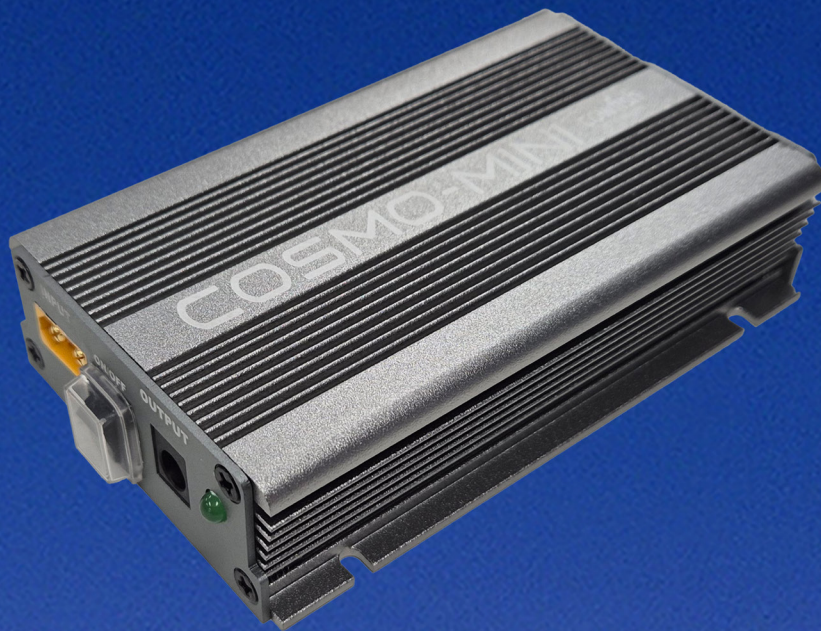


COSMO - MINI

User Manual and Installation Guide



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Caravan and Camping Technologies

cowfish.com.au

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PREFACE AND COPYRIGHT

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PACKAGE CONTENTS

Base package



COSMO Mini
power supply



power cable
50cm power lead
with XT60 connector

Optional extras



Cigarette plug power cable, or Anderson power cable
50cm power lead with XT60 connector



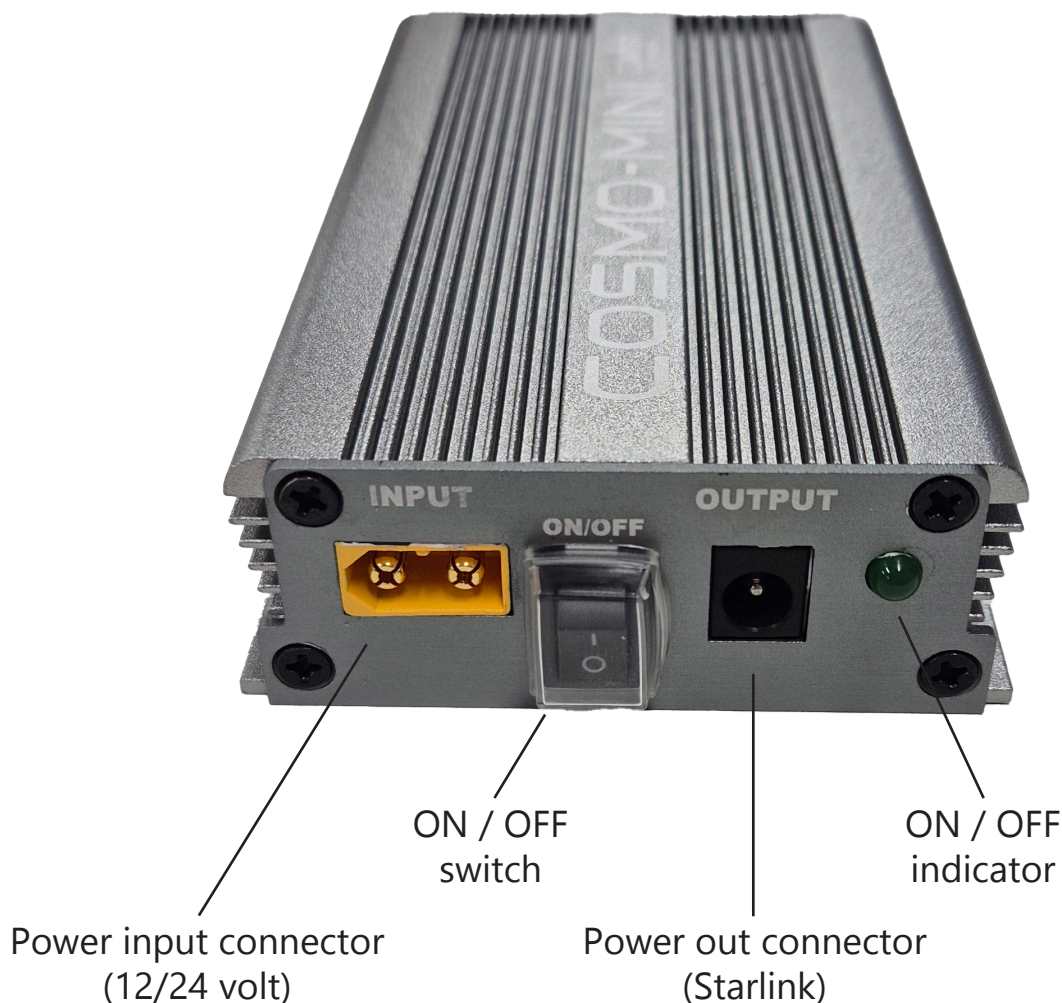
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INTRODUCTION

