## SAFETY PRECAUTION:

### IMPORTANT: PLEASE READ BEFORE INSTALLATION:

- 1, Before you begin installing the fan, shut power of f at the circuit breaker of the fuse box,
- 2. ▲CAUTION: Read all instructions and safety information before installing your new fan, Review accompanying assembly diagrams. 3. Make sure that all electrical connections are in accordance with National Electrical Code,
- ANSI/NFPA 70 and local codes. Hire a licensed electrician if you are unfamiliar with installing 4. Make sure the installation site you choose allows the fan blades to rotate without any obstructions,
- Allow a minimum clearance of 2.1m (7 feet) from the floor and 18 inches from the tip of the blades
- marked "Acceptable for Fan Support of 15.9 kg (35 lbs) or less" and use mounting screws provided
- conjunction with the lock washers provided with the fan, 7. The outlet box and support structure must be securely mounted and capable of reliably supporting
- 15.9 kg (35 lbs) or less".

- 2. **MARNING:** To reduce the risk of personal injury, do not bend the blade bracket when installing
- 13. ACAUTION: To reduce the risk of electric shock, disconnect the electrical supply circuit to the fan
- and the equipment-grounding conductor on one side of the outlet box and the ungrounded
- box. Conductor wiring identified as grounded is to be connected to a grounded conductor of power supply. Conductor wiring identified as ungrounded conductor is to be connected to an ungrounded conductor. Conductor wiring identified for equipment grounding is to be connected to an equipment-
- 16. 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
- **MARNING:** To reduce the risk of fire or electric shock, this fan must be installed with a general use, isolating wall control/switch.
- all possible conditions and situations that may occur. It must be understood that common sense, caution and care are factors which cannot be built into this product. These factors must be supplied by the person (s) installing, caring for and operating the unit.
- service facility for examination or repair.



— M4x8 Light Kit Pan Screw

A4 LED Light Kit

5. **⚠WARNING:** To reduce the risk of fire, electric shock, or personal injury, mount to outlet box 6. **CAUTION:** To reduce the risk of injury, use only the screws provided with the outlet box in

8.After you install the fan, make sure that all mounting components are secured to prevent the fan

a minimum of 35 pounds. Use only U.L. listed outlet boxes marked "Acceptable for Fan Support of

- 11.All set screws must be checked and retightened where necessary before installation.
- conductor on the other side of the outlet box.

- **NOTE:** The important safeguards and instructions appearing in this manual are not meant to cover
- 7. This product is suitable for use in damp locations.
- ▲ CAUTION: The light source is designed for this specific application and can overheat if serviced

# **Product instruction:**



9.Do not insert anything into the fan blades while the fan is operating. 10.To change the direction of the rotation of the blades the fan must be in operation mode. M6X8 Blade Arm Screw

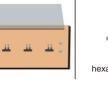
- the brackets, balancing the blades, or cleaning the fan. Do not insert foreign objects in between
- 14. After making the wire connections, the wires should be spread apart with the grounded conductor
- 15.The splices after being made should be turned upward and pushed carefully up into the outlet
- interference received, including interference that may cause undesired operation.
- ▲WARNING: To reduce the risk of fire or electric shock, do not use this fan with any solid-state

- by untrained personnel. If any servicing is required, the product should be returned to an authorized

Contact a licensed electrician if you are uncomfortable performing electrical work. A licensed electrician must install the fan if required by local code. Do not use the fan with a dimmer

**BEFORE YOU START** 

switch. Turn off power at breaker.





