

# Mini Access Point

User Manual and Installation Guide



**cowfish**

Caravan and Camping Technologies

[cowfish.com.au](http://cowfish.com.au)

# MINI ACCESS POINT

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# MINI ACCESS POINT

Table of Contents	
PREFACE AND COPYRIGHT	2
PACKAGE CONTENTS	4
INTRODUCTION	5
HARDWARE OVERVIEW	5
INSTALLATION	6
CONNECTING TO THE WIRELESS NETWORK	9
ROUTER CONFIGURATION	10
HOW TO USE AND CONNECT TO VANCONNECT MEDIA STORAGE	17
TROUBLESHOOTING	30
TECHNICAL SPECIFICATIONS	33
PRODUCT WARRANTY	35



# MINI ACCESS POINT

## PACKAGE CONTENTS



Mini Access Point



Mounting Bracket



Power Cable



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# MINI ACCESS POINT

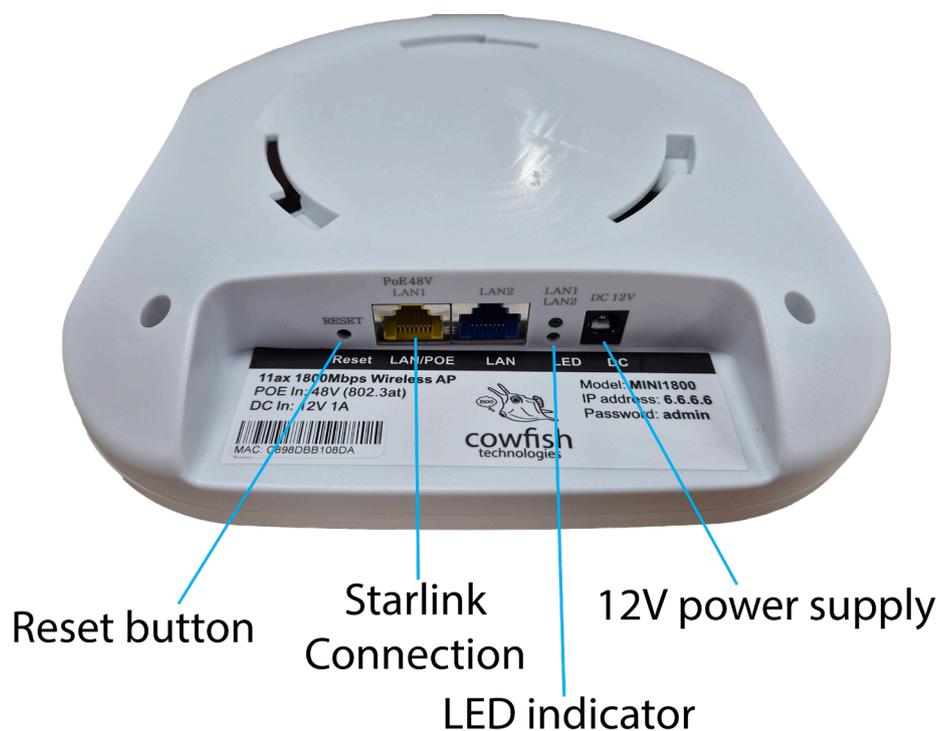
## INTRODUCTION

The superb WiFi range of the Mini Access Point will allow you to connect devices inside and outside of your caravan to the Internet. You won't need to worry about the insulation, cladding and frame of your caravan blocking the WiFi signal from the dish, or needing to put the Mini dish as close as possible to the caravan in order to connect to the WiFi network.

The Mini Access Point comes with WiFi 6 technology with a throughput of 1,800 Mbit per second. This is faster than the WiFi network sent out by the Starlink Mini dish, as that is only WiFi 5.

The Mini Access Point is specifically designed for your caravan. It uses a standard 12 volt power connection, meaning an easy installation in your caravan or camper. You simply install the Mini Access Point inside the caravan and link it to the Starlink Mini dish through our Mini Integration Kit.

