Infinity-iD Profile

DC

Installation Manual

Version 1.0

fanco

CEILING FAN INSTRUCTION BOOKLET

Thank you for purchasing your Fanco Infinity-iD Profile DC Ceiling Fan.
Please read all instructions carefully before assembly and use.

IMPORTANT SAFEGUARDS:
Read all instructions carefully, even if you feel you are quite familiar with this type of appliance. When using electrical appliances, in order to reduce the risk of fire, electric shock, and/or injury, these basic safety precautions should always be followed:

1. All wiring must be done by a licenced electrician as on-site warranty may be voided if proof cannot be provided. This ceiling fan **MUST** be installed by a Qualified Electrical Contractor in accordance with the local regulations, and all local, state and national electrical codes. Any alterations or additions to building wiring must be completed by a licensed electrical contractor, or person authorised by legislation to work on the fixed wiring of any electrical installation.
2. The fan must be connected to a 230V AC 50Hz power supply.
3. All electrical work must only be undertaken after disconnection of the power by removing fuses or turning off the circuit breaker, to ensure all pole isolation of the electrical supply.
4. The fan must be earthed.
5. The fan must be installed so that the blades are at least 2.1 metres above the floor.
6. The ceiling fan weight is max. 4.6kg. The structure that the ceiling fan is mounted to must be capable of supporting a weight of at least 45kg. The fixing must be able to support the moving weight of the fan and must not twist or work loose.
7. For optimal performance, ensure installation site allows sufficient clearance (minimum 300mm) between the blades and wall or other object present (ex. beams). Insufficient clearance between the blade tip and wall or ceiling, may cause undesired effects such as wobbling or reduced airflow, which is not covered under warranty. The bigger the clearance, the better the airflow output.
8. This product can be installed in a position where it is covered and enclosed by 3 walls ideally (including alfresco areas) and there is a minimum clearance of 1.5m from the blade tip to all edges of the roof or unprotected points or positions which could be exposed to water, moisture or other dangerous external elements (including excessive wind, direct heat and hail). Damage or mechanical failure due to exposure to these elements are not covered by warranty as it would not be deemed a product fault.
9. **DO NOT** connect the fan motor to a dimmer switch. This may give an unsatisfactory performance (motor hum) and cause damage to the motor and/or controller. Use ONLY the provided remote control.
10. This appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they **DO NOT** play with the appliance.
11. It is **NOT** recommended that ceiling fans and gas appliances be operated in the same room at the same time.
12. The fan must be turned off and stopped completely before reversing the fan direction. This will prevent any damage to the motor of the fan or controller.
13. Do not insert anything into the fan blades whilst they are spinning. This will damage the blades and upset the balance of the fan causing the unit to wobble.
14. After the fan is completely installed make sure that all base and fan blade fixings are secured and tightened to prevent any problems.
15. Because of the fan's natural movement, some connections may loosen. Check the support connections, brackets and blade attachments twice a year to make sure they remain secured. If any are loose, tighten.
16. If unusual oscillating movement is observed, immediately stop using the ceiling fan and contact the manufacturer, its service agent or suitably qualified persons.

17. The replacement of parts of the safety suspension system device shall be performed by the manufacturer, its service agent or suitably qualified persons.
18. If it is necessary to replace the live or neutral brushes to ensure operation of the motor, then both brushes and the earth brush shall be replaced at the same time. The brushes shall only be replaced by a suitably qualified person.
19. An all-pole disconnection incorporated in the fixed wiring is to be provided, such as an all-pole switch or a supply cord fitted with a plug.
20. The remote/receiver included is intended to be used with this fan and associated light component ONLY and is not compatible with any other lighting and/or any other electrical device. Use of it in any way other than intended may result in damage to the fan, receiver and/or other devices and as such, will void warranty.
21. The LED light panel in the light kit (light models) is user replaceable as it connects with 'Push Plug' wiring. **It is user replaceable ONLY with Fanco certified replacement LED panels**. Using unauthorised parts may damage the fan, cause undesired results, or be a safety hazard.
22. The max operating temperature for the fan is 40°C. Keep the fan away from any heat sources, like a fireplace, heater and stove.
23. Reasonable 'wear and tear' is not covered under warranty. For comprehensive warranty terms & conditions visit fanco.com.au

IMPORTANT NOTE:
The important safeguards and instructions given 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 any product.

