



**LUCCI
AIRFUSION FRASER
DC CEILING FAN**

- **INSTALLATION**
- **OPERATION**
- **MAINTENANCE**
- **WARRANTY INFORMATION**

CAUTION
READ INSTRUCTIONS CAREFULLY FOR SAFE
INSTALLATION AND FAN OPERATION.

CONGRATULATIONS ON YOUR PURCHASE

Thank you for purchasing the latest in energy saving ceiling fans. This fan runs on DC (direct current) power which gives it the benefit of being super energy efficient whilst still maintaining high volume air-movement and silent operation.

Energy Saving - The DC motor is the latest technology in fan design. Its highly efficient motor saves up to 65% more energy than ceiling fans with traditional AC motors.

Silent operation – this DC fan motor is programmed with a stabilized current which efficiently reduces motor noise.

Low operating temperature – The DC power is managed effectively which brings down the motor operating temperature to less than 50deg. This results in a much cooler motor than a standard AC fan and increases the longevity of the motor.

6 speed remote control, regular AC ceiling fans usually come with only 3 speeds, this DC fan comes complete with a 6 speed remote, which gives greater choice of comfort levels.


SAFETY PRECAUTIONS

- 1) In Europe: This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Cleaning and maintenance shall not be undertaken by children without supervision.
- 2) In Australia: This appliance is not intended for use by young children or infirm persons unless they are adequately supervised by a responsible person to ensure that they can use the appliance safely.
- 3) Children should be supervised to ensure that they do not play with the appliance.
- 4) An all-pole disconnection switch must be incorporated into the fixed wiring, in accordance with local wiring rules.

AN ISOLATION SWITCH MUST BE INSTALLED WITH THIS FAN.

This is in accordance with the latest Standard AS/NZS 3000.
Please note warranty will be void if installed without an isolation switch.



- 5)  Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- 6) The structure to which the fan is to be mounted must be capable of supporting a weight of 30kg.
- 7) The fan should be mounted so that the blades are at least **2.3** metres above the floor In Europe.
- 8) The fan should be mounted so that the blades are at least **2.1** metres above the floor In Australia.
- 9) This fan is suitable for indoor use only.
- 10) Only an authorized electrician should execute the installation.



BEFORE INSTALLATION

Unpack your fan and check contents. You should have the following:

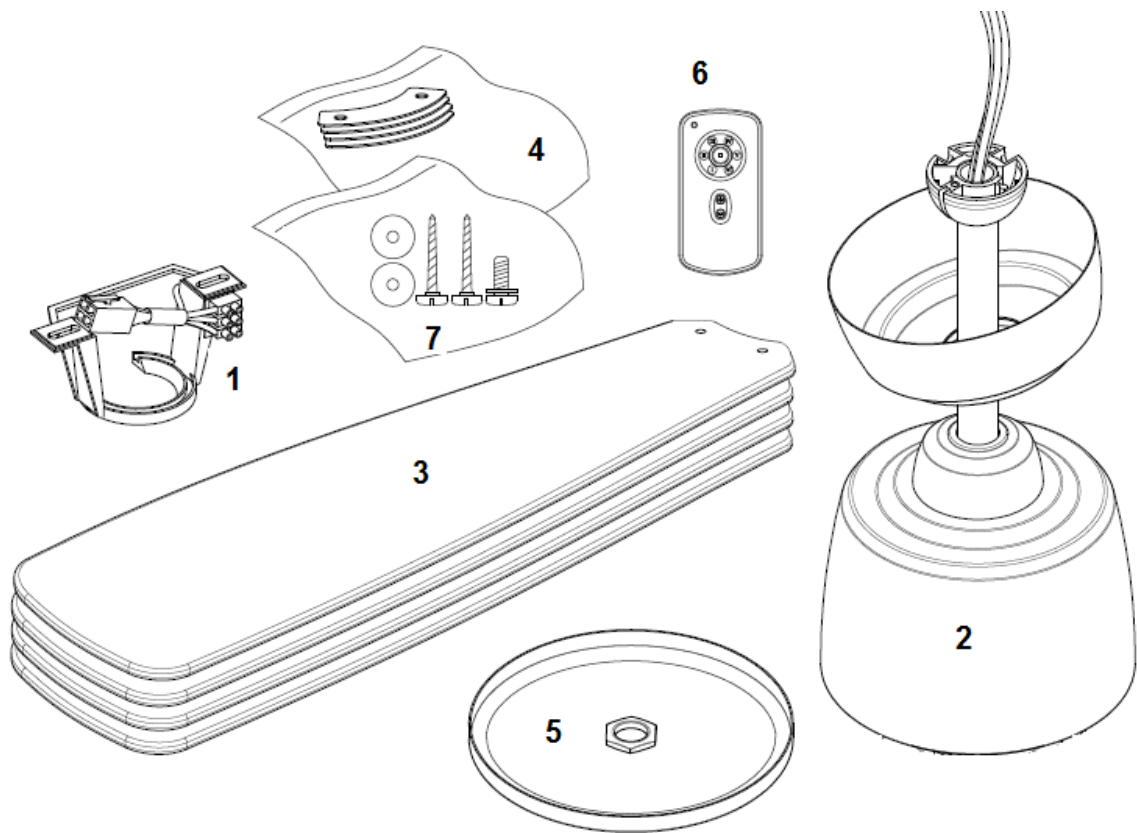


Fig. 1

- | | | | |
|---|---|----|--|
| 1 | Mounting bracket x 1 | 7 | Extra motor screws x 1 |
| 2 | Fan assembly with hanger cover, down rod, canopy cover and canopy x 1 | 8 | Wooden screws with flat washer x 2 |
| 3 | Blades x 4 | 9 | Balancing kit x 1 set (not shown) |
| 4 | Blade bracket kit x 4 | 10 | Screws for remote holder x 2 (not shown) |
| 5 | Bottom cover x 1 | 11 | 12V Battery for remote x 1 (not shown) |
| 6 | Remote transmitter with holder x 1 set | | |



INSTALLING THE FAN

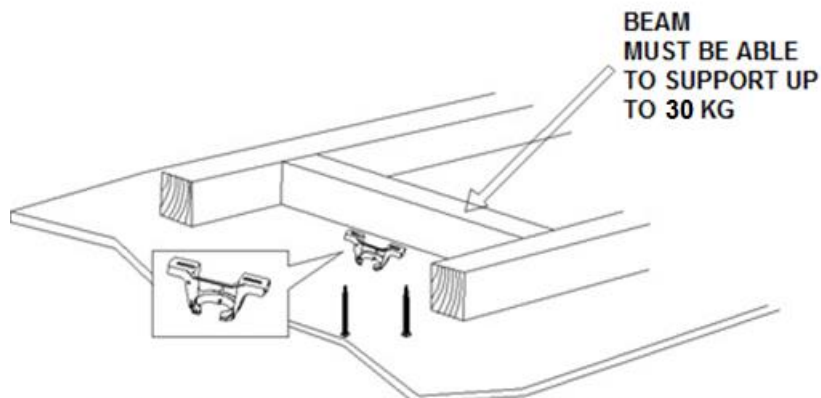
TOOLS REQUIRED:

- Phillips / flat head screwdriver
- Pair of pliers
- Adjustable spanner
- Step ladder
- Wire cutter
- Wiring, supply cable as required by local provincial and national wiring codes and regulations.

INSTALLING THE MOUNTING BRACKET

The ceiling fan must be installed in a location so that the blades are 300mm spacing from the tip of the blade to the nearest objects or walls.

Secure the hanging bracket to the ceiling joist or structure that is capable of carrying a load of at least 30kg, with two long screws provided. Ensure at least 30mm of the screw is threaded into the support.



NOTE: THIS PICTURE IS FOR REPRESENTATION ONLY AND DOES NOT REPRESENT THE ACTUAL BRACKET.

Fig. 2

NOTE: The bracket screws provided are for use with wooden structures only. For structures other than wood, the appropriate screw type MUST be used.

ANGLED CEILING INSTALLATION

This fan hanging system supports a maximum 20 degree angled ceiling installation.

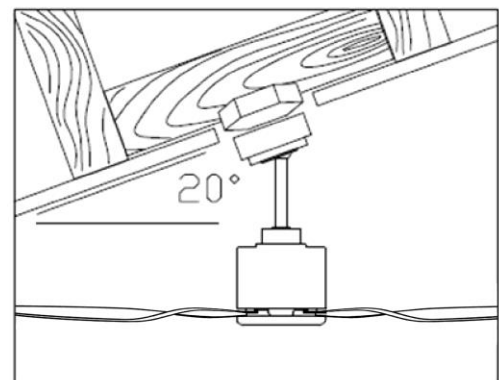


Fig. 3



HANGING THE FAN MOTOR ASSEMBLY

- Lift the fan assembly onto mounting bracket. Fig. 4
- Ensure the notch of the ball joint is positioned on the stopper of the mounting bracket to prevent the fan from rotating when in operation. Fig. 5

