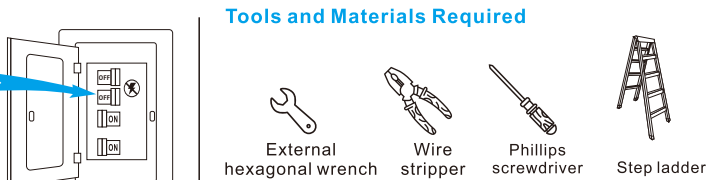## SAFETY PRECAUTION:

IMPORTANT: PLEASE READ BEFORE INSTALLATION:
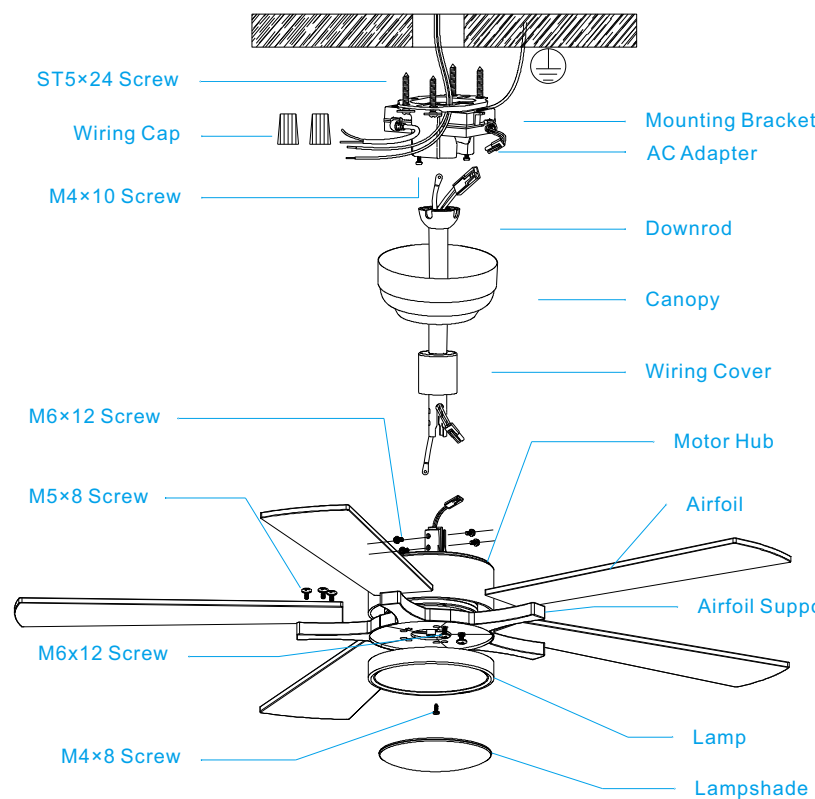
1. Before you begin installing the fan, shut power off at the circuit breaker of the fuse box.
2. ⚠**CAUTION:** Read all instructions and safety information before installing your new fan. Review accompanying assembly diagrams.
3. Make sure that all electrical connections are in accordance with National Electrical Code, ANSI/NFPA 70 and local codes. Hire a licensed electrician if you are unfamiliar with installing electrical wiring.
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 to the wall.
5. ⚠**WARNING:** To reduce the risk of fire, electric shock, or personal injury, mount to outlet box marked "Acceptable for Fan Support of 15.9 kg (35 lbs) or less" and use mounting screws provided with the outlet box.
6. ⚠**CAUTION:** To reduce the risk of injury, use only the screws provided with the outlet box in 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 a minimum of 35 pounds. Use only U.L. listed outlet boxes marked "Acceptable for Fan Support of 15.9 kg (35 lbs) or less".
8. After you install the fan, make sure that all mounting components are secured to prevent the fan from falling.
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.
11. All set screws must be checked and retightened where necessary before installation.
12. ⚠**WARNING:** To reduce the risk of personal injury, do not bend the blade bracket when installing the brackets, balancing the blades, or cleaning the fan. Do not insert foreign objects in between rotating fan blades.
13. ⚠**CAUTION:** To reduce the risk of electric shock, disconnect the electrical supply circuit to the fan before installing light kit.
14. After making the wire connections, the wires should be spread apart with the grounded conductor and the equipment-grounding conductor on one side of the fuse box and the ungrounded conductor on the other side of the outlet box.
15. The splices after being made should be turned upward and pushed carefully up into the outlet 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-grounding conductor.
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 interference received, including interference that may cause undesired operation.
⚠**WARNING:** To reduce the risk of fire or electric shock, this fan must be installed with a general use, isolating wall control/switch.
⚠**WARNING:** To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
NOTE: The important safeguards and instructions appearing in this manual are not meant to cover 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.
17. This product is suitable for use in damp locations.
⚠**CAUTION:** The light source is designed for this specific application and can overheat if serviced by untrained personnel. If any servicing is required, the product should be returned to an authorized service facility for examination or repair.