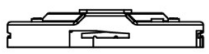
CAUTION:

- **DO NOT** ingest battery - Chemical burn hazard
- The remote supplied with this product contains 2xAAA batteries. If the battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death
- Keep the new and used batteries away from children. Examine devices regularly, and ensure the battery compartment is secure
  - If the battery compartment does not close securely, stop using the product and keep it away from children
- If you think the batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention
  - Call the Poisons Information Centre on **13 11 26** or go to a hospital emergency room
  - **DO NOT** let the child eat or drink or induce vomiting. Dispose of used button batteries immediately
- The batteries supplied with this product is not to be recharged
- Different types or new and used batteries are not to be mixed
- Battery to be inserted with the correct polarity; '+' for positive, '-' for negative
- Exhausted batteries are to be removed from the appliance and safely disposed of
- If the appliance is to be stored unused for a long period, the batteries should be removed
- Dispose of used button batteries immediately
- Flat batteries can still be dangerous. The supply terminals are not to be short-circuited

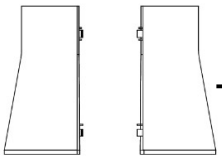
FAULT FINDER:
Always check the "Trouble Shooting Checklist" included in this manual before seeking a warranty claim.
A mechanical noise may be noticed on installation. Allow at least 8 hours settling-in period.
Some fans may wobble more than others, even if they are identical. This does not necessarily indicate a fault.

PREPARATION:

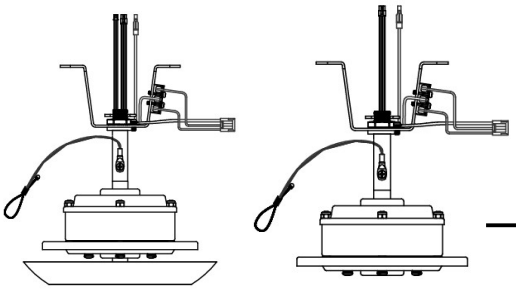
1. Unpack your ceiling fan carefully, then remove all parts and components, and lay on a cloth or soft surface to avoid damage.
   DO NOT lay the motor housing on its side as the housing may get damaged.
2. Before commencing installation, check that all parts are included.
   NOTE: You may need to remove all packaging material to ensure there are no missing parts.



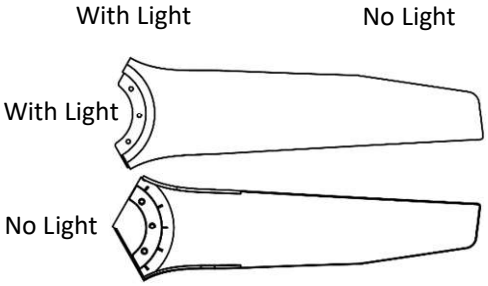
Mounting Plate



2 x Housing

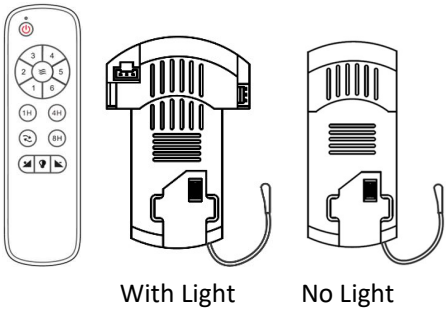


Motor Assembly
1 x Mounting Bracket
1 x Motor
1 x LED Panel (with light models only)

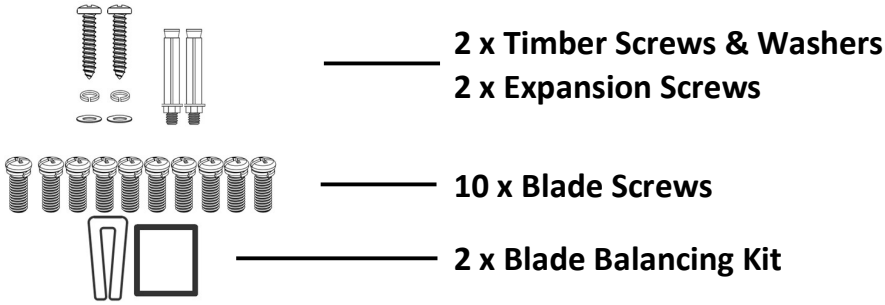


3 x Blade

Light Diffuser (With Light Models Only)



Remote & Receiver Pack



INSTALLATION AND ASSEMBLY:
CAUTION! Before installing the fan make sure you have turned **OFF** the electricity supply.

