



COMPACT OMNIDIRECTIONAL ANTENNA KIT VHF & UHF



WHITE
900-00600

BLACK
900-00602

SPHERE Compact 12V Omnidirectional Antenna Kit



THIS PRODUCT CAN BE INSTALLED INTO ANY VEHICLE (MOBILE TRAILER, RV, TRUCK, ETC.)

CHOOSING A LOCATION FOR THE ANTENNA

! Install in dry conditions only!

Before choosing a location for the antenna, contact your RV dealer or manufacturer. Your RV may be pre-wired for this system.

When choosing a location for the antenna, refer to the diameter specifications and clearance to other rooftop mounted items such as air conditioners and/or roof hatches.

NOTE

Antenna reception may vary based on transmitting antenna tower height, lobe pattern of the transmitter, height of the receiving antenna, weather conditions and terrain on receiving path including trees, buildings and hills.

DIMENSIONS / CLEARANCE REQUIREMENTS

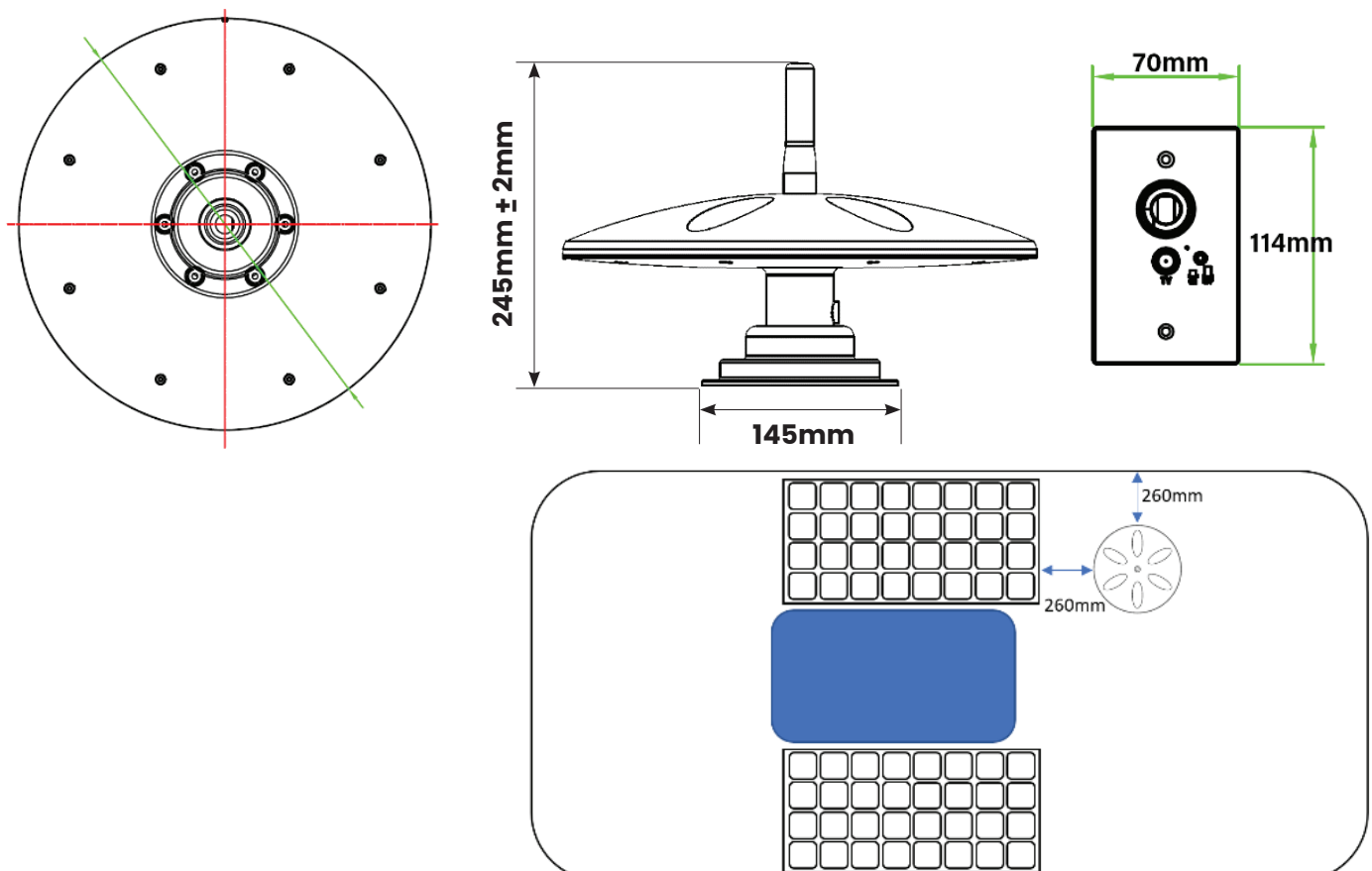