BEFORE YOU START

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 switch. Turn off power at breaker.

Tools and Materials Required
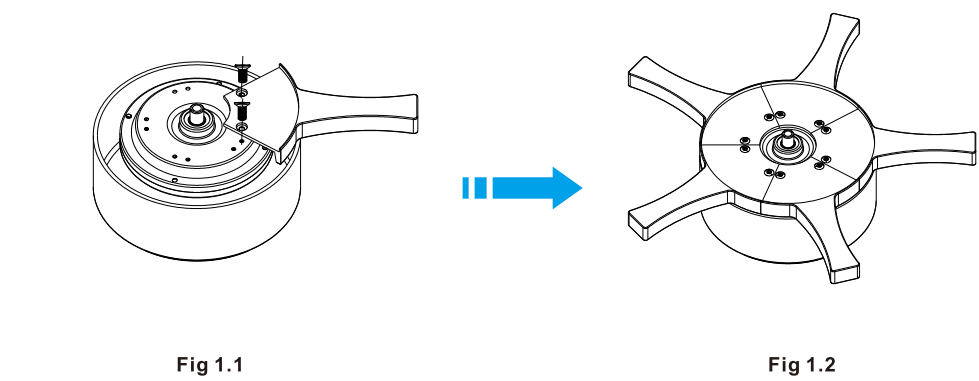
External hexagonal wrench | Wire stripper | Phillips screwdriver | Step ladder

Product instruction:

- ST5×24 Screw
- Wiring Cap
- M4×10 Screw
- Mounting Bracket
- AC Adapter
- Downrod
- Canopy
- Wiring Cover
- M6×12 Screw
- Motor Hub
- M5×8 Screw
- Airfoil
- M6×12 Screw
- Airfoil Support
- M4×8 Screw
- Lamp
- Lampshade

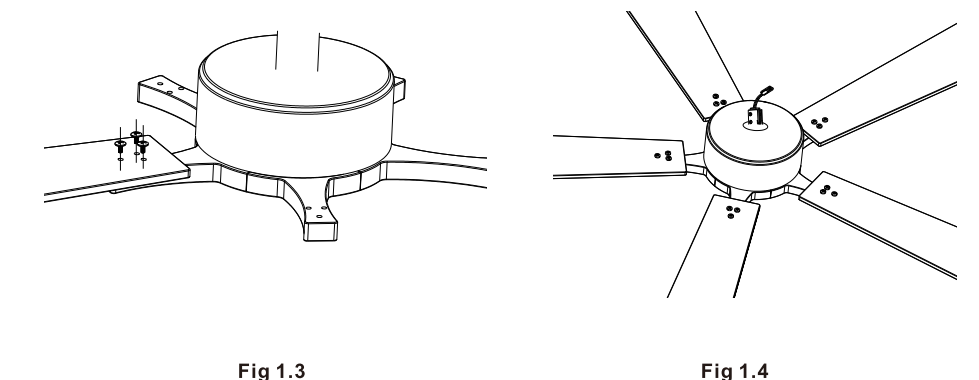| AC Adapter	Wiring Cap	ST5×24	M6×12	M5×8	M4×8
1 pc	3 pcs	4 pcs	10 pcs	15 pcs	1 pc

Installation:

❶ Install Airfoils:

1.1 Take out the motor hub and airfoil supports from the packaging box and place the motor hub upside down on the enclosed paper motor case.
Make sure each airfoil support matches the corresponding place on the hub and tighten the M6x12 screws. **(See Fig 1.1)**
1.2 Five airfoils supports installed. **(See Fig 1.2)**
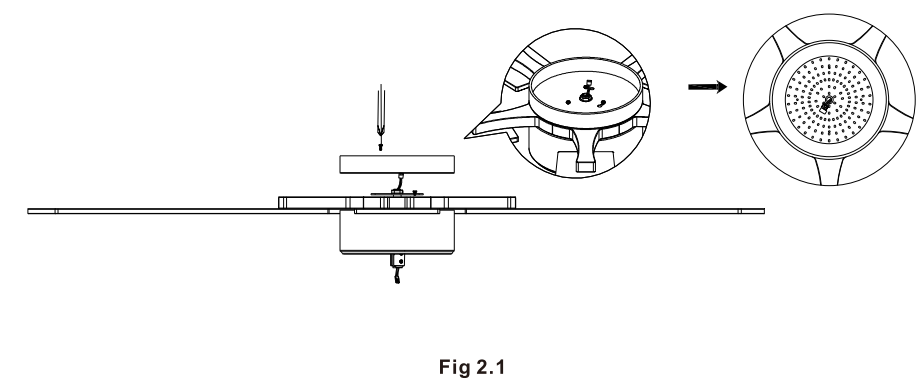

Fig 1.1

Fig 1.2

1.3 Install the motor hub and put it in the right position to assemble the airfoils.
1.4 Make sure each airfoil matches the corresponding place with the airfoil support and tighten the M5x8 screws. **(See Fig 1.3)**; Five airfoils installed. **(See Fig 1.4)**
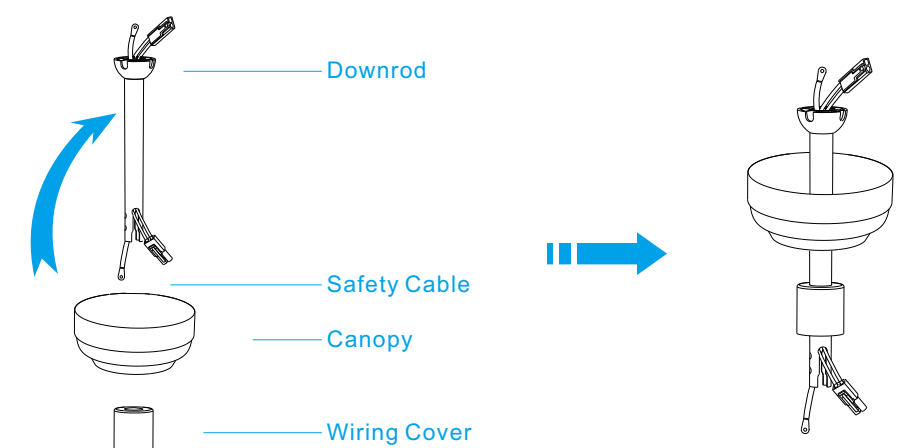

Fig 1.3

Fig 1.4

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❷ Install Lamp

2.1 Take out the lamp from the packaging box and fix it to the lamp plate by tightening the M4x8 screws.
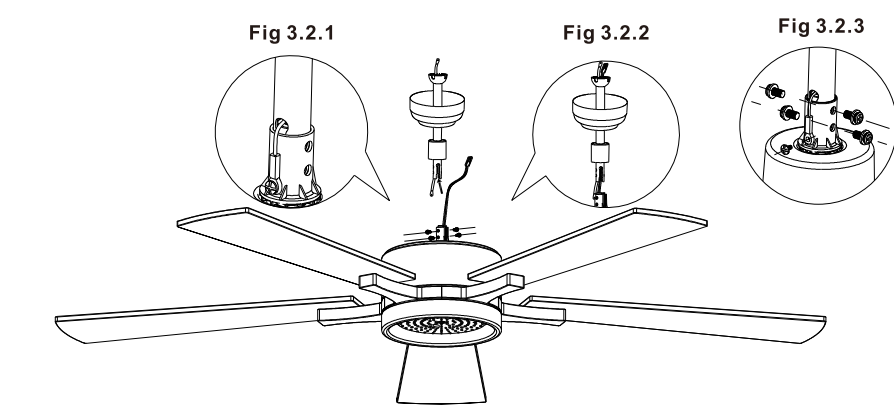Then plug in the power terminal of the light kit. (See Fig 2.1)

Fig 2.1

❸ Attach Downrod:

3.1 Assemble downrod as pictured in **Fig.3.1**. (Please select the suitable length of rod for your ceiling.)
NOTE: If you choose to install a safety cable/chain onto your ceiling fan, you will need to run it through the downrod prior to installation.
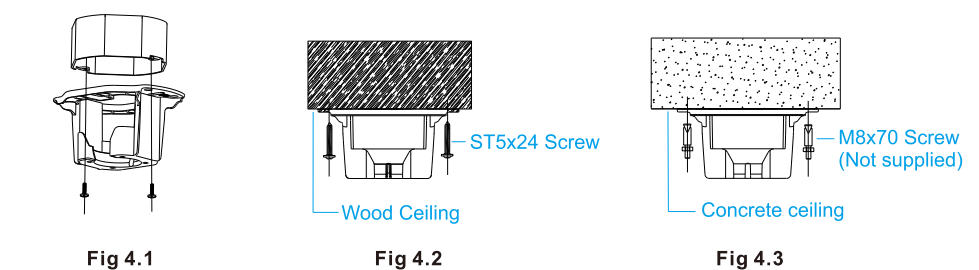

- Downrod
- Safety Cable
- Canopy
- Wiring Cover

Fig 3.1

3.2 Remove the screw already fixed inside of the motor shaft, then connect the safety cable with motor shaft firmly by this screw. **(See Fig 3.2.1)**
Pass the motor power cord and safety cable through the downrod.
NOTE: Take out the end of the motor power cord and safety cable from the downrod before lowering the downrod onto motor hub. **(See Fig 3.2.2)**
Install the screws and washers in opposite directions from each other (2 sets on each side) and make sure the screws and washers are tightened firmly with a screwdriver. **(See Fig 3.2.3)**

Fig 3.2.1   Fig 3.2.2   Fig 3.2.3

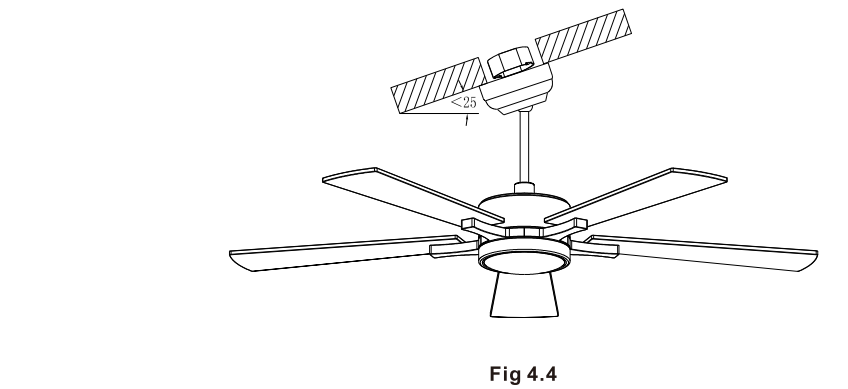### ❹ Assembly — Hanging the Fan:

Install the mounting bracket to the ceiling box, as shown in Fig 4.1 below. Rotate the mounting bracket in different directions so that the bracket mounting holes match the screw holes of the ceiling box.
Note: This mounting bracket is a standard cable box.
If the mounting bracket is installed at the outlet box, it should be installed on the outlet box with two screws matching the outlet box itself, as shown in **Fig 4.1**.
This bracket can also be mounted to the wooden ceiling beam, and then the four ST5x24 screws can 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 4.2**. It is also possible to install the mounting bracket directly to the concrete ceiling and install four screws to the left and right corresponding holes of the bracket to lock the ceiling, as shown in **Fig 4.3**.
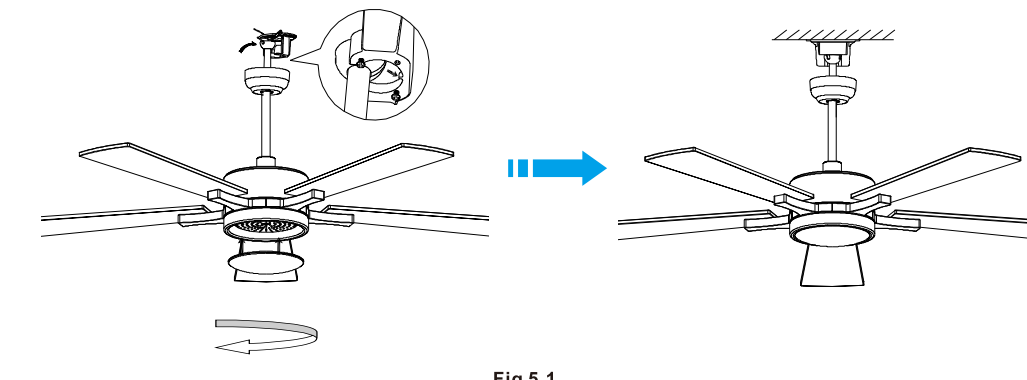

