

TUNDRA-48

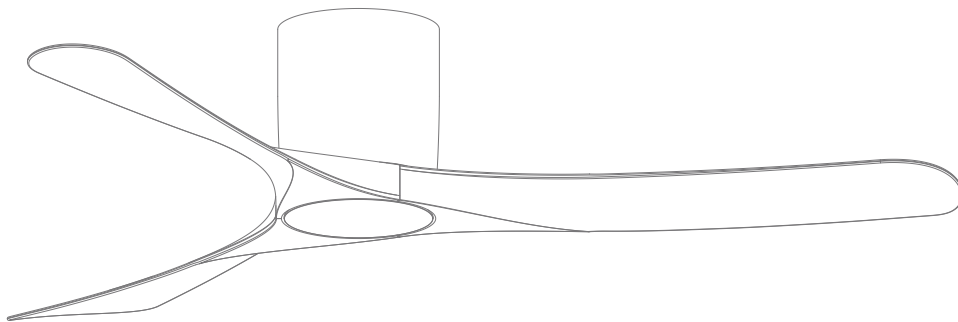
Thank you for purchasing your new TUNDRA-48 ceiling fan, Please take the time to read and understand the instruction sheet below. Failure to do so may void warranty. The fan is suitable for installation indoors and indoor coastal areas, including a pergola or outside in a sheltered area protected from wind and rain.

Specifications

Input Voltage:	240V AC	Power:	40W	Type of motor:	DC	Fan Weight:	4.9Kg
Tropically Rated:	Yes	Blade pitch:	14°	Airflow:	12,912m ³ /h		

Due to product improvements, these specifications may vary from time to time, please refer to online data sheet for latest specifications.

TUNDRA-48



- After installation, electricians must tick off all items on the quick checklist and fill out their details towards the back of this Installation and User Manual.
- Isolation switch and wall plate required. To suit the location and décor, these parts must be supplied by the installing electrician.

Warranty Procedure*

- For online warranty bookings visit: www.domuslighting.com.au/warranty
- For technical advice call: (02) 9554 9600 (Monday to Friday from 9am to 5pm EST)
- *Warranty only available within Australia



POWER OUTLETS OR FIXED WIRING MUST BE INSTALLED BY A LICENSED ELECTRICIAN

To protect your customer's WARRANTY please READ PAGE 2 of this booklet prior to the installation of this product.

1. IMPORTANT - Must Read Prior Installation

2. Distributor and installer details and purchase receipts are essential for on-site warranty claims and must be presented to repair personnel. A page towards the back of this manual has been allocated to allow you to record these details.
3. Fans and fixed wiring products must only be installed by persons who are appropriately licensed by the applicable State regulatory body. Therefore, to protect our repair personnel, on-site warranty claims will not be accepted if products have been installed by unlicensed persons.
4. Damage caused by incorrect installation, force-majeure, electrical surges, lightning, power grid fluctuations, water or by connection to alternative power supply sources (such as solar inverters, etc.) is not eligible for warranty repair.
5. Blades must be replaced only as a complete set. Blades are supplied only as a pre-balanced set and the replacement of individual blades may void the warranty by causing mechanical damage to the motor, excessive noise or premature wear.
6. When products are installed in a location requiring special access equipment (such as scaffolding or scissor lifts, etc) the cost of providing, installing and operating special access equipment must be borne by the site owner.
7. "This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance."
(AS/NZS 60335.1 C1.7.12). Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
8. An isolation switch providing full disconnection of both fan and light must be fitted in accordance with the wiring rules (AS/NZS 60335.1 C1.7.12.2).
9. The replacement of parts of the safety suspension system device shall be performed by the manufacturer, its service agent or suitably qualified persons.
10. The mounting of the suspension system shall be performed by the manufacturer, its service agent or suitably qualified persons; the fixing means for attachment to the ceiling such as hooks or other devices shall be fixed with a sufficient strength to withstand 4 times the weight of the ceiling fan.
11. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

DANGER: Contact with ceiling fan blades can cause serious injury or death.

WARNING: If unusual oscillating movement is observed, immediately stop using the ceiling fan and contact the manufacturer, its agent or suitably qualified persons.

To electricians and installers: The Australian Competition and Consumer Law 2010 mandates consumer protection against defects or poor workmanship in provision of services (such as installing a ceiling fan). To protect yourself and the consumer these instructions must be followed. Failure to do so may result in the consumer making a claim against you for consequential loss or damage.

For safety, and to protect your customers warranty, the following must be taken into account when installing and operating the product(s):

- a. **DO NOT USE SOLID-STATE WALL CONTROLLERS.** Neither leading nor lagging edge controllers will give satisfactory performance. Wall controls must only be types approved for use by Domus Lighting.
- b. The fan, light and bracket must be earthed.
- c. Fan and light must be run from the same final circuit.
- d. Mounting bracket must be firmly screwed to a solid structure such as a concrete ceiling, steel structure or timber framing. If additional bracing is added it must be firmly secured to the rafters and not left floating on the ceiling. Special mounts, such as T-hooks, are available for certain types of installation. **DO NOT USE COUNTERSUNK SCREWS.**
- e. After installation, fan blades must be at least 2.1 m (7 feet) above floor level.
- f. The use of these products by children and the infirm must be under supervision.