260mm to nearest obstruction

260mm to edge of vehicle roof

Be mindful of possible casting of shadows onto solar panels

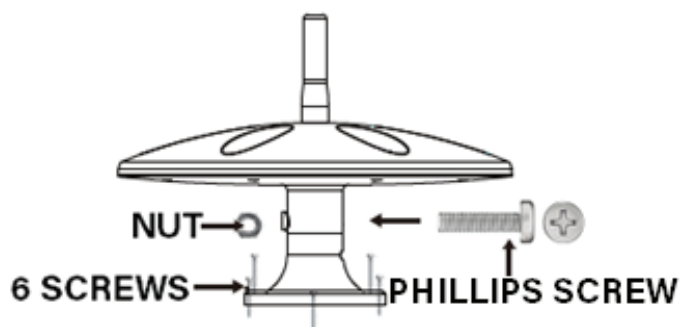
The greater the distance from tall objects such as air conditioners the better antenna will perform.

350mm Diameter



INSTALLATION

The antenna must be installed on a flat section of the vehicle roof. Fix to the roof using 6 screws into the screw base to secure the antenna. The antenna is supplied with a butyl gasket which will assist with sealing from water ingress. Run a solid bead of sealant over the mounting screws and the outer edge of the mounting flange. It is also recommended to run a small bead over the nut and Phillips screw securing the antenna to the base. This will also help to prevent leaks.

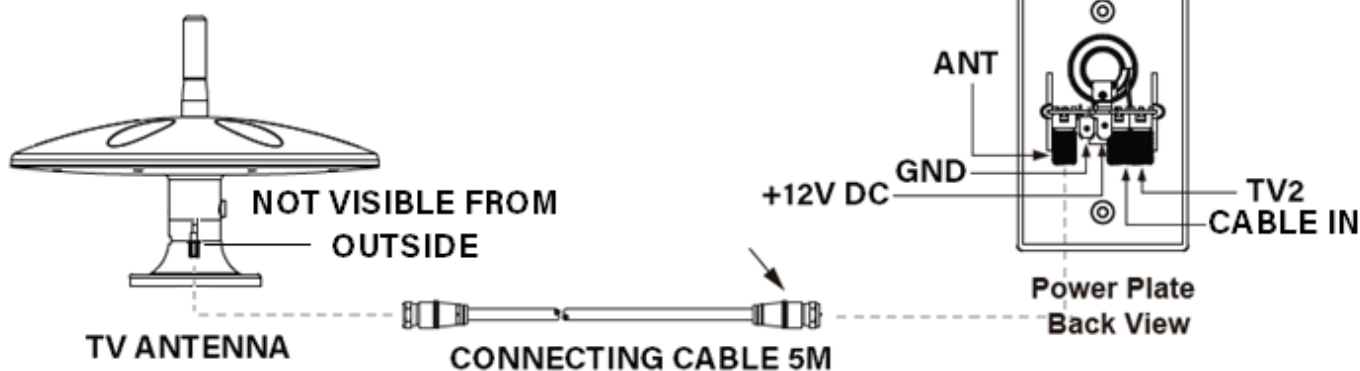


Connect the antenna to the power plate, and connect the power plate to the television device.