Fig 4.1   Fig 4.2   Fig 4.3

- ST5x24 Screw
- Wood Ceiling
- M8x70 Screw (Not supplied)
- Concrete ceiling

If you have an angled or vaulted ceiling: (Fig 4.4)
1. When installing the mounting bracket, the bracket groove is upward.
2. You will need a longer downrod.
3. If your ceiling angle is greater than 25°, you will also need an Angled Mounting Kit.

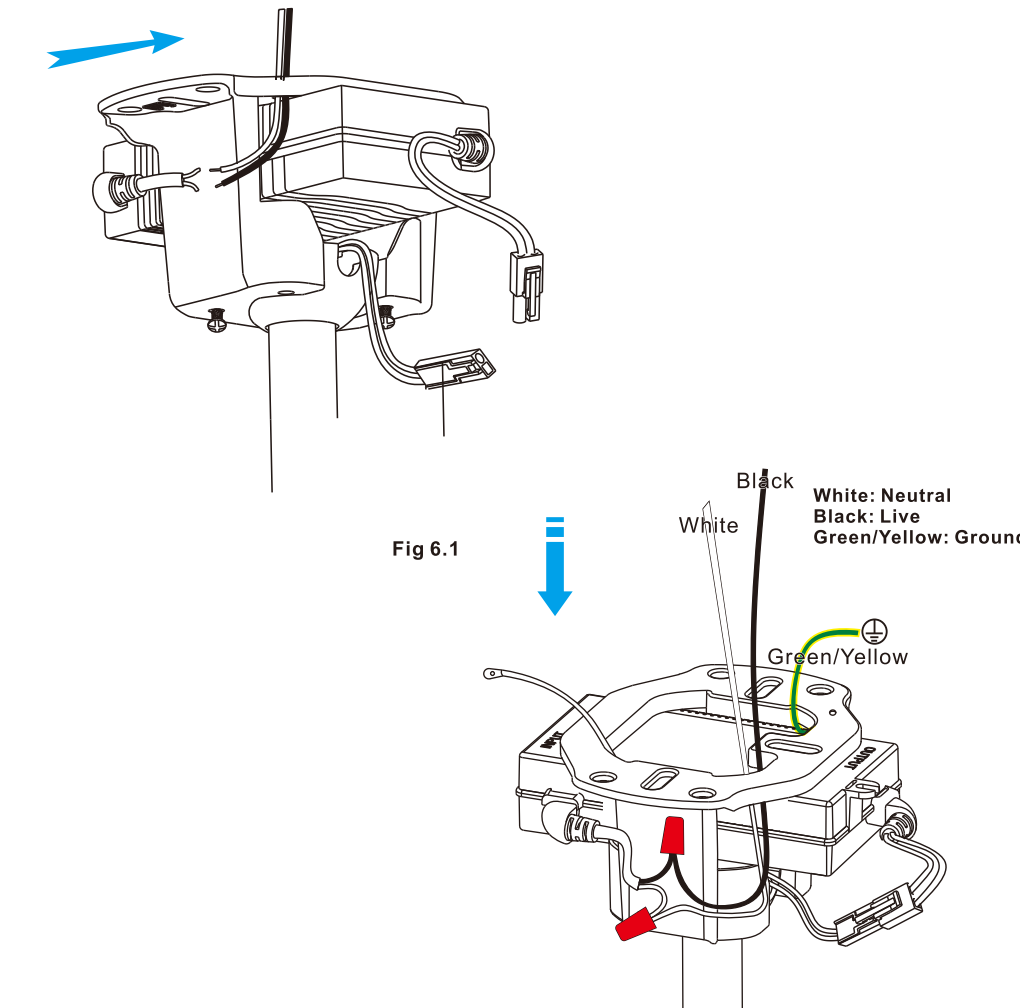Fig 4.4

❺ Hanging Ceiling Fan & Installing Lampshade:

⚠**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.**
⚠**WARNING: Check to see that all connections are tight, including ground, and there are no visible bare wires 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 any electrical shock, be sure electricity is turned off at the main fuse box before wiring.**

Hang the assembled ceiling fan on the mounting bracket that mounted to the ceiling as shown in Fig 5.1, pay attention to the enlarged image as shown in Fig 5.1. The pivot ball on the dowrod needs to hang from inside the socket of the bracket and match up with the slot to lock the pivot ball in place.
Then align the lampshade slot with the slot of lamp panel, and turn it clockwise to lock it tightly.