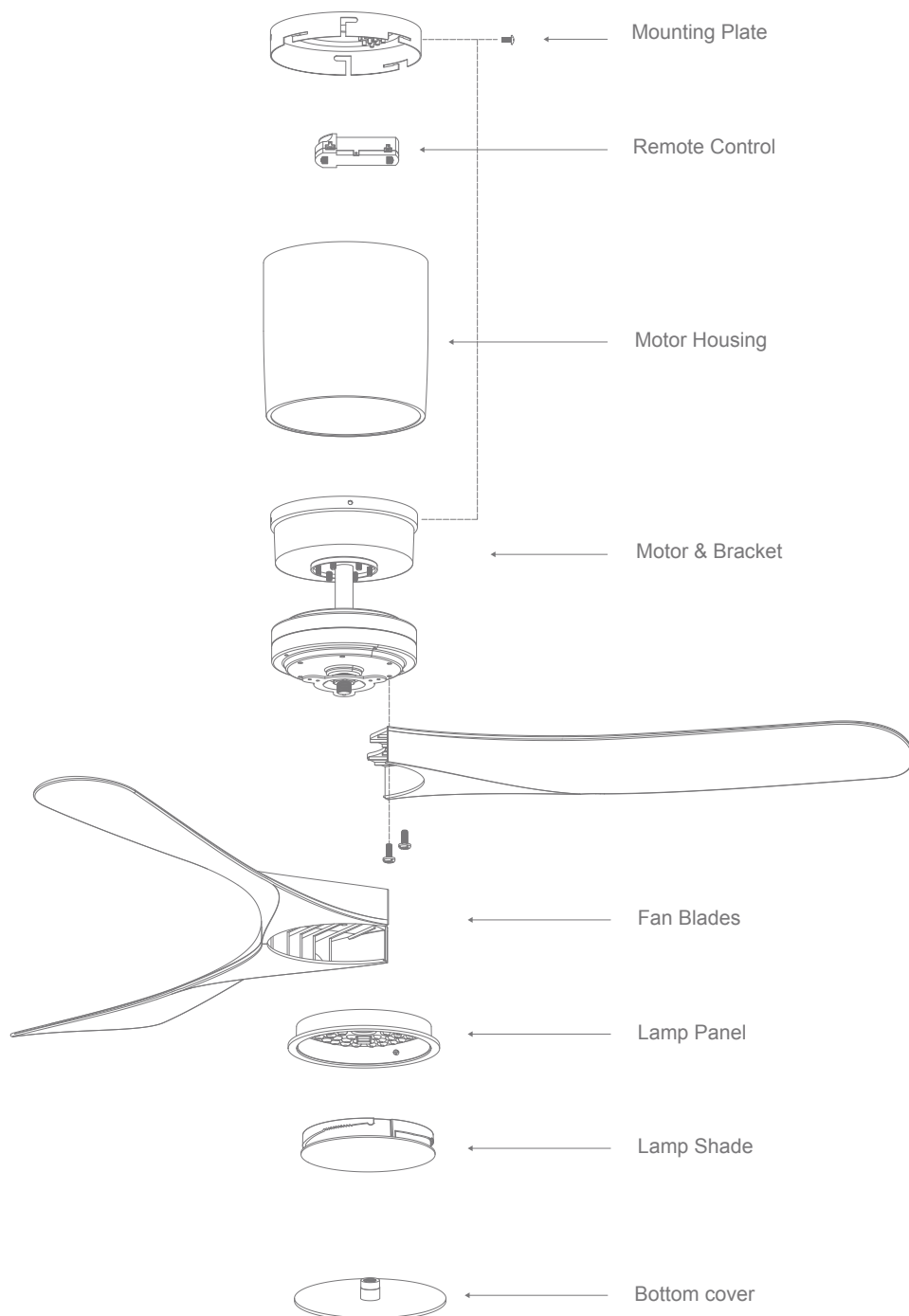
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IF THERE ARE ANY PROBLEMS WITH THE PRODUCT AT TIME OF INSTALLATION THE INSTALLER MUST CONTACT THE TECHNICAL ADVICE NUMBER (02) 9554 9600 BEFORE LEAVING THE JOB SITE. PLEASE DO NOT REMOVE THE FAN FROM THE CEILING ONCE INSTALLED UNLESS INSTRUCTED TO DO SO.

1. Do not attempt to operate the fan or light (if fitted) with any wall control that is not approved by Domus Lighting for use with its fans **DO NOT** use solid state controllers. The use of unapproved controllers may void your warranty.
2. Do not mix blade sets from one fan to another as this may upset the balance of the fan. If only one blade is damaged you are still required to replace with a new set.

TUNDRA-48 Parts

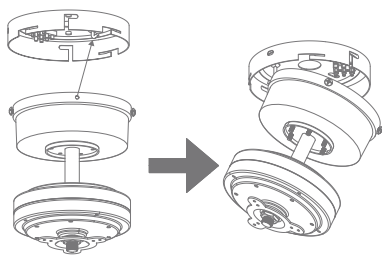


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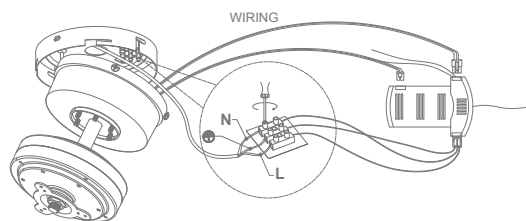
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TUNDRA-48 Assembly

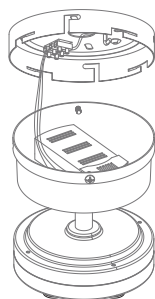
Please refer to page 6 for mounting to the ceiling



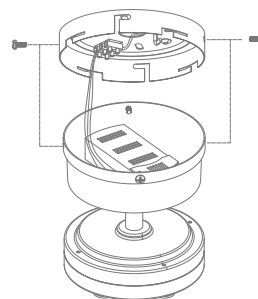
Unscrew the two diagonal screws on the motor bracket and hang the screw holes of the motor onto the mounting plate for easy wire connection.



