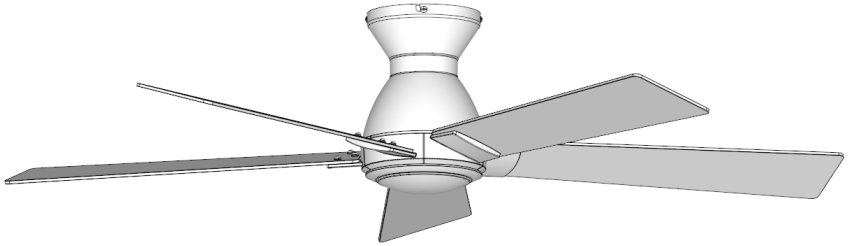
## WARRANTY INSTRUCTIONS

Please keep a copy of your original purchase receipt.

*Thank you for your purchase!*



**MODEL:CFR485J1N-FM/CFR525J1N-FM**

CARRO

Smart Life Stays In Motion

# INSTALLATION INSTRUCTIONS


**FEEL FREE TO CONTACT US AT:**

CARRO USA INC.

1037 W. 9th Street, Unit 101, Upland, CA 91786

Tel: (888) 253-2374

Email: cs@carrohome.com

**Facebook**

facebook.com/carrousa

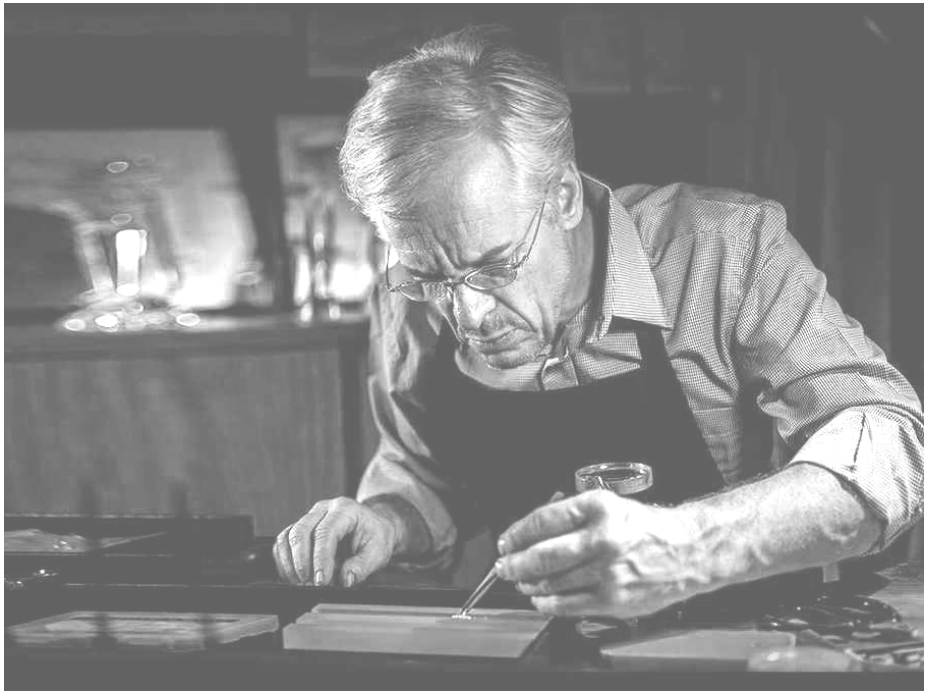
**Instagram**

instagram.com/carro_usa


CARROHOME.COM

CARRO

MANUFACTURING QUALITY
CEILING FANS SINCE FOREVER.



*The Leader in Smart Ceiling Fan Technology.*

# Important: Please read and save these instructions before installation

## Basic Product Specifications

| | | | |
|---|---|---|---|
| Model | CFR485J1N-FM | Voltage | 120V |
| Fan Blade Span | 48" | Rated Wattage | 26W |
| Gross Weight | 14.6 lbs. | Motor RPM | 65-215 RPM |
| Maximum Airflow | 3700 CFM | Maximum Noise | 58 dB(A) |

| | | | |
|---|---|---|---|
| Model | CFR525J1N-FM | Voltage | 120V |
| Fan Blade Span | 52" | Rated Wattage | 26W |
| Gross Weight | 15 lbs. | Motor RPM | 65-205 RPM |
| Maximum Airflow | 4630 CFM | Maximum Noise | 58 dB(A) |

**U.S. Patent Nos.: D1,013,144 and 10,511,206 and 11,296,561 and 11,808,446 and 11,781,746.**
**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.