Fig 5.1

⚠**WARNING: Make sure you tighten the lampshade, otherwise the lampshade will losen and may fall off while the fan is running.**

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❻ Installing Power Adapter & Wiring the fan:

Connect the wire of the power adapter through the bracket as below **Fig 6.1**:
The wires will need to be bound together with electrical tape for added stability. Put the AC Adapter inside the bracket and connect the DC output wire with the wire from motor through the downrod. Make sure all wires are tucked in the canopy. Connect the AC input to the house electricity.
⚠**Warning:** Put AC Adapter into the flat side of bracket and push it through to the other side which the ceiling fan hangs from. Please see the arrow direction shown in Fig 5.2, otherwise the wires will be too short to be connected.
Note: The Green/Yellow wire from bracket connects with the ground wire from supply power, using the wiring cap to tuck the wires together and then hide inside the ceiling.
The White wire from AC Adapter connects with the Neutral wire from supply power, the Black wire from AC Adapter connects with the Live wire from supply power, using the wiring cap to tuck the wires together. (Make sure all the wires are connected to the correct colors as shown below **Fig 5.2**.)

Fig 6.1

- Black
- White: Neutral
- Black: Live
- Green/Yellow: Ground
- White
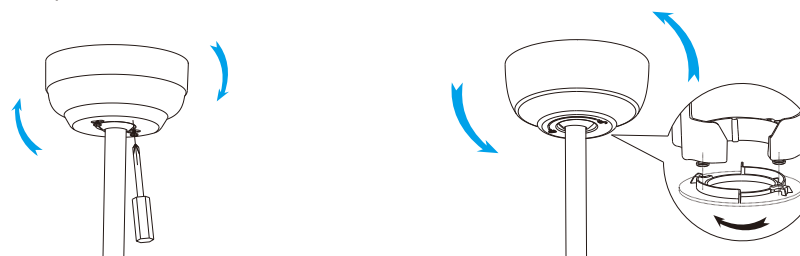- Green/Yellow

❼ Raise Canopy:

There are two kinds of canopies and two ways to install. You may receive one of them. Please follow below instructions before installation.

Installation of the black color fan:
Make sure all wires are tucked in the canopy. Raise the canopy to the mounting bracket, aligning the two screws on the canopy with the holes on the bracket, secure the canopy to the mounting bracket with the screws.

Installation of the fan with other color:
Make sure all wires are tucked in the canopy. Raise the canopy to the mounting bracket, align the two screws into the slot inside the canopy, rotate and twist the canopy to lock into place according to the direction symbol/arrow.

For black fans only   For all other colors except black

Fig 7.1

Installation is now complete. Turn on the power switch as **Fig 7.2**. Then turn the fan light on. Test and pair your fan immediately using the remote control.
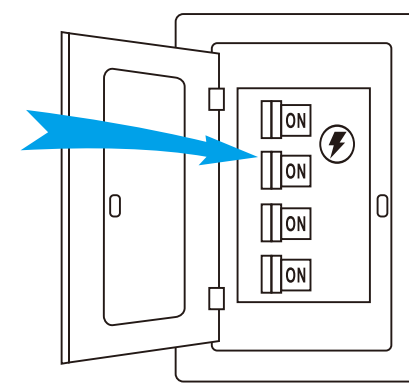
Fig 7.2

Remote Control Operating Instructions:

Pairing the Remote Control to Your Fan
Within 10 min. of plugging fan to power source, press and hold ⌂ button for 5 sec. to pair remote control and fan. Successful pairing will trigger a beep alert .

Remote Control button definitions

OFF Turns the fan off.

F/R Switches between summer mode and winter mode.
・Summer mode - (Counter-clockwise) A downward airflow creates a cooling effect.
・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 decreases fan speed.

