Technical Note

Guide to Upgrading Microinverter
Firmware on Android Systems

Region: Europe
Version: V1.1
Release Date: 2023-10-16

0   Introduction

This document provides instructions for upgrading the microinverter firmware on Android systems. It is valid for the following microinverter models:
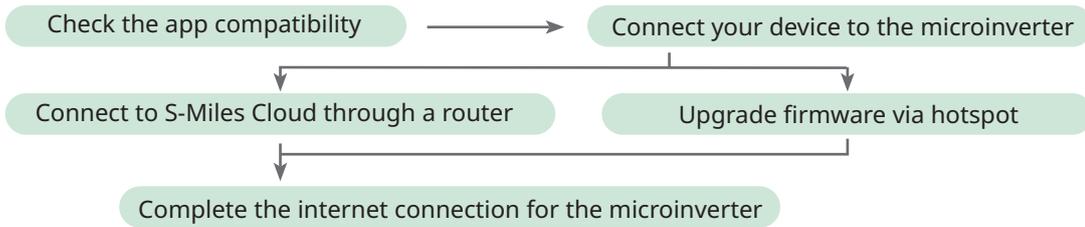
• HMS-600W/700W/800W/900W/1000W-2T

Network Config Video Guide

Hotspot upgrade Video Guide

1   Procedure

To address connectivity issues caused by outdated microinverter firmware version, it's essential to upgrade firmware.

Upgrading the microinverter firmware involves several key steps, each detailed in the following sections:

Check the app compatibility → Connect your device to the microinverter

Connect to S-Miles Cloud through a router → Upgrade firmware via hotspot

Complete the internet connection for the microinverter

1.1   Check the App Version

Microinverter firmware upgrades are only possible with S-Miles Installer app version V1.1.15-2023101900 or later. To verify your app's version, follow these steps:

a. Search the S-Miles Installer in the Google Play or scan the QR code to download the S-Miles app.

b. Log into S-Miles Cloud using your credentials.

(You can also tap the **Demo Account** button to proceed if you do not have an S-Miles Cloud Account.)

c. Navigate to **Me** > **About Us** > **Current Version** to check the installed app version.

