



# RV WI-FI +

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**Installation Guide  
and User Manual**

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**2017**



# Welcome

## Congratulations on your purchase of an RV Wi-Fi Router.

This purchase will give you greater freedom to enjoy your travelling without sacrificing the lifestyle that the internet provides.

### The great features that are included in this unit are:

- Wi-Fi for your RV;
- Specially designed software for Recreational Vehicles;
- 12 volt power connection;
- Enhanced reception with our optional external antenna;
- Easy installation;
- Industrial Grade 3G/4G capability;
- Optimised for Telstra, but will also work with most Australia Mobile Carriers;
- A built in media centre, allowing you to insert a hard drive or USB and share movies, images or music over multiple devices;
- Works on Mobile and Pre-Paid Plans;
- Lets you set your own password;
- Improved Wi-Fi performance with two Wi-Fi antenna's;
- 3G and 4G antennas for greater mobile coverage;
- Wi-Fi access for the family whilst towing your caravan;
- A **'Hot Spot'** that stays with the caravan when your phone moves away;
- Access the internet from multiple devices.

**The following steps are designed to get you started and on the road with ease.**

# What makes up your RV Wi-Fi+?

There are four components:

## 1. RV Wi-Fi+ Router



## 2. Power Adapter



## 3. Telstra Sim



## 4. External Antenna/bracket

(optional)



# Installing your RV Wi-Fi+

In most cases, your manufacturer will install your RV Wi-Fi for you. But if you are looking at installing yourself, please follow the steps below.

There are two methods available:

- An external antenna fitted to the outside of the RV.
- No external antenna.

## Installing your RV Wi-Fi+ using the external antenna

### Set up for use with external antenna

- |   |   |
|---|---|
| 1 | Choose a position for RV Wi-Fi+ Router adjacent to a 12v power point;                                   |
| 2 | Pre wire external antenna and mount on roof using bracket provided;                                     |
| 3 | Screw into place on router: 4G antenna cable into <b>'4G/External'</b> point;                           |
| 4 | Screw into place on router: 3G antenna cable into <b>'3G/External'</b> point;                           |
| 5 | Screw into place on router: Wi-Fi antenna cable into <b>'Wi-Fi/External'</b> point;                     |
| 6 | Attach single antenna to router into <b>'Wi-Fi'</b> point - the remaining black antenna are now spares; |
| 7 | Plug the power adapter into the power jack of the RV Wi-Fi+ Router;                                     |
| 8 | Place the power cord into the 12v power point;  |
| 9 | Ensure the <b>'Power'</b> light is on.  |





To external antenna

9V



RV WI-FI+

- 1454
- 1458
- 1462
- 1459
- Wi-Fi
- 3G



Insert Sim card  
as shown



To external antenna



To external antenna

# Installing your RV Wi-Fi+ without the external antenna

## Set up for use with NO external antenna

- 1 Choose a position for RV Wi-Fi+ Router adjacent to a 12v power point;
- 2 Screw the four black antenna into the four points - Wi-Fi/ 4G/ 3G/ Wi-Fi. Look for male/female connection points.
- 3 Plug the power adapter into the power jack of the RV Wi-Fi+ Router;
- 4 Plug the power adapter into the power jack of the RV Wi-Fi+ Router;
- 5 Place the power cord into the 12v power point;
- 6 Ensure the '**Power**' light is on.