COSMO Mini is unique a solution for your Starlink Mini, allowing the user to operate the Starlink system directly off 12 volt. This removes the requirement to run an inverter to power the Starlink Mini, but instead powers the system directly from the caravan battery.

Through COSMO Mini, the user retains the ability to control the full Starlink system through the Starlink app.

HARDWARE OVERVIEW



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INSTALLATION

Installation of the COSMO Mini power supply

COSMO Mini is to be installed in a location that is easily accessible in order to connect the cable to the Starlink Mini and turn the unit on and off when required.

Mount the COSMO Mini and connect COSMO Mini to the caravans power supply. In order to supply adequate input power to COSMO Mini, a minimum of 14 AWG (2.5 mm²) electrical wire is required. This cable is to be correctly fused. Installation by a certified auto electrician is advised.

Connect the Starlink Mini cable into the power out point on the COSMO Mini and power up the COSMO Mini.

IMPORTANT: Insufficient power supply to the COSMO Mini power unit, due to inadequate cable size, long cable runs, or piggy backing of existing power outlets can result in the Starlink system not booting up. See Troubleshooting for more information.



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FREQUENTLY ASKED QUESTIONS

Do I need to run an inverter to power the Starlink system?

No, you will not need to run an inverter or have access to mains power (240V). COSMO Mini operates off your caravan 12V system, so that you can use it off grid, anywhere, anytime.

Do I need to modify the Starlink hardware?

No, there is no requirement to modify any of the Starlink components.

Can I still use the Starlink App when using COSMO Mini?

Yes, the easiest way to access the Starlink administration dashboard is through the Starlink app and this doesn't change when using COSMO Mini. The Starlink app is available for iOS and Android devices.

Can I connect the Starlink Mini dish to a VanConnect router?

Yes, you can connect the Starlink mini dish to the VanConnect unit through the WAN port. The IP range on the VanConnect will need to be changed in order to see the Mini dish. The default IP on the VanConnect is 192.168.1.1 and this is the same on the Starlink Mini dish, so there will be an IP conflict.

Log into the VanConnect unit and open up the "Network" menu and select "Interfaces". On this page select "edit" for the LAN interface and then change the IP to 192.168.2.1 and save and apply. The VanConnect will now reboot. As you have changed the IP of the VanConnect unit you now have to type 192.168.2.1 into the web browsers address bar if you want to log back into the VanConnect.

The VanConnect will automatically use Starlink for internet when the dish is online. When you then disconnect the dish it will automatically revert back to 4G/5G.



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TROUBLESHOOTING

The power LED does not light up.

If the power LED does not light up when the power switch is in the ON position, it means that there is no power coming to COSMO Mini. Please check the power cables and ensure that they are connected properly. Check if the power cables are fused, and if the fuse is still in working condition.

The Starlink Mini is not powering on.

Confirm that the Power LED in the Cosmo Mini is on.

Confirm that the power cable is properly connected to the Starlink Mini.

Ensure that the electrical cable size is adequate for the cable length.

Confirm that there is no damage to the Starlink Mini cable.



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TECHNICAL SPECIFICATIONS

Input power	DC12V / DC24V at max 4A
Output power	DC48V at max 2A
Max power rating	96W
Dimensions	123mm x 76mm x 28mm
Operating Temperature	-10 to 45°C
Storage Temperature	-20 to 70°C



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PRODUCT WARRANTY

At Cowfish Technologies Pty Ltd (Cowfish) we want our customers to be completely satisfied with their purchase. 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 Conditions

Cowfish offers the following warranty in relation to its goods.