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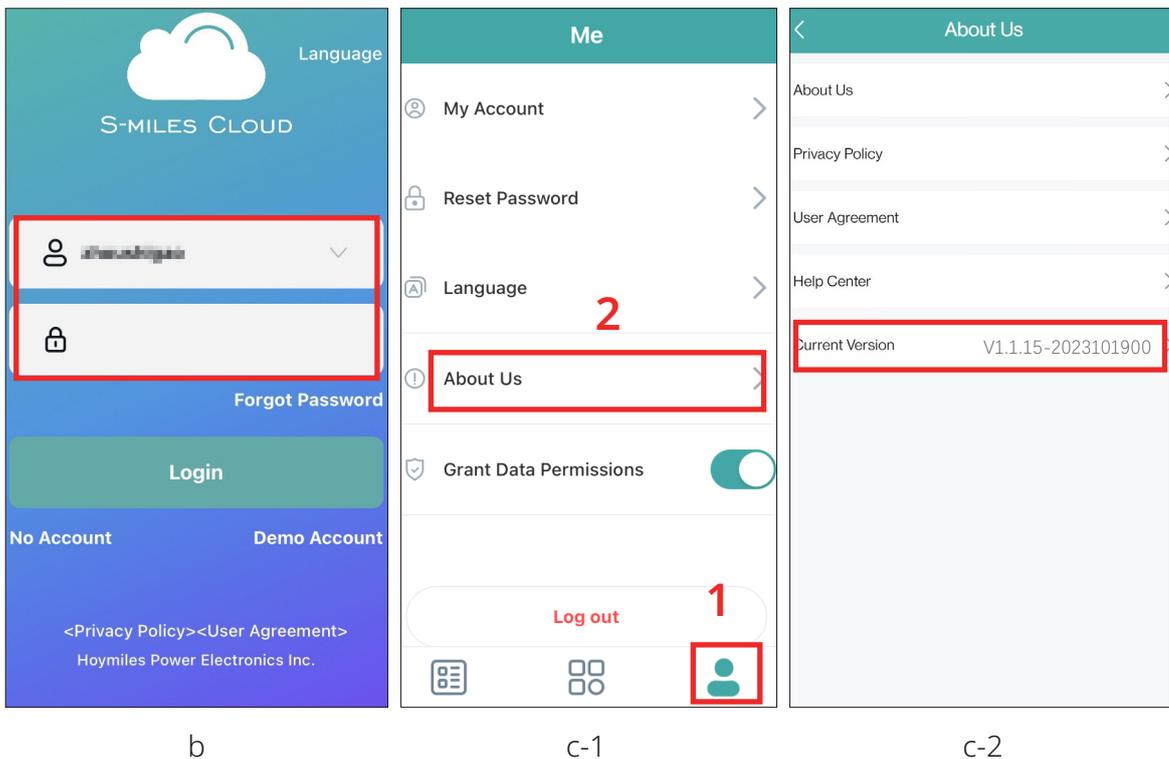
d. If your version is earlier than V1.1.15-2023101900, tap the **Current Version** option to initiate the app software upgrade.
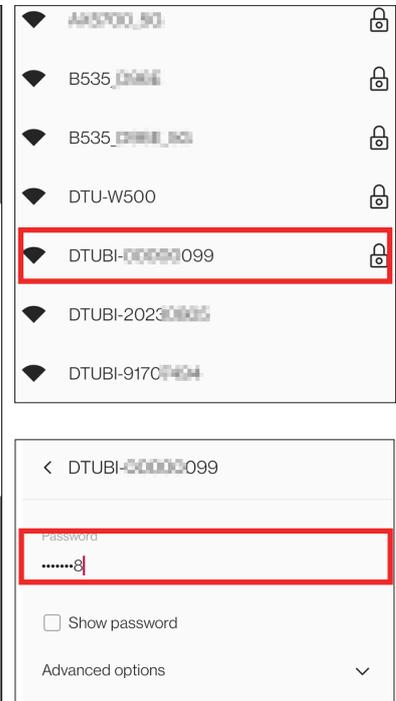
1.2 Connect Your Device to the Microinverter

a. Tap the **O&M** > **Network Config** button. A notice will pop up with an instruction to connect to the microinverter's Wi-Fi. Follow the instruction to proceed to the **WLAN** screen.