1. Connect the F (M) connector of the 5M connecting cable to the Power Plate (ANT port on the back side), Power the plate with 12V power supply and push on the switch

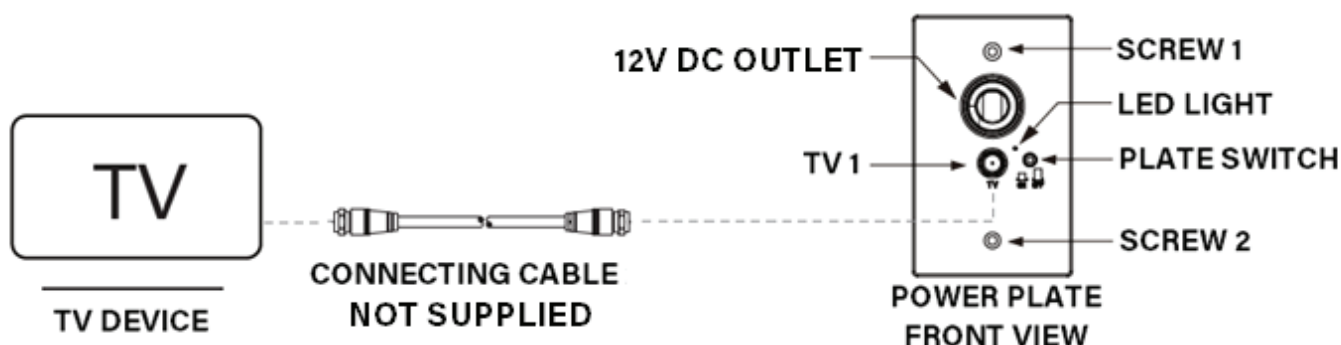
! Do not connect high current devices such as hair dryers to this receptacle. Maximum current rating of receptacle is 8 Amps at 12v

! The power supply should be turned off when connecting cables/wires.

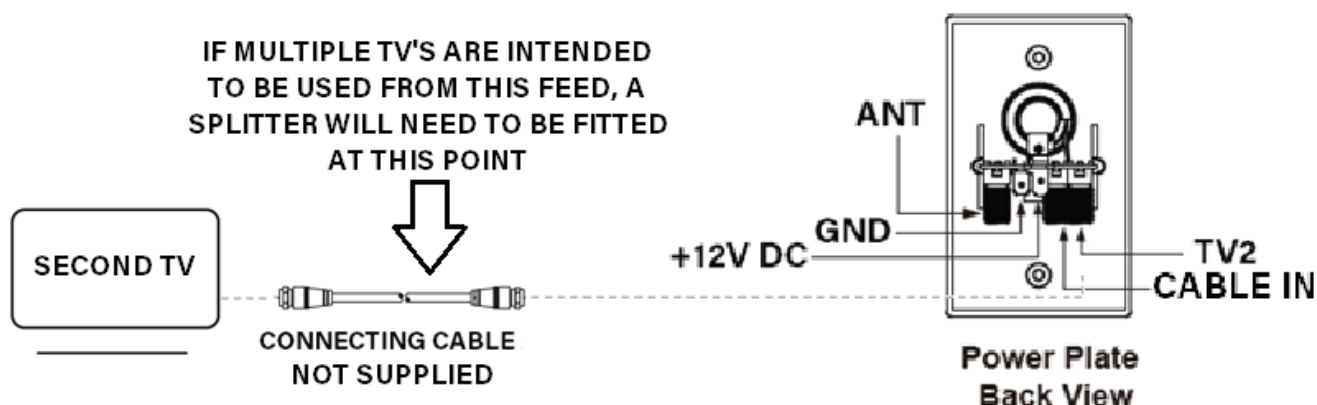


2. Connect the F (M) connector of the connecting cable (not included in the antenna kit) to the power Plate (TV port on the front side), and connect the other end to the television device.