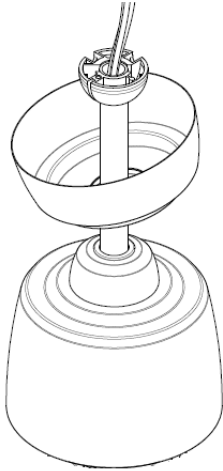


Fig. 4

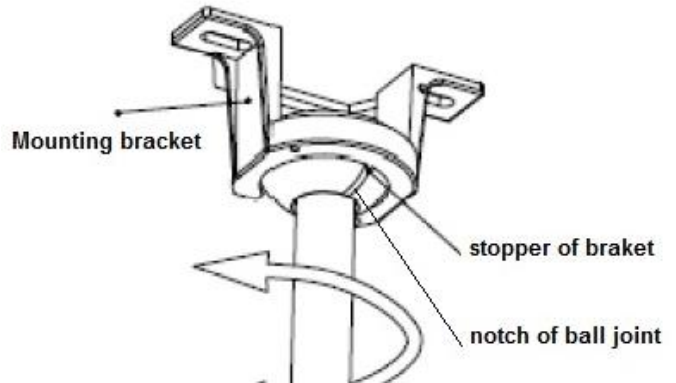


Fig. 5

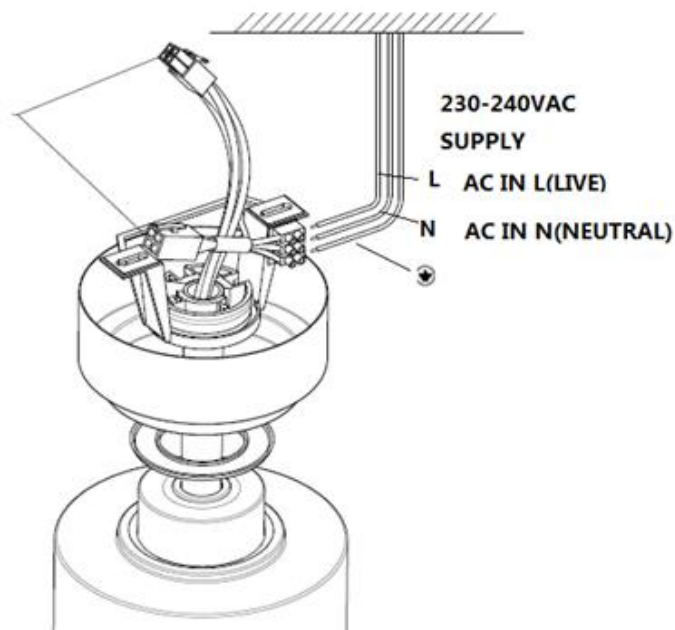
PREPARE AND COMPLETE THE ELECTRICAL WIRING --- WIRING DIAGRAM (FIG. 6)

WARNING: FOR YOUR SAFETY ALL ELECTRICAL CONNECTIONS MUST BE UNDERTAKEN BY A LICENSED ELECTRICIAN.

NOTE: AN ADDITIONAL ALL POLE DISCONNECTION SWITCH MUST BE INCLUDED IN THE FIXED WIRING.

NOTE: IF THERE ARE TWO OR MORE DC CEILING FANS INSTALLED IN THE ONE LOCATION, AN ISOLATION SWITCH IS REQUIRED FOR EACH CEILING FAN. THIS IS REQUIRED WHEN PROGRAMMING THE REMOTE AND RECEIVER TO PAIR TOGETHER.

Fig. 6



Airfusion Fraser Installation Instructions

INSTALLING THE CANOPY COVER

- Loosen 2 screws from the bottom of the mounting bracket.
- Slide the canopy up to the mounting bracket and place the key hole on the canopy over the screw on the mounting bracket, turn the canopy until it locks in place at the narrow section of the key holes and secure it by tightening the two set screws. Avoid damaging the electrical wiring prepared previously.
- Attach the canopy cover to the canopy and secure it by pushing the lugs into the holes.

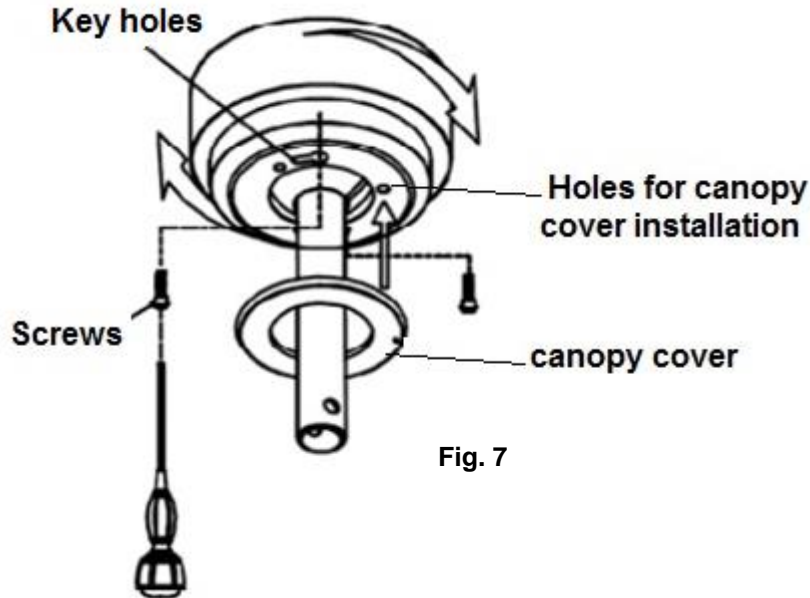


Fig. 7

BLADE INSTALLATION

- Insert the blade screws (4) through the blade assembly in the following order, bracket kit (3) and blade (2). Attach the blade assembly to the motor (1) and secure it by tightening the 2 screws (4). Fig. 8.
- Repeat to install the other blades.
- Finally install the bottom cover to the shaft of the motor by rotating it clockwise. Fig.9.