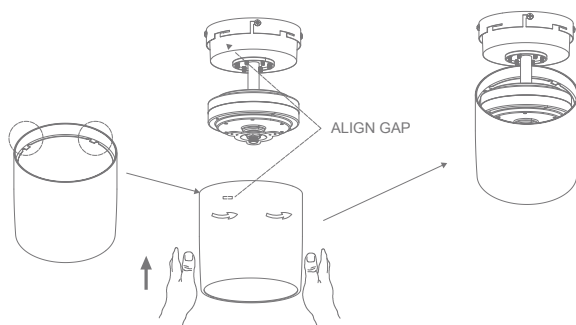
Place the receiver on a bracket after wiring. Refer to the wiring diagram of P5.



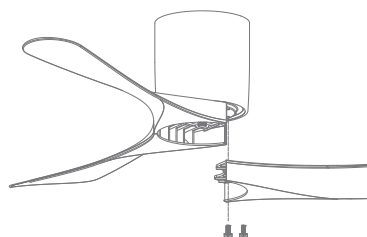
Place the receiver on a bracket after wiring, all wires should be properly placed and tied to avoid touching the motor.



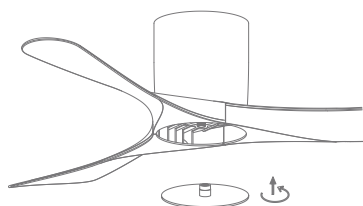
1. Loosen the other two screws from the motor bracket.
2. Lift the motor upwards, align the gap on the mounting plate to the 2 bracket screws, lift to the top and then rotate the hanger to the right and tighten the 4 screws.



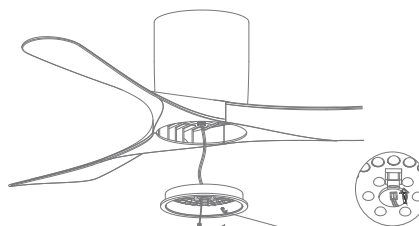
1. Raise the fan housing up against the mounting plate.
2. The four supports inside the fan housing should be placed against the four gap on the mounting plate.
3. Hold housing and tightly against the plate and rotate it to the right. Twist the fan housing until snug.



First, unscrew the 6 screws on the motor, align the blades with the motor holes, Using the screw driver to secure the blade to the motor, but do not overtighten. Repeat for the rest blades. Once all blades screws are in place, gently tighten all screws with the screw driver.



If there is no need to install lighting fixtures, the bottom cover can be directly installed.

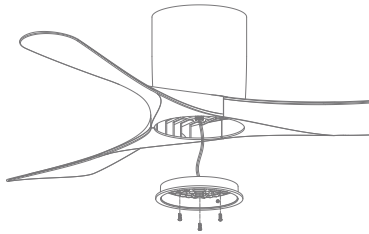


Thread the lamp plug through the lamp panel hole and connect it to the LED board. Refer to the wiring diagram of P5.