### Removing the MDF(Medium Density Fiberboard): Take the motor parts out of the box, use a screwdriver to loosen the screws and take down the MDF,

which protects the motor hub during transportation. Save these three light kit pan screws for later light kit pan installation, After removal, it is shown below,





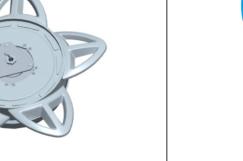
1 Installing the Blade Arms 1.1 Take out the motor hub and blade arms from the packaging box and place the motor hub upside

corresponding place on the hub and tighten the screws. (See Fig 1.1)

down on the enclosed paper motor case. Locate 10 blade arm attachment screws in hardware pack. Make sure each blade arm matches the

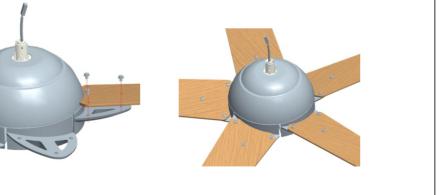
Installing the Blades

1.2 Five blade arms installed. (See Fig 1.2)



# 2.1 Place the motor hub with the blade arms installed and assemble the blades.

2.2 Locate 15 blade attachment screws and washers in hardware pack. Make sure each blade matches the corresponding place with the blade arm and tighten the blade screws and washers. (See Fig 2.1) Five blades installed. (See Fig 2.2)



### 3 Attaching Downrod: 3,1 Assemble downrod as pictured in Fig.3.1,

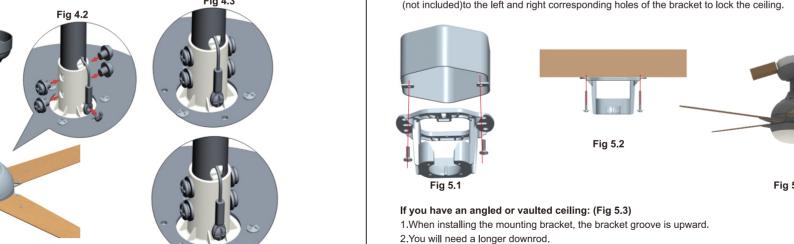
NOTE: If you choose to install a safety cable onto your ceiling fan, you will need to run it through the



### 4 Installing the Downrod and Canopy: Note: Take out the end of the safety cable from the downrod before sliding the downrod into the head

of the motor assembly. Feed the motor pin wire from the fan through the downrod.

Remove the screw then install the safety cable, screw the removed screws back through the hold and install four downrod screws(in screw package), securely tightening down to ensure proper connection. Slide the wiring cover down until it rests on top of the motor assembly.



Install the mounting bracket to the ceiling box, as shown in Fig 5.1 below. Rotate the mounting

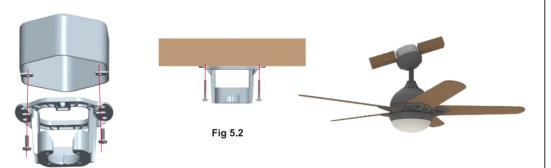
## Note: This mounting bracket is a standard cable box.

Fig 4.5 shows the assembly of downrod part is finished.

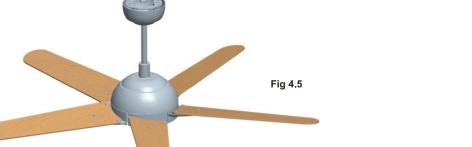
screws matching the outlet box itself, as shown in Fig 5.1.

Support of 15.9 kg (35 lbs)or less".

be used to lock the corresponding holes on the left and right sides of the bracket. Note: The wooden ceiling beam must meet the tensile test of 30KG for installation, as shown in Fig 5.2.



2. You will need a longer downrod.



## 6 Installing the Mounting Bracket:

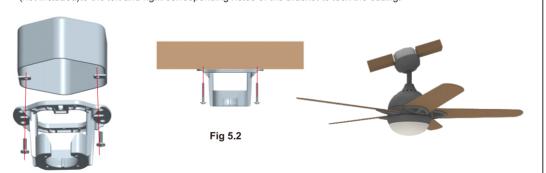
bracket in different directions so that the bracket mounting holes match the screw holes of the ceiling

## If the mounting bracket is installed at the outlet box, it should be installed on the outlet box with two

Note: DO NOT use plastic outlet box. Use only U.L. listed outlet boxes marked "Acceptable for Fan

This bracket can also be mounted to the wooden ceiling beam, and then the four ST5x24 screws can

It is also possible to install the mounting bracket directly to the concrete ceiling and install four screws



3. The maximum angle is 27 degree.

### ▲ WARNING: To reduce the risk of fire, electric shock or other personal injury, mount the fan only to an outlet box or supporting system marked acceptable for fan support and use the mounting screws provided with the outlet box.