## HARDWARE OVERVIEW



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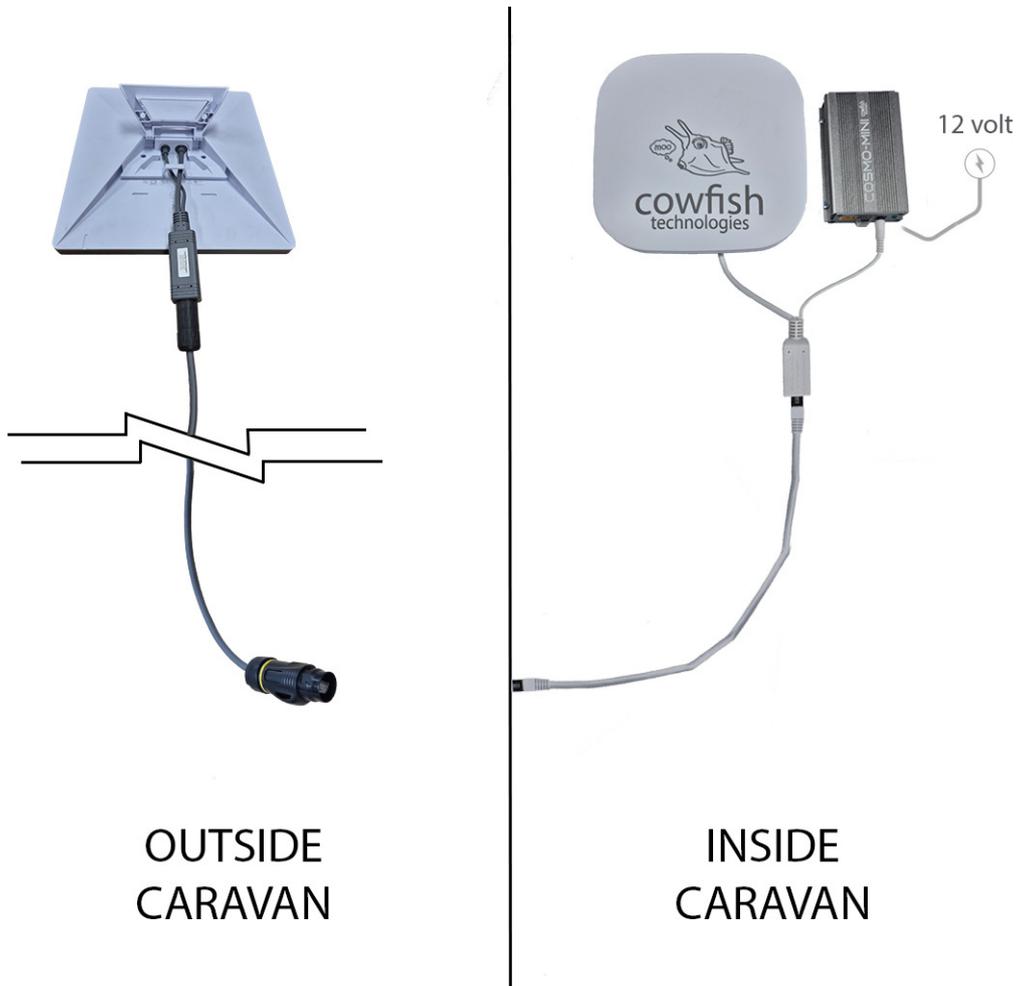
## INSTALLATION

The Mini Access Point is not a standalone product, but is to be installed in conjunction with a Mini integration Kit.

The Mini Access Point mounting bracket is secured against a wall with the included screws. The Mini Access Point can then be secured to the mounting bracket by aligning the tabs of the mounting bracket with the holes on the Mini Access Point, and gently turning the unit until it locks in place.

The Mini Access Point is connected to power with the included 12V cigarette style socket.

The Mini Integration Kit is then connected to the Mini Access Point. Please refer to the Mini Integration Kit installation manual for further details.



# MINI ACCESS POINT

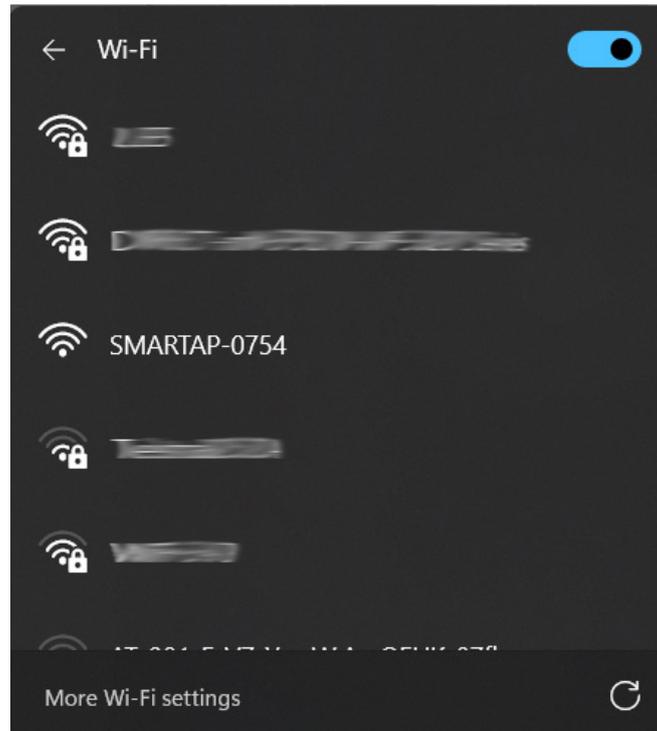
## CONNECTING TO THE WIRELESS NETWORK

Connect via WiFi using the SSID (WiFi name) or through Ethernet via the LAN port on the back of your router.

The default SSID of the device is "SMARTAP-XXXX" (XXXX are the last 4 digits of the MAC address, printed on the back of the device. The wireless network is not encrypted by default. Details for this are in the '**set the wireless password**' section.

To find and connect to the WiFi network:

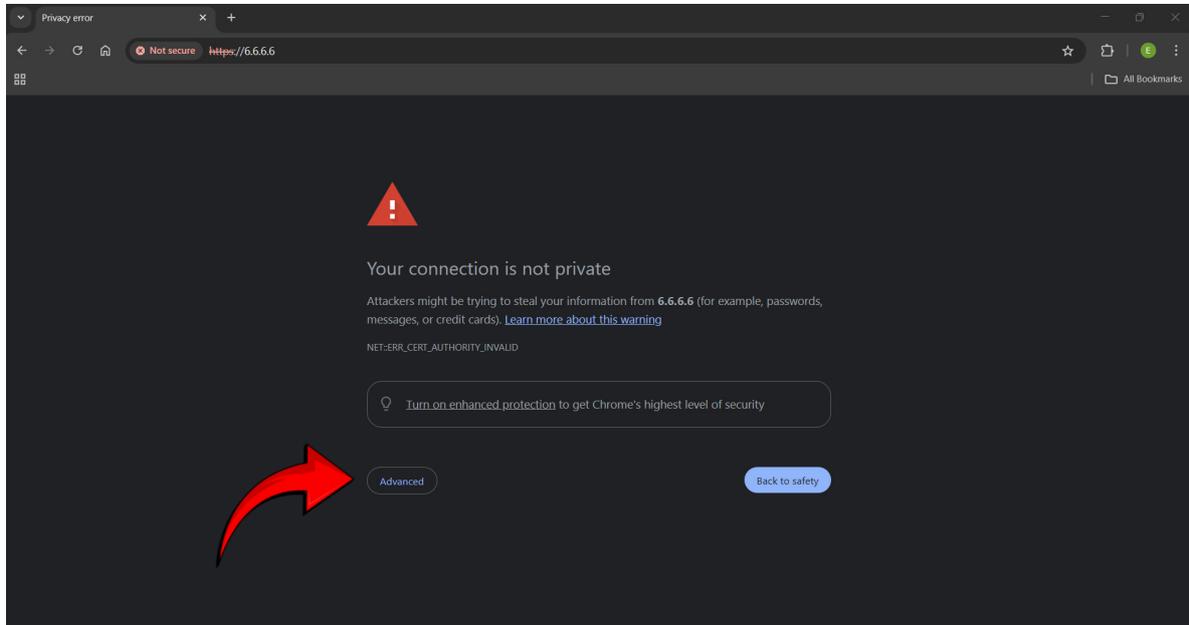
1. Make sure that the Mini Access Point is powered on and the status light in green.
2. Check to make sure that WiFi is enabled on your computer or mobile device and search for WiFi networks.
  - a. Windows computer: Click the Internet Access icon, which is usually found on the bottom right side of your screen.
  - b. Mac computer: Go to the WiFi menu and select Network.
  - c. Mobile devices: Go to the Settings menu and tap the WiFi icon.
3. Select the WiFi name for your Mini Access Point.
4. Enter the WiFi password. This is only required after you set up a password.



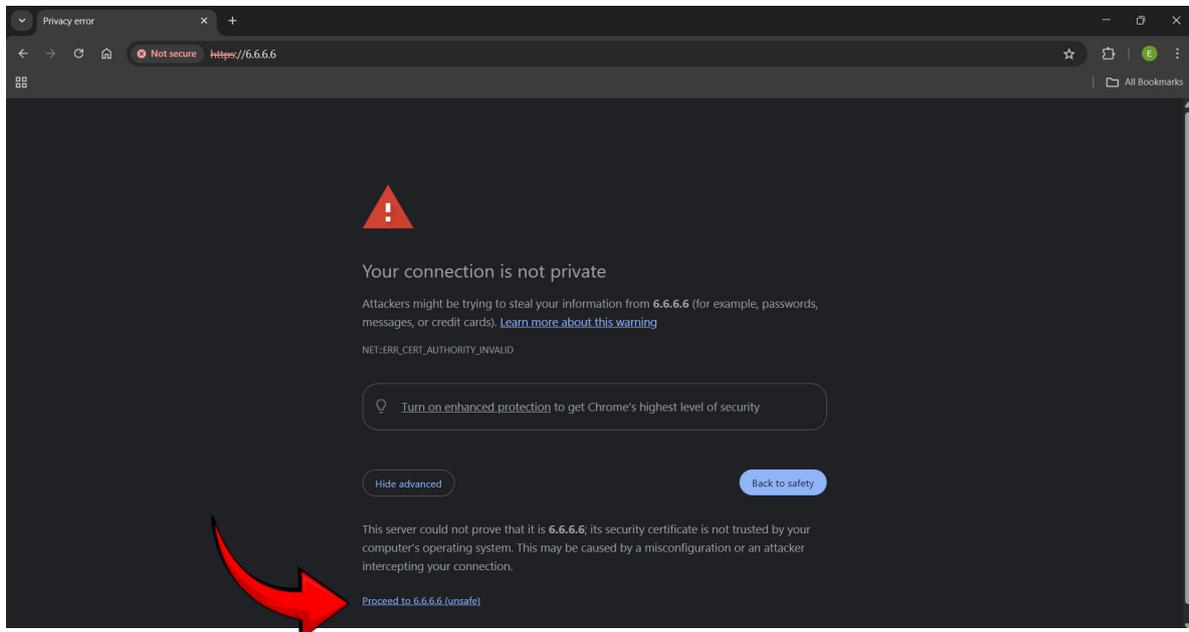
# MINI ACCESS POINT

## ACCESS POINT CONFIGURATION

To access the configuration utility, open a web browser such as Internet Explorer, Microsoft Edge or Google Chrome and enter the address of the Access Point (6.6.6.6 by default).