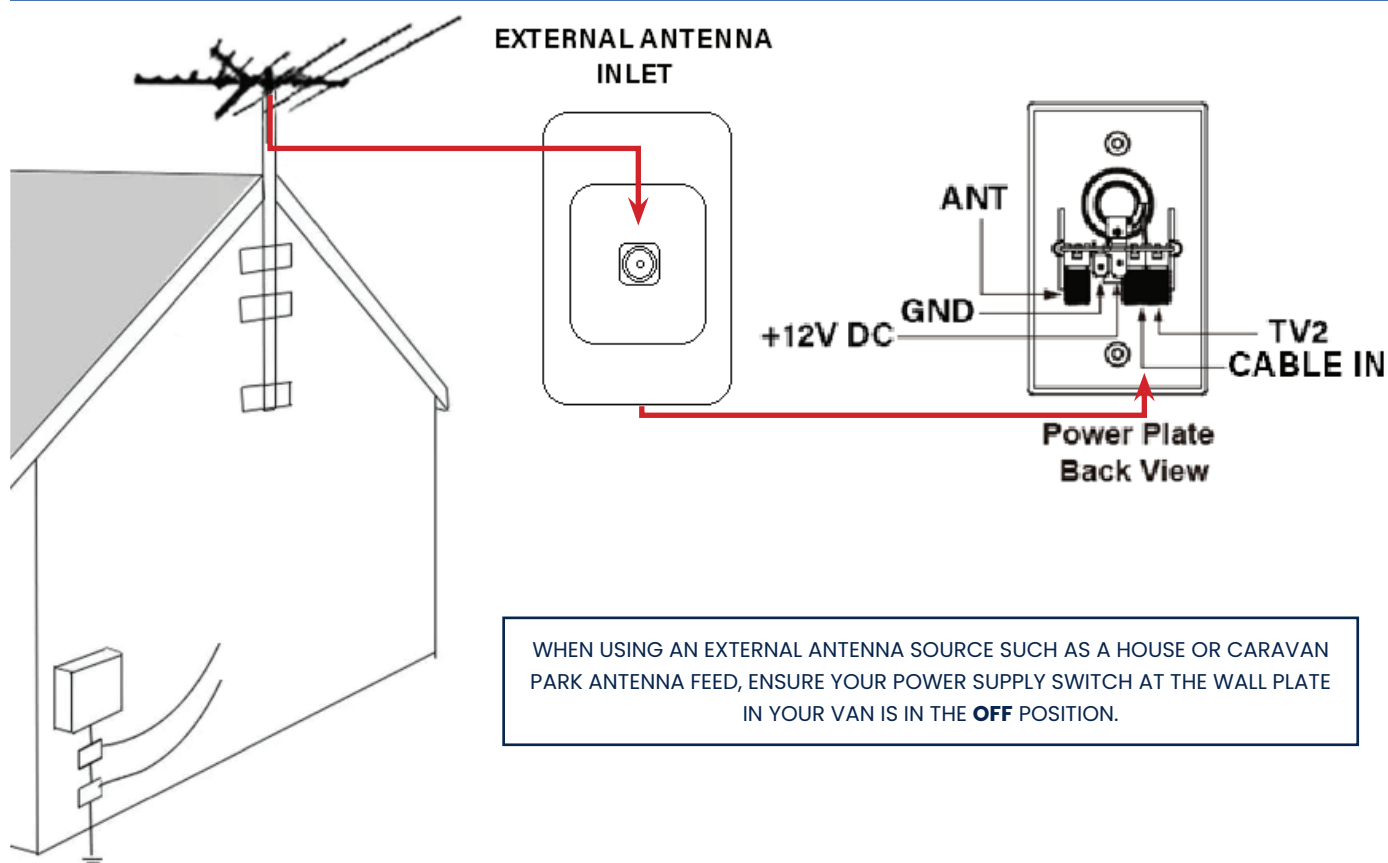
SINGLE SCREEN SET 1



ADDITIONAL SCREENS/SET 2



EXTERNAL ANTENNA FEED/INPUT - CABLE IN



SPECIFICATIONS

FREQUENCY	AMPLIFIER: YES	POLARISATION	IMPEDENCE: 75 Ohm
VHF – 174-230MHz	V.S.W.R: 2.0:1 Max	HORIZONTAL – VHF/UHF	
UHF – 470-700MHz	MATERIAL: ASA	VERTICAL – UHF ONLY	
GAIN: 28-35dBi	POWER SUPPLY: 12V	RADIATION PATTERN: OMNI-DIRECTIONAL	

PART NUMBERS

900-00610	SPHERE Compact 12V Omnidirectional Ant. Parts - VERTICAL ANTENNA TIP WHITE
900-00612	SPHERE Compact 12V Omnidirectional Ant. Parts - VERTICAL ANTENNA TIP BLACK
900-00614	SPHERE Compact 12V Omnidirectional Ant. Parts - WALL PLATE WHITE
900-00616	SPHERE Compact 12V Omnidirectional Ant. Parts - WALL PLATE BLACK
900-00618	SPHERE Compact 12V Omnidirectional Ant Parts - ANTENNA BASE WHITE
900-00620	SPHERE Compact 12V Omnidirectional Ant Parts - ANTENNA BASE BLACK
900-00622	SPHERE Compact 12V Omnidirectional Ant Parts - BASE GASKET
900-00624	SPHERE Compact 12V Omnidirectional Ant Parts - 5M RG6 CABLE
900-00626	SPHERE Compact 12V Omnidirectional Ant Parts - BASE SCREWS & NUTS KIT