b. On the **WLAN** screen, choose the microinverter's Wi-Fi from the list and enter the microinverter's unique AP password when prompted.
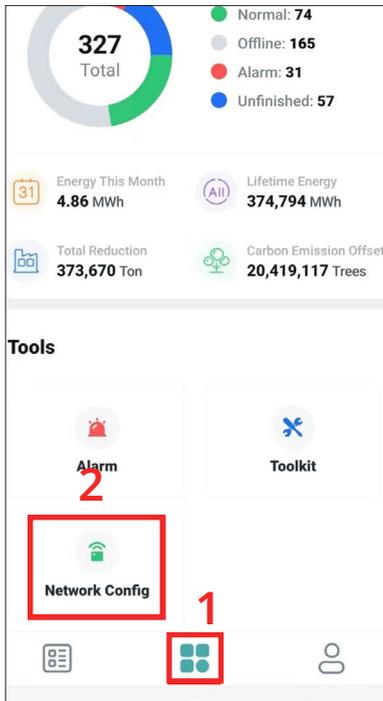
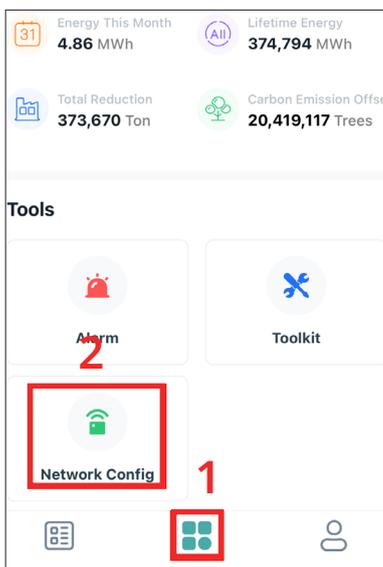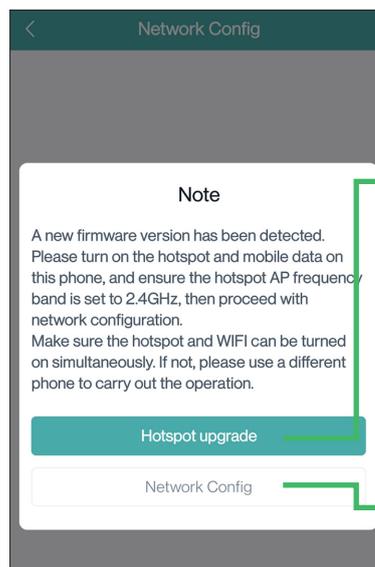a-1   a-2   b
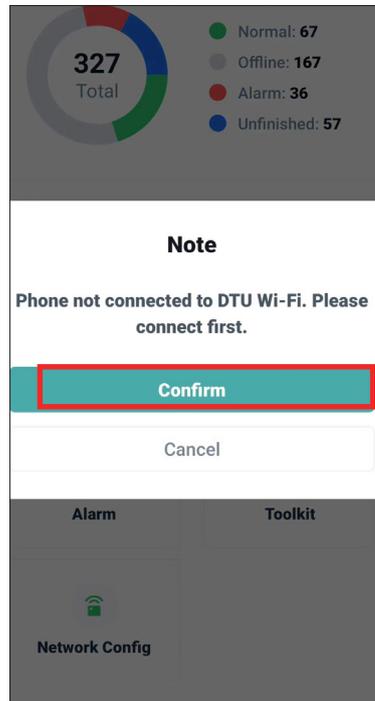
c. Back to the **O&M** screen and tap the **Network Config** button.

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Hotspot upgrade: If networking your microinverter with the S-Miles Cloud fails due to outdated firmware, tap this button to initiate the firmware upgrade.
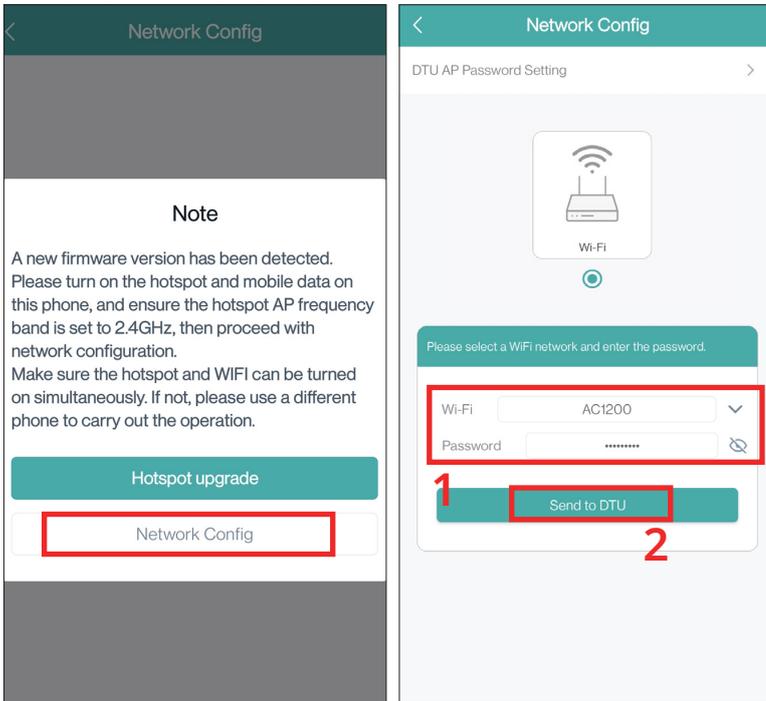
Network Config: If you do not want to upgrade the firmware right now and simply want to connect your microinverter to the S-Miles Cloud platform, just tap this button.

