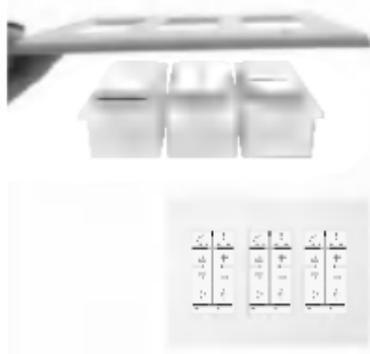
## 5 Switch can be assembled in several.

Switch can be combined in 2gang, 3gang, or 4gang boxes.  
The buttons and switch can be seamlessly connected together, which fully conforms to the size of the home switchbox.

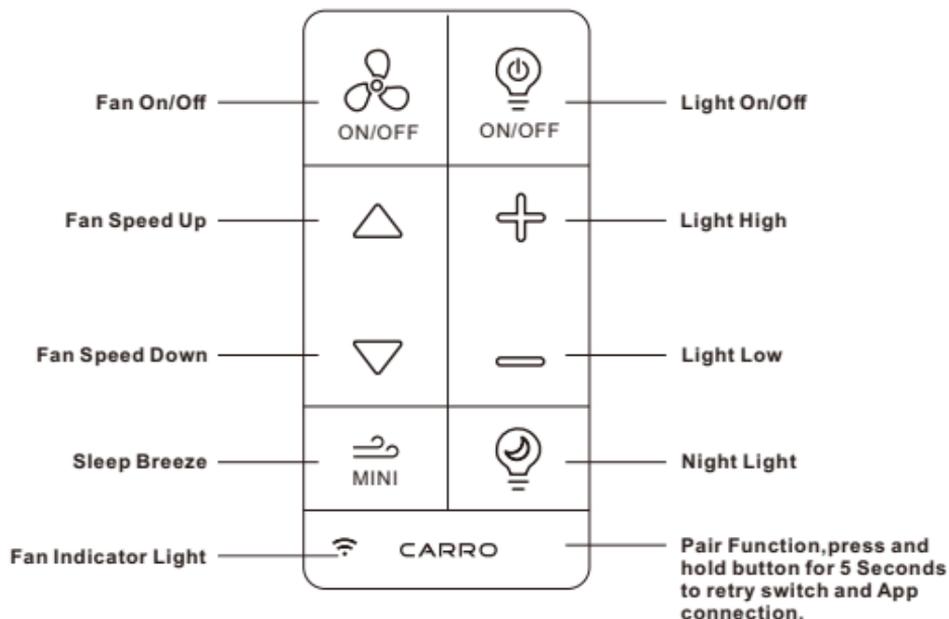
step 1



step 2



## Operation



Turns the power to fan off.



Turns the light on and off.



Speeds up the fan.



Presses to get the light brighter.



Speeds down the fan.  
There are three gears of wind speed.



Presses to make the light dimmer.



Simulates a breeze for sleep at the lowest speed of the fan.



Presses to get a night light at the lowest brightness of the light.

**NOTE:** If the fan indicator light is blinking then the switch is ready to pair with the App. If you are unable to pair smart switch with App, press and hold "CARRO" button for 5 Seconds until LED indicator light starts blinking slowly on switch button to pair with App again. The fan indicator light is red when you fail to connect smart switch to App, and green when the connection is finished.

**Cleaning:** Clean with a damp cloth. DO NOT use chemical cleaners.

## APP control Connection (Wifi and Bluetooth):

1. First download the free Carro Home app from the App Store or Google Play or scan the QR Code as below.
2. Open the Carro Home app to create your account. The account with "Carro Home" can be registered through E-mail or Mobile phone.
3. Connect the device to the Carro Home app (Four ways connection):
  - ① Bluetooth connect (WIFI & Bluetooth on)
    - a. Press "+" button into the device list, then a window will pop up to show you some devices can be connected.
    - b. Click "Go to add" (If you click "Do not add" in mistake, please see "Do not add" steps).
    - c. Choose the device.
    - d. Connect to your home WIFI, then back to the app and wait for connecting.