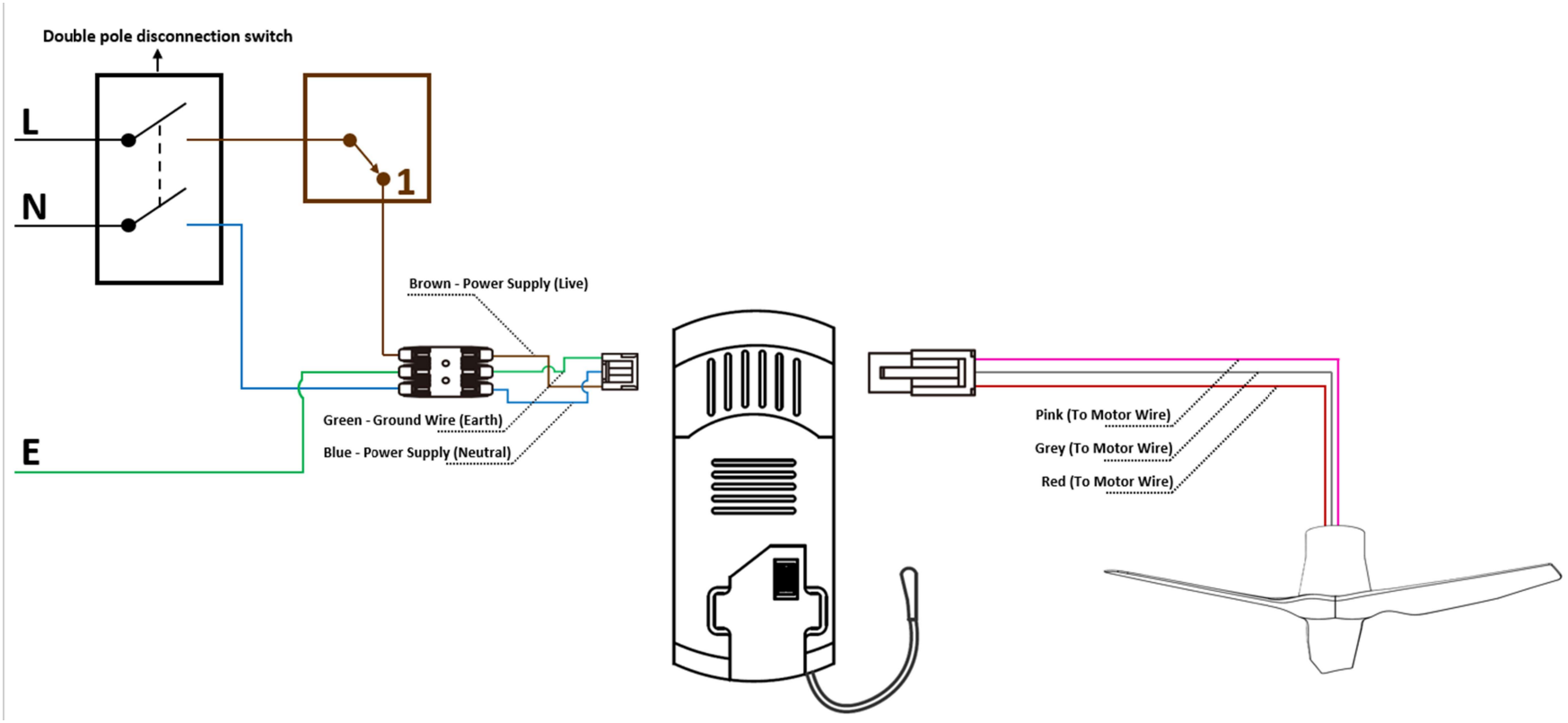
SELECTING A LOCATION:

1. Choose a location for mounting the fan where the blades will have at least 2.1 metres of clearance from the floor.
2. Make sure that the installation site will not allow the rotating fan blades to come into contact with any object and that there is enough space from the blade tip to the wall or ceiling. Please note that insufficient clearance distances might cause wobbling and the bigger this clearance is the better the airflow from your fan will be.
3. Secure the hanging bracket to the ceiling joist or suitable structure that is capable of carrying a load of at least 45kg, with the two long fixing screws provided. Ensure that at least 30mm of the screw is threaded into the support.
   NOTE: The fixing screws included are designed for use when ceiling fan is secured onto timber joists. For all other surfaces, additional and suitable fixing screws for that surface will need to be purchased.
4. This product can be installed in a position where it is covered and enclosed by 3 walls ideally (including alfresco areas) and there is a minimum clearance of 1.5m from the blade tip to all edges of the roof or unprotected points or positions which could be exposed to water, moisture or other dangerous external elements (including excessive wind, direct heat and hail). Damage or mechanical failure due to exposure to these elements are not covered by warranty as it would not be deemed a product fault.
5. Wear and tear, including exposure from the elements, is not covered under warranty.
6. Vigorous cleaning or rough handling of the fan may cause threaded components to work loose or the blades to become unbalanced which may cause the fan to wobble or may result in additional noise over time. It is normal for a fan to develop minor noise over time dependent on its level of use and maintenance provided. These issues can be reduced through slight internal adjustments by your electrician. **THEY ARE NOT COVERED UNDER WARRANTY**. However, proper care and maintenance of the fan can reduce or prevent issues.

