

Starlink MINI 12V Compatible Socket

User Guide & Installation Guide

PART 1: USER GUIDE

1. Product Overview

The Starlink MINI 12V Compatible Socket is designed to provide a reliable and efficient power connection for Starlink MINI systems using a 12V power source. It is ideal for caravans, RVs, off-grid setups, and mobile installations where standard mains power is not available.

2. Key Features

- Designed specifically for the Starlink MINI using original 15m Starlink MINI supplied cable.
- No inverter required.
- Up to 26% more efficient than other 12V solutions.
- Supports both 12V DC and 24V DC input.
- Durable and compact design.
- Secure connection for mobile environments.
- Easy plug-and-play operation (once installed).

3. What's Included

- 1 x Starlink MINI 12V compatible socket
- Weatherproof stopper (to be used when Starlink not in use)

4. System Requirements

- 12V DC power source (battery or regulated supply)
- Starlink MINI and cable

5. How to Use

- Ensure the socket is correctly installed (see Installation Guide below).
- Remove and store the weatherproof plug.
- Connect your Starlink MINI cable to the socket by lifting up the lid and inserting the cable into the base.
- Close lid fully.
- Position your Starlink MINI with a clear line of sight to the sky.
- Allow approximately 60 seconds for your Starlink MINI to power up.
- Follow the instructions in your Starlink MINI App.



6. Troubleshooting

No Power to Starlink MINI

- Check blue light on Starlink.
- Check battery voltage.
- Confirm wiring polarity.
- Ensure secure connections.

Intermittent Connection

- Check for loose wiring.
- Inspect socket for damage.

PART 2: INSTALLATION GUIDE

1. Tools Required

- Wire stripper/crimper
- Screwdriver
- Drill
- Multimeter

2. Parts Required

- RVWIFI Starlink Mini Socket
- Twin core 15Amp(1.85mm²) cable no longer than 5m
- 10Amp inline fuse if connecting to unprotected circuit
- Caravan or Motorhome

Note: Reverse polarity protection included, overload protection included.

3. Step-by-Step Installation

3.1: Disconnect Power

Ensure the 12V power source is completely disconnected before starting installation.

3.2: Choose Mounting Location

- Ideally on the offside/non door side but not essential.
- Select a dry, easy to reach location.
- Ideally with wiring cavity behind.
- Avoid heat sources and moving parts.
- Drill a 10mm hole to feed internal power cable.

3.3: Prepare Wiring

- Prepare a dedicated circuit and determine appropriate BMS terminals or battery connection.
- Use correctly rated cable (recommended: dual 1.85mm² core wire no longer than 5m).

3.4: Connect Wiring

- Crimp or otherwise securely connect positive wire to the positive terminal.
- Crimp or otherwise securely connect negative wire to the negative terminal.
- Test connection for 12 or more Volts at the internal wiring.

3.5: Mount Socket

- Secure socket using screws or mounting hardware to a clean dry surface.
- Ensure firm, level and stable installation.

3.6: Test Installation

- Plug in Starlink MINI and verify operation power out to Starlink approx. 30VDC.

4. Important Installation Notes

- Always use a fuse close to the power source.
- Ensure correct polarity.
- Use recommended or larger cable sizing.
- Avoid power waste by reasonably minimizing cable length.

5. Troubleshooting Installation Issues

Socket Not Powering - Verify voltage at terminals - Confirm wiring polarity.

Voltage Drop Issues - Use thicker cable - Shorten cable run.

6. Technical Specifications

- Input Voltage: 12V-24V DC
- Current Rating: 6A max – typically approx. 2A
- Operating Temperature: (-20 to +60 degrees Celsius)

7. Safety Information

- Do not exceed recommended voltage (12V DC).
- Ensure correct polarity before connecting power.
- Use appropriate fuse protection.
- Keep connections dry and protected from weather.
- Disconnect power before performing maintenance.

Support

For further assistance, contact: info@rvwifi.com.au