6 Hanging Ceiling Fan & Installing Power Adapter & Wiring the fan:

⚠ WARNING: Check to see that all connections are tight, including ground, and that no bare wires are visible at the wire nuts (except for the ground wire).

### ⚠ WARNING: To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device. ⚠ WARNING: To avoid an electrical shock, be sure electricity is turned o ff at the main fuse box

Install the ball end of the downrod into the opening of mounting bracket. Rotate the downrod until the tab in the mounting bracket is seated in the slot in the downrod ball as shown in the enlarged image of Fig

WARNING: The fan and/or downrod should not rotate in the mounting bracket, if installed correctly, Failure to align the slot in the downrod ball with the tab on the mounting bracket may result in fan falling causing serious injury or death.

**6.1**.Attach the safety cable to a ceiling joist or to a metal brace mounted to two ceiling joists, or a



Slide the Adapter inside the bracket and connect the DC output wire connector molex from the adapter with the wire connector molex from motor through the downrod as shown in Fig 6.3.Make sure all wires are tucked in the canopy. Connect the input wires of the adapter to the supply wires.

pushed carefully up into the outlet box. Warning: Slide the adapter horizontally into the bracket in the direction of the arrow shown in Fig 6.2 below, and the flat side facing the ceiling. Note that the upper patterns of the mounting bracket correspond to the

Important: After the connections have been made, the connected wires should be turned upward and

two sides of the adapter's push-in. Note: DO NOT stand upright (as shown in Fig 6.4) or place the adapter incorrectly (as shown in Fig.6.5), otherwise the adapter cannot be inserted into the bracket, which will affect the wiring.

Note: The Green/Yellow wire from bracket connects with the supply Ground wire using the wire nut. Connect the White wire of the Adapter to the supply White (Neutral) wire using a wire nut, connect the Black wire of the Adapter to the supply Black (Hot/Live) wire using a wire nut. Then hide them inside the ceiling. (Make sure all the wires are connected to the correct colors as shown in Fig 6.3)



# 8 Removing the Light Assembly

below instructions before installation.

A:The screws of mounting bracket are exposed.

Take out the light set from the package box as shown in Fig 8.1 below, and remove the lampshade by rotating it counterclockwise, and then remove the LED light kit and light kit pan as show in Fig 8.2.

There are two kinds of canopies and two ways to install, You may receive one of them, Please follow

Make sure all wires are tucked in the canopy. Raise the canopy to the mounting bracket, align the hole

slots in the canopy with the two mouting bracket screws, then turn the canopy in the direction of the

arrow in Fig A until the mounting brackets screws engage from the bigger slots of the canopy to the

smaller ones. Then secure the canopy to the mounting bracket with the screws.

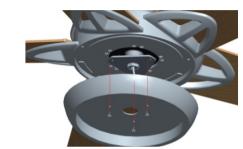


# Installing the Light Kit Pan

9.1 Re-install two of the light kit pan screws that were removed at the beginning to the centre fixing plate of the motor assembly,but DO NOT tighten them first.Push the light kit pan to the fixing plate so that the two loosened screw heads fit into the keyhole slots. 9.2 Feed the light wire connector plug from the fixing plate through center hole of the light kit pan.

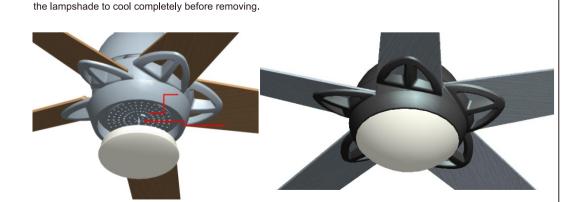
Turn the light kit pan clockwise. Install back the last pan screw. Make sure all the screws are firmly

9.3 Allow the light wire connector plug to come through the light kit. Install back the light kit and the light kit is magnetically attracted to the pan with the help of magnet.