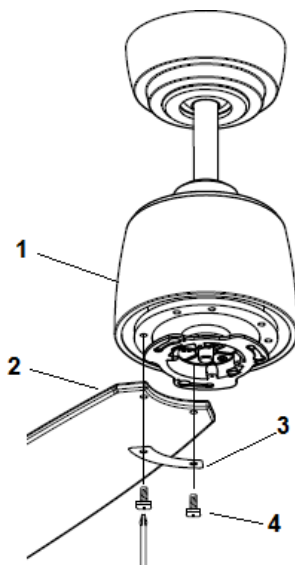


Fig. 8

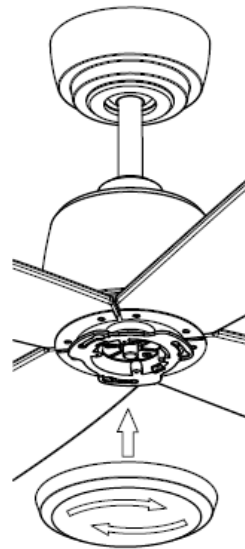


Fig. 9



USING YOUR CEILING FAN

Pairing Transmitter and Receiver – When 2 or more DC ceiling fans are installed in one location

When two or more fans are located near each other, you may want to have the receiver/transmitter for each fan set to a different code, so that the operation of one fan does not affect the operation of the other fans.

The DIP switches for the transmitter (remote hand piece) are located in the battery compartment of the transmitter. Configuring the DIP switches will allow a unique transmission code assigned to each ceiling fan.

Note: Ensure that you have installed an all - pole disconnection switch in the fixed wiring for each fan, when using DIP code function.

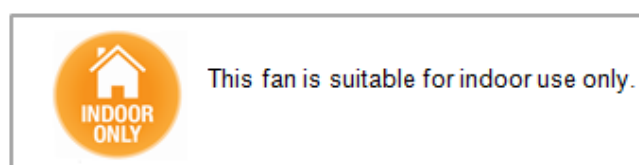
Note: Ensure power to the Receiver is **ON** prior to pairing the transmitter with the receiver.

Transmitter/Receiver pairing for ceiling fan 1:

- Turn off both ceiling fans 1 and 2 via the mains supply to the receiver.
- Slide the cover of the battery compartment of the transmitter to access the DIP switches. This will be transmitter 1.
- Change the position of the DIP switches in the remote transmitter 1, so that it will be different to transmitter 2. Fig. 8
- Install the 12VDC battery in the compartment. Please make sure the polarity of the battery is correct.
- Turn on the power to receiver 1. Keep the power OFF to receiver 2. (Each ceiling fan must have its own isolation switch so that only the ceiling fan that needs to be paired with the transmitter will be ON).
- Press and hold the SET button of **transmitter 1** for 6 seconds within 60 seconds of switching the power to the receiver of ceiling fan 1.
- Now the transmitter should be paired with the receiver of ceiling fan 1. Turn ON/OFF or change the speed of ceiling fan 1 by the transmitter to check the operation.

Setting DC Ceiling fan 2:

- Turn off both ceiling fans 1 and 2 via the mains supply to the receiver.
- Slide the cover of the battery compartment of the transmitter to access the DIP switches. This will be transmitter 2.
- Change the position of the DIP switches in the remote transmitter 2, so that it will be different to transmitter 1. Fig. 8
- Install the 12VDC battery in the compartment. Please make sure the polarity of the battery is correct.
- Turn on the power to receiver 2. Keep the power OFF to receiver 1. (Each ceiling fan must have its own isolation switch, so that only the ceiling fan that needs to be paired with the transmitter will be ON).
- Press and hold the SET button of **transmitter 2** for 6 seconds within 60 seconds of switching the power to the receiver of ceiling fan 2.
- Now the transmitter should be paired with the receiver of ceiling fan 2. Turn ON/OFF or change the speed of the ceiling fan 2 by the transmitter to check operation.



Airfusion Fraser Installation Instructions

Note: The pairing of Transmitter and Receiver is not required if only one ceiling fan is installed. When more than two ceiling fans are installed near each other, please refer to the instructions above.