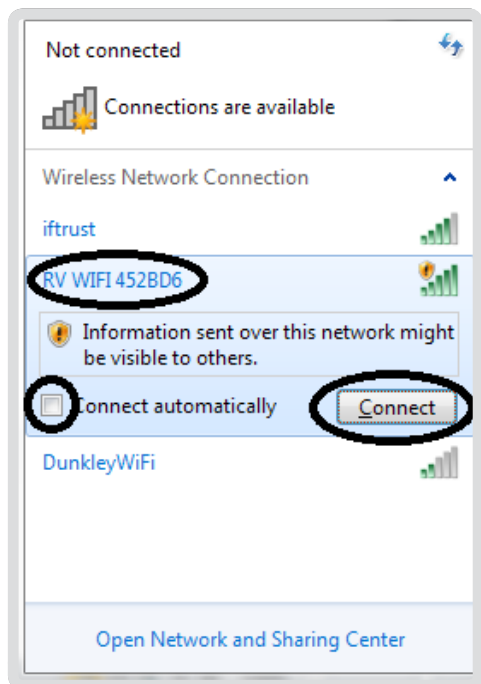
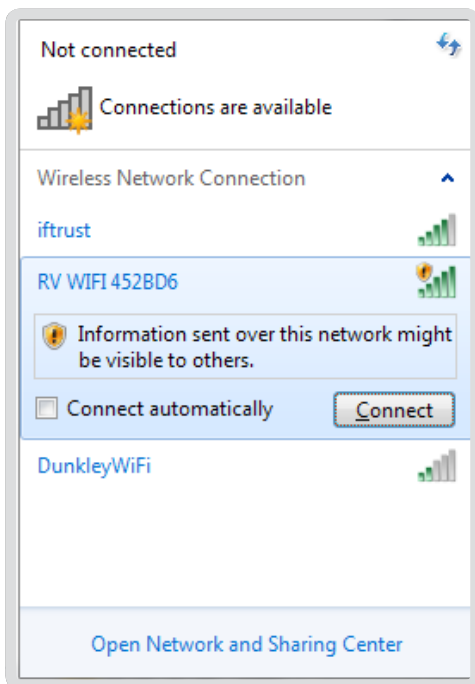
## Turning on your RV Wi-Fi+ Router

- 1 Place the end of the power adapter into the '**Power**' slot.
- 2 Push the '**On**' Button.



# Connection to the RV Wi-Fi+ Router

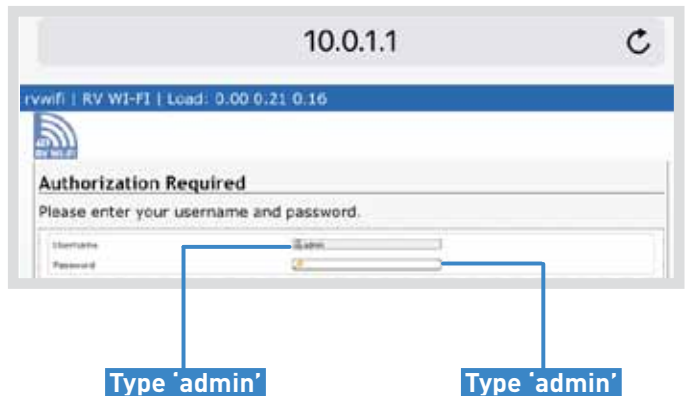
- 1 Turn on the device/s that you wish to connect to the Internet
- 2 Click on the **'Settings'** or equivalent page on your device.
- 3 Click on the **'Wi-Fi'** heading and choose the wifi to work RV WIFI abc123  
**NOTE:** "abc123" varies on each unique router.
- 4 Click the **'Connect Automatically'** Box
- 5 Click **'Connect'**,
- 6 When prompted enter the Wi-Fi password **'rvwifi1234'**



# Setting your Wi-Fi+ Password.



1. Open the web/internet browser on your device and enter the address `http://10.0.1.1` into the 'search' bar.



2. You are about to enter the username and password.  
You MUST enter the username "admin" and the password "admin". Failure to do so will result in router requiring resetting.



3. Select/click on the following:

1. Network.
2. WiFi.

rvwifi | RV WI-FI | Load: 0.07 0.17 0.16 | Auto Refresh: on Changes:

**RV WI-FI**

Status | System | Services | **Network** | Logout

Interfaces | **Wifi** | DHCP and DNS | Hostnames | Static Routes | Firewall | Diagnostics

radio0: Master "RV WIFI 0F7314"

### Wireless Network: Master "RV WIFI 0F7314" (radio0.network1)

The *Device Configuration* section covers physical settings of the radio hardware such as channel, transmit power or antenna selection which are shared among all defined wireless networks (if the radio hardware is multi-SSID capable). Per network settings like encryption or operation mode are grouped in the *Interface Configuration*.

