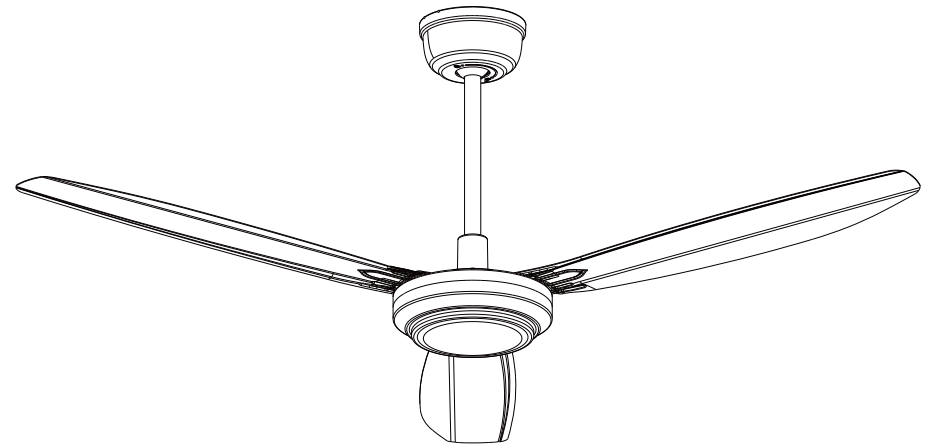# OWNER'S INSTALLATION GUIDE

Please read and save these instructions

56'' Ceiling Fan

MODEL:CWR563Z1N

Technical Parameter: AC 120V 60HZ

CARRO

SMART FANS | LIGHTING

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.**

Important: Please read and save these instructions before installation

Basic Product Specifications

Model	CWR563Z1N	Voltage	120V
Fan Blade Span	56"	Rated Wattage	Fan 33W
Gross Weight	14.2 lbs.	Motor RPM	75-300 RPM
Maximum Airflow	8080 CFM	Maximum Noise	58 dB(A)

U.S. Patent Nos.: 10,511,206 and 11,296,561 and 11,268,568 and 11,668,326 and 11,808,446.
Other Patent(s) Pending.

Questions

Have questions about our products? Contact us and talk to our helpful tech support team.

Technical Support

Business Hours:
Monday – Friday (Holidays observed).
9:00 am to 5:30 pm PST.
Tel: (888) 253-2374

The product images shown in the manual are for reference purposes only. Actual product may differ slightly.

This Carro Ceiling Fan has :

Natural Wind

Energy saving comfort

Built with premium materials
for durability & power

Wall Control

Remote Control

HSSD High-speed Small-diameter

READ AND SAVE THESE INSTRUCTIONS

- Before you begin installing the fan, shut power off at the circuit breaker of the fuse box.

- 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.

- Make sure the installation site you choose allows the fan blades to rotate without any obstructions. Allow a minimum clearance of 3.05m (10 feet) from the floor and 18 inches from the tip of the blades to the wall.

- 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".

- Before and after you install the fan, make sure that all mounting components are secured to prevent the fan from falling.

- Do not insert anything into the fan blades while the fan is operating.

- To change the direction of the rotation of the blades, the fan must be in operation mode.

- All screws must be checked and retightened where necessary before installation.

- 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 outlet box and the ungrounded conductor on the other side of the outlet box.

- 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.

