E-LINTER Loquat Pro Wi-Fi + BLE CC Logger

User Manual

V250701-R

Revision History

Date	Author	Version	Description
2025/07/01	Wan Yue	V250701R	Initial Version

Content

1. Introduction

1.1. Overview

    The Loquat Pro supports Wi-Fi/Wi-Fi mesh + BLE communication. This manual provides instructions for quick product setup. It applies to the current hardware and software versions. We reserve the right to modify the manual due to product upgrades. Read this manual carefully before use to prevent improper operation.

1.2. Symbol Guide

    Key tips, precautions, and potential risks are highlighted in this manual using the following symbols. Pay close attention during use:

<p align="center">Table 1-2-1 Symbol Guide</p>

Symbol	Meaning
①	**Note:** Tips for optimal usage or techniques.
⚠	**Caution:** Potential risks that may cause product malfunction or damage if ignored.
⚡	**Warning:** Potential hazards that may cause personal injury or property damage if ignored.

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2. Features

- Supports remote firmware updates (OTA)
- Automatic network time synchronization
- Wi-Fi 6 protocol support
- Wi-Fi mesh networking support
- 2.4GHz 802.11 b/g/n/ax compatibility
- WPA/WPA2/WPA2-Enterprise encryption
- E-Touch compatibility (Android & iOS)
- Communication link diagnostics
- BLE 5.3 support

3. Package Content

Check all items upon receipt. Contact your dealer if contents are missing or damaged.

Table 3-1 Package Contents

Item	Name	Qty
	Wi-Fi + BLE Logger	1

> ⓘ *Identify logger type via product label*

4. Indicators
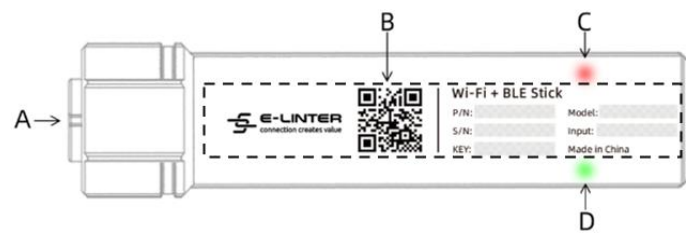

Figure 4-1 Indicators

A.   Interface：Device connection port

B.   Label: Product information

C.   Red LED: Device communication indicator

D.   Green LED: Network communication indicator

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1.   Both LEDs blink once per second after power-on;

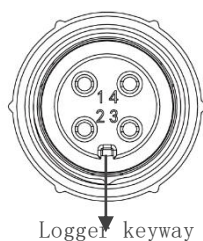2.   For detailed LED status, see Chapter 9.

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5. Installation & Removal

This chapter will introduce how to install and remove logger.

5.1. Installing the logger

⚠️ Align the logger's keyway with the device's connector keyway to avoid damage.

Logger keyway

Install the logger: Identify the inverter's CC port orientation, insert the logger as shown and rotate clockwise until tight as the follows.
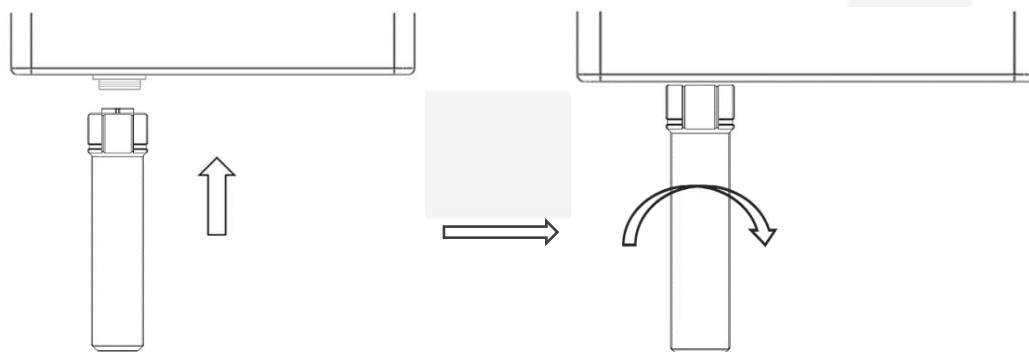
Figure 5-1-1 Install the logger
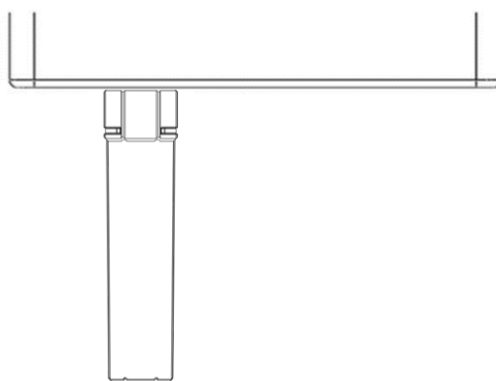
Installation as the follows:

Figure 5-1-2 Installation Effect

5.2. Removing the logger

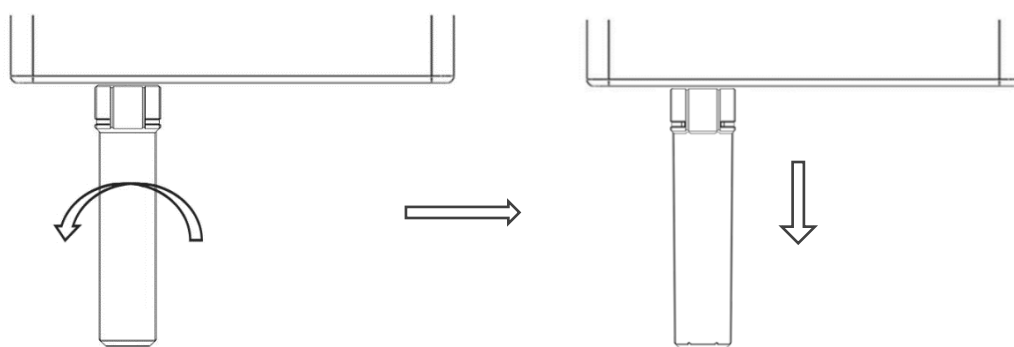Rotate counterclockwise and pull out as shown.

Figure 5-2-1 Removing the logger

6. Download the APP

iOS: Search "PV Pro" or "PV Lite" in the App Store, or scan the QR code below.

Android: Search "PV Pro" or "PV Lite" on Google Play, or scan the QR code below.

Figure 6-1 QR Code

7. Network Connection

This chapter will introduce the communication configuration of this product.

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1. Ensure the logger is powered (connected device is ON) when configuring the network.

2. Ensure the router has internet access

3. The logger uses DHCP by default—enable DHCP on your router

4. Open ports **8886**, **8885**, and **80** for cloud communication

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7.1. Configuring Network Connection

The following figure is a schematic diagram of the network connection of this product. Please refer to *Chapter 6* Download APP to download the corresponding APP, and then configure the logger according to the operating instructions of the APP, so that the logger can be connected to the network normally.

Figure 7-1-1 BLE Network Setup Diagram

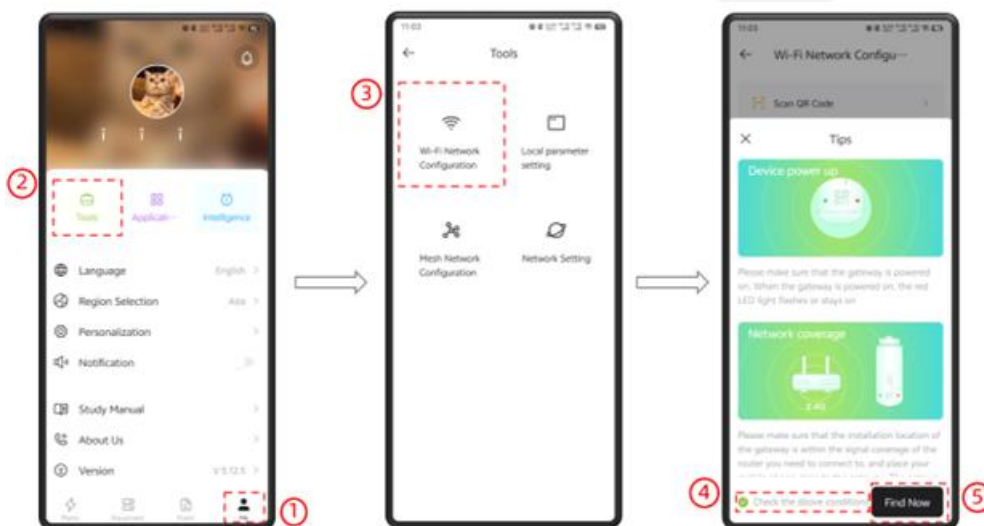Follow in-app instructions for Wi-Fi setup:

Figure 7-1-2 Network Configuration Flow

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1. Only **2.4GHz band** is supported—enable it on your router;