**Device Configuration**

General Setup | **Advanced Settings**

Status 🔴 **SSID:** RV WIFI 0F7314 | **Mode:** Master  
0% *Wireless is disabled or not associated*

Wireless network is enabled 🔴 **Disable**

Channel 11 (2.462 GHz) ▼

Transmit Power 20 dBm (100 mW) ▼

🔵 dBm

3. Edit

rvwifi | RV WI-FI | Load: 0.74 0.65 0.29 | Auto Refresh: on Changes:

**RV WI-FI**

Status | System | Services | **Network** | Logout

Interfaces | **Wifi** | DHCP and DNS | Hostnames | Static Routes | Firewall | Diagnostics

radio0: Master "RV WIFI 0F69F0"

### Wireless Overview

**Generic MAC80211 802.11bgn (radio0)** 🔍 Scan + Add

**SSID:** RV WIFI 0F69F0 | **Mode:** Master  
0% *Wireless is disabled or not associated* 🟢 Enable **🔧 Edit**

# Setting your Wi-Fi+ Password.

4. Go to the 'Interface Configuration' Section.
  - Click on 'Wireless Security'.
  - Click on drop down menu next to 'Encryption'.
  - Change from 'No Encryption' to 'WPA-PSK/WPA2-PSK Mixed Mode'.
  - In the **Key box**, type **your new password - your choice!**
  - Click on 'Save and Apply'.
  - Now you need to **close** your internet browser, then **reconnect using your new password.**

The screenshot shows the RV Wi-Fi configuration interface. At the top, there is a navigation menu with tabs for Status, System, Services, Network, and Logout. Below this, there is a sub-menu with tabs for Interfaces, Wifi, DHCP and DNS, Hostnames, Static Routes, Firewall, and Diagnostics. The main content area is titled "radio0: Master 'RV WIFI 0F7314'" and "Wireless Network: Master 'RV WIFI 0F7314' (radio0.network1)".

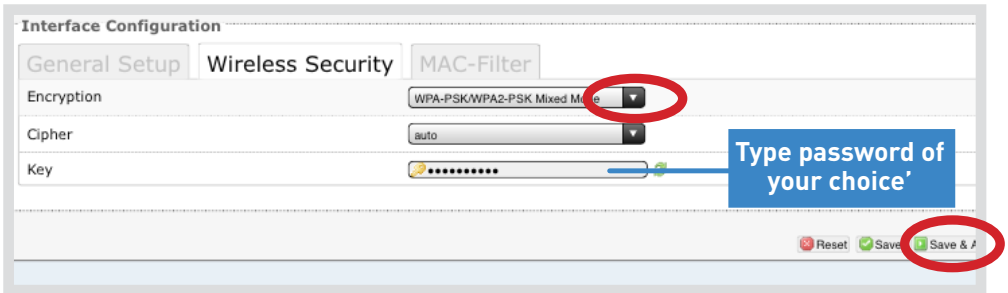
The "Device Configuration" section is active, with "General Setup" and "Advanced Settings" tabs. The "General Setup" tab is selected, showing the following settings:

- Status: **SSID: RV WIFI 0F7314 | Mode: Master**  
0% Wireless is disabled or not associated
- Wireless network is enabled: **Disable**
- Channel: **11 (2.462 GHz)**
- Transmit Power: **20 dBm (100 mW)**  
dBm

The "Interface Configuration" section is also visible, with "General Setup", "Wireless Security", and "MAC-Filter" tabs. The "Wireless Security" tab is selected, showing the following settings:

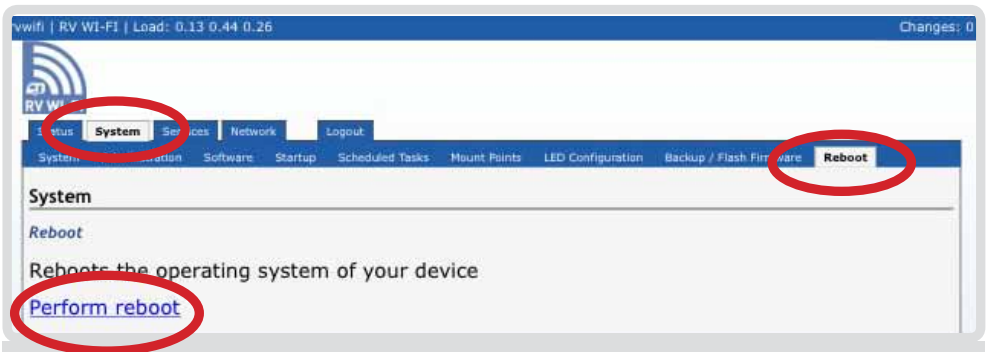
- Encryption: **WPA-PSK/WPA2-PSK Mixed Mode**
- Cipher: **auto**
- Key: **\*\*\*\*\***

At the bottom right, there are buttons for "Reset", "Save", and "Save & Ap".