- This device complies with part15 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.
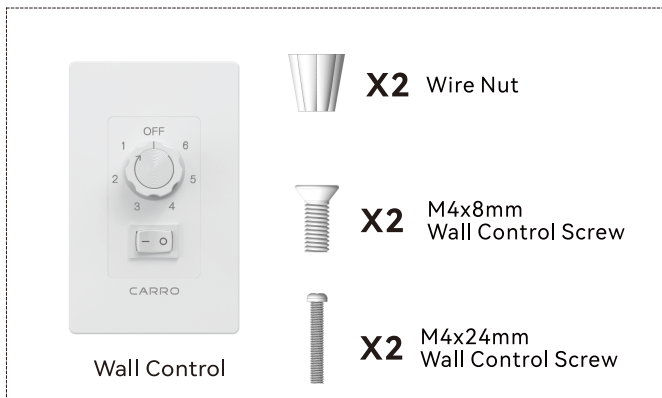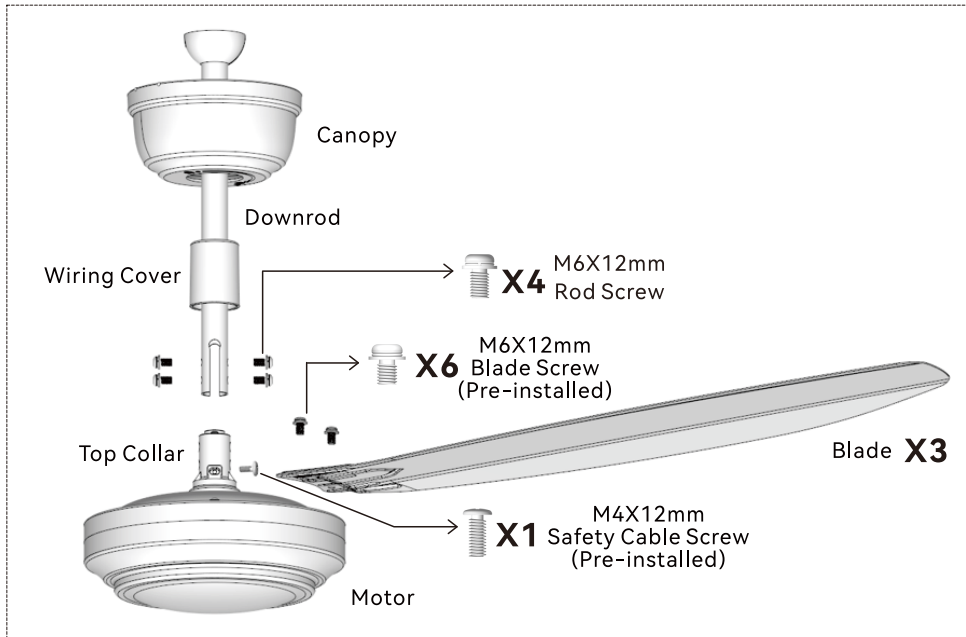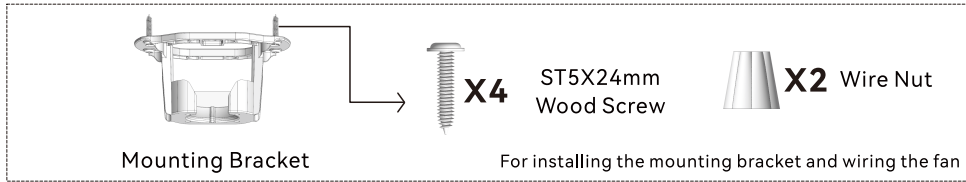
- **CAUTION:** Read all instructions and safety information before installing your new fan. Review accompanying assembly diagrams.

- **WARNING:** Mount only to an outlet box marked acceptable for fan support.
  AVERTISSEMENT: Assembler uniquement à une boîte de sortie jugée acceptable pour retenir un ventilateur.

- **WARNING:** To reduce the risk of fire, electric shock, or personal injury, mount to a structural framing member or to an outlet box marked acceptable for fan support of 15.9 kg (35 lbs) or less. For outlet box mounting, use mounting screws provided with the outlet box.
  AVERTISSEMENT: Afin de réduire les risques d'incendie, de choc électrique ou de blessures corporelles, ils doivent être montés sur des éléments de charpente structurale ou sur des boîtes de sortie marquées d'un support de ventilateur acceptable de 15,9 kg (35 LB) ou moins. Pour l'installation de la boîte de sortie, utilisez les vis de montage fournies avec la boîte de sortie"

- **CAUTION:** To reduce the risk of injury, use only the screws provided with the outlet box in conjunction with the lock washers.

- **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.

- **CAUTION:** To reduce the risk of electric shock, disconnect the electrical supply circuit to the fan.

- **WARNING:** To reduce the risk of fire or electric shock, this fan must be installed with a general use, non-dimmable, single gang, 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.
  AVERTISSEMENT: Ne convient pas à des régulateurs de vitesse à semi-conducteurs.

- **CAUTION:** The fan 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.

- **WARNING:** Do not use corrosive detergents for cleaning.

- **WARNING:** To reduce the risk of fire, electric shock, or injury to persons, do not use replacement parts that have not been recommended by the manufacturer. (e.g. Parts made at home using a 3D printer).