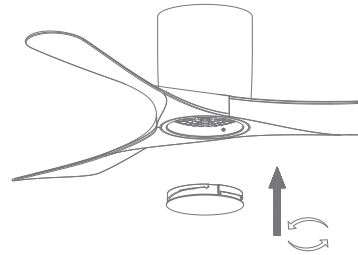


TUNDRA-48-LIGHT-KIT Assembly

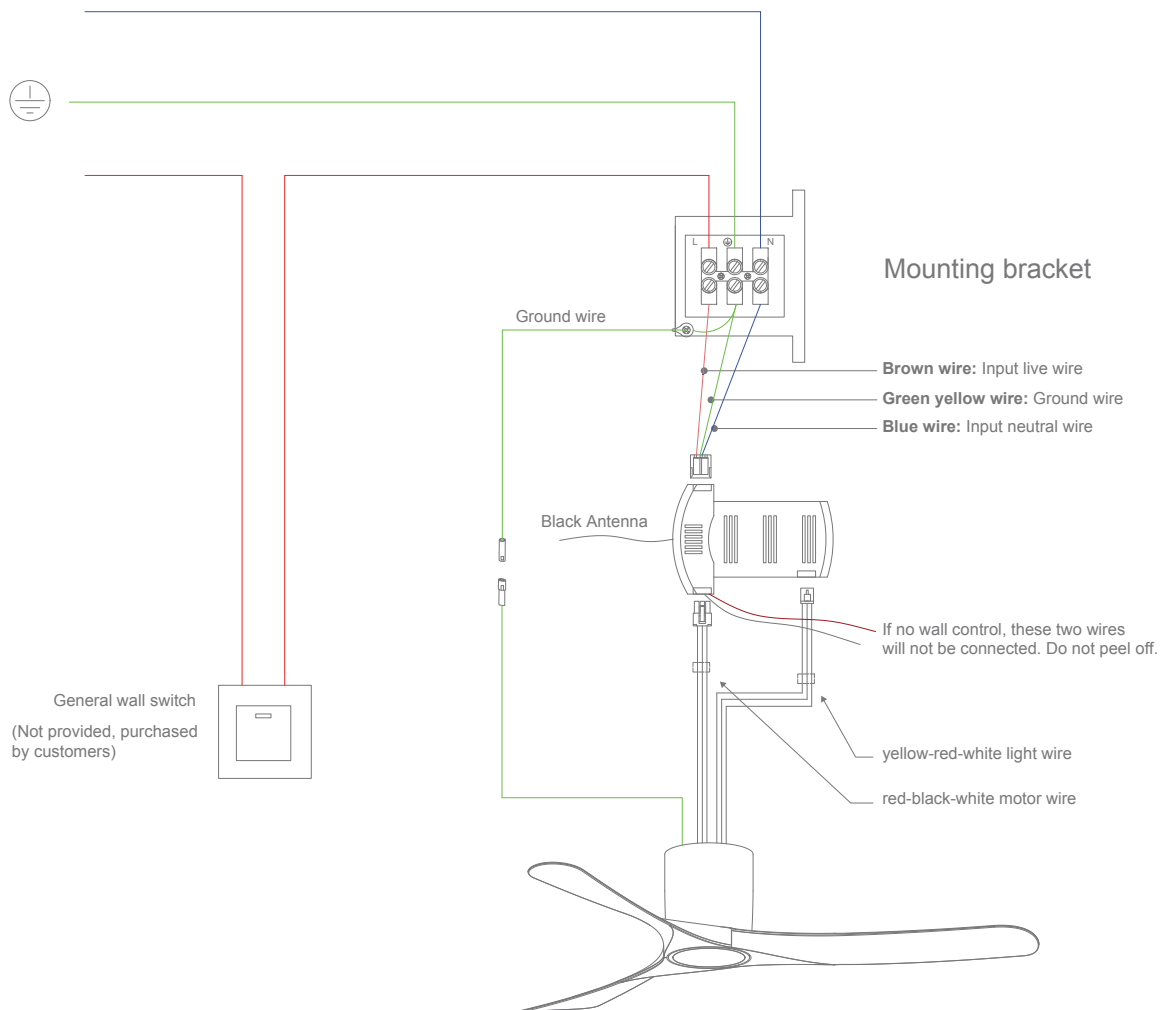
Please refer to page 6 for mounting to the ceiling



Unscrew the three screws on the motor board, align the lamp panel hole with the motor hole, and tighten the screws.



Install the lampshade.



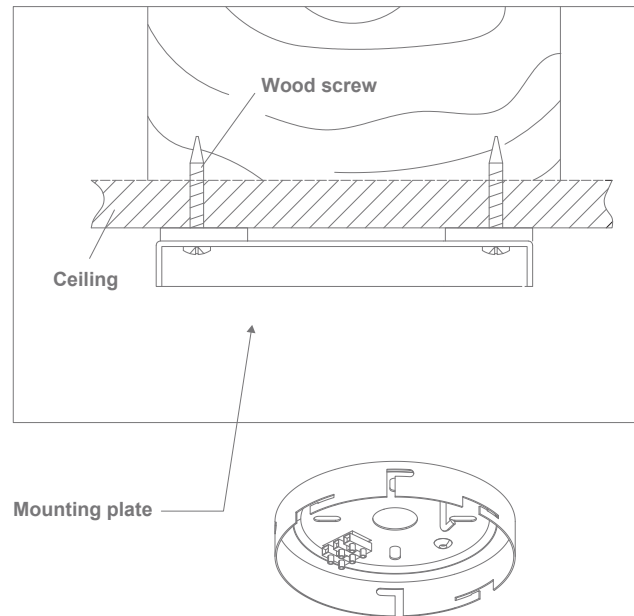
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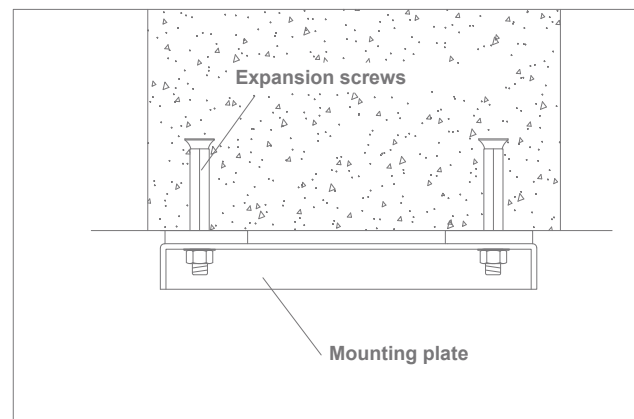
Ceiling Mount

For wooden ceiling, the thickness of the wooden ceiling should be greater than 2CM and the load-bearing capacity should exceed 30KG, then secure the plate with 4pcs wood screws.