5. Last step is to 'Reboot'; click on the following:

- System
- Reboot
- Perform Reboot



# How to Activate the Telstra Pre-Paid Service

The orange Telstra satchel contains your Telstra Sim Card. You need to activate this and add credit to it to finish the set up stage of your RV Wi-Fi unit.

Activate your Telstra Sim Card	
1	Have your driver's licence handy
2	Use the Service Number located on the rear bottom space of the Telstra Satchel.
3	Open your browser and go to <a href="http://www.telstra.com/activate">www.telstra.com/activate</a>
4	Follow the Telstra prompts for activation.
5	Once complete, a router restart may be necessary.

**You are now ready to go. Enjoy!**

For providers other than Telstra please look on their packaging for instructions to activate. Below are links to **Optus, Vodafone and Virgin**.

**Optus** can be activated by going to [www.optus.com.au/customercentre/activateprepaid](http://www.optus.com.au/customercentre/activateprepaid)

**Vodafone** can be activated by going to [www.vodafone.com.au/activate](http://www.vodafone.com.au/activate)

**Virgin** can be activated by going to [www.virginmobile.com.au/activate](http://www.virginmobile.com.au/activate)

For **other providers**, please see your Sim card documentation.

## Warranty Registration

Please complete your Warranty Registration by going to:

**[www.rvwifi.com.au/warranty-registration](http://www.rvwifi.com.au/warranty-registration).**

Your serial number for your RV Wi-Fi unit is located on the outside of the box, and on the rear of your RV Wi-Fi unit.

# Need help?

For help with your RV Wi-Fi unit please go to:

[www.rvwifi.com.au/contact-2](http://www.rvwifi.com.au/contact-2) and a service agent will be in touch.

## Factory Reset

**WARNING:** This procedure will reset all of the settings applied to this router, back to original factory settings, and your passwords will be forgotten. Use this procedure if errors are occurring that may be related to unknown settings.

Once you have followed the steps below, please follow the User Manual to set up a new password. A downloadable version of this can be found on our website: [www.rvwifi.com.au](http://www.rvwifi.com.au).

Please note, this does not impact any Telstra data usage or activation.

### Steps

Follow these steps below to return your RV Wi-Fi router to the factory settings.

1. Open the web/internet browser on your device and enter the address **http://10.0.1.1** into the 'search bar'.



<http://10.0.1.1>

2. Enter the username 'admin' and the password 'admin'.

rvwifi | RV WI-FI | Load: 0.00 0.21 0.16

**Authorization Required**

Please enter your username and password.

Username

Password

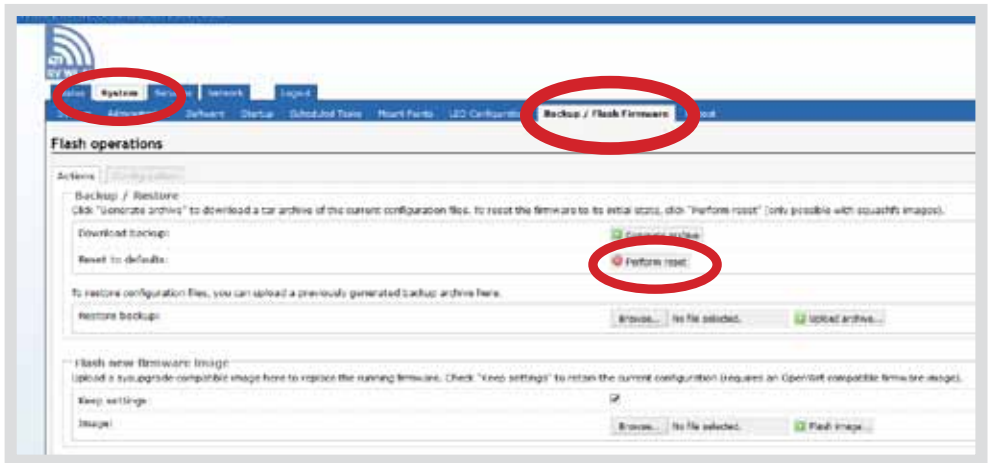
Reset Login

Type 'admin'