- **NOTE:** Before instaling the fan, please check and inspect all of the fan components and make sure they have all been received in good condition. Contact the manufacturer if there are any missing, damaged, or broken parts.
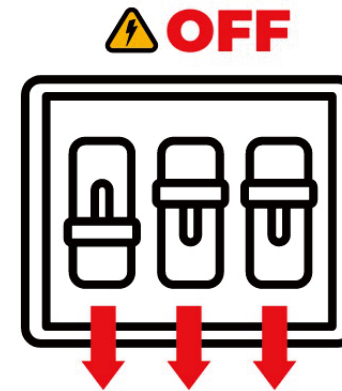
Table of Contents

Fan Diagram

Before installing, please check to make sure you have received all the necessary components for installation. Some extra hardware may also have been included.

Mounting Bracket

X4 ST5X24mm Wood Screw

X2 Wire Nut

For installing the mounting bracket and wiring the fan

Canopy

Downrod

Wiring Cover

X4 M6X12mm Rod Screw

X6 M6X12mm Blade Screw (Pre-installed)

Top Collar

Blade **X3**

X1 M4X12mm Safety Cable Screw (Pre-installed)

Motor

X2 Wire Nut

X2 M4x8mm Wall Control Screw

X2 M4x24mm Wall Control Screw

Wall Control

Remote Control

Installation

⚠ OFF

WARNING: To avoid serious injury or death, turn off the power at the circuit breaker before installing the fan.

Tools you'll need

Phillips screwdriver

Step ladder

Installation: Fan Blades

1. Install the Fan Blades

1.1 Remove the blade screws from the motor head, as illustrated in Fig. 1.1.

1.2 Align the two holes on the blade with the corresponding screw holes on the motor head, and secure the blades using the blade screws, as illustrated in Fig. 1.2.
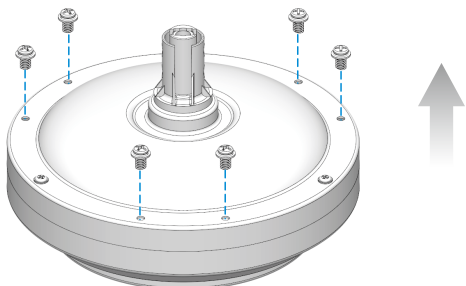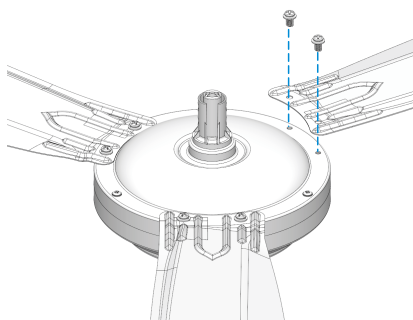
Fig. 1.1

X6 M6X12mm
Blade Screw

Fig. 1.2

Installation: Downrod

2. Attach the Downrod

Safety Cable

2.1 Assemble the downrod as shown in Fig. 2.1. Insert the downrod through the canopy and wiring cover.

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

Fig. 2.1

2.2 Thread the motor wires through the downrod, pull out the slack from the motor wires and safety cable upward, and insert the downrod into the collar on top of the motor assembly. Align the holes at the bottom of the downrod with the holes in the collar on top of the motor housing.
Remove the pre-installed safety cable screw. Install the safety cable and re-insert the previously removed screw back through the hole, but do not tighten yet. Check the top collar to make sure the holes are aligned to install the four rod screws (included in the package), and securely tighten down all the screws to ensure a proper connection as shown in Fig. 2.2.
Slide the wiring cover down until it rests on top of the motor assembly as shown in Fig. 2.3.
Note: Before sliding the downrod over the collar on top of the motor assembly, make sure to remove the end of the safety cable from the downrod.
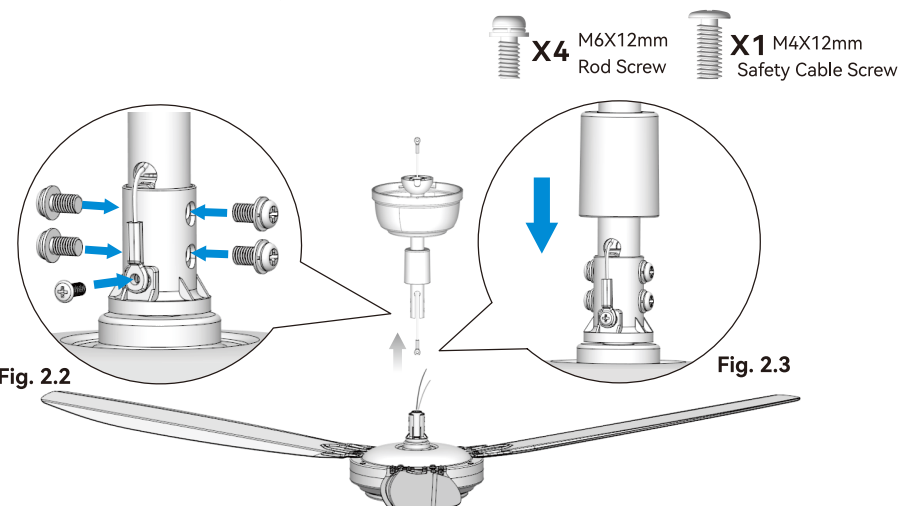
X4 M6X12mm
Rod Screw