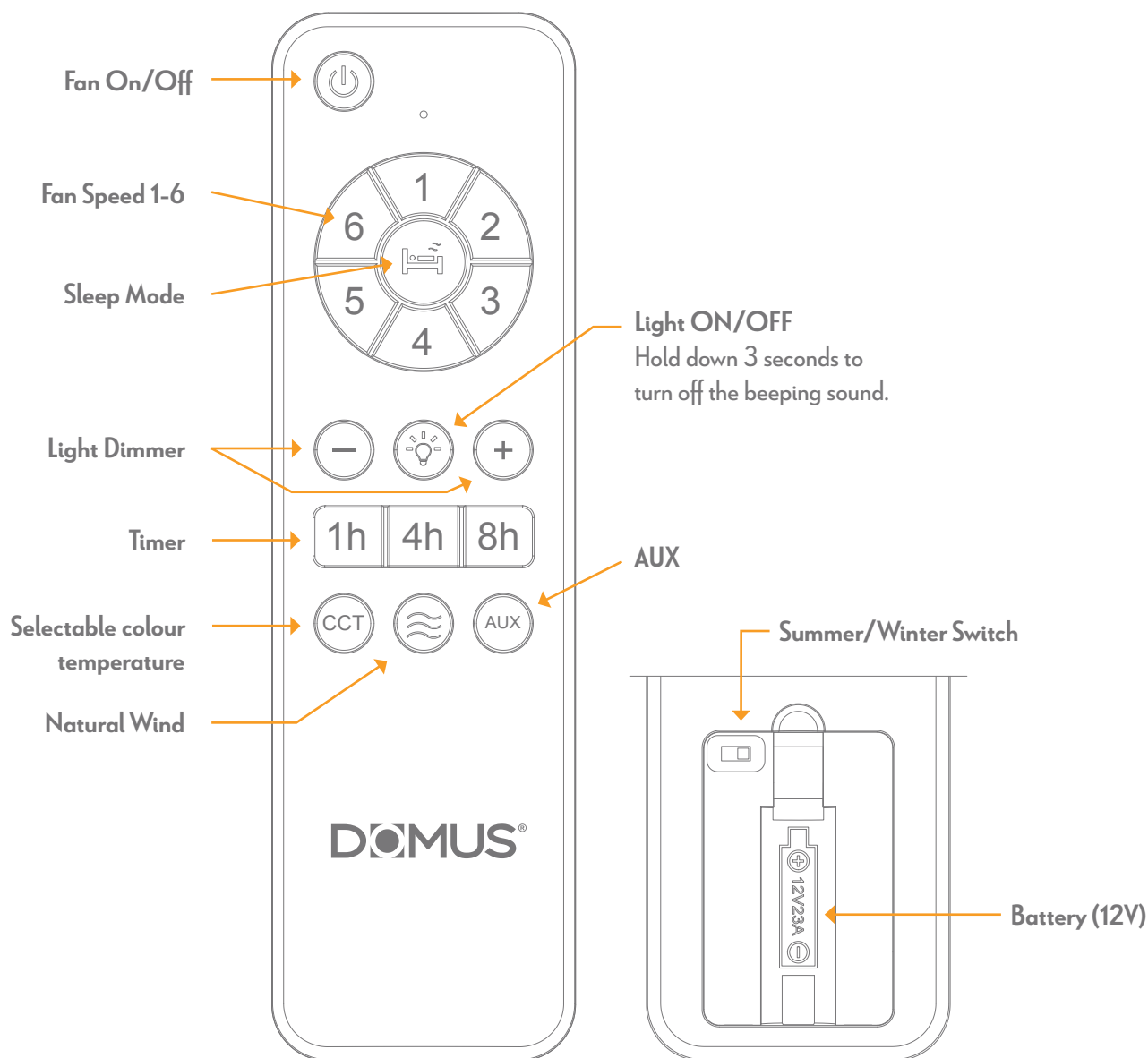
(The safety wire rope should be locked onto the load-bearing screw).



For concrete ceiling, drill a hole ($\varnothing 8 \times 60\text{mm}$) in the base material with a hammer drill and a correctly sized carbide drill bit for the anchor and clean out the hole of all debris. Knock expansion screw into the hole and then tighten it with a wrench.



6 Speed Handset Button Explanation



Note:

Learning code matching mode is used between remote controller and receiver.

Turn on the supply power within 5 seconds and press the remote controller "CCT" button for 3 seconds, it can load normally after hearing a long sound "beep", which means learning successfully and it can work normally. (Learning mode is not accepted after turn "ON" the supply power for 5 seconds) If the remote control cannot be operated normally or after replacing the remote control, please follow the above steps to pair the codes.



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Control Module And Handset Programming Explanation

***HANDSET PROGRAMMING ONLY NEEDED WHEN GETTING NEW HANDSET
MAKE SURE THE ISOLATION SWITCH IS ON OR REMOTE CONTROL WILL NOT WORK**

Handset Battery Installation/Replacement

Open the battery compartment by pushing the cover away from you. UNWRAP THE PLASTIC FROM AROUND NEW BATTERIES (if wrapped). Observe Polarity and make sure battery sits properly in recess. Slide the cover back into place.

How To Add a Replacement Handset

The receiver can learn the identification code for a new handset using the following procedure:

- a. Turn off power to fan at isolation / wall switch and wait for 30 seconds then turn power back on at the isolation / wall switch, the fan will beep once.
- b. Press and hold the "Forward/Reverse" button until you hear one beep from the receiver. The remote will then be linked to the fan.
Two handsets can be paired to each fan, and the same handset can control multiple fans.

NOTE: THE MAINS POWER TO THE CONTROL MODULE MUST BE SWITCHED ON-OFF VIA AN ISOLATION SWITCH. NOT THE BUTTONS ON THE HANDSET.

SEE TERMS AND CONDITIONS OF WARRANTY. YOU WILL BE CHARGED A SERVICE FEE IF THE PRODUCT IS NOT DEFECTIVE OR IS DAMAGED BY POWER SURGES, LIGHTNING, WEATHER, MISUSE/ABUSE AND SIMILAR SITUATIONS. ALL INSTALLATION INSTRUCTIONS MUST BE FOLLOWED.