1.2.1 Connect to S-Miles Cloud Through a Router

a. Tap the **Network Config** button.

b. On the **Network Config** screen, select the router's name and enter the password, then tap the **Send to DTU** button.

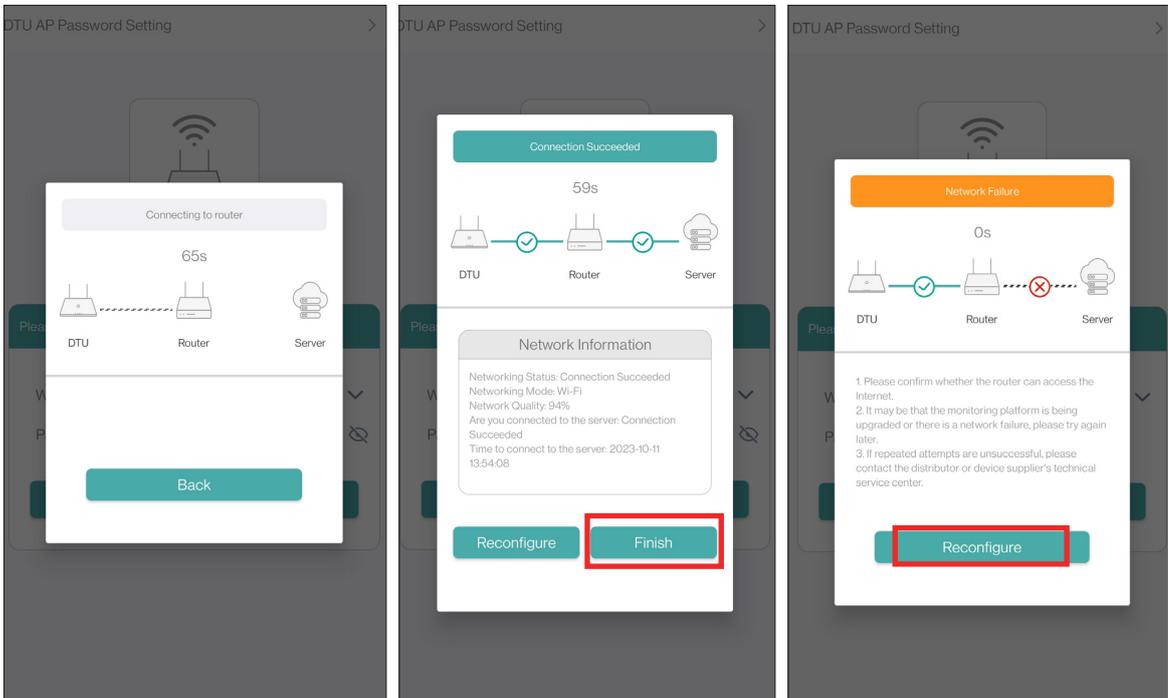

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c. Wait one minute for a successful connection. If successful, tap **Finish** to complete the configuration; otherwise, tap the **Reconfigure** button and go to 1.2.2 for hotspot firmware upgrade.