X1 M4X12mm
Safety Cable Screw

Fig. 2.2

Fig. 2.3

3. Install the Mounting Bracket

Install the mounting bracket to the ceiling box, as shown in Fig. 3.1 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. 3.1.

WARNING: DO NOT use plastic outlet box. Use only U.L. listed outlet boxes marked "Acceptable for Fan Support of 15.9 kg (35 lbs) or less".

This bracket can also be mounted to a wooden ceiling beam. In that case, use the four ST5x24mm wood screws to lock the corresponding holes on the left and right sides of the bracket as shown in Fig. 3.2.
Note: The wooden ceiling beam must meet the tensile test of 30kg for installation.

It is also possible to install the mounting bracket directly to a concrete ceiling and use four anchors (not included) to lock the left and right corresponding holes of the bracket to the ceiling.
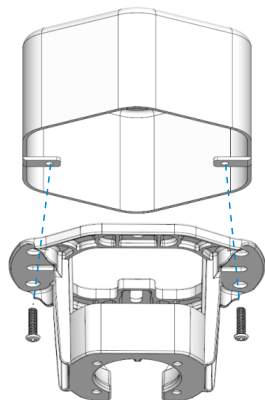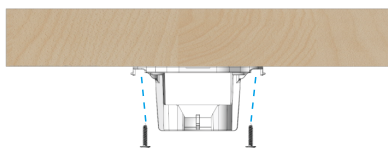
Fig. 3.1

Fig. 3.2

If you have an angled or vaulted ceiling (see Fig. 3.3)
1. When installing the mounting bracket, the bracket groove should be facing upward, as shown in Fig. 3.4. Do not install the bracket with the groove facing downward, as shown in Fig. 3.5.
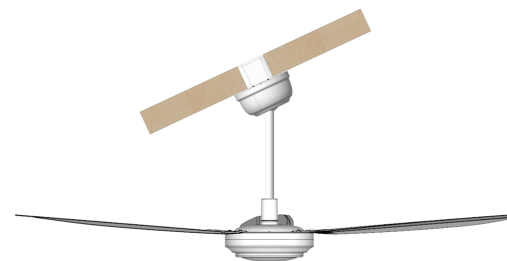2. You will need a longer downrod.
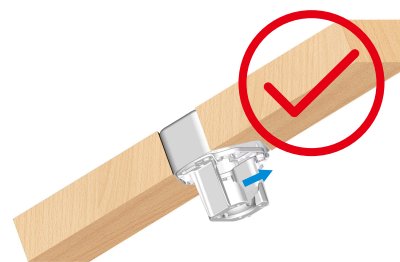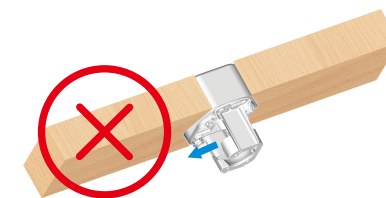3. The maximum angle is 27 degrees.

Fig. 3.3

Fig. 3.4

Fig. 3.5

CARRO

4. Hang the Fan

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.