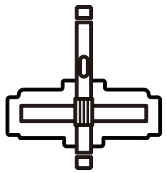
## This Carro Ceiling Fan is :



Variable Speed Options



Forward / Reverse
Fan Direction



DC Motor, stable & silent,
suitable for indoor use



Built with premium materials
for durability & power



Remote Control



# SAFETY PRECAUTIONS



### 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 2.1m (7 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.

# SAFETY PRECAUTIONS



- **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.
- **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.
- **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 installing 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




06 Fan Diagram

07 Fan Blades

08 Mounting Options

09 Hanging

10 Safety Rope

11 Wiring

12 Securing the Fan

13 Decorative Cover / Power On

14 Remote Control

15 Troubleshooting

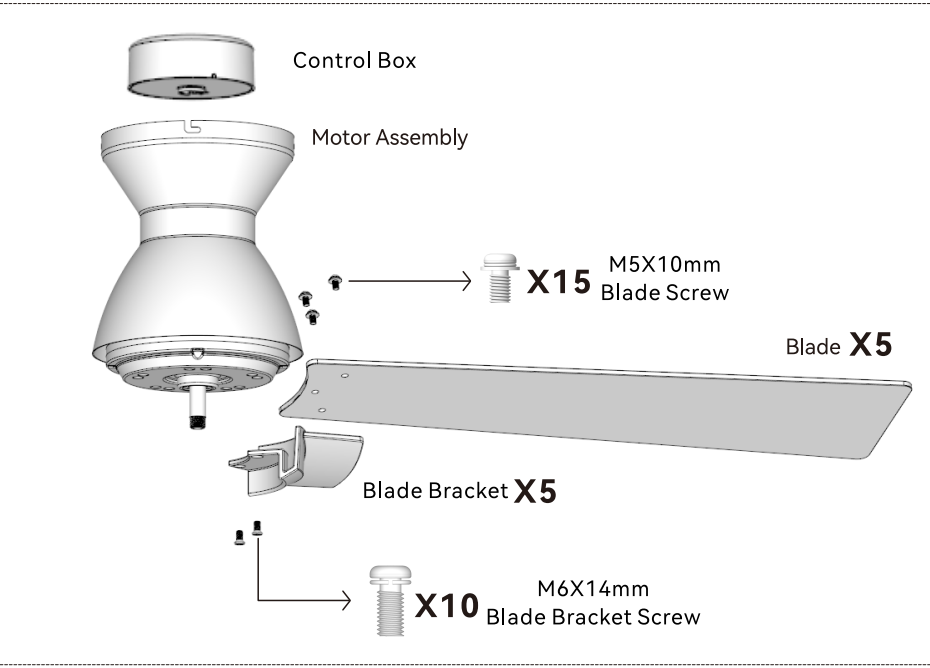
16 Care & Cleaning / FCC

# 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.





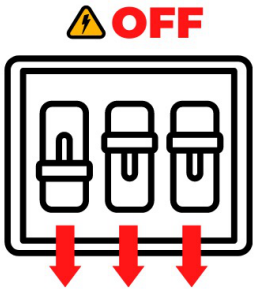







# Installation: Fan Blades






**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

## 1. Assemble the Fan Blades

1.1 Locate the 15 blade attachment screws included in the hardware pack. Use these screws to firmly attach each blade to the blade bracket, as demonstrated in Fig. 1.1.

1.2 Follow the same procedure for the remaining blades, making sure all screws are tightly secured to ensure a stable installation.