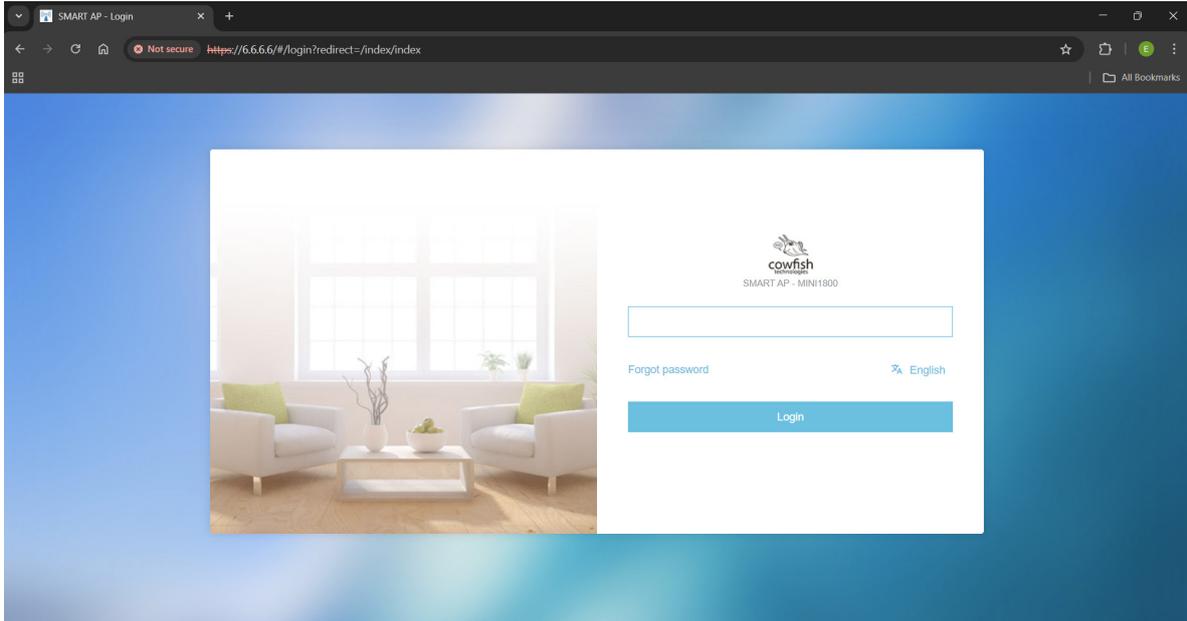


Some web browsers might show that the connection is not secure. In this case click on 'Advanced' and then on 'Proceed to 6.6.6.6 (unsafe)'



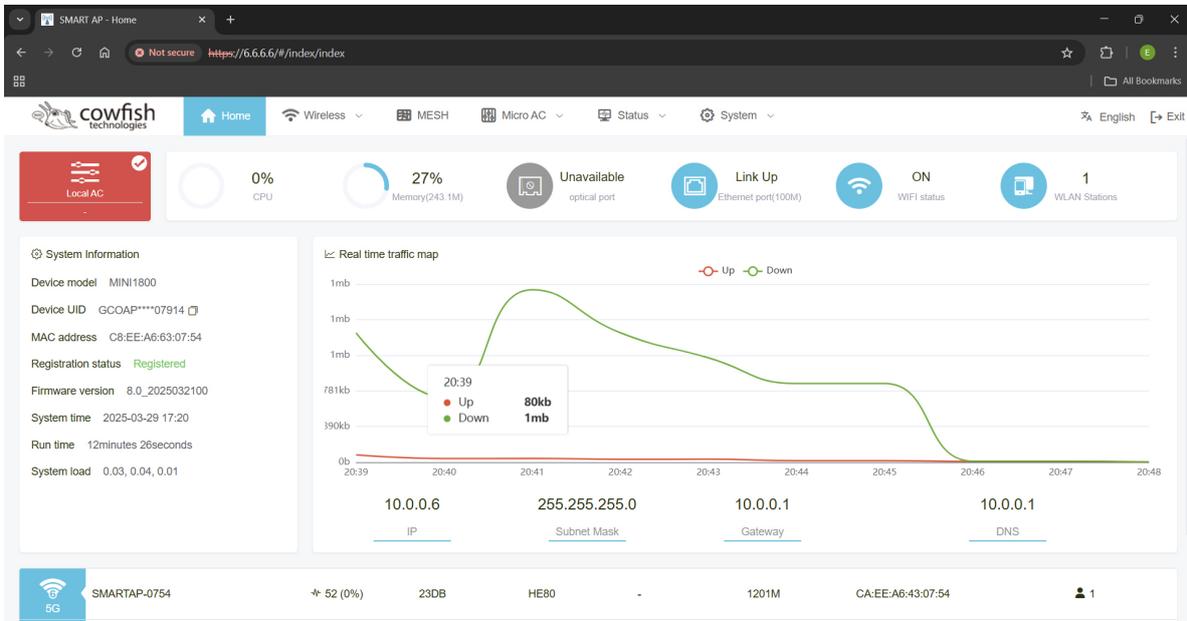
# MINI ACCESS POINT

You will be presented with a login screen. The default login password is "admin".



Note: If you get a "Page cannot be displayed" error, please refer to the Troubleshooting section for assistance.

Once you have successfully logged in, you will see the Access Point home page. On this page you can view information about your Internet connection, the WiFi status and system information