4.1 Install the ball end of the downrod into the opening of the mounting bracket. Rotate the downrod until the tab on the mounting bracket is securely seated in the slot in the downrod ball, as shown in the enlarged image in Fig. 4.1.
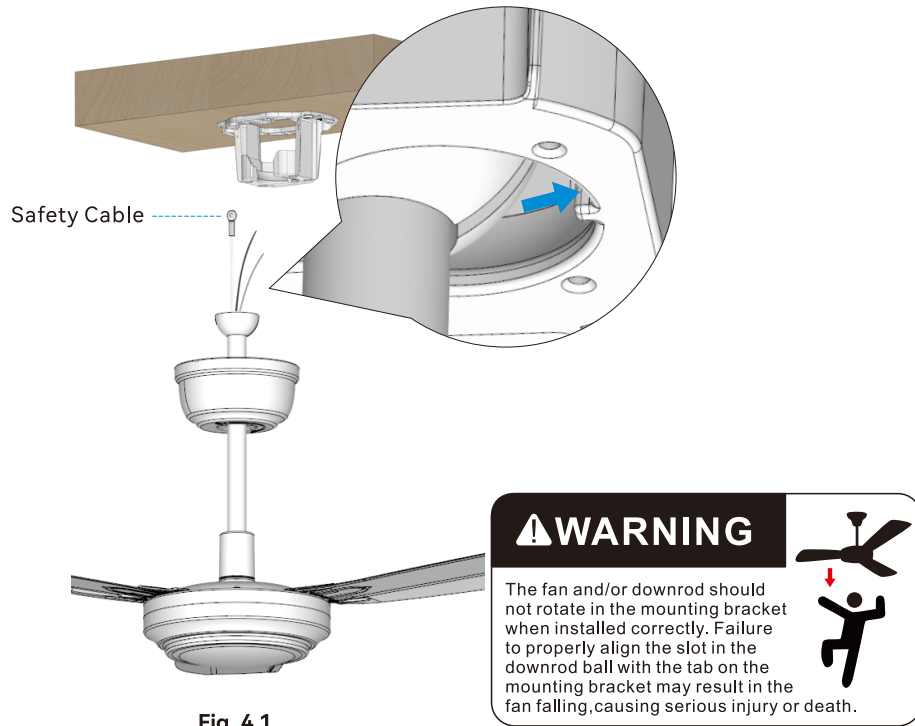
Safety Cable -----------

⚠ WARNING

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

Fig. 4.1

CARRO

4.2 Attach the other end of the safety cable to a secure location. Fasten the safety cable to the ceiling using a screw and washer (not included), as depicted in Fig. 4.2.

Note: Installing the ceiling fan with a safety cable is an extra safety feature. It secures the fan to the ceiling hook or other attachment point and prevents the fan from falling even in the case of material failure.

Fig. 4.2

5. Connect the Wiring

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 electrical shock, do not use this fan with any other solid-state speed control device.

WARNING: To avoid any electrical shock, be sure electricity is turned off at the main fuse box before wiring.

Securely connect the Green/Yellow wire to the supply Ground wire using a wire nut. Securely connect the White wire from the fan to the supply White (Neutral) wire, and the Black wire from the fan to the Black wire from the wall control using wire nuts.

Securely connect the Brown wire from the wall control to the supply Black/Red (Hot/Live) wire, and the Black wire from the wall control to the Black wire from the fan using wire nuts.
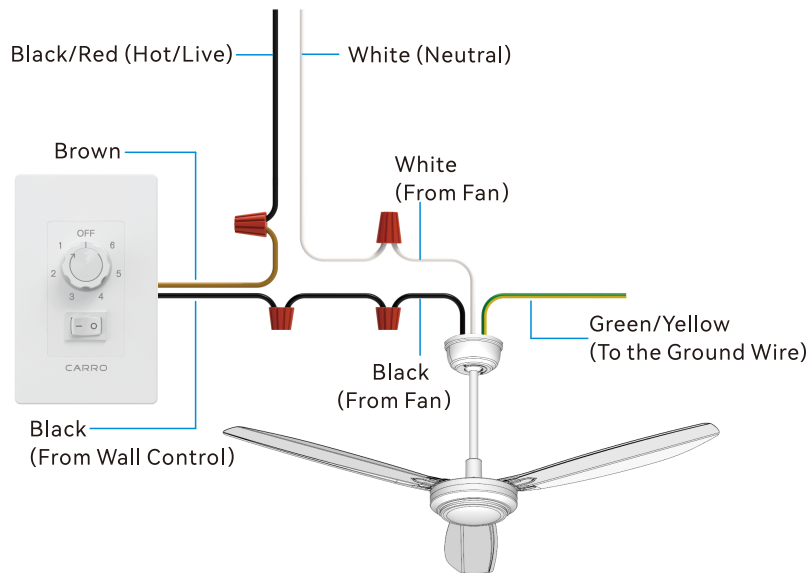
Black/Red (Hot/Live) — White (Neutral)