The benefits of this warranty are in addition to any rights and remedies imposed by Australian State and Federal legislation that cannot be excluded. Nothing in this warranty is to be interpreted as excluding, restricting or modifying any State or Federal legislation applicable to the supply of goods and services which cannot be excluded, restricted or modified.

Cowfish warrants to the original purchaser that, subject to the exclusions and limitations below, all parts of the manufacture and assembly of the goods carried out by Cowfish will be free from defects in materials and workmanship for a period of 12 months from the date of purchase (Warranty Period).

This warranty is not transferable to a subsequent customer if the goods are sold by the original customer during the Warranty Period.

If a defect appears in Cowfish's manufacture or assembly of the goods before the end of the Warranty Period and Cowfish finds the goods to be defective in materials or workmanship, Cowfish will, in its sole discretion, either repair or replace the goods or the defective part of the goods free of charge, or provide a credit or exchange.

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

Where your rights under the Australian Consumer Law or this warranty do not apply, we may provide you with an indicative cost estimate to repair the goods.



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Damaged goods

If any goods arrive damaged, please contact Cowfish as soon as possible so a Return Authority Number can be arranged for the goods to be inspected.

Goods must be returned within a reasonable time. The acceptance of the goods delivered shall be deemed for all purposes to have taken place 30 days* from the date of delivery.

If a purchaser receives a product that is damaged in transit from Cowfish, the purchaser should: Refuse to accept delivery of the product; Direct the courier to "Return goods to sender"; and Notify the Cowfish Customer Service or Warranty Department immediately.

No goods will be accepted for return until a Return of Goods Authority Number has been supplied to you. Goods must be returned in the condition received by you with all original packaging, accessories and/ or manuals.

Returns and repairs

Goods returned for repair or credit will be assessed and repaired or replaced within a reasonable time. Credits will normally be processed within 14 days* of your goods being returned to Cowfish's nominated warehouse. Where goods have been assessed to be repairable under the manufacturers' warranty, you may be supplied with details of an authorised repairer. You may also be provided with an indicative repair and/ or replacement time, which may vary due to reasons beyond our control, or the repairer's reasonable control, such as part availability and incorrect fault description. Cowfish does not take any responsibility for any repairs and/ or replacements carried out without our prior written consent.

Where goods are assessed to have been damaged by misuse or accident, no credit will be issued and no further action will be entered into. Where your rights under the Australian Consumer Law or any manufacturer's warranty do not apply, we may provide you with an indicative cost estimate to repair the goods.

If a replacement item is required, Cowfish will require the location of the caravan and owners for the next 14 days to allow for pick, pack and postage. If the owners are traveling, Cowfish require next major town or city location. Otherwise, the warranty procedure as in place at present will remain.



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Replacement item warranty

Should a replacement item be supplied by Cowfish 'under warranty' due to damage or product failure of original item purchased, Cowfish will warrant the replacement item for the remaining warranty period only of the original item warranty.

Warranty Claims

If a fault covered by warranty occurs, the customer must first contact the Cowfish Customer Service or Warranty Department.

Any warranty claim must be accompanied by proof of purchase, full details of the alleged defect (including clear photos), and appropriate documentation (such as historical and maintenance records).

The customer must make the goods available to Cowfish or its authorised repair agent for inspection and testing.

If such inspection and testing finds no defect in the goods, the customer must pay Cowfish's usual costs of service work and testing. The customer must bear the cost of the transport of the goods to and from Cowfish or the authorised repair agent, and all insurance of the goods.

Goods returned for repair or credit will be assessed and repaired or replaced within a reasonable time.

Credits will normally be processed within 14 days* of your goods being returned to Cowfish's nominated warehouse. Where goods have been assessed to be repairable under this warranty, you may be supplied with details of an authorised repairer. You may also be provided with an indicative repair and/ or replacement time, which may vary due to reasons beyond our control, or the repairer's reasonable control, such as part availability and incorrect fault description. Cowfish does not take any responsibility for any repairs and/ or replacements carried out without our prior written consent.

If a replacement item is required, Cowfish will require the location of the caravan and owners for the next 14 days to allow for pick, pack and postage. If the owners are traveling, Cowfish require next major town or city location.

Limitations

Cowfish makes no express warranties or representations other than set out in this warranty.

The repair or replacement of the goods or part of the goods is the absolute limit of Cowfish's liability under this express warranty.



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