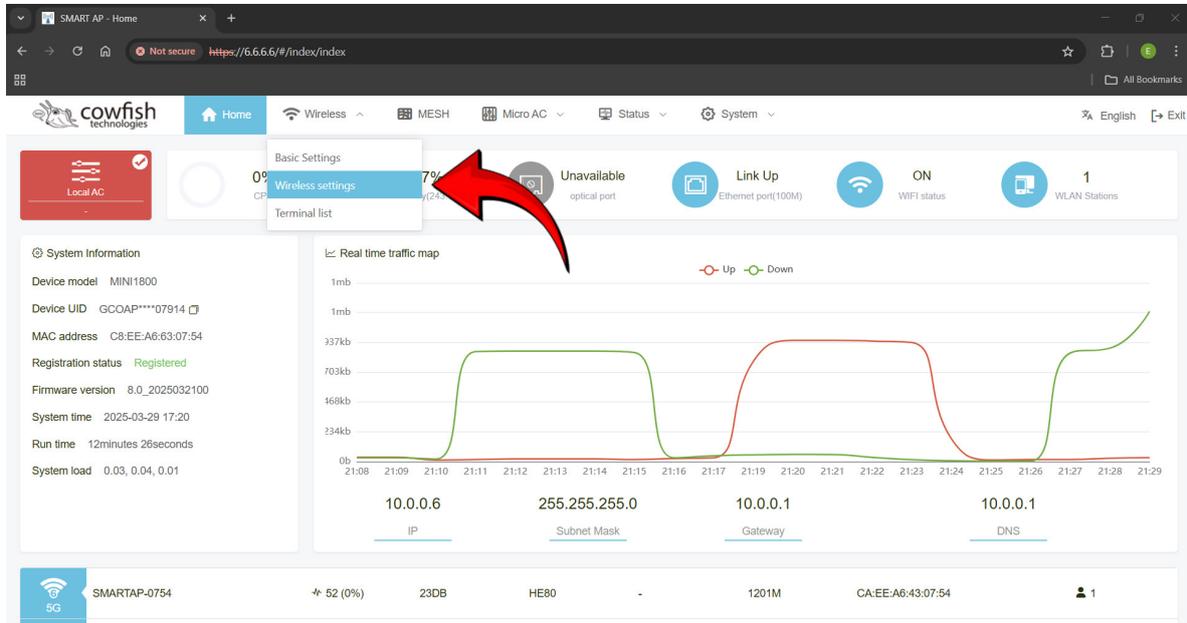


# MINI ACCESS POINT

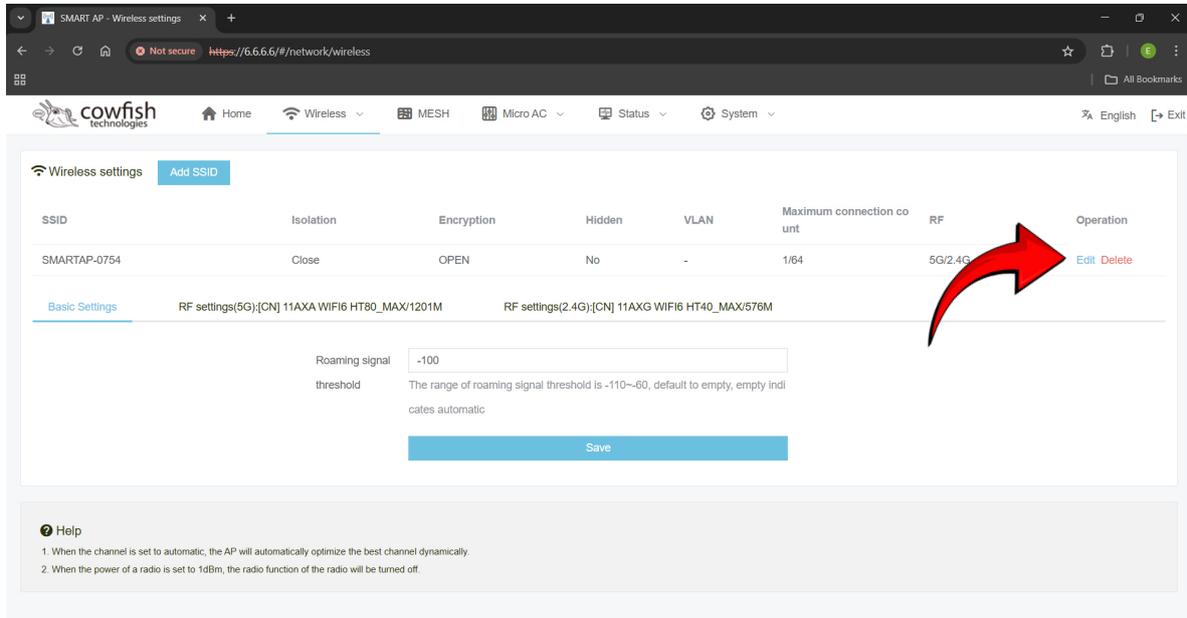
## Set the wireless network

The wireless name and password are not set by default. It is recommended that you change the wireless name and password for your network security.

Click "Wireless" > "Wireless Settings" to enter the wireless configuration page.

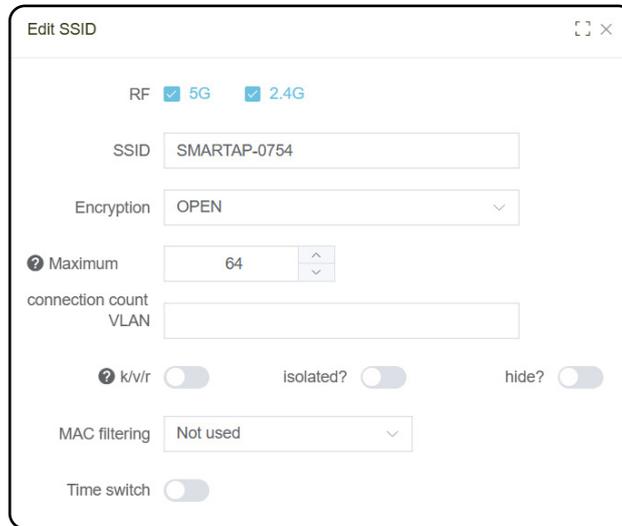


The "Wireless Settings" will open up for you. On this page select 'Edit' to configure the Wireless network.