Advance Features

POWER-ON-LIGHT (POL) Selection (Fans fitted with light only)

When POL is ON the light will turn on when power is applied to the receiver (via an external switch or after a power failure). This allows the fan light to be turned on/off by the wall switch. When POL is OFF the light will remain off when power is applied. The OFF position is recommended for holiday houses and similar locations where the light may switch on unintentionally if a power failure occurs. The fan light will always remain off when power is turned on. POL selection can be changed by the user through the remote control handpiece as follows:

POL ON: Turn on the wall switch/isolation switch and turn the light off using remote handset. Slowly press the "Timer" button 1H/4H/2H/1H/4H/2H. The receiver will beep once and the light will turn on, the setting is now completed. When POL is ON the light will turn on when power is applied to the receiver (via an external switch or after a power failure).

POL OFF: Turn on the wall switch/isolation switch and turn the light off using remote handset. Slowly press the "Timer" button 1H/4H/2H/1H/4H/2H. The receiver will beep once and the light will turn off, the setting is now completed. When POL is Off the light will remain off when power is applied to the receiver (via external switch or after a power failure).



Advance Features

1. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
2. The instructions for fixed appliances shall state how the appliance is to be fixed to its support. The method of fixing stated is not to depend on the use of adhesives since they are not considered to be a reliable fixing means.
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4. **WARNING:** If unusual oscillating movement is observed, immediately stop using the ceiling fan and contact the manufacturer, its service agent or suitably qualified persons.
5. The instructions for ceiling fans shall include the substance of the following:
 - the maintenance cycle and method of maintenance;
 - the weight of the appliance in kilograms;
 - that the replacement of parts of the safety suspension system device shall be performed by the manufacturer, its service agent or suitably qualified persons.
6. The instructions for ceiling fans shall include the substance of the following:
 - the fixing means for attachment to the ceiling such as hooks or other devices shall be fixed with a sufficient strength to withstand 4 times the weight of the ceiling fan;
 - that the mounting of the suspension system shall be performed by the manufacturer, its service agent or suitably qualified persons;
 - that the fan is to be installed so that the blades are more than 2,1 m above the floor;
 - the model or type reference of a luminaire that may be installed in a fan constructed for this purpose



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Troubleshooting

Fan will not start

1. Check circuit fuses or breakers.
2. Check all electrical connections to ensure proper contact.
CAUTION: Make sure the main power is OFF when checking any electrical connection.
3. If the receiver makes a dripping sound or the light is on after power on, please pair the remote control according to the pairing method.

Noisy Operation

1. Make sure all motor housing screws are snug.
2. Make sure the screws that attach the fan blade brackets to the motor are tight.
3. Ensure that the upper side of the fan blade does not touch the motor cover and the lower side does not touch the bottom cover.
CAUTION: Make sure main power is OFF.
4. Allow a 24-hour "breaking-in" period. Most noise associated with a new fan disappears during this time.
5. If using an optional light kit, make sure the screws securing the glassware are tight. Check that the light bulb is also secure.
6. Some fan motors are sensitive to signals from solid-state variable speed controls. If you have installed this type of control, choose and install another type of control.
7. Make sure the upper canopy is a short distance from the ceiling. It should not touch the ceiling.

Excessive Wobbling

1. Check that all blade and blade arm screws are secure.
2. Most fan wobbling problems are caused when blade levels are unequal. Check this level by selecting a point on the ceiling above the tip of one of the blades. Measure this distance. Rotate the fan until the next blade is positioned for measurement. Repeat for each blade. The distance deviation should be equal within 1/8".
3. Use the enclosed Blade Balancing Kit if the blade wobble is still noticeable.
4. If the blade wobble is still noticeable, interchanging two adjacent (side by side) blades can redistribute the weight and possibly result in smoother operation.

WARNING: TO REDUCE THE RISK OF PERSONAL INJURY DO NOT BEND THE BLADE ARM WHILE INSTALLING BALANCING THE BLADES OR CLEANING THE FAN. DO NOT INSERT FOREIGN OBJECTS BETWEEN ROTATING FAN BLADES



Balance adjustment method of ceiling fan

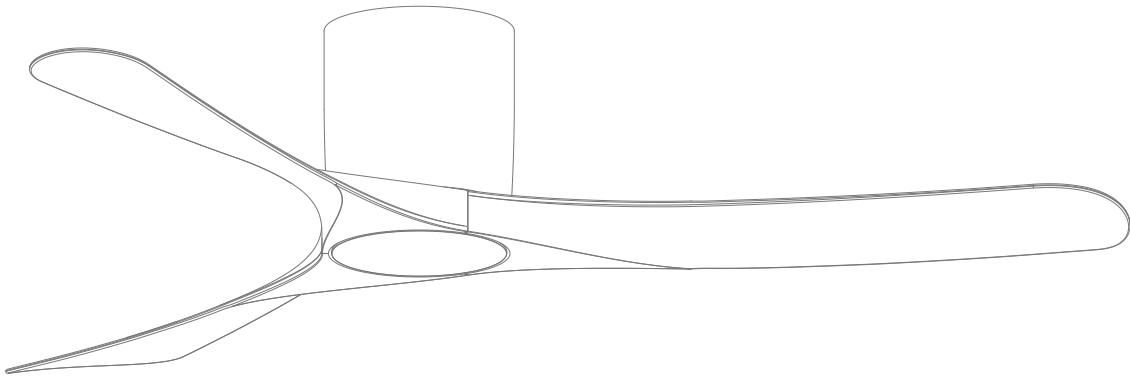
if there is shaking after wind installation, please first confirm whether the screws fixing the hanging ball, derrick, hanger, hanger head, blade frame and blade are locked tightly, if the upper part is not locked tightly, please lock it again. If the lock is tight, please adjust it in the following way.