c-1

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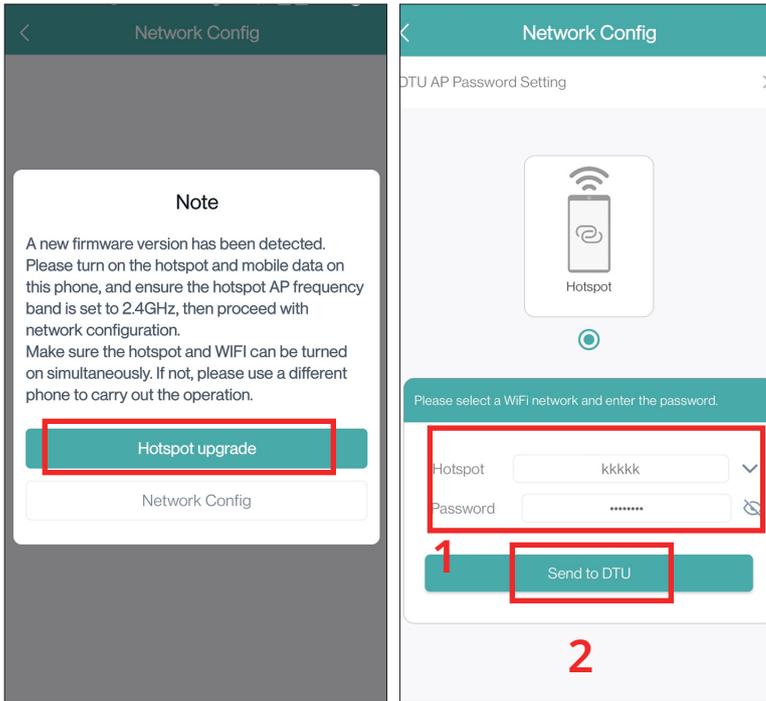

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1.2.2 Upgrade firmware via hotspot

a. Tap the **Hotspot Upgrade** button.

b. On the **Network Config** screen, enter the hotspot's name and the password, then tap the **Send to DTU** button.

Scan to access the video guide

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b

> ⚠️ *Importance:*
> - *Ensure your phone can maintain both Wi-Fi and hotspot connections simultaneously. If your phone can't, consider using another phone to proceed.*
> - *The hotspot should be sent by the smartphone, not the router. The hotspot's name and password can only contain **letters** and **Arabic numerals**.*

c. When the notice pops up, tap the **Confirm** button.

d. Follow the prompts to verify that the hotspot is enabled and operating on the 2.4 GHz band.
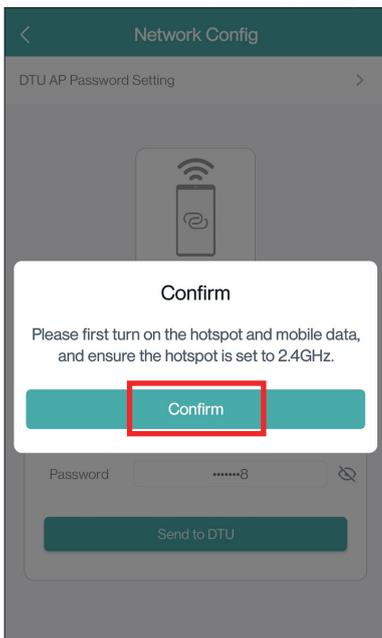
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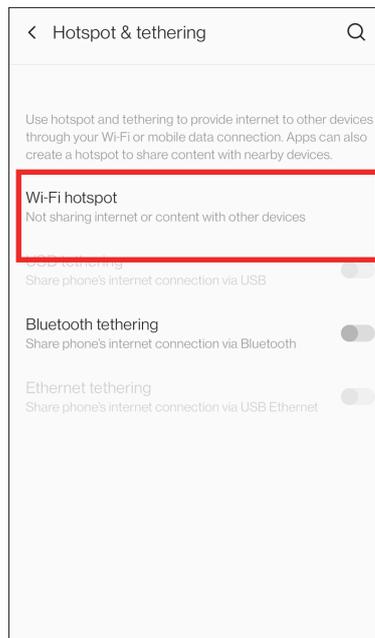
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e. Return to the app and tap the **Send to DTU** button once more to access the **Upgrading** screen.

f. Follow the prompts to turn off the Wi-Fi.