Brown — White (From Fan)

Green/Yellow (To the Ground Wire)

Black (From Fan)

Black (From Wall Control)

Fig. 5.1

6. Install the Canopy

There are two types of canopies and two ways to install them. Please follow the instructions below before installation.
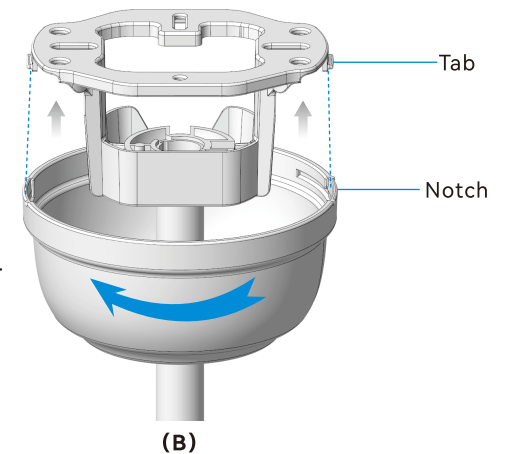
A: The screws of the mounting bracket are exposed.

Make sure all wires are tucked into the canopy. Raise the canopy to the mounting bracket and align the holes in the canopy with the two mounting bracket screws. Then, turn the canopy in the direction of the arrow shown in Fig. A until the mounting bracket screws engage from the larger slots of the canopy to the smaller ones. Tighten the screws securely to fix the canopy onto the mounting bracket.

(A)

B: There are no screws on the mounting bracket.

Make sure all wires are tucked in the canopy. Raise the canopy to the mounting bracket and align the two notches inside the top of the canopy with the two tabs on the top of the mounting bracket. Attach the canopy by lifting and twisting it until it stops.

Tab

Notch

(B)

7. Install the Wall Control

Carefully tuck the wires connections from the wall control inside the wall outlet box. Secure the wall control with the two wall control screws. There are two types of wall control screws, choose the one that suits you best.
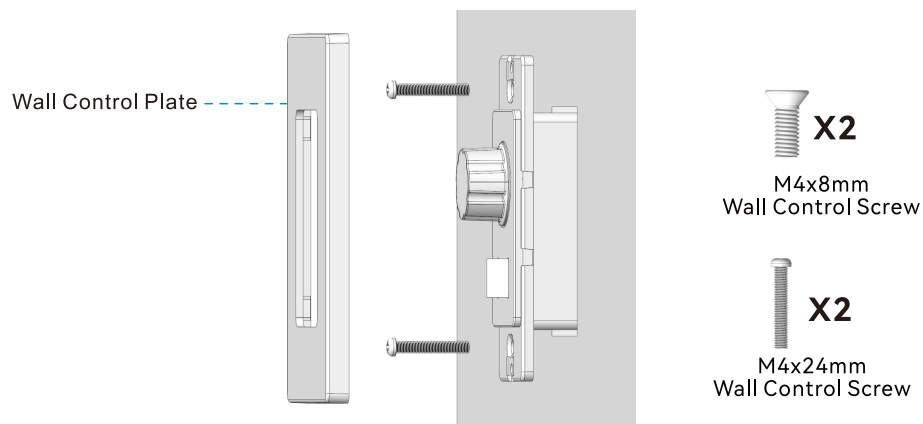Attach the wall control plate over the wall control, as shown in Fig. 7.1.

Wall Control Plate

X2

M4x8mm
Wall Control Screw

X2

M4x24mm
Wall Control Screw

Fig. 7.1

8. Power On

At this time, the ceiling fan has been installed. Turn on the power supply from the circuit breaker of the main switch or the room where the ceiling fan is installed. Once the power is on, pair the fan with the remote immediately.