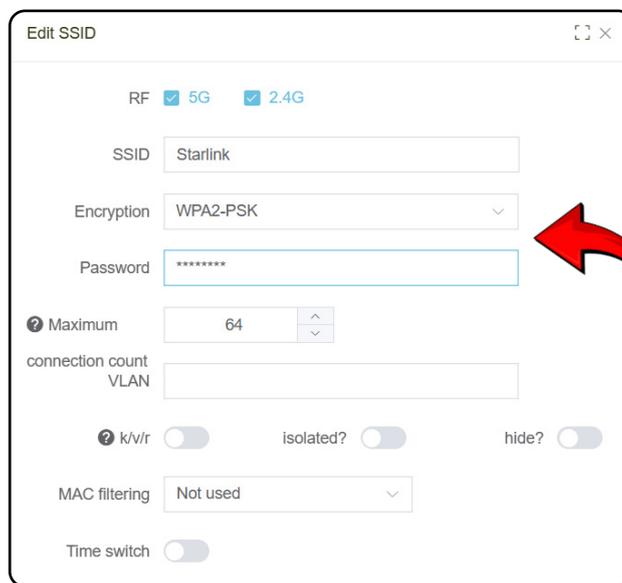


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The default WiFi name (SSID) of the device is "SMARTAP-XXXX" (XXXX are the last 4 digits of the MAC address, printed on the back of the device). It is recommended to change the name of the Wireless Network to the same name as that of the Starlink Mini dish.



After the SSID has been entered it is time to setup the security. Click on the encryption dropdown box and select "WPA2-PSK". After this you can set the Password for the WiFi network. It is advised to enter the same password as what you have selected for that of the Starlink Mini Dish.



By setting the same WiFi name and password on the Access Point as the Starlink Mini Dish, all connected devices can seamlessly transition between the two WiFi networks, generated inside and outside the caravan.



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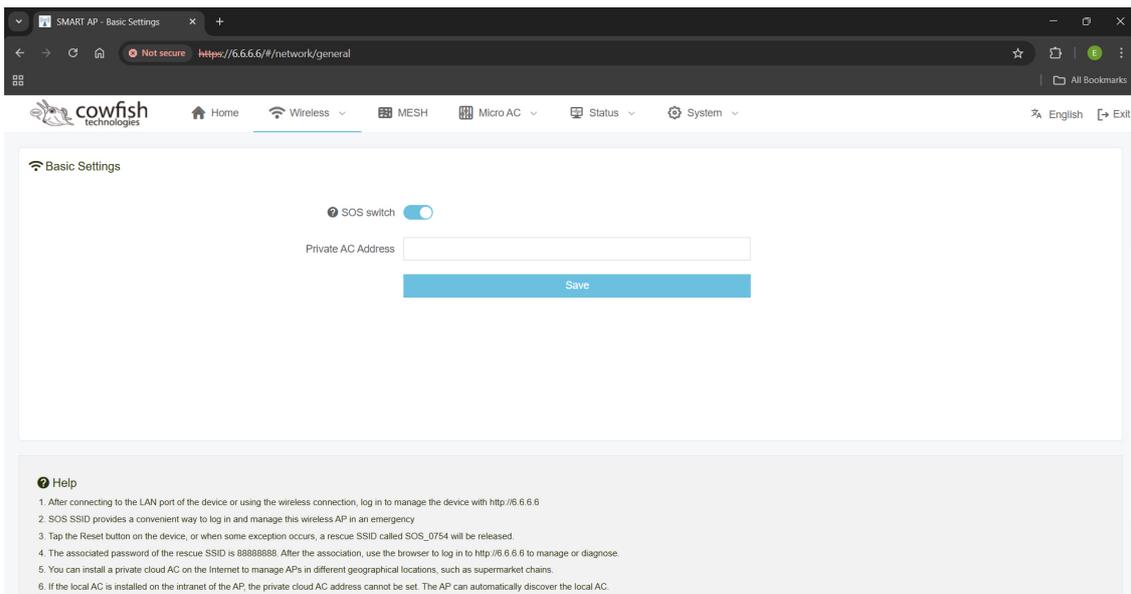
## SOS WiFi network

The Mini Access Point comes with a built in SOS WiFi function, in case you have forgotten the WiFi password and thus you are unable to log in to the device.

To use the SOS WiFi function you require to quickly press and release the "Reset" button on the Mini Access Point. This will enable the SOS WiFi network. The WiFi name for the SOS network is SOS\_XXXX (XXXX are the last 4 digits of the MAC address) and the password is "88888888". Through the SOS WiFi network you are able to log in to the device and amend the Wireless network name and password.

After power cycling the device the rescue WiFi network will be turned of again.

If you want to permanently disable SOS WiFi function navigate to "Wireless" > "Basic Settings" and toggle the SOS switch to the "OFF" position.