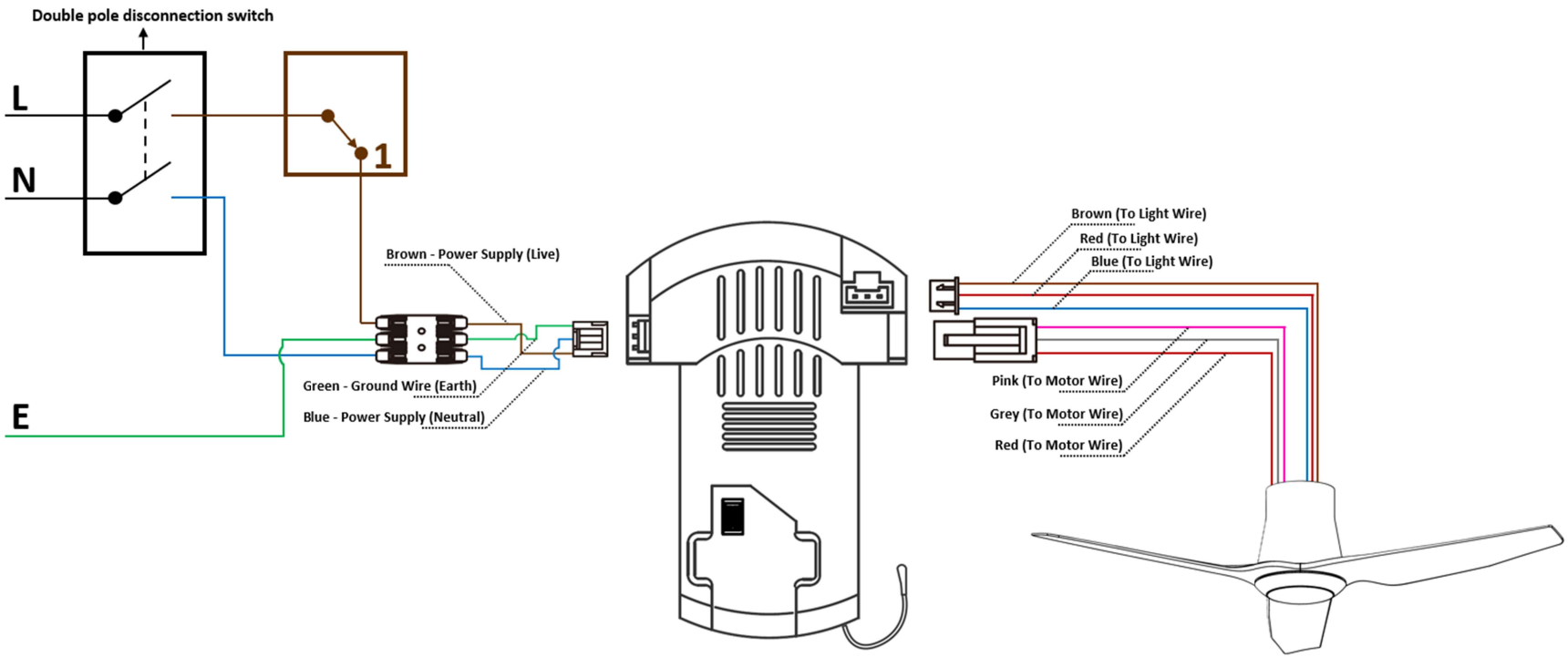
ELECTRICAL CONNNECTIONS - FOR SMART/REMOTE MODELS

Ensure the power if **OFF** when installing this fan.

WIRING DIAGRAM - NO LIGHT



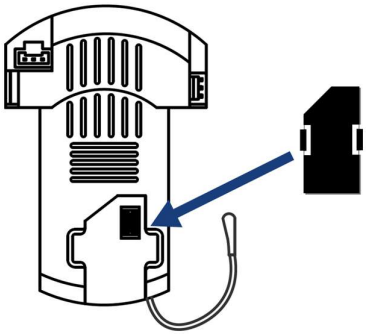
WIRING DIAGRAM - LED LIGHT



SMART MODULE

If the SMART Module was purchased as an additional accessory, it will need to be installed into the receiver prior to the fan's installation.

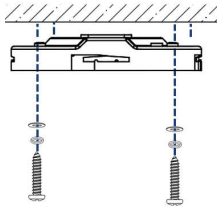
1. Take the SMART Module out of its packaging.
2. Insert the SMART Module into the receiver and press until it clicks into place.



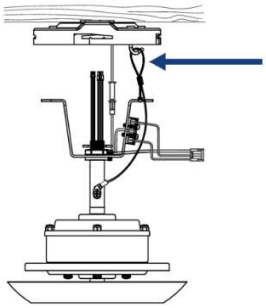
INSTALLATION STEPS:

IMPORTANT: Ensure the power is **OFF** when installing this fan.

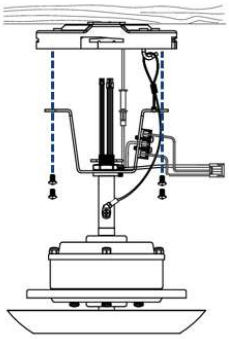
1. Installing the Mounting Plate to the ceiling.
   NOTE: Ensure you use the correct screws for your installation.



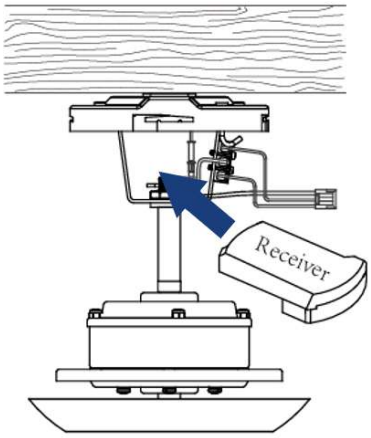
2. Hanging the safety cable on to the hook of mounting plate.



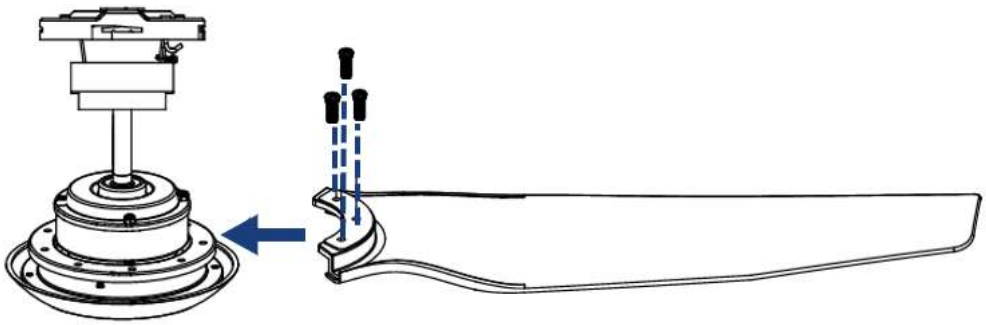
3. Please remove the four screws pre-installed on the mounting plate, then install the motor assembly onto the mounting plate.