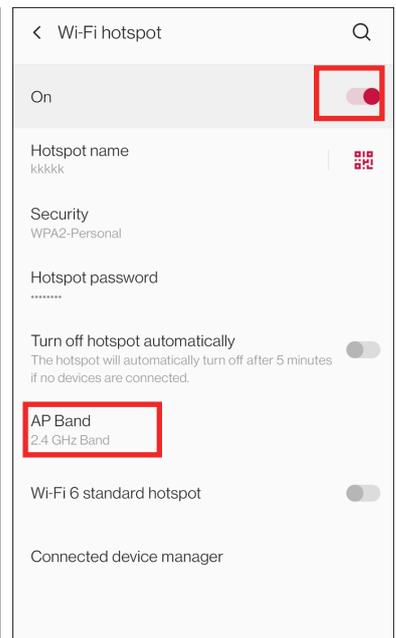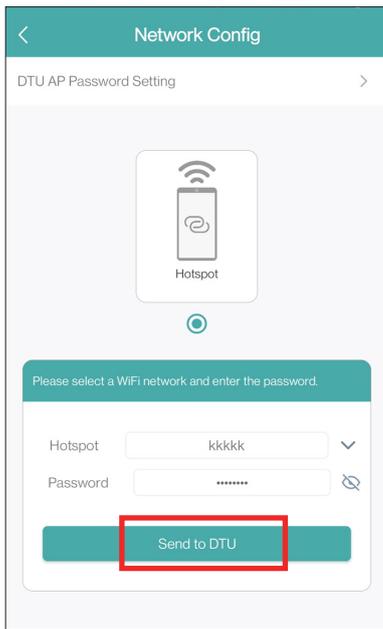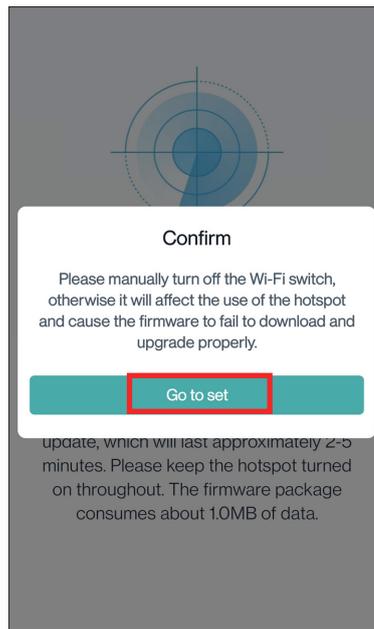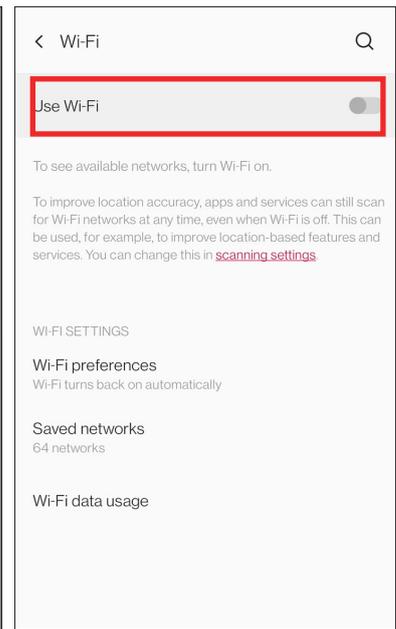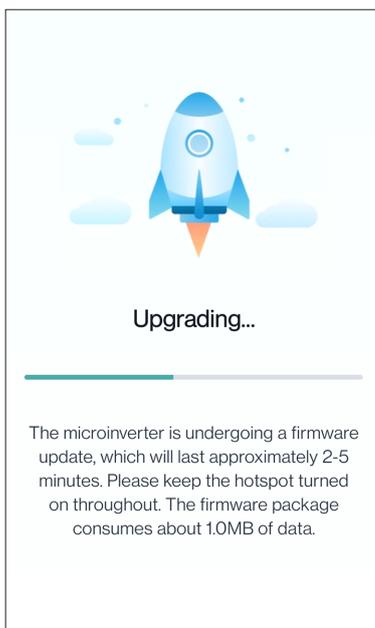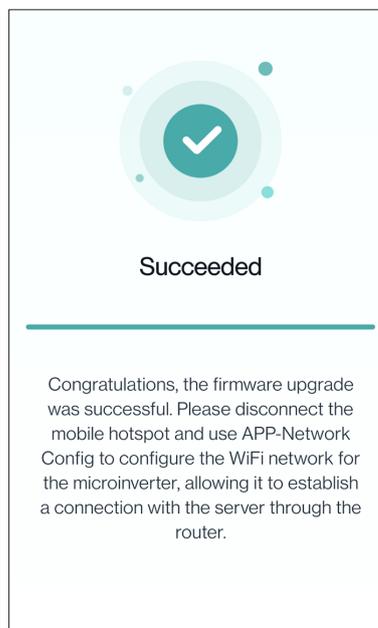|		
Network Config DTU AP Password Setting › Hotspot Please select a WiFi network and enter the password. Hotspot — kkkkk Password — ••••••• **Send to DTU**	**Confirm** Please manually turn off the Wi-Fi switch, otherwise it will affect the use of the hotspot and cause the firmware to fail to download and upgrade properly. **Go to set** update, which will last approximately 2-5 minutes. Please keep the hotspot turned on throughout. The firmware package consumes about 1.0MB of data.	‹ Wi-Fi 🔍 Use Wi-Fi ⭘ To see available networks, turn Wi-Fi on. To improve location accuracy, apps and services can still scan for Wi-Fi networks at any time, even when Wi-Fi is off. This can be used, for example, to improve location-based features and services. You can change this in scanning settings. WI-FI SETTINGS Wi-Fi preferences Wi-Fi turns back on automatically Saved networks 64 networks Wi-Fi data usage
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g. Back to the app, wait 2-5 minutes for the upgrade to finish. When successfully completed, tap the **Confirm** button. The microinverter's firmware version will be V01.00.08.