Change the blade position

- As shown in FIGture 1 on the right, please take off fan blades 1 and lock them tightly against each other to observe the effect.
- If there is no improvement after the adjustment, please switch the fan blade 2 and 3 /4 /5 and lock them tightly.

Use balance bag

- Take out the balancing bag in the packing box and use the balancing clip to select and clip to one edge of the fan blades (as shown below).
- Turn on the fan switch to see if the swing of the ceiling fan has been reduced. If not, try another fan blade. For all the fan blades, the weakest one was found.
- Place the balance clip on the weakest fan blade, move inward or outward on the blade edge, and open the ceiling fan to find the best position for the balance clip to control the steady wobble (as shown below).
- Take the balance sticker, tear off the double-sided adhesive tape of the balance sticker, and stick the balance sticker to the central position of the blade in the position of the balance clamp (as shown below).



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General Maintenance

Changing Remote Batteries: - Batteries used in Handsets will weaken over time and should be replaced every 6 months. Batteries removed from the handset should be disposed of properly and kept out of reach of children.

*** Before maintenance ensure fan is switched off at the isolation switch or circuit breaker ***

Cleaning the Motor Housings: - Motor housings should be cleaned every 3 to 4 months to avoid build up of dust. Dust will attract moisture and condensation leading to corrosion. Use a soft, damp (not wet) cloth to remove dust. Use only water and mild detergent. Spray cleaners may damage coatings.

Cleaning the Blades: - Use a soft damp cloth to remove dirt from blades. Always dry blades after cleaning. Blades should not be left damp or wet as this will damage blade finish or cause corrosion. Use only water and mild detergent. Spray cleaners may damage coatings.

Always use soft cloths to clean blades and motor housings to avoid scratching painted and plated finishes. Ideally your fan should be cleaned every 3 to 4 months.

If removing blades for cleaning then do so for each fan separately, do not mix blades from different fans as this can upset the balance of the fan. Put blades back in the position they came from.

Normal Wear and Tear: - Please note that a ceiling fan travels an enormous distance in the course of its normal operation. Air is abrasive and suspended dust, high humidity and other contamination will cause wear and tear of surfaces.

The use of fans under roofed decks and pergolas next to swimming pools and in coastal areas will require increased maintenance due to the presence of chlorides (either as common air borne salt spray or from compounds in pool chemicals)

The temperatures attained in the peak of a pitched deck or veranda roof can easily exceed 60-70°C and especially when coupled with chlorides this will increase maintenance requirements. Even indoors in coastal areas the influx of warm, sea air can accelerate the surface corrosion of metal parts. This can still happen a great many kilometres from the sea.

When humidity is high and temperature drops moisture condenses on metal surfaces including ceiling fans. The layer of moisture can be almost microscopic but it will affect the surface by depositing a tiny layer of dissolved salts or airborne acidic compounds and thus eventually leading to corrosion if the product is not properly and regularly cleaned. This applies equally to indoor and outdoor fans.

Some colour discoloration on ABS polymer body and blade will occur over time.

LACK OF MAINTENANCE LEADING TO SURFACE CORROSION OR SIMILAR DAMAGE IS NOT COVERED BY WARRANTY.



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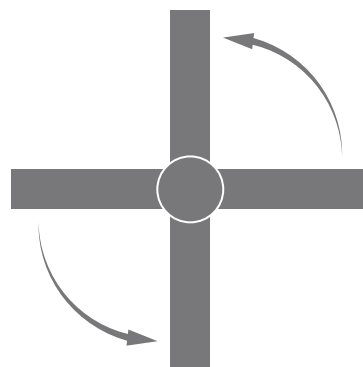
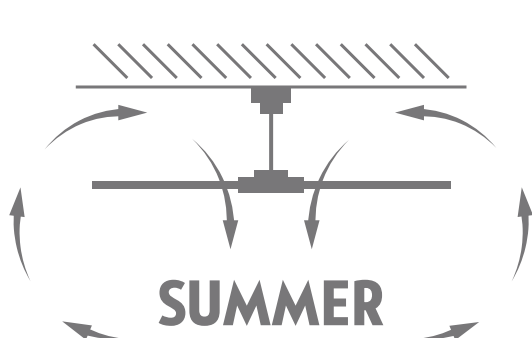
Summer/Winter Modes

FORWARD (Summer) Mode

Ceiling fans are an environmentally smart choice to assist with cooling and warming your home.

In FORWARD (Summer) mode your ceiling fan will spin to push air down the centre of the fan producing a cooling breeze.

The direction the fan will spin in FORWARD (Summer) when viewed from underneath will be anti-clockwise.