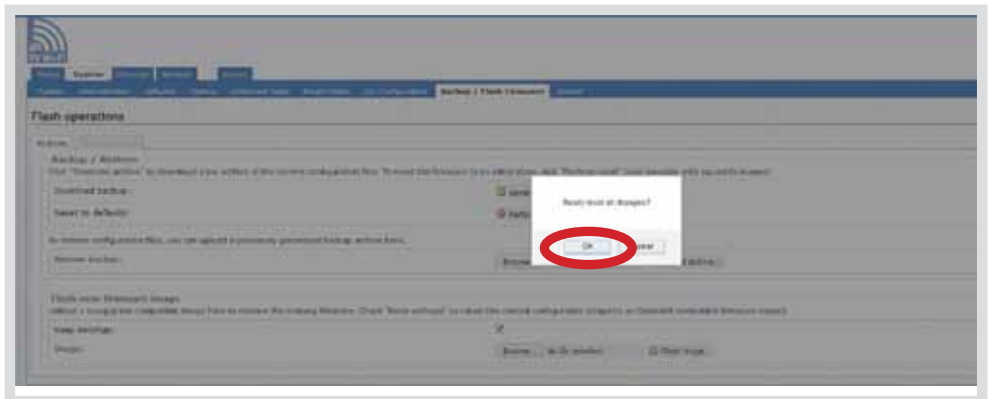
Type 'admin'

3. Select/click on the following:

- System.
- Backup/flash firmware.
- Perform Reset.



4. Select/ click 'OK' button.



# Frequently asked questions

## What do I do if I can't connect to the Wi-Fi?

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

1. Your Wi-Fi may have been accidentally deleted during the set up phase. You need to insert an ethernet cable into the side of your router - into one of the yellow slots, and connect it to a device like a laptop. Then follow the **'Factory Reset'** part of the manual and proceed through the steps.
2. You have entered your own password into **'setting the Wi-Fi password'** point 2, instead of entering **'admin'** in both boxes. To fix this you need to go the **'Factory Reset'** part of the manual and proceed through the steps.

## Will you be making updates to the software? If so, how can I update my router?

Yes, we are continually looking for new and exciting features and improvements. We will make these available for download on our website.

Follow our Facebook page for notifications and how to apply these updates [www.facebook.com/rvwifi](http://www.facebook.com/rvwifi)

## What coverage can I expect to get?

As we access our data from a range of Australian Data Providers - the coverage is where they are available - only better than what you would get on a phone due to the external antenna and the RV WI-FI hardware/software configuration.

For maps showing the coverage of the major three, go to:

**Telstra:** [www.telstra.com.au/coverage-networks/our-coverage](http://www.telstra.com.au/coverage-networks/our-coverage)

**Optus:** [www.optus.com.au/shop/mobile/network/coverage](http://www.optus.com.au/shop/mobile/network/coverage)

**Vodafone:** [www.maps.vodafone.com.au/VHAMap/apps/public-vf](http://www.maps.vodafone.com.au/VHAMap/apps/public-vf)

## How is RV WI-FI different to hot spotting my phone, or a 'pocket device'?

The RV WI-FI solution has been created with the specific needs of the Australian Caravan and motorhome community. The differences are as follows:

- Superior 3G/4G coverage driven through the antenna set up high on the vehicle.
- Wired in to the 12V supply of the van, so no chargers to look after or lose.
- Superior Wi-Fi coverage – typically 50 metres or more from the Caravan/ Motorhome.
- The RV WI-FI router Software has been developed with the Australian travelling holiday in mind, there is no other product like it. No bill shock–no impact to your phone data plan.

[www.rvwifi.com.au](http://www.rvwifi.com.au)