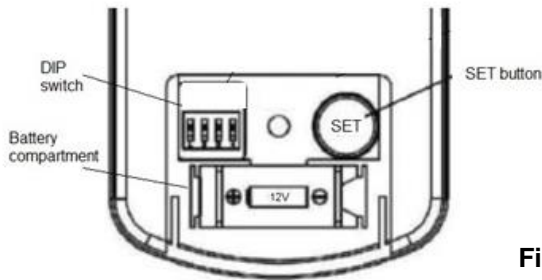
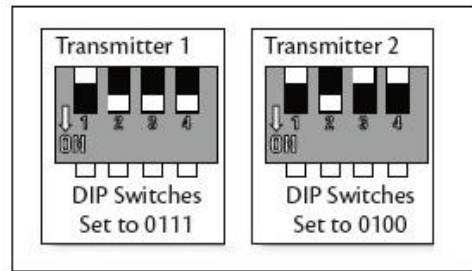


Fig. 10



Remote Control Buttons

① - FAN SPEED CONTROL BUTTON:

There are 6 available speeds. ① button is for the lowest speed, and

⑥ button is for the fastest speed.

NOTE: WHEN YOU TURN ON THE FAN FOR THE FIRST TIME OR SWITCH THE MAIN POWER TO THE CONTROLLER, YOU NEED TO START THE FAN ON HIGH “⑥” SPEED FIRST AND THEN CHOOSE A LOWER SPEED.

5-10 SECONDS IS REQUIRED TO ALLOW THE DC FAN TO RESPOND TO THE REMOTE EACH SPEED OR FAN DIRECTION SELECTIONS, AS DC FANS INCORPORATE A SENSOR CONTROL WHICH CONTROLS THE POWER TO THE MOTOR.

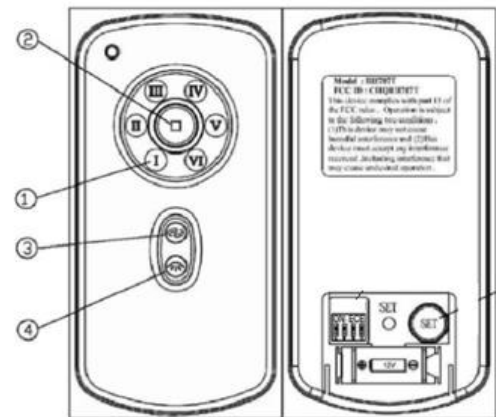


Fig. 11

② - FAN OFF BUTTON:

Press the button to turn the fan off.

③ - REVERSE FUNCTION BUTTON:

Press the button to activate the reverse running function. The fan must be operating to activate the reverse function.

④ - LIGHT CONTROL BUTTON:

Press the button to turn on/off the light.

THE RECEIVER PROVIDES THE FOLLOWING LEVEL OF PROTECTION AGAINST.

- Lock position: the receiver has a built-in safety feature to protect against obstruction during operation. The motor will be locked from operation and will disconnect from power after 30 seconds of interruption. Please remove obstacles before re-starting. To reset, simply turn off the power supply to the fan motor and re-start.
- Over 80W protection: When the receiver detects power consumption which is greater than 80W, the receiver power will be stopped and operation will immediately discontinue. Turn the receiver power on after 5 seconds to restart the fan.

REPAIRING THE FAN RECEIVER & REMOTE PAIRING

Should the remote and receiver lose control after installation or during use, the pairing of the remote and the receiver must be repaired. Below are the operating symptoms and method to repair the pairing of the DC ceiling fan remote and receiver.

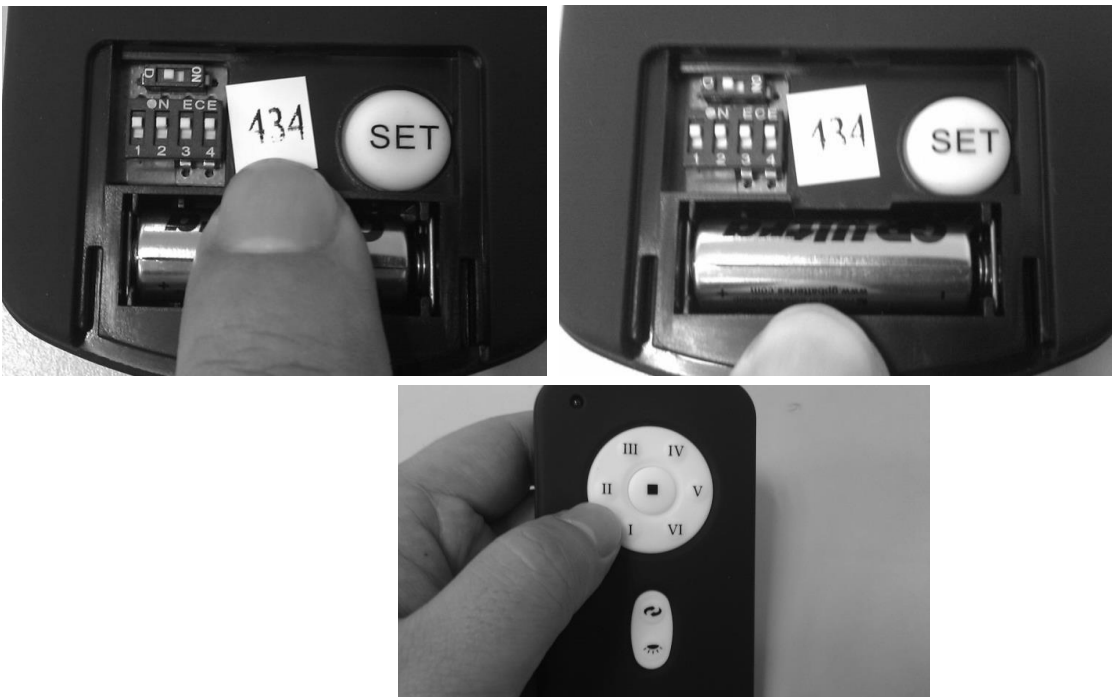
Issues:

- Loss of control - Fan is only running at high speed after installation
- Loss of control - No reverse function after installation
- Loss of control - Remote cannot communicate with the receiver

Solution:

If the fan runs at the highest speed continuously, it means the wiring of the installation is correct. When the fan operates on high speed only, or fails to operate in reverse function or any other command/s, it is recommended to repair the communication pairing of the remote and receiver. Please follow the steps below:

- A. Remove the battery cover on the remote. Check the 434 MHz sticker area, making sure the battery is installed correctly and the red LED light indicator will be flashing. This means the remote function is okay.



- B. Turn off the main supply to the receiver for more than 30 seconds and turn on the main supply to receiver again. Press and hold the SET button on the remote for 6 seconds within 60 seconds of turning the power on to the receiver.





- C. Press the buttons on the remote to run the fan. In general, performing point A, B, and C should repair the remote and receiver and will allow full control of the fan. If not, please do the next step.
- D. The DIP switches on the fans are set up at the factory. The DIP switch can be changed to any location in 16 options. (Eg. up-up-down-down).



- E. Please repeat the (A)-(C) steps to check the function.

If the issues still persist after following points (A) to (D) and there is still no control, please contact the local retailer for a new remote or transmitter.

Note: For your safety, a new receiver must be installed by a licensed electrician.

Note: While repairing the DC ceiling fan remote and receiver is in process, the fan operates at highest speed with REVERSE mode automatically for 90 seconds and then operates with FORWARD mode for 90 seconds. During the pairing process, do not press any key on the remote.



BALANCING/WOBBLYING TROUBLE SHOOTING

Please note that not all ceiling fans are the same, even in the same model—some may move more or less than others. Movement of a couple of centimetres is quite acceptable and does not suggest that the fan will fall down.

Even though all blades are weighted and grouped by weight, it is impossible to eliminate wobble altogether. This should not be considered a fault. Ceiling fans tend to move during operation due to the fact that they are not generally rigidly mounted.

You may take the following action to reduce the wobbling:

- 1) Check all the blade mounting screws are tightened and secure.
- 2) Wobbling problems may result from inconsistent blade levels. To check blade levels, measure the distance from each blade tip to the ceiling.

Note: If measurements are inconsistent:

- Check that the blade mount screws are not over tightened or loose, which can cause the blade tip to not sit level;
 - An out of shape blade can cause wobbling, check by removing the blade and lay it on a flat surface. A good flat blade will lay flat on the surface.
- 3) Blade tracking may be checked simply by use of a household ruler as shown in the below figure. Place the ruler vertically against the ceiling and even with the outside leading edge of a blade. Note the distance of the edge of a blade is the same as the others. Turn the blade slowly by hand to check the remaining blades. If a blade is not in alignment, the blade is either out of shape/warped or the blade screws are not evenly tightened or loose.

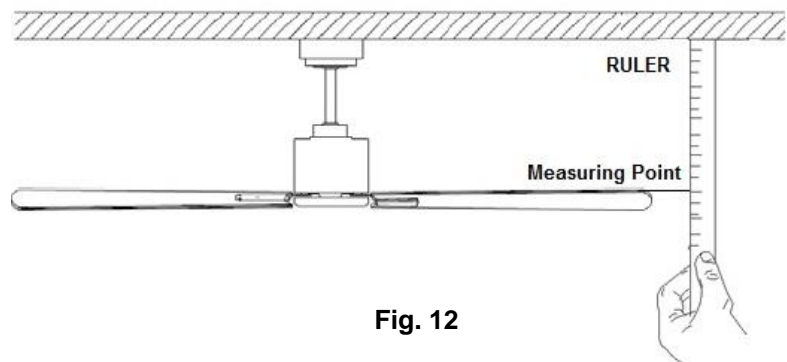


Fig. 12

BALANCING KIT

1. A balancing kit is provided to balance the ceiling fan on initial installation. Please refer to the instruction on how to use the balancing kit that is included.
2. The balancing kit can be used to assist re-balancing if the ceiling fan becomes un-balanced overtime. Do not discard the balancing kit, retain for future use.