Note: Please be aware that this ceiling fan may produce noticeable operating sounds at specific wind speeds. This is a normal operating characteristic and does not indicate any issues with its functionality.
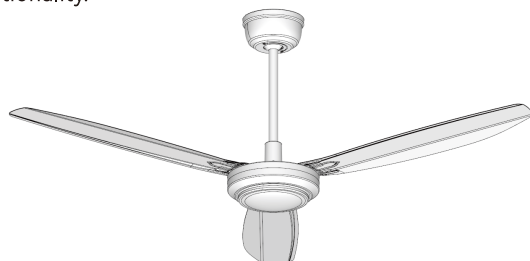
Fig. 8.1

Wall Control Operation

Main Power Switch Operation
Set the main power switch to the "O" position to power off the fan. Set the main power switch to the "-" position to enter standby mode, allowing adjustment of speed settings through the knob.
Note: For safety and fan protection during extended periods of non-use, set the main switch to the "O" position.

Standby Mode
Set the main power switch to the "-" position to enter standby mode. If the knob is set to "OFF," the fan remains in a stopped state.
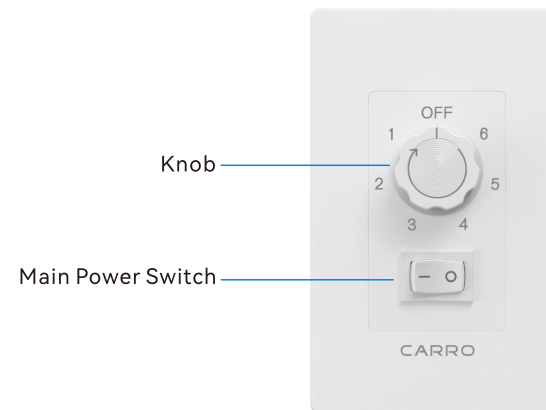
Fan Speed Adjustment
Turn the knob clockwise to set your desired fan speed:

OFF- Fan Off
Level 6- Maximum Speed
Level 5- High Speed
Level 4- Medium Speed
Level 3- Low Speed
Level 2- Slow Speed
Level 1- Minimum Speed

Note: The knob can only be turned clockwise to set the fan speed.

Power Outage Recovery
In case of a sudden power outage during fan operation, and no user intervention occurs after power restoration, the fan will automatically resume operation at the maximum speed (excluding "OFF"). Turn the knob clockwise to "OFF" and then reset your desired fan speed.

Knob

Main Power Switch

Remote Control Instructions

Pair the Remote Control to Your Fan

Power on the fan and pair the remote to the fan within 1 min. To pair the remote to fan, press and hold ⊘ button for 5-10 secs. Then test it.

Note: If you do not pair the fan to the remote within 1 minute of connecting it to the power, you will need to reset the fan by disconnecting it from the power before attempting to pair the remote again.

Remote Control Button Definitions

OFF Turn the fan off.

F/R Switch between summer mode and winter mode.
·Summer mode – (Counter-clockwise)
·Winter mode – (Clockwise)
Note: Fan must be running to switch between Summer / Winter modes.

ON Turn the fan on and decrease fan speed.

ON Turn the fan on and increase fan speed.

Breeze Nature Toggle the fan speed between "Nature Mode" and "Breeze Mode". Simulate a soothing breeze that is gentle enough not to disrupt your sleep. To revert to the fan's regular mode, simply press either the speed-up or speed-down button.

⊘ Remote 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 5-10 secs to pair. Then test it.

WARNING: Do not expose the remote control to direct contact with water.

Troubleshooting

Try these troubleshooting steps before contacting 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 Check to make sure the fan wires are correctly connected to the house wires. ④ Remote control must be paired with the fan within 1 minute after connecting the fan to the electricity. ⑤ If you have paired the remote but the fan still does not work or couldn't pair the remote 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 5-10 seconds. Then test it. ⑥ Use a multi-meter and test the wiring harness to see if there is any electrical output. ⑦ All the pin wiring on the circuit board must be inserted tight and in the correct position. ⑧ Remote needs to be paired 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 not working	Make sure the whole fan is powered.
The fan is noisy and wobbling	① Check if the blade screws are NOT rubbing against any part of the motor housing. ② Check the pin wires are NOT connected against any moving parts. 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 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 blades 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.
Unable to pair remote	① Check if the wires are connected in the correct 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 1 minute.
Fan turning on or off by itself	① Confirm the circuit breaker is not malfunctioning. ② Verify the wire connections are not frayed. ③ Cut the fan power for 10 minutes then power on again. ④ All the pin wiring on the circuit board must be inserted tight and in the correct position.

Care & Cleaning

1   Check the support connections, brackets, and blade 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.

    WARNING: Power off the fan before performing 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.