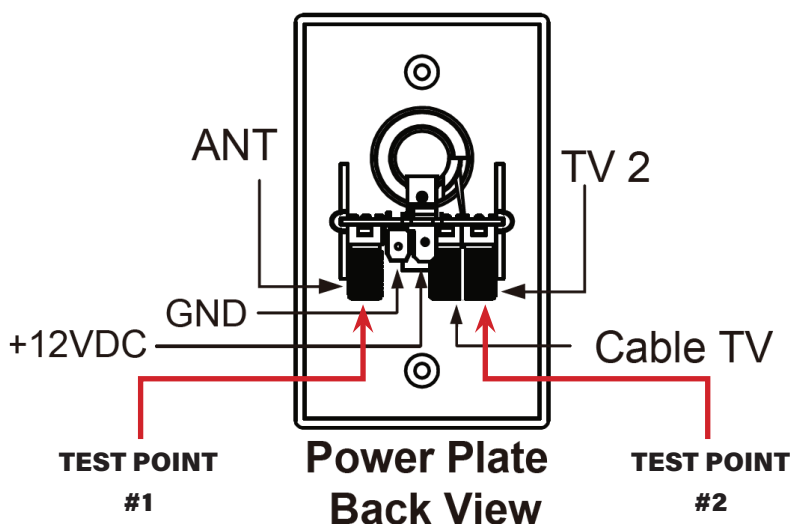
TROUBLESHOOTING

Do not install couplers, splitters, etc. between the power supply and the antenna. Installation of any item on the downlead may cause a short in the system. The downlead supplies +12 VDC to the preamp in the antenna.

The power supply should be turned OFF when connecting/disconnecting cables to power supply and antenna but should be turned ON when testing for voltage.

Testing System

1. Make sure your TV is fully functional
2. Use the plate switch to toggle the power supply ON and OFF while checking for difference in picture quality. If there is no difference, continue with step 3.
3. Disconnect the cable from the antenna (ANT POINT in the image below), and check for +12 VDC at Test Point #1. If there is +12 VDC at Test Point #1, there may be a problem with the antenna.
4. If there is NO +12 VDC at Test Point #1, reconnect the cable to antenna. Remove the power supply from wall, and visually inspect for burnt/broken parts. If there are ANY broken/burnt parts, replace power supply.
5. Disconnect cable from antenna jack on power supply. Check for +12 VDC at Test Point 2. If +12 VDC is present, there is a problem with the cable connecting the power supply to the antenna. Repair or replace the faulty cable as required.
6. If +12 VDC is not present at Test Point # 2, ensure the green indicator light is ON. If not, check the polarity of the ground and +12 VDC source wires to make sure 12VDC is present. If there is still no +12 VDC, there is a power supply issue.





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Warranty Against Defects

1. WHAT THIS WARRANTY RELATES TO

1. This warranty covers goods supplied by Coast RV Pty Ltd T/A Coast to Coast RV Services ("Supplier") to the Client ("Goods") and relates to any defects in materials and workmanship under normal use and maintenance ("Defect").

2. WHAT THE SUPPLIER WILL DO TO HONOR THE WARRANTY

2.1 The Supplier will:

- (i) replace or repair the Goods or the defective part of the Goods free of charge;
- (ii) arrange for the Goods or the defective part of the Goods to be repaired or replaced by a qualified repairer free of charge.

2.2 The Supplier reserves the right to replace defective parts of the Goods with parts and components of similar quality, grade or composition where an identical part or component is not available.

2.3 Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods.

3. WHAT THE CLIENT MUST DO TO CLAIM THE WARRANTY

3.1 To claim the benefit of the warranty, the Client will need to (sequentially):

- (i) first contact the Supplier; and
- (ii) present the defective Goods to the Supplier for inspection, including inspection for defective workmanship, or otherwise provide evidence of the claimed Defect, accompanied by evidence of proof of purchase and date of delivery, and if applicable, evidence of maintenance performed in accordance with the relevant maintenance schedules.

3.2 The claim listed in clause 3.1 may be made in person, or the claim may be sent to the address listed on this form, including the particulars required under clauses 3.1(i) and 3.1(ii).

