

E-LINTER V220121R Magpie CC Interface WiFi Gateway User **Manual**

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E-LINTER V220121R Magpie CC Interface WiFi Gateway



Revision History

Date	Editor	Version	Description
2022/01/21	Miki	V220121R	First Release

Brief

Introduction

Magpie is a Wi-Fi gateway. This manual describes the use of Magpie so that users can quickly use the product. This manual applies to the current software and hardware version. We reserve the right to change the content of the manual due to product upgrades. To prevent improper operation, please carefully read this manual before use.

Symbol

Symbol	Indication	
A	"Attention" means there are potential risks, if not avoided, it may not operate normall or cause losses	
	"Danger" means that there is a potential hazard, which will cause injury if not avoided	
0	" Tip " is used for important or key information to explain how to better use the product	

Features

- RS-485 communication
- Wi-Fi support AP+STA dual mode
- Automatic time synchronization when connected to the internet
- · Support OTA for gateway
- Support OTA for inverter
- Support local setting parameters for