FAN CARE AND WARRANTY INFORMATION

- Periodic cleaning of your ceiling fan is the only maintenance required. Use a soft brush or lint free cloth to avoid scratching the paint/plated finish. Please make sure the fan is not operating when cleaning.
- 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.

WARRANTY SERVICE

The manufacturer's warranty covers actual faults that may develop, but NOT minor complaints, e.g. noise from the motor running—ALL ELECTRIC MOTORS ARE AUDIBLE TO SOME EXTENT.

IN AUSTRALIA/NEW ZEALAND – Please refer to the separated WARRANTY STATEMENT.

IN EUROPE – Please contact the retail outlet where the fan was purchased for warranty service.

WOBBLE

- Ceiling fans tend to move during operation due to the fact that they are not generally rigidly mounted—if they were, they could generate excessive ceiling vibration and stress on their mountings.
- Movement of a couple of centimetres is quite acceptable and does not suggest the fan will fall down.
- Ceiling fans are mounted very securely on steel brackets with rubber cushioning or with ball-joints to allow free movement.
- Please note that not all ceiling fans are the same, even in the same model—some may move more or less than others.

NORMAL WEAR AND TEAR

Threaded components working slightly loose or blade carriers even slightly bent due to vigorous cleaning or bumping can cause extra wobble and noise. **THIS IS NOT COVERED UNDER WARRANTY-** but a little care and maintenance can reduce or prevent this problem.

BUMP-IN-THE-NIGHT

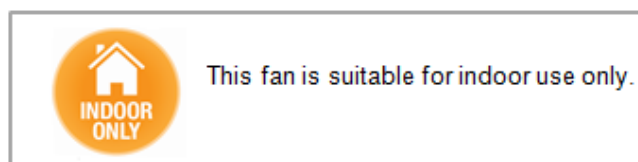
This is outside the manufacturer’s warranty. If a fan has a fault, it will be noticeable at all times. Naturally, when everything is quiet at night, you will be more inclined to hear small noises which may not be noticeable at other times. Even slight power fluctuations and mains frequency signals superimposed in your electricity supply may cause a change in fan motor noise, this is normal.

TROUBLE-SHOOTING CHECKLIST

Always check the “Trouble Shooting Checklist” included in this booklet before calling for service. Unnecessary calls are inconvenient for all and can attract a service charge.

For your safety, ensure the ceiling fan is OFF before carrying out any troubleshooting.

TROUBLE	PROBABLE CAUSES	SUGGESTED REMEDY
1. Fan will not start. (Warning: The ceiling fan must be switched OFF and the assistance of a licensed electrician may be required.)	A. Fuse or circuit breaker blown.	Check main and branch circuit fuses or circuit breakers.
	B. Loose power connections to the fan. (Normally occur’s during installation.)	Check power connection to the fan. This must be performed by a licensed electrician.
	C. No response from the remote transmitter.	- Battery is low. Replace batteries. - Check if correct remote transmitter is paired with the receiver.
	D. Switch the fan ON via the mains switch.	Check if there is power to the fan.
2. Fan wobbles. (Refer to the Wobble section in this manual for further information.)	A. Fan blades are not horizontal to the ceiling.	Refer to “wobble” section in this manual. <ul style="list-style-type: none"> - The blade may require adjustment at the blade mounting screws. - The blade is out of shape, thus causing wobbling. A new blade set will be required to be replaced. Contact retailer for further



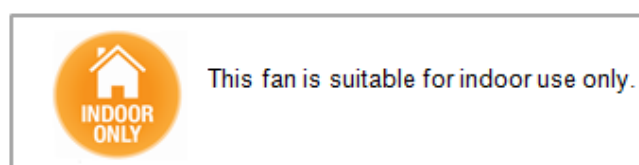
		details.
	B. Blade screws are loose.	Make sure all screws are securely fastened.
	C. Blade/s are out of shape.	Remove the blades and lay on a flat surface to check if they are out of shape. Contact retailer for further details.
3. Fan sounds noisy.	A. Top canopy is touching the ceiling.	Lower canopy from ceiling to ensure a minimum 3mm clearance.
	B. Loose fan blade screws.	Re-tighten all screws on the fan blades but never over-tighten.
	C. Ceiling fan not secured against the ceiling.	Re-tighten all screws in the hanging bracket or plate.
	D. Incorrect speed controller.	Change the controller to the one supplied. (Must be performed by a licensed electrician.)
4. Mechanical noise.	A. Allow at least for 8 hours settling-in period.	

NOTES TO INSTALLERS

- Some fans wobble more than others—even in the same model.
- Fan lights can rattle but are not covered under warranty.
- Fan wall controllers make a slight buzzing noise and get warm especially on a lower setting. These occurrences are not covered by the manufacturer’s warranty.

TECHNICAL INFORMATION

AIRFUSION FRASER SERIES DC FAN models	Rated Voltage	Rated power (motor)	Battery for remote
FRASER 52" FAN	220-240VAC	35W	1 x 12V 23AE



WARRANTY CONDITIONS

IN AUSTRALIA / NEW ZEALAND – Please refer to the separated WARRANTY STATEMENT.