"Do not add" steps:

    - a. Select "Electrical"(smart switch) or "Air Circulation"(smart ceiling fan) on the sidebar menu then select "Ceiling Fan Switch" or "Ceiling Fan" and tap next.
    - b. Connect to your home WIFI and tap "Next" to wait for connecting.
  - ② Auto Scan (WIFI & Bluetooth on)
    - a. Press "+" button into the device list.
    - b. Tap "Auto Scan" on the top.
    - c. Wait for the device comes out and tap "Next".
    - d. Press "+" button to add device.
    - e. Connect to your home WIFI.
    - f. Wait for connecting.
  - ③ WIFI connect-EZ Mode (WIFI on & Bluetooth off)
    - a. Press "+" button to select "Electrical"(smart switch) or "Air Circulation" (smart ceiling fan) on the sidebar menu then select "Ceiling Fan Switch" or "Ceiling Fan" and tap next.
    - b. Connect to your home WIFI (Only for 2.4Ghz).
    - c. EZ Mode is set as default, just tap "Next" button to wait for the connection to complete.
  - ④ WIFI connect-AP Mode (WIFI on & Bluetooth off)
    - a. Smart ceiling fan: Press and hold the WIFI button on the remote for 5 seconds into AP Mode.



Smart switch: Press and hold the "CARRO" button for 5 seconds till the indicator light blinking slowly to into AP Mode.

b. Press "+" button to select "Electrical"(smart switch) or "Air Circulation" (smart ceiling fan) on the sidebar menu then select "Ceiling Fan Switch" or "Ceiling Fan" and tap next.

c. Connect to your home WIFI (Only for 2.4Ghz).

d. Choose AP Mode.

e. Press "Next" button to go to connect the fan's WIFI signal.

f. Choose the fan's WIFI signal "CarroHome-XXXX" then back to the app.

g. Wait for connecting.

4. Connect the device to the Alexa:

a. Make sure you have connected the device to the app and working normally.

b. Open Alexa app, go to the skill to search "Carro Home" skill.

c. Link the skill, log in with your Carro Home app account and password, then authorize and connect with Carro Home app.

d. Then the Alexa will find out the device automatically.

5. Connect the device to the Google Home

a. Make sure you have connected the device to the app and working normally.

b. Open Google Home app, Set up a device, choose "Works with Google".

c. Search "Carro Home", log in with your Carro Home app account and password, then authorize and connect with Carro Home app.

d. Then the Google Assistant will find out the device automatically.

6. Connect the device to the Siri shortcuts

a. Make sure you have connected the device to the app and working in functional.

b. Tap "Smart" on the main menu.

c. Tap "+" button.

d. Tap "launch Tap To Run".

e. Tap "Run the device".

f. Choose the device you want to control by Siri.

g. Select the function you want to control by Siri.

h. Then save it.

i. Add to Siri, choose the scene you just made, Add to Siri .

j. Enter the sentence you want to say to make the device works, Add to Siri.

## Troubleshooting

Symptom	Solution
Fan and light do not turn ON and no indicator lights turn ON.	<ul style="list-style-type: none"><li>• Ensure Front Accessible Service Switch (FASS) is fully pushed in to the ON position.</li><li>• Ensure both fan and light pull chain are set to highest possible setting.</li><li>• Light bulb(s) burned out and the fan is in the off position. Ensure fan is in the highest speed setting and replace light bulbs as needed.</li><li>• Light is not properly installed.</li><li>• Breaker is OFF or tripped (or fuse blown). Reset breaker or replace fuse. If condition persists, contact Carro Home Technical Support Center or a licensed electrician.</li></ul>
Fan does not work.	<ul style="list-style-type: none"><li>• Fan direction switch is between forward and reverse. Set switch to desired position.</li></ul>
Fan vibrates or wobbles.	<ul style="list-style-type: none"><li>• Fan blades are not properly balanced. See fan manufacturer's instructions.</li></ul>
Light button controls fan and vice-versa.	<ul style="list-style-type: none"><li>• Fan and light wires are reversed. Review installation steps and revise wiring.</li></ul>
Fan speed is too slow.	<ul style="list-style-type: none"><li>• Set fan speed to high.</li></ul>
Unable to pair switch and app	<ul style="list-style-type: none"><li>•The WIFI must be 2.4Ghz, incompatible with 5Ghz WIFI.</li><li>•Press and hold CARRO button for 5 seconds until LEDs start blinking slowly on switch button to pair with App again. Use the AP mode will improve your success rate for the WiFi connection.</li></ul>

## FCC/IC Information

This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(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. Modifications not expressly approved by Carro USA Inc. could void the user's authority to operate this equipment.

**Note:** 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.