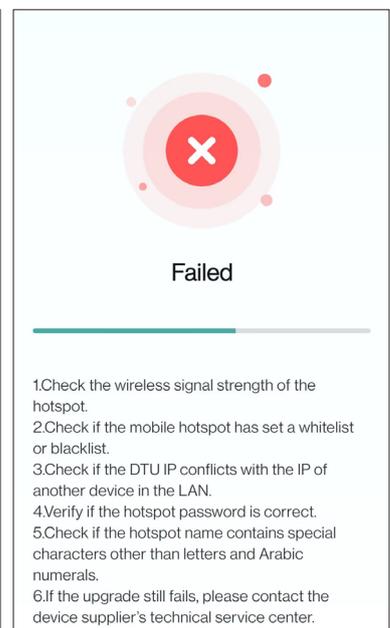
If the upgrade fails, tap the **Confirm** button, and return to 1.2 to repeat steps until successful. For persistent issues, contact Hoymiles technical support at service@hoymiles.com.

Upgrading... The microinverter is undergoing a firmware update, which will last approximately 2-5 minutes. Please keep the hotspot turned on throughout. The firmware package consumes about 1.0MB of data.	**Succeeded** Congratulations, the firmware upgrade was successful. Please disconnect the mobile hotspot and use APP-Network Config to configure the WiFi network for the microinverter, allowing it to establish a connection with the server through the router.	**Failed** 1.Check the wireless signal strength of the hotspot. 2.Check if the mobile hotspot has set a whitelist or blacklist. 3.Check if the DTU IP conflicts with the IP of another device in the LAN. 4.Verify if the hotspot password is correct. 5.Check if the hotspot name contains special characters other than letters and Arabic numerals. 6.If the upgrade still fails, please contact the device supplier's technical service center.
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