IN EUROPE – If you are a European customer please contact the retail outlet where the fan was purchased for a warranty service.

This product is guaranteed against electrical defects in material or manufacturing workmanship for faults when under normal domestic/residential conditions for a certain period of time from the date of purchase. This warranty covers parts and labour costs for the motor subject to the following conditions:

1. Installation being performed by a qualified licensed electrician.

This warranty will not apply if the ceiling fan is installed by anyone other than a licensed electrician. Problems arising from incorrect installation are not covered by warranty. The cost of repairs and/or service calls where the defect is due to the installation and not due to faulty material or workmanship, in accordance with wholesaler and their authorized agent, will be payable at time of repair.

2. The correct controller being fitted to the fan.

Only use the controller supplied with the fan or a genuine replacement. Using solid-state dimmer type or non-genuine controllers will void the warranty. Use of non-genuine controllers may cause the fan to operate with a loud hum and at altered speeds. Where controllers are supplied complete with light switch – do not use this switch to operate the fan. Fans connected using this switch to turn the fan on/off, will not be covered by warranty.

3. Repair work being carried out by a licensed electrician only after authorization by the wholesaler or their authorized agent to complete the repair and is subject to the supply of dated proof of purchase and installing electricians details.

4. The exclusion from warranty of any changes to ceiling fan blades or motor, plated and/or painted finishes due to climatic conditions (moisture, salt air etc.) or after 6 months from the date of purchase or other circumstances deemed to be beyond the control of wholesaler or their authorized agents.

5. The warranty service does not cover:

- a. Transportation and in-transit insurance costs, if the product or parts thereof have to be returned for repair or replacement to the retailer or their authorized agent.
- b. Repair of defects caused by accident, fire, misuse, alterations modification, negligence, incorrect or incomplete installation/operation, any unauthorized person attempting to repair the ceiling fan, or acts of God.
- c. Claims or damage to furniture, carpet, wall, ceiling foundations or any other consequential loss either direct or indirectly resulting from a faulty ceiling fan.

6. Except in the case of pre-packed integrated light models, light fittings attached to the fan are not covered by this warranty. Where the fan is pre-packed complete with a light, the light fitting will be covered by warranty to electrical defect. Tarnishing caused by climatic conditions and breakage of glasses is not covered by warranty. Globes/lamps are also not covered by warranty. All light fittings attached to the fan must be installed by a licensed electrician ensuring such attachments are complete and do not affect the fan's performance. Light fittings will often accentuate noises and vibrations, which can be traced to loose glass or fittings and are not covered by warranty. Broken glass as supplied in the pre-packed light complete models is not considered an item requiring a warranty service call.



Notification within 48 hours of installation is required where glasses have found to be broken on unpacking.

7. The warranty applies to actual faults which may develop. Minor running noises are not covered. All electrical motors have some audible noise. Allow at least eight hours of operation to allow the bearings to properly seat. The fan, especially when set on low, may feel warm to touch – this is not a fault. If excessive heat is generated a service call may be required. Fan noises can vary due to slight power fluctuations and mains frequency signals for off-peak controlled appliances. These changes are most noticeable in the quiet of night, mains frequency signals which come across as an intermittent hum (mostly at night) are out of control of the manufacturer. In these cases your electricity provider should be contacted, or an electrician to fit a suitable noise filter.
8. Threaded components such as blade nuts can work slightly loose during normal operation. These should be tightened regularly to ensure the fan doesn't develop operation noises. If noises do develop, check this aspect before requesting service. This is not covered by warranty.
9. Minor variation of speed may be evident between different fans, even in the same model and is not a product fault and not covered by warranty.
10. Blades are not covered by warranty against defect in material. The replacement of the blades is not covered by the in home warranty service call, notification within 48 hours of installation is required where blades have found to be broken on unpacking, contact the retailer or their authorized agent who will send you a new set of blades. Each blade set is balanced so it is important to replace all blades. Blades affected by climatic conditions and by maintenance are not covered by this warranty.

This warranty applies only to Australian states; its mainland territories and New Zealand. The benefits of this warranty are in addition to any benefits offered under state or territory law.

For under warranty service, contact the hotline number on 1800 602 243 and advise: the model number and style, the nature of the fault, date and place of purchase. Service cannot be arranged without this information.

Prior to requesting service, please consult the trouble-shooting checklist that is printed in this manual.

- All electric motors, including fans, make some noise and may feel hot to touch – this is not a fault.
- Some fans wobble more than others – even in the same model.
- Blades are weighed to be within tolerance to minimize wobbling. In multiple installations, do not mix blades from fans.
- Fanlights can rattle and are not covered by warranty.
- Finish to the fan, including blades and light complete models, are covered by 2 years warranty.
- Blade and glass replacements are not covered by in home servicing.