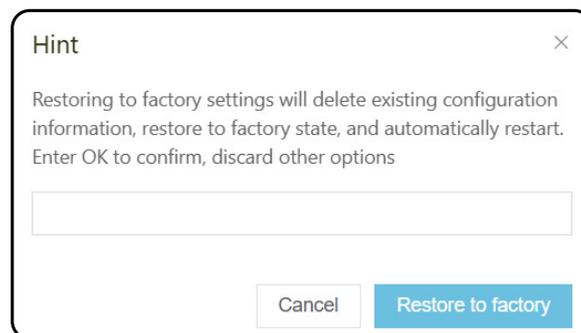
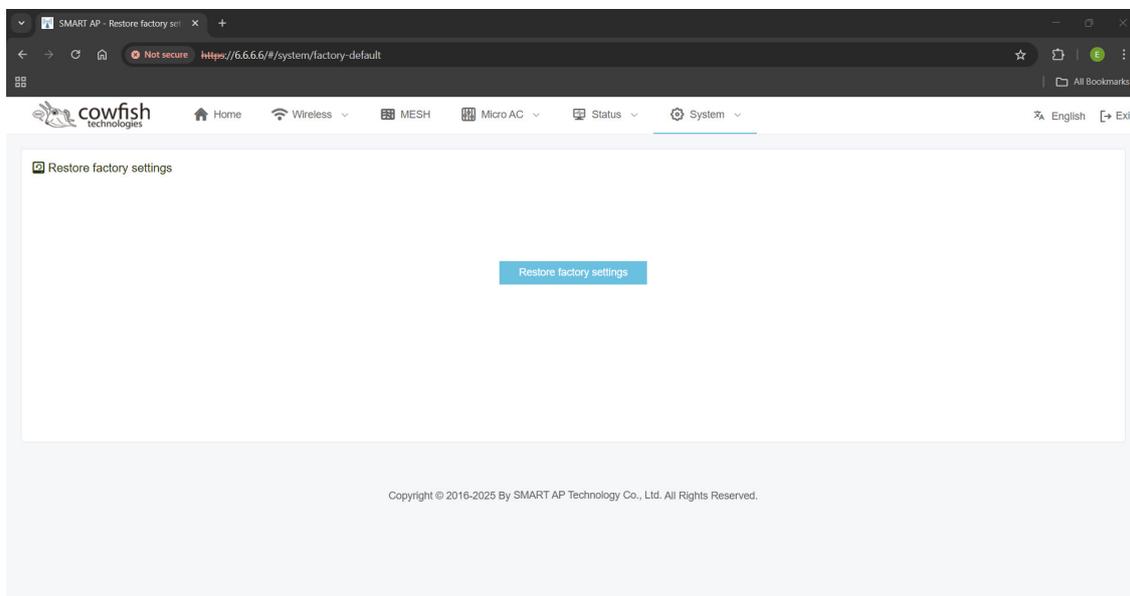
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## Factory reset

It is only required to complete a factory reset if you have forgotten the administration password, or if there are device configuration issues that you are unable to resolve.

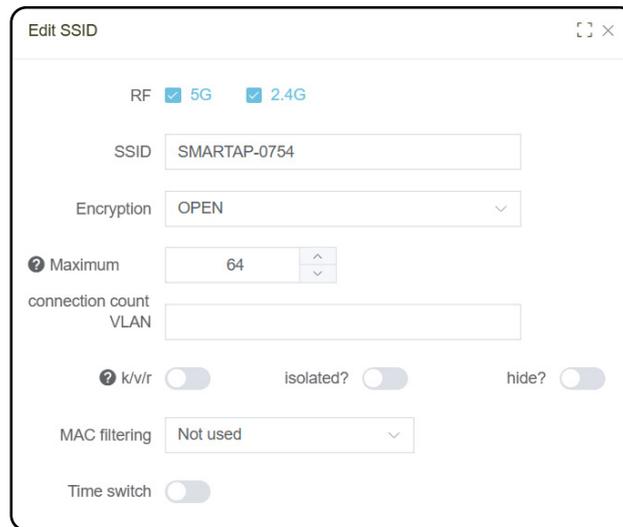
Method 1: After the device is powered on, use a toothpick or similar, and press the Reset button down and hold it for at least 5 seconds. Release the Reset button and wait for the device to restart.

Method 2: In the configuration utility select "System" > "Restore Factory Settings", then click the "Restore Factory Settings" button, next you will see a dialog box "Hint". Enter "OK" in the text box and select "Restore to factory".



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## ADVANCED WIFI SETTINGS



The screenshot shows the 'Edit SSID' configuration window. At the top, there are radio buttons for 'RF' with '5G' and '2.4G' options checked. Below that is a text field for 'SSID' containing 'SMARTAP-0754'. The 'Encryption' dropdown is set to 'OPEN'. A 'Maximum' connection count is set to '64'. There are fields for 'connection count' and 'VLAN'. Three toggle switches are present: 'k/v/r' (off), 'isolated?' (off), and 'hide?' (off). The 'MAC filtering' dropdown is set to 'Not used'. At the bottom, there is a 'Time switch' toggle (off).

k/v/r refers to a set of Wi-Fi standards designed to improve roaming, allowing devices to seamlessly switch between access points (APs) with minimal disruption. This should only be enabled if multiple Mini Access Points are in use.

Isolated is a feature that prevents devices connected to the Mini Access Points WiFi network from communicating directly with each other, enhancing network security and protecting against potential attacks.

Hide will hide the SSID name.

MAC filtering can be used to set access levels (accept or deny) based on a device MAC address.