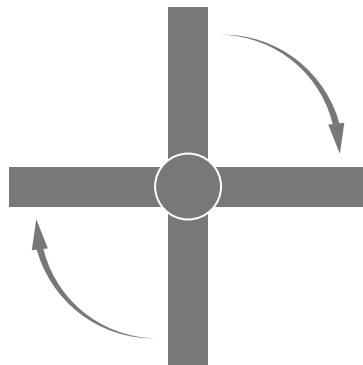
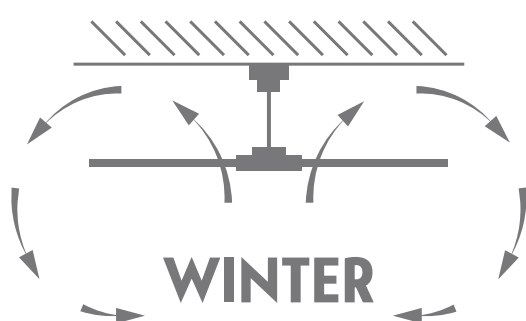


REVERSE (Winter) Mode

In REVERSE (Winter) mode your ceiling fan will spin the opposite direction. Air is drawn up the centre of the fan, and pushed along the ceiling to circulate down to the living areas.

The REVERSE (Winter) mode can also be for air circulation in a poorly ventilated rooms.

The direction the fan will spin in REVERSE (Winter) when viewed from underneath will be clockwise.



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Checklist

Electricians make sure everything on this checklist is ticked off before you leave the installation site. If you have trouble installing our product please refer to the trouble shooting section on page 13 first then phone Domus Lighting on (02) 9554 9600 (open 9am to 5pm EST on Monday to Friday). DO NOT uninstall the fan unless asked to do so.

1	Ceiling fan is not installed using a solid-state wall controller. Neither leading nor lagging edge controllers will give satisfactory performance. Wall controllers must only be types approved for use by Domus Lighting.
2	The fan, fan light assembly and bracket are earthed.
3	Fan, fan light and remote control receiver are run from the same final circuit via an isolation switch.
4	Mounting bracket must be firmly secured to a solid structure such as a concrete ceiling, steel structure or timber framing. If additional bracing is added it must be firmly secured to the rafters and not left floating on the ceiling. Special mounts, such as T-hooks, are available for certain types of installation.
5	Counter sunk screws are not to be used to attach bracket to ceiling.
6	Fan blades are at least 2.1m (7 feet) above floor level.
7	Check the fan is operating correctly on all speeds.
8	If light is installed. Check light is functioning properly.
9	If remote control is installed. Check the fan (and light if installed) is responding to the remote control correctly. (Non-dimming remote control to be used with fluorescent and LED lamps).
10	Check electrician's details have been recorded onto page 21 of this manual.



Proof of installation

Fill out the details below and keep this manual. You will need to present your product information, installing electricians license number and proof of purchase for warranty claims.

Customer Details

Customer Name: _____

Installation Site Address: _____

Installing Electrician Details

Electrical company and Electrician Name: _____

License No: _____

Telephone: _____

Mobile: _____

Install Date: _____

Product Details

QTY	Product Name	Install Area	Colour	Fan Sweep (i.e. 48", 52", 54" etc)

Purchase details

QTY	Product Name	Purchase Place	Purchase Date

PLEASE RETAIN THE PURCHASE RECEIPT FOR WARRANTY CLAIMS



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Warranty Terms and Conditions

Manufacturer's warranty covers defects in the product only. It does not cover defects within the fan installation or improper maintenance. This warranty covers Australia only.

Warranty periods begin from the day of purchase from an authorised reseller or dealer. Warranty on builder supplied and installed fans commences when fans are delivered to the builder or contractor (which generally precedes hand over of the dwelling). Warranty periods are as follows:

ELECTRONIC PARTS WARRANTY - DOMUS DC CEILING FANS FAN

2 years in-home warranty on all electronic components such as control modules, remote control systems, lighting and accessory wall control.

MOTOR AND MECHANICAL PARTS WARRANTY - DOMUS DC CEILING FANS FAN

3 years in-home warranty on mechanical parts and the motor, excluding cosmetic issues and corrosion (unless reported in the first 3 months).

3 years additional parts warranty on the electric motor.

1 year warranty applies when fan or relevant parts is used in any non-domestic applications.

This statement is required by the Australian Consumer Law 2010: "Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure."

Please note carefully - If the product is found to be free of defects or the product is not functioning properly as a result of faulty installation or lack of maintenance then Domus Lighting Pty Ltd or its service agent reserve the right to charge a service fee to rectify the reported problem.

Damage caused by incorrect installation, force-majeure, electrical surges, lightning, power grid fluctuations, water or alternative power supply sources (such as solar inverters etc.) will not be covered by warranty. This warranty does not cover the product being incorrectly used, physically abused, accidentally damaged or not serviced in accordance with the maintenance instructions.

This product warranty excludes to the fullest extent possible under law any liability for consequential loss or damages directly or indirectly resulting from a faulty ceiling fan or accessory product that is not installed or maintained according to the installation instructions. When installed, maintained and used according to the instructions such loss or damage can be easily avoided or minimised.

Signals (ripple control) sent through the power grid by the electricity supplier for the control of other devices may cause intermittent noises and do not occur as a result of a fault in the fan.

When ceiling fans are installed in a location requiring special equipment (such as scaffolding or scissor lifts) the cost of providing such equipment must be borne by the site owner in case of maintenance and repair and such costs should be considered when deciding on fan placement.

WHS regulations may prohibit technicians from attempting to access products installed above a certain height without special measures in-place. It is the site owners responsibility to provide those measures at their own cost or an on-site/in-home warranty service may be refused. The product will need to be removed and reinstalled at the owners expense.



POWER OUTLETS OR FIXED WIRING MUST BE INSTALLED BY A LICENSED ELECTRICIAN

To protect your customer's WARRANTY please READ PAGE 2 of this booklet prior to the installation of this product.