Turns the fan on and Increases 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.
Note: Press/hold this button for 5 sec. to turn off the beep. Press/hold button for 5 sec. again to turn it on.

Turns the lights on or off and RF pairing.
Note: Press/hold button for 5 sec. within 10 min. of plugging fan to power source to pair remote and fan. Successful pairing will trigger a beep alert .

Switches between warm light and cool light. WIFI Troubleshooting.
Note: Press/hold button for 5 sec. till beep alert. The fan will switch to AP Mode, then select AP Mode on APP, follow the APP control instructions and enable fan Wi-Fi.

Press/Hold button to decrease the light intensity.

Press/Hold to button to increase the light intensity.

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 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 till hear beep 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.

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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.

Basic product parameters:

Model	CES525EL	Voltage	120V
Fan Blade Span	52"	Rated Wattage	48W(Fan 28W Lamp 20W)
Gross weight	19.4lbs.	Rpm	66-180rpm
Maximum Airflow	4500CFM	Maximum Noise	55dB(A)

Model	CES565EL	Voltage	120V
Fan Blade Span	56"	Rated Wattage	47W(Fan 27W Lamp 20W)
Gross weight	20.3lbs.	Rpm	66-180rpm
Maximum Airflow	5000CFM	Maximum Noise	55dB(A)

Care and cleaning:

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

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.

Do not:

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 off the fan before product maintenance or cleaning the fan.

FCC Statement:

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.
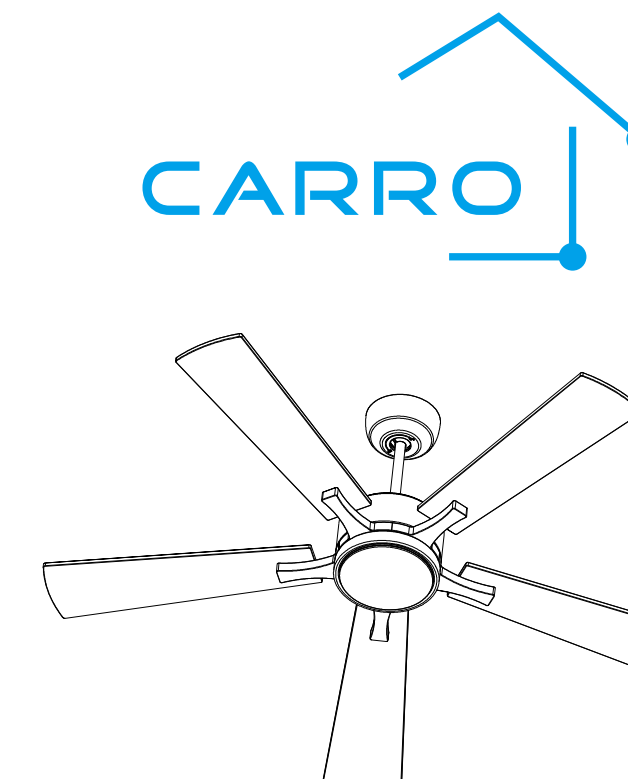— Consult the dealer or an experienced radio/TV technician for help.

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.

Troubleshooting:

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 10 minutes 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 5 seconds till hear beep sound, 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/off)
Fan light not working	1. Make sure LED wires are connected to the circuit board. 2. Make sure the whole fan is powered . 3. 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.
Unable to pair remote and app	1. Check if the wires are connected in the right position or not. 2. Check the batteries in the remote. 3. Disconnect the power for 10 minutes, reconnect the power and pair the remote with the fan immediately, within 5 seconds. Also try pairing the App to reconnect. 4. The WiFi must be 2.4Ghz, incompatible with 5GHz WiFi or combine with 5GHz. 5. App must in the new version. 6. Connect with correct app "Carro Home"
Fan or light turning on or off by themselves	1. Confirm the circuit breaker is not malfunctioning. 2. Verify the wire connections are not frayed. 3. Check the app is not set the timer or schedule 4. Cut the fan power for 10 minutes then power on again. 5. All the pins wiring on the circuit board are inserted tight and in the right position.

ITEM: CES525EL/CES565EL
Technical Parameter: AC 120V 60Hz

SMART CEILING FAN INSTALLATION GUIDE
Please read and follow all the instructions carefully before using this product.
The product image shown here is indicative only.
Actual product you receive may differ.