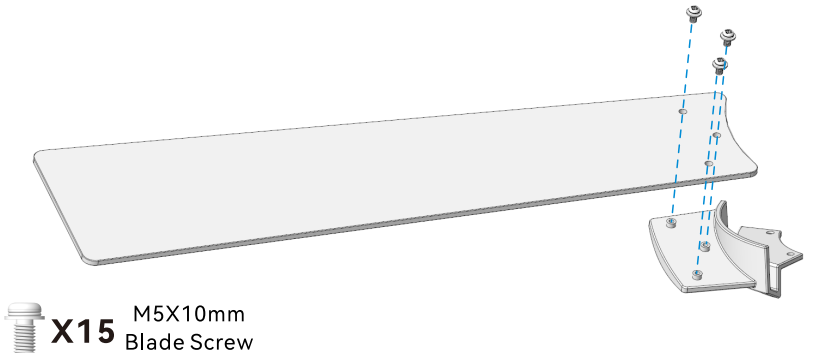
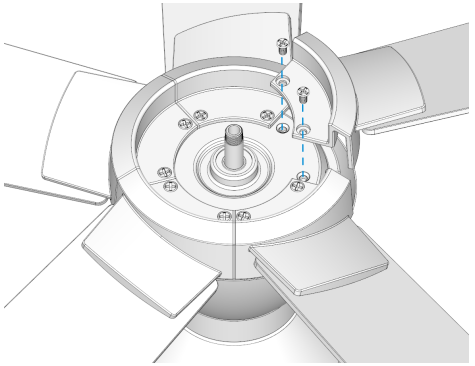



**Fig. 1.1**

## 2. Install the Fan Blades

Gently place the motor housing. Secure the blade brackets, along with the assembled fan blades, to the motor housing using the blade bracket screws included in the hardware pack.



X10
M6X14mm
Blade Bracket Screw

Fig. 2.1

## 3. Install the Mounting Plate

3.1 Utilize a screwdriver to remove the two canopy screws situated in the single holes. Subsequently, gently loosen the other two canopy screws positioned in the L-shaped holes.

Proceed by rotating the mounting plate to align it with the designated notch, and then pull to detach the mounting plate. Remember to retain the screws for later use.



X4
3/16"X1/3"
Canopy Screw

Fig. 3.1



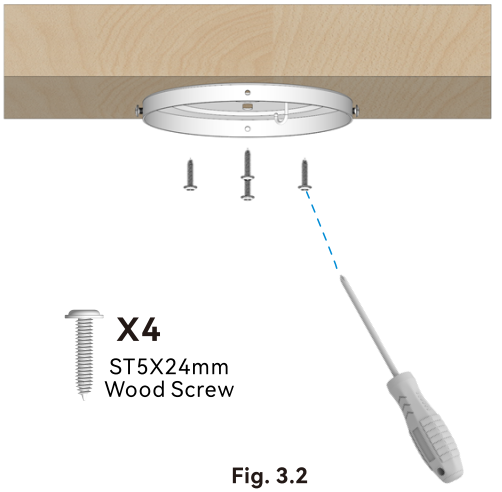


3.2 You have two options for the mounting plate installation. Choose the one that works best for your location.

**WARNING:** Before beginning, make sure to turn off the power from the circuit breaker!

**Note:** For optimal fan performance, ensure that the mounting plate is level.

**Option 1:** Secure the mounting plate to a wooden ceiling beam or support structure with an approved electrical outlet box using the ST5x24mm wood screws (included) as shown in Fig. 3.2.



X4
ST5X24mm
Wood Screw

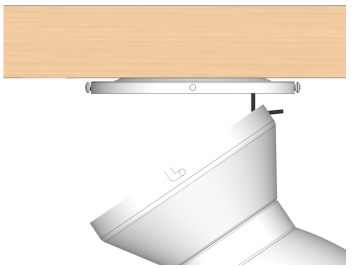
Fig. 3.2

**Option 2:** Use machine screws (provided with outlet box) and washers to attach the mounting plate to an existing ceiling fan-rated outlet box. If the mounting plate is installed at the outlet box, it should be installed on the outlet box with the screws that came with your outlet box. Pull the supply wires (the black, white, and ground wires) out of the outlet box and through the hole in the mounting plate, then set them aside.

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

## 4. Hang the Fan

4.1 Carefully lift the fan-motor assembly and hang it using the hook of the mounting plate. Securely suspend the motor assembly by using one of the round holes at the outer rim of the motor housing as shown in Fig. 4.1.