2. **5GHz band is NOT supported.**

7.2. Network Parameter Settings

To set a static IP:

1. Open the app(PV Pro/PV Lite)
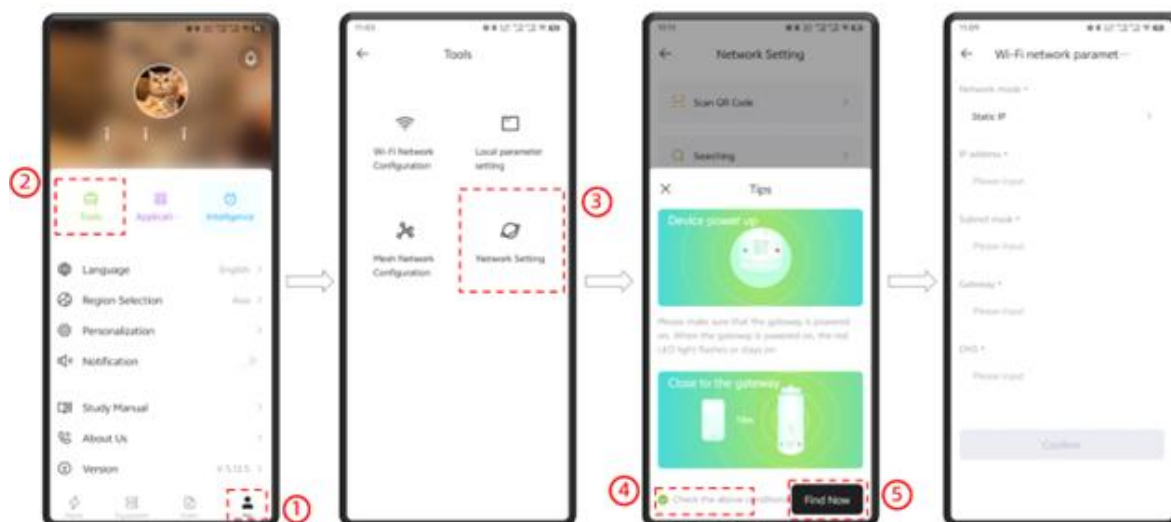
2. Go to Profile→Toolbox→Network Settings

Figure 7-2-1 Static IP Configuration Flow

8. Installation Confirmation

The logger operates normally when both LEDs are solid ON. Device status can then be monitored via the app/cloud. Otherwise, troubleshoot using **Chapter 9**.

Normal operation status as the follows--

Figure 8-1 Normal Operation Status

9. LED Status & Troubleshooting

The LED colors indicate the data logger's status: red represents the device communication indicator, green represents the network communication indicator. When both LEDs are normal on, the product operates normally. The logic for other LED states is as follows:

🔴 Red LED (Device communication indicator)

🟢 Green LED (Network communication indicator)

Table 10-1 LED status table

LED	Status	Description	Solution
🔴	Steady On	Normal communication with connected devices	/
	Blinks every 1 second	Powered on but no communication with connected devices	Communication error 1. Check communication lines between the data logger and device, or contact the distributor 2. Check if the data logger interface is loose
	Off for over 30 seconds	Power supply failure or product damage	Verify the inverter's power supply is normal, or contact the distributor
🟢	Steady On	Normal communication with the server	/

	Blinks every 1 second	Powered on but no router connection	No router connected: 1. Verify the router password is correct 2. Check if the router signal is weak
	Blinks every 2 seconds	Router connected but server connection failed	1. Confirm the router has internet access permissions 2. Check firewall settings
	Blinks every 4 seconds	Server returned incorrect product information	Contact the distributor or email us at: support@e-linter.com

10.   CE Conformity

This product complies with the radio interference requirements of the European community. Hereby, Chengdu E-LINTER Information Technology Co., Ltd. declares that the product is in compliance with the essential requirements and other relevant provisions of RE Directive 2014/53/EU. You can find the Declaration of Conformity on www.e-linter.com.

RF frequency:

2.4G WIFI: 2412 MHz to 2472 MHz

BLE: 2402 MHz to 2480 MHz

RF power:

2.4G WIFI: 17.45 dBm

BLE: 9.46 dBm

Manufacturer Name: Chengdu E-LINTER Information Technology Co., Ltd.

Address: No. 505, Building 6, Zone D, Tianfu Software Park, No. 599, Century City South Road, CDHT, Chengdu, Sichuan, China

11.   FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement, This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

12.   Contact information