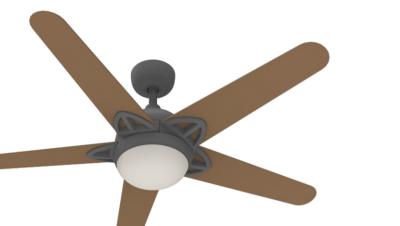


10 Installing the Light Kit and Lampshade

Insert the light wire connector plug to the light kit terminal block. Rotate the lampshade clockwise until it locks into the pan tightly. Warning:To prevent SERIOUS INJURY or DEATH, make sure that lampshade is properly secured.Allow



The Fig 11.1 below is a schematic diagram of the whole machine after installation. At this time, the ceiling fan has been installed. Turn on the power supply of the main switch or the room where the ceiling fan is installed. After power on, observe whether the fan light is on.





### **Remote Control Operating Instructions:**

Pairing the Remote Control to Your Fan Power on the fan and pair the remote to the fan within 1 min. To pair remote to fan, press and hold

button for 3 secs to pair remote to the fan, Successful pairing will trigger the fan light of f.

Turns the fan of f.

Remote Control button definitions

the fan light of f.

Switches between summer mode and winter mode. Summer mode - (Counter-clockwise) A downward airflow creates a cooling ef fect. Winter model - (Clockwise) An upward airflow moves warm air away from the ceiling area and redistributes it around the living space,

Turns the fan on and Increases fan speed.

Turns the fan on and decreases fan speed.

Nature Switches the fan speed between nature mode and normal mode. Simulates a natural breeze, gentle enough not to disturb while you sleep.



Turns the lights on or of f and RF pairing. Note: Power on the fan and pair the remote to the fan within 1 min. To pair remote to fan, press and hold button for 3 secs to pair remote to the fan. Successful pairing will trigger

Switches between warm light and cool light. WIFI Troubleshooting. Note: Press/hold button for 5 sec. The fan will switch to AP Mode, then select

Press/Hold button to decrease the light intensity.

Press/Hold to button to increase the light intensity.

AP Mode on APP, follow the APP control instructions and enable fan Wi-Fi.

Warning: Do not expose the remote control to direct contact of water.

### **APP Control Connection:**

1. First download the free Carro Home app from the App Store or Google Play or scan the QR Code 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.

Note: This ceiling fan needs to use 2.4Ghz wi fito work when you connecting the device, and after connecting it can use the 5Ghz or 2.4Ghz.

2. Open the Carro Home app to create your account, The account with "Carro Home" can be registered through E-mail or Mobile phone.



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

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

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

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

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

Rated Wattage 47W(Fan 27W Lamp 20W)

Maximum Noise 55dB(A)

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

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

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

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

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

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

d. Choose AP Mode.

g. Wait for connecting.

Connect the device to the Alexa:

connect with Carro Home app.

5. Connect the device to the Google Home

and connect with Carro Home app.

Connect the device to the Siri shortcuts

b. Tap "Smart" on the main menu.

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

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

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

c. Tap "+" button.

h. Then save it.

d. Tap "launch Tap To Run".

e. Tap "Run the device".

Basic product parameters

3. Connect the device to the Carro Home app (Four ways connection):

a. Press "+" button into the device list, then a window will pop up to show you some devices can

b. Click "Go to add" (If you click "Do not add" in mistake, please see "Do not add" steps).

c. Choose the device.

"Do not add" steps:

Bluetooth connect (WIFI & Bluetooth on)

d. Connect to your home WIFI, then back to the app and wait for connecting.

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 of f)

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).

WIFI connect-AP Mode (WIFI on & Bluetooth of f)

c. EZ Mode is set as default, just tap "Next" button to wait for the connection to complete.

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 "OFF" button for 10 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.