3.3 The appropriate form for making a claim for warranty is as attached.

4. DURATION OF WARRANTY

4.1 This warranty will cease:

- (i) where the Goods are purchased already fitted in or as a component of a vehicle or RV: from the date that is Three (3) years after the Client takes delivery of the vehicle or RV; and
- (ii) where the Goods are purchased separately or as an after-market item: from the date that is Three (3) years from the date of purchase.

4.2 If a Defect does not materialise in the Goods prior to the date provided in clause 4.1, the Supplier will have no liability to the Client under this warranty.

5. RESPONSIBILITY FOR COSTS OF CLAIM UNDER THIS WARRANTY

5.1 The Supplier is responsible for the costs directly associated with repairing or replacing the Goods in accordance with clause 2.1 only.

5.2 Any works required to be completed in addition to fixing the Defect are the responsibility of the Client. Additional works includes any costs associated with any testing or repair of the Goods or any goods to which they are fitted, undertaken by a third party in relation to any defect without prior authorisation from the Supplier.

5.3 Where it is determined that the Goods do not have a Defect, the Client will be charged a GST exclusive inspection fee of forty-five dollars (\$45.00AUD in Australia or \$45.00NZD in New Zealand) plus freight costs for the return of the Goods, this is subject to change without notice.

5.4 The cost of delivery and insurance of the Goods to and from the Supplier, travel costs to and from the Supplier, and the cost of inspecting and testing the Goods are the sole responsibility of the Client.

1. WARRANTY LIMITATIONS

1.1 The Supplier makes no warranties or representations other than those set out in this warranty document except as is required by law.

1.2 The Supplier will not be liable under this warranty:

- (i) to the Client or any other person for any consequential, direct or indirect loss, damage or costs incurred or suffered by the Client or any other person, including but not limited to damage to persons, other property, loss of turnover, loss of profits, loss of business or goodwill;
- (ii) to the Client for transportation or travel costs which are the Client's responsibility;
- (iii) for damage or defects in any Goods caused by improper transportation, storage or any other misuse, neglect or accident.
- (iv) for the installation of the Goods. Any fault or defect due to installation should be referred to the installer. The Goods must be installed in accordance with the Manufacturer's instructions and any relevant legislation or code.

1.3 This warranty covers the Client only and it is not transferable if the Goods are sold by the Client during the warranty period.

2. WARRANTY EXCLUSIONS

2.1 This warranty will not apply where:

- (i) the Goods have been improperly modified or repaired or the Good's defect has arisen due to the Client's failure to properly install, fit, maintain, service or use the Goods in accordance with the specifications and instructions provided by the Manufacturer, including a failure to comply with the relevant maintenance schedule (where applicable);
- (ii) the Supplier cannot establish any Defect in the Goods after testing;
- (iii) the Goods have been used other than for the purpose for which they were designed;
- (iv) the Goods have been subject to abnormal conditions, including but not limited to temperature, pressure, stress, load or similar;
- (v) the Client or installer have used or fitted non-genuine or non-approved parts and accessories to the Goods or have failed to use recommended parts and accessories;
- (vi) the Good's defect has arisen due to abuse, misuse, neglect or accident;
- (vii) the Goods have not been installed in accordance with the relevant instructions;
- (viii) the Good's defect is caused by use or fair wear and tear of the Goods (or expendable parts).

3. RIGHTS AT LAW

3.1 The benefits given to the Client under this warranty are in addition to other rights and remedies of the Client at law in relation to the Goods.

3.2 In Australia 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.

Warranty Claim Form

Warranty Providers Name	Coast RV Pty Ltd trading as Coast to Coast RV Services ABN 49 097 104 492 – ACN 101 461 330
Warranty Providers Address	PO Box 6287, Silverwater NSW 1811 Australia OR; PO Box 58-054 Botany AUCKLAND 2163 New Zealand
Client:	
Contact No.	
Description of Goods provided	
Receipt enclosed: (tick box)	☐ YES ☐ NO
Receipt No:	
Description of defects (Give as much detail as possible. Use a separate page if required)	
Date of purchase/services provided	

I hereby declare that the information provided above is true and correct and to the best of my knowledge and belief and I have complied with all the conditions of the warranty.

Signed:

Name:

(Please Print)

Dated:

Please note, the issue or completion of this form by the Client does not constitute an admission of liability by the Supplier.



Coast RV Pty Ltd

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