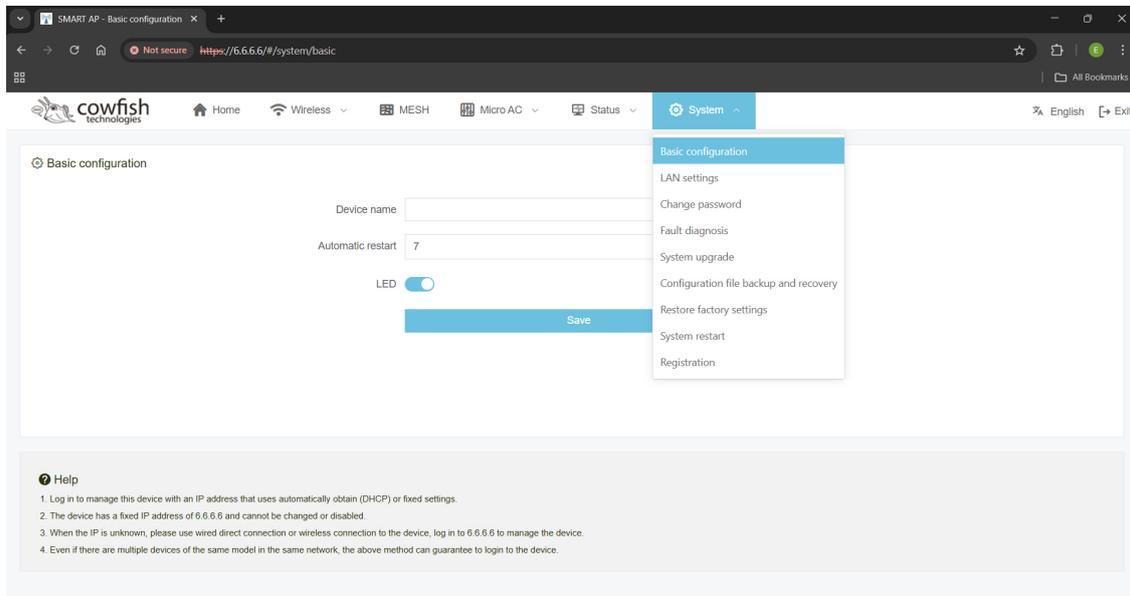
Time switch can be used to automatically turn the Mini Access Point on and off.



# MINI ACCESS POINT

## ADVANCED SYSTEM SETTINGS

Warning: these Advanced Settings allow you to make changes to the functionality of the Mini Access Point and should be approached with caution. Incorrect changes can impact the performance or security of the Mini Access Point and can even render the unit inoperable.



### Basic Configuration

On this page you can set the Device name, set the automated restart interval and turn the LED on and off.

### LAN Settings

Here you can set the Access Point to automatically obtain an IP address and expand the network based on the Starlink Mini dish, or you can manually set the LAN configuration.

### Change Password

This is where you can change the default password for the Mini Access Point from 'admin' to a password of your choosing.

### Fault Diagnostic

Here you can perform an automated self test on the unit.



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## System Upgrade

On this page you are able to upgrade the firmware, when upgrades become available on the Cowfish website.

## Configuration File Backup and Recovery

Here you can download the configuration file as a backup and later restore these settings back onto the Mini Access Point.

## Restore Factory Settings

This will reset the Mini Access Point back to its default configuration.

## System Restart

This reboots the Mini Access Point.

## Registration

The Mini Access Point can be registered to a network and managed through a third party management portal.



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## FREQUENTLY ASKED QUESTIONS

### **What is the Web management IP address and default admin password?**

The router's management IP address is 6.6.6.6, the default administrator password is "admin".

### **How do I restore the router to factory settings?**

When the system is in normal operation, press the router's "Reset" button with a sharp point for at least 5 seconds, then release it. Wait for 30 seconds as the device erases the settings and performs a factory reset.

### **What if I forget my router admin password?**

The router's default administrator user password is "admin". Try logging in using the default password. If you cannot log in with the default password, please restore the router to factory settings, then log in with the default password.



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## TROUBLESHOOTING

### **I can't connect to the WiFi.**

There are a couple of causes that may have made this happen.

- The WiFi may have been accidentally deleted during the set-up phase. You will need to do a factory reset. See factory reset section.
- You have entered an incorrect password when setting the WiFi password through the configuration utility. You will need to do a factory reset. See factory reset section.
- You have set the security to WPA2, but your device is only able to connect via WPA. You will need to revert to WPA security, or use WPA/WPA2 mixed mode.

If you are experiencing problems connecting to the mobile router, try the following suggestions:

- Turn off your device, wait 10 seconds, and turn your device on.
- Restart your computer.
- Turn off or temporarily disable any security programs or firewalls.
- If possible, try using another computer or mobile device to connect to your mobile hotspot. If you can, then the problem is with the device that cannot connect, not the mobile hotspot.

### **I cannot access the Internet.**

If you are connected to the WiFi network but cannot connect to the Internet, try the following suggestions:

- Make sure that your Starlink subscription is active.
- Review the Starlink app to see if there is a network outage or obstruction.
- Wait for two minutes for the Mini Access Point to initialize after a reboot or startup.
- Switch your Mini Access Point off and on and restart your computer or WiFi device.

### **My WiFi password is not being accepted.**

There are a couple of causes that may have made this happen.

- Your WiFi password is case sensitive and must be a minimum of 8 characters.
- You have entered in incorrect password when setting the WiFi password through the configuration utility.



# MINI ACCESS POINT

## **I have forgotten my admin login password.**

If you changed the admin login password and cannot remember the password that you created, you must reset the Mini Access Point back to factory defaults. For information about how to reset to factory default settings, see the Factory Reset section.

## **The WiFi network name is not in the list of networks.**

If you do not see the Mini Access Point's WiFi networks from your computer or mobile device, try these suggestions:

- Refresh the list of networks.
- Reboot the Mini Access Point.



# MINI ACCESS POINT

## TECHNICAL SPECIFICATIONS

Ethernet	2x Gigabit (10/100/1000mbps)
WiFi Standard	WiFi 6
WiFi Frequency	2.4GHz and 5GHz
WiFi Antenna Gain	8dBi
Encryption	WPA2 / WPA1
Input power	DC12V at 1A max
Dimensions	190mm x 190mm x 50mm
Operating Temperature	-10 to 55°C
Storage Temperature	-40 to 80°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 24 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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