

Wi-Fi Guidance for the SolShare

Info

For the SolShare to be commissioned, it must have an internet connection. This internet connection must be provided through a Wi-Fi network. It is highly desirable that this Wi-Fi network is permanent and stable.

This document will serve as guidance to an installer wishing to provide a Wi-Fi network for a SolShare installation.

For information about how to change which network the SolShare connects to, see the [How to set-up/change Wi-Fi credentials](#) document.

Wi-Fi Router Requirements

- Frequency = 2.4GHz
- Data Usage = 200MB/month
- Permanent and stable internet connection

FAQ's

Why is a Wi-Fi connection required?

In addition to requiring an internet connection to commission, the SolShare requires an ongoing internet connection for energy data transmission, fault reporting and software updates.

Can I use an ethernet connection to the SolShare?

No, the SolShare can only connect to wireless networks through Wi-Fi.

What is the preferred method to provide a Wi-Fi network?

A Wi-Fi router with a hardwired internet connection is always preferable. This is because locations where the SolShare is generally installed (e.g. basements, underground car parks, switchboards) often have poor 4G reception. Therefore, there is a high likelihood of issues if using 4G Wi-Fi modem/router.

What if using a 4G Wi-Fi modem/router is my only option?

Sometimes there will be a location unsuitable for hardwired internet into a Wi-Fi router. In this case, you should check the signal quality of the location the SolShare will be installed by using your phone as a guide. If there is poor network, we suggest buying a modem with an antenna port and adding an antenna with an extension lead.

Can I use my mobile phone's hotspot to commission the SolShare?

This is possible, but it will mean that any remote monitoring of the SolShare post-installation will not be possible once your mobile phone leaves the premises. It is also likely that there will be network connectivity issues during commissioning if the SolShare is installed in a location with poor mobile phone signal.

Are there any special requirements for the modem?

The SolShare will only connect to 2.4GHz Wi-Fi networks. Note that the 2.4GHz frequency is standard, but some Wi-Fi routers will use 5GHz (or both). Have a look at the modem's specifications before purchasing and installing.

Can I connect the SolShare to the same Wi-Fi network as I am using for other equipment (e.g. an inverter)?

Yes, you can use the same network for multiple devices. More than 1 SolShare can connect to the same network.

How much data does the SolShare use?

The SolShare will operate at under 250MB/month.

How close does the Wi-Fi router have to be?

This will depend on the Wi-Fi router, but for best results install the router in the same room with line of sight of the SolShare. A rule of thumb would be, if your phone can connect to the network, the SolShare will be able to connect, too.

Can I use a Wi-Fi extender?

Yes, any method of providing Wi-Fi to the SolShare will work provided it meets the requirement of 2.4GHz frequency.