4. Place receiver in the mounting bracket and follow the wire diagram to connect wires and connectors. Ensure cables are neat and tidy. Connect power, receiver and the fan as per electrical wiring diagram.
   CAUTION: Avoid pressing or bending the receiver's antenna during installation. Damage to the antenna can result in weak signal communication between the remote and receiver, or may cause a short circuit
   IMPORTANT: The fan must be earthed! Double pole disconnection switch and wall switch must be connected.



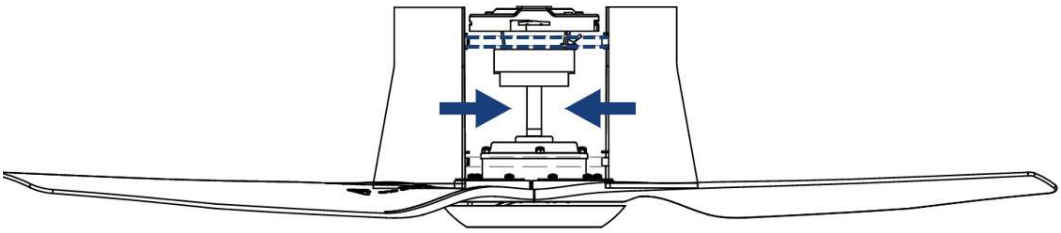
5. Install the fan blade. Place the blade into the blade holder ring on the motor, install and loosely tighten 3 blade screws and washers.
   IMPORTANT: Do not tighten the screws at this point.



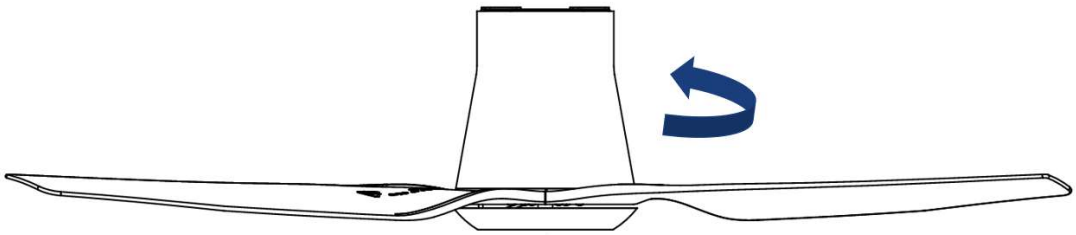
6. Once all blades have been installed, firmly tighten all screws.

7. Install the hugger housing. Place both housing onto the blades from the top (from the highest point between the blades and ceiling).

8. Align the four inner protrusions on the housing with the matching slots on the mounting plate. Then press both the housings together until the clips engage.