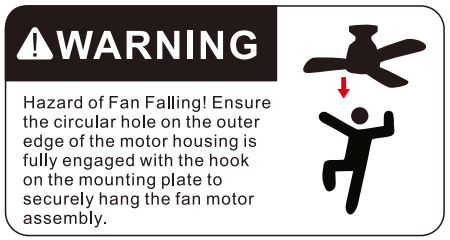



Fig. 4.1

4.2 There are multiple methods to install the safety rope; here are two options for your reference.

**Option 1:** Refer to Fig. 4.2. Hang the safety rope on the ceiling hook (not included). Using a screwdriver, loosen the screw on the safety rope lock. Pull the safety rope taut and then tighten the screw on the safety rope lock to ensure a firm and secure connection between the safety rope and the ceiling hook. Always double-check to ensure the safety rope is taut.

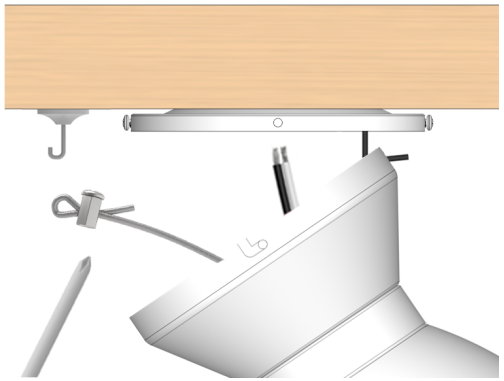


Fig. 4.2

**Option 2:** Refer to Fig. 4.3. Thread a screw, accompanied by a washer (both not included), through the center of the safety rope. Fasten the screw to the ceiling and then loosen the screw on the safety rope lock using a screwdriver. Pull the safety rope taut and then tighten the screw on the safety rope lock to securely anchor the safety rope to the fixed screw on the ceiling. Always double-check to ensure the safety rope is taut.

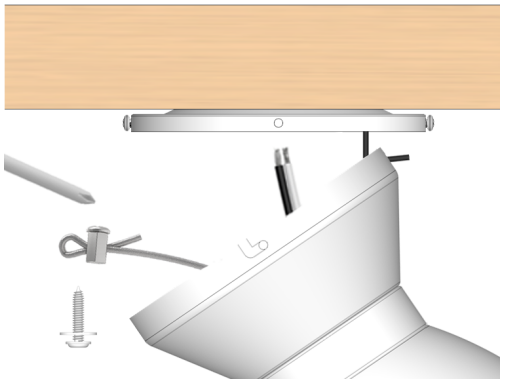


Fig. 4.3

**Note:** Installing the ceiling fan with a safety rope 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.

When the safety rope is fixed and installed, it is important to adjust both the length of the wire rope and the screw on the safety rope lock to ensure a secure and tight connection with the fixed object.This step is crucial to prevent the safety rope from accidentally coming off. Improper installation of the safety rope may compromise its effectiveness and lead to potential safety risks. Therefore, it is essential to make sure the safety rope is properly tightened and secured for maximum safety.





## 5. Connect the Wiring

Connect the Green/Yellow wire from the mounting plate to the supply Ground wire using a wire nut.

Connect the White wire from the motor to the supply White (Neutral) wire using a wire nut. Connect the Black wire from the motor to the supply Black/Red (Hot/Live) wire using a wire nut.

Make sure all the wires are connected to the correct colors as shown in Fig. 5.1. Then, hide the wiring inside the motor housing.

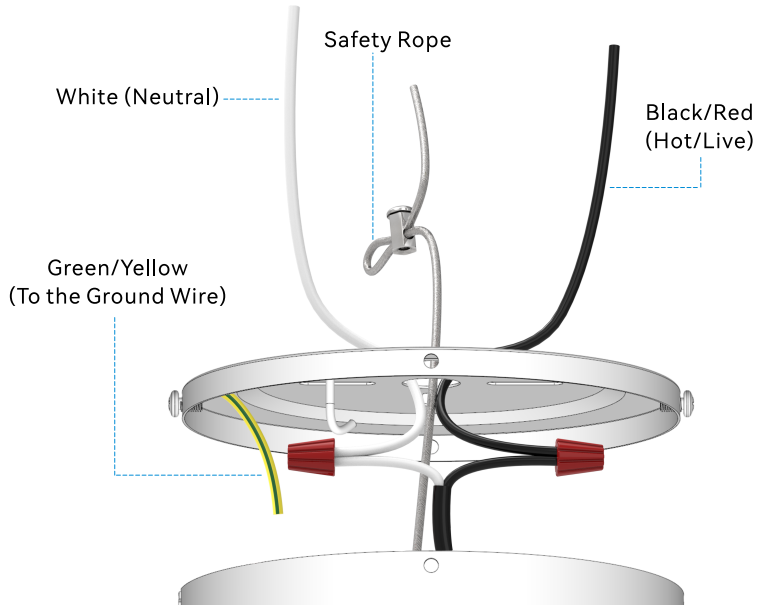



Fig. 5.1

## 6. Secure the Fan

With both hands, gently lift the fan body off of the hook. Ensure that the hook does not interfere with the wires.

Align the L-shaped holes on both sides of the fan body with the two loosened canopy screws on the mounting plate. Slide the two slots on both sides of the fan body between the heads of the screws, and then rotate the fan body to ensure the screws hold the fan body firmly in place.

Reinstall the other two canopy screws that were previously removed into the single holes. Tighten all four screws securely.

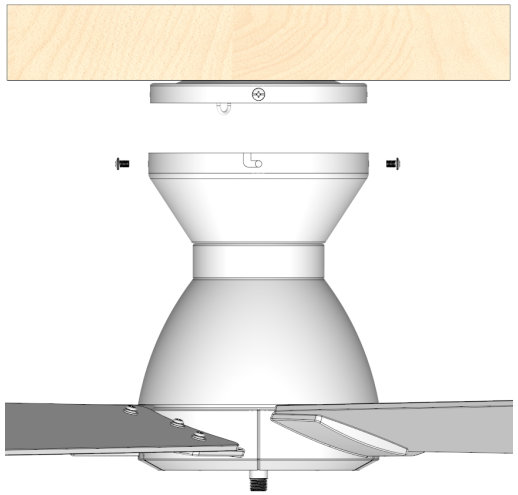


Fig. 6.1



X4

3/16"X1/3"
Canopy Screw








## 7. Install the Decorative Cover

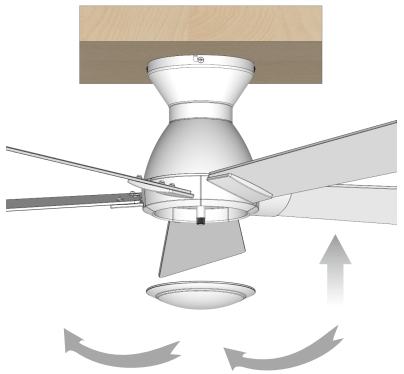


Fig. 7.1

Rotate the decorative cover until it is locked to the motor shaft tightly.

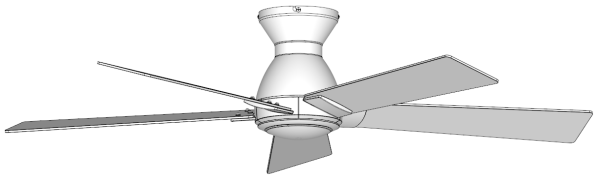



## 8. Power On

**WARNING:** Before operating the fan, ensure that the safety rope is properly installed and securely attached. Verify that all mounting screws are fully tightened and the fan is firmly secured.

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.



# 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 the fan, press and hold the ✓ button for 5-10 secs to pair. Test the functionality of the fan after pairing the remote to confirm the remote has been paired.

**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.

## Power-Off Memory Function

After a sudden power outage, the fan will automatically resume its previous speed, rotation direction, and mode (Nature/Breeze) once power is restored, unless there is subsequent user intervention.

## Remote Control Button Definitions

OFF — Press to turn off the fan. The current fan speed settings and rotation direction will be retained and automatically restored upon restart.

ON — Press to turn on the fan with the previous speed settings and rotation direction; press again to decrease the speed by one level (minimum is 1).

ON — Press to turn on the fan with the previous speed settings and rotation direction; press again to increase the speed by one level (maximum is 10).

F/R — Switch between Summer Mode (Counter-clockwise) and Winter Mode (Clockwise).
**Note:** Fan must be running to switch between Summer/Winter modes. The current rotation direction will be retained and automatically restored upon restart.

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:** Press and hold this button for 5-10 seconds within 1 minute of powering on the fan. Test the functionality of the fan after pairing the remote to confirm the remote has been paired.

**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

CARRO

**WARNING:** Power off the fan before performing maintenance or cleaning the fan.

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.

## FCC Statement

CARRO

**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.





# WARRANTY

**CARRO Limited Warranty**

CARRO warrants to the original purchaser that this CARRO ceiling fan is free from defects in materials and workmanship under normal use at the original installation location. This Limited Warranty applies only to defects arising solely from manufacturing, as determined exclusively by CARRO.

CARRO's sole obligation under this Limited Warranty, and the purchaser's exclusive remedy, shall be limited, at CARRO's sole discretion, to the repair or replacement of any defective part or component.

Except as expressly stated in this Limited Warranty, all costs associated with warranty service, including but not limited to labor, installation, removal, transportation, expedited shipping, and third-party service fees, shall be the sole responsibility of the purchaser.

**Obtaining Warranty Service**

Warranty registration is not required. To obtain warranty service, the purchaser must provide proof of purchase (such as the original receipt) from an authorized dealer. CARRO may, at its sole discretion, accept a gift receipt.

Do not return any product or parts to CARRO without prior authorization. All returns must include a valid Return Merchandise Authorization (RMA) number issued by CARRO Technical Support. Unauthorized returns will be refused, and any costs associated with retrieving such shipments shall be the purchaser's responsibility.

**To request warranty service, contact CARRO:**

- Email: cs@carrohome.com
- Phone: (888) 253-2374

**What Does This Warranty Cover ?**

**All Parts & Motor – Three (3) Year Limited Warranty**

If any component of the CARRO ceiling fan fails within three (3) years from the date of purchase due to a manufacturing defect, as determined solely by CARRO, CARRO will, at its sole discretion, provide repair or replacement of the defective part or component at no charge, subject to the Replacement Parts and Shipping policy below. This Limited Warranty applies to the original purchaser and to normal use at the original installation location only.

**Replacement Parts and Shipping**

Within the three (3) year warranty period, for the first approved warranty replacement request, if CARRO determines that a replacement part, component, or product is required, CARRO will provide the applicable replacement part, component, or product and cover standard shipping/delivery costs at no charge. For each subsequent approved replacement request for parts or components during the same warranty period, CARRO will provide the required replacement part or component at no charge, but the purchaser shall be responsible for all shipping/delivery costs. This warranty does not cover any additional costs, including but not limited to labor, installation, removal, reinstallation, electrician fees, or other third-party service fees.

**Replacement Policy**

The term "All Parts & Motor" limited warranty does not mean that the entire product will be replaced for every warranty issue. If CARRO determines that the product does not have a severe quality issue requiring whole-product replacement, CARRO will prioritize replacing the defective part or component. Whole-product replacement will be provided only when CARRO determines, at its sole discretion, that the issue cannot be reasonably resolved by replacing parts or components. If an exact replacement part, component, or product is not available, CARRO reserves the right, at its sole discretion, to provide a comparable or functionally equivalent replacement part, component, or product.

**Exclusions and Limitations**

This Limited Warranty does not cover:

- Labor Costs: Including installation, removal, or replacement by electricians or other service providers.
- Consumables: Including batteries and light bulbs.
- Final Sale Items or non-CARRO products.
- Products purchased from unauthorized dealers or without valid proof of purchase.
- Products installed outside the United States or owned by someone other than the original purchaser.

This Limited Warranty also does not cover:

- Normal wear and tear or cosmetic damage.
- Damage resulting from:
  - Improper installation or failure to follow instructions
  - Misuse, abuse, or neglect
  - Unauthorized modifications or repairs
  - Improper maintenance
  - Incorrect voltage, power surges, or electrical issues
  - Use of incompatible parts or accessories
  - Environmental factors, including but not limited to moisture, humidity, corrosion, sunlight exposure, or natural disasters (e.g., floods)
  - Damage caused by animals or external forces

To the fullest extent permitted by law, CARRO shall not be liable for any indirect, incidental, or consequential damages arising from the use or inability to use the product.

Some states do not allow limitations on implied warranties or the exclusion of incidental or consequential damages; therefore, the above limitations may not apply.

**General Terms**

This Limited Warranty applies only to the original purchase and begins on the original date of purchase. Any replacement parts or products provided under this warranty shall be deemed part of the original purchase and will not extend the original warranty period.