# Care and cleaning:

- secure. Because of the fan's natural movement, some connections may become loose over time. It is not necessary to remove the fan from the ceiling.
- 2. Clean your fan periodically. Use only a soft brush or lint-free cloth to avoid scratching the finish. The plating is sealed with a lacquer to minimize discoloration or tarnishing.

Check the support connections, brackets, and airfoil attachments twice a year. Make sure they are

- 3. (Optional) Apply a light coat of furniture polish to the wood blades.
- 4. (Optional) Cover small scratches with a light application of shoe polish.

- 1. Use water when cleaning. Water could damage the motor, or the wood, or possibly cause an electrical shock.
- 2. Apply oil to your fan or motor. The motor has permanently lubricated sealed ball bearings. Note:Power o ffthe fan before product maintenance or cleaning the fan.

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 of f 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
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Try these troubleshooting steps before contacting the Customer Service. For additional operation, maintenance,

and troubleshooting information, please contact our customer service center.

SYMPTOM	POSSIBLE SOLUTION
Fan not spinning	1. Make sure the fan is getting power. 2. Check your circuit breaker or fuse panel and wall switch for functionality. 3. Fan wires are connecting with the house wires correctly. 4. Remote control must be paired with the fan within 1 minute after the fan getting power. 5. If you have paired the app but the fan still didn't work (light and fan both didn't work) or couldn't pair the app to the fan, try to reset the fan: to reset the fan, cut the power for 10 minutes, then turn the power on and press the pairing button on the remote for 3 seconds till the fan lamp of f, then pair the Carrohome app again. 6. Use a multi-meter and test the adapter wiring harness to see if there is any electrical output. 7. All the pin wiring on the circuit board are inserted tight and in the right position. 8. Remote need to pair with the fan first. 9. Make sure the fan blades spin freely. 10. If you're using a wall control, check the power to the breaker from your control and try working your ceiling fan manually. (Normal switch only for the fan power on/of f)
Fan light not working	Make sure LED wires are connected to the circuit board.     Make sure the whole fan is powered.     Remote need to pair with the fan first.correctly and in the retention slot.
The fan is noisy and wobbling	1. Check if the blade screws are NOT rubbing against the round plastic part of the motor.  2. Check the pin wire are NOT connected against the moving part.  3. Check the down fan cup is NOT hitting the motor.  4. Confirm the canopy is NOT touching the ceiling while the fan is in operation.  5. Check the down rod is NOT slanted.  6. Tighten any loose screws on the light kit, fan blades, motor coupling, down rod, brackets and mounting hardware.  7. Confirm the hanger ball is firmly seated in the mounting bracket.  8. The ceiling beam must meet the minimum tensile test strength of 30KG for installation.  9. Make sure the airfoils and brackets are NOT bent or deformed.  10. Verify the wire connections are not rattling against each other.  11. Verify the fan blades are not cracked. If the fan blades are cracked, replace the damaged blades with a new blade set from the same brand as your ceiling fan to ensure compatibility.  12. The light kit is NOT slanting and hitting the motor.
	Check if the wires are connected in the right position or not.     Check the batteries in the remote.

Disconnect the power for 10 minutes, reconnect the power and pair the remote with the

an immediately, within 3 seconds. Also try pairing the App to reconnect.

remote and app 4. The WiFi must be 2.4Ghz, incompatible with 5Ghz WiFi or combine with 5Ghz.

Confirm the circuit breaker is not malfunctioning

Check the app is not set the timer or schedule

1. Cut the fan power for 10 minutes then power on again.

5. App must in the new version.

Connect with correct app "Carro Home

5. All the pins wiring on the circuit board are inserted tight and in the right position. CARRO

1431 S.Baker Ave. Ontario CA 91761

www.carrohome.com | cs@carrohome.com

Fan or light turning

U.S. Patent Nos.: 10,511,206 and 11,296,561 and 11,268,568.

Other Patent(s) Pending

ITEM: CES525W

Technical Parameter: AC 120V 60Hz

SMART CEILING FAN INSTALLATION GUID Please read and follow all the Instructions carefully before using this produc

The product image shown here is indicative o Actual product you receive may differ.