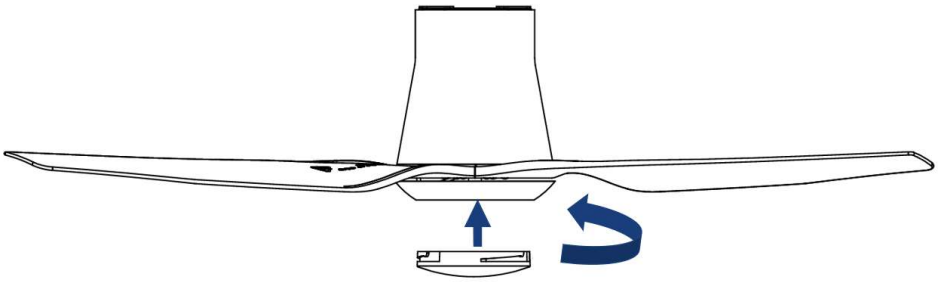


9. Rotate the housing slightly to lock them firmly onto mounting plate



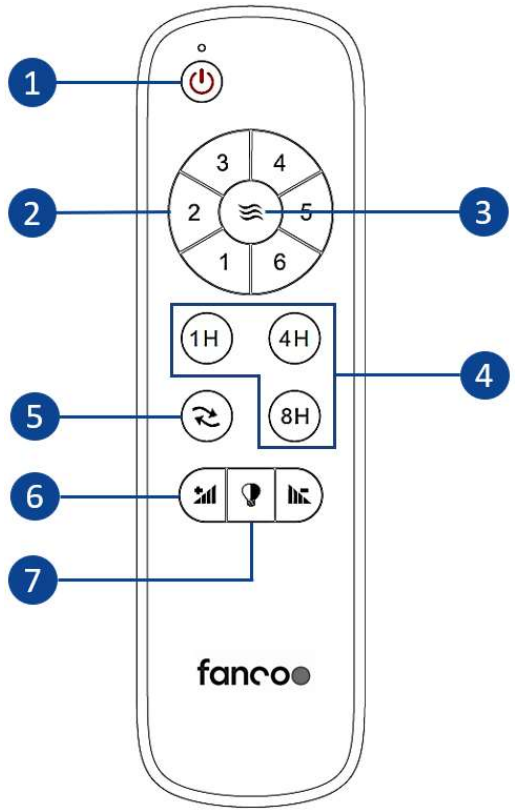
WITH LIGHT MODELS

Install the Lamp shade (with Light Models).



REMOTE CONTROL SETTINGS AND OPERATION FOR DC FANS

FUNCTIONS OF THE REMOTE CONTROL:



1. **Fan OFF**
2. **Fan ON & Fan Speeds**
   1 = Low
   6 = High
3. **Natural Wind Mode**
   Cycles between speeds 1, 2, 3, 4, 5 & 6 to simulate natural air movement
4. **Timer**
   1 Hour, 4 Hours or 8 Hours
   Wi-Fi
   Press and hold the 8H for 3 seconds until indicator light flashes 3 times on the remote
5. **Forward/Reverse Mode (Winter/Summer)**
   Press once to change:
   Forward (anti-clockwise) = Summer
   Reverse (clockwise) = Winter
6. **Light Dimming**
   + Dimmer Up
   - Dimmer Down
7. **Light ON/OFF & CCT (Colour Changing Technology)**
   Press for Light ON/OFF
   Press and Hold for 3 seconds to cycle through the CCT colours. Repeat until you have the desired colour

SMART MODULE PAIRING

Only available If you have installed the SMART module accessory

Once the fan is installed, view the SMART Module pairing guide by scanning the QR Code below.

Or visit
https://fanco.com.au/wp-content/uploads/manuals/fanco-smart-ceiling-fan-manual.pdf

REVERSE FUNCTION:
The "Summer/Winter" reverse function is included in the remote control to make the fan rotate in an anticlockwise direction during summer. In winter, this can be reversed, so that the blades now move in a clockwise direction. Press the "Forward/Reverse Mode" button once (x1) whilst the fan is in operation, to switch between "Summer" and "Winter" modes.

The Hand-Held Remote-Control System is equipped with a learning frequency function which has code combinations to prevent potential interference from other remote units. The frequency on your Receiver and Transmitter units has been pre-set at the factory. If the remotes need programming, please following the below instructions.

PAIRING THE REMOTE:
All Infinity-iD Profile DC fans are pre-paired and there is no pairing process needed to start the fan.
If you want to reset the fan to factory setting. Please follow steps below.

1. Using the wall (isolation) switch, turn the fan power OFF for 10 seconds.
2. Using the wall (isolation) switch, turn the fan power back ON.
3. Within 30 seconds after turning on the power, press and hold "OFF" ⏻ button for 5 to 10 seconds. If you hear a long beep from the receiver, the fan has been successfully paired to the remote.
4. Now test the remote by pressing on speeds or light button (for light models).
5. It can take up to 10 seconds for the fan to start moving after pressing a speed button. The fan may move a few times slightly backwards and forwards and then will start rotating slowly whilst building up to the correct speed. This is normal behaviour for DC fans.

CONSIDERATIONS:

1. If the receiver is not receiving a signal from the remote control:
    a. Check the battery to ensure it has sufficient power, has been inserted correctly and aligns with the positive and negative terminals.
    b. Check if there are any other similarly remote-controlled objects that work nearby, as remote-controlled items operating on the same frequency may disturb each other.
2. If the battery is low, it will affect the sensitivity of the remote control and the signal reception and must be replaced.
3. Please remove the battery if the remote control is not being used for a long time.
4. If multiple fans are installed near the fan to be paired, power to the other fans should be turned off before pairing.

TO MUTE OR UNMUTE THE BEEP ON THE FAN:

1. Press and hold the '1H' button for 3 seconds.
2. When you see the indicator light on the remote flash 3 times, the beeping will be ON (if OFF) or OFF (if ON).

INSTALLING MULTIPLE FANS:
Sometimes you may encounter a remote-control issue when installing multiple fans. For the purposes of this troubleshooting guide: Fan A uses Remote control A and Receiver A, while Fan B uses Remote control B and Receiver B.

- Isolate power to one fan only when pairing the remotes.
- When installing two or more fans, you should manually isolate power to Fan B while completing the pairing process on Fan A.
- If power is not isolated to one of the fans when the power is restored at the fuse box, then both receivers will be put into "learning mode" such that when you try to pair Remote control A to Receiver A, Receiver B will also be in learning mode and might pair to Remote control A also.

CEILING FAN MAINTENANCE

CARE & CLEANING:

- Periodic cleaning (approximately every 6 months) of your ceiling fan is the only maintenance required.
- Use a soft brush or lint free cloth to avoid scratching the finish. Please turn off electricity when you do so.
- Do not use water when cleaning your ceiling fan. It could damage the motor or the blades and create the possibility of an electrical shock.
- The motor has a permanently lubricated ball bearing and as such, is maintenance free.

NOISE:
The manufacturer warranty covers actual faults that may develop, but NOT minor complaints, e.g. motor operation noise - **ALL ELECTRIC MOTORS ARE AUDIBLE TO SOME EXTENT**; this is more obvious when the fan is operating at low speeds.

WOBBLE:

- Ceiling fans are designed to move during operation because they are not generally rigidly mounted
- Movement of a couple of centimetres is acceptable for safe operation.
- Balancing kits included should be used to adjust the balancing when first installed.

NORMAL WEAR AND TEAR:
Vigorous cleaning or rough handling of the fan may cause threaded components to work loose or blade carriers to bend. This may cause the fan to wobble or may result in additional noise over time. THIS IS NOT COVERED UNDER WARRANTY; however, proper care and maintenance of the fan can reduce or prevent this problem.

TROUBLESHOOTING:

Trouble	Possible Cause	Suggested Remedy
Fan does not start after pairing process.	Remote and receiver are not paired successfully	Re-pair the receiver and remote
	Battery flat in remote control	Replace the battery in remote control
	Loose wire connections or plugs to fan/receiver	Check wire connections and ensure plugs are positively connected
	No power goes into the fan	Check RCD/Switch board and wiring on premises
Fan keeps beeping but will not start.	Loose wire connections or plugs to fan/receiver	Check wire connections and ensure plugs are positively connected

Fan wobbles.	Screws on down rod are not tightened Blades are not balanced	Retighten the screws on down rod Use the balancing kit to balance the blades.
Fan makes clicking sound.	Coupling cover does not sit securely on motor housing Rubber ring on coupling cover is removed	Adjust coupling cover and ensure it sits properly on the motor housing Check couple cover and ensure there's a rubber ring on the top of the cover.

Model Number	Rated Voltage	Motor Consumption	Rated Light Power
F8110/121A	220-240Vac	Max. 40 W DC Motor	N/A
F8110/101A	220-240Vac	Max. 40 W DC Motor	N/A
F8111/121A	220-240Vac	Max. 40 W DC Motor	20W LED
F8111/101A	220-240Vac	Max. 40 W DC Motor	20W LED
F8120/121A	220-240Vac	Max. 40 W DC Motor	N/A
F8120/101A	220-240Vac	Max. 40 W DC Motor	N/A
F8121/121A	220-240Vac	Max. 40 W DC Motor	20W LED
F8121/101A	220-240Vac	Max. 40 W DC Motor	20W LED
F8140/101A	220-240Vac	Max. 40 W DC Motor	N/A
F8141/101A	220-240Vac	Max. 40 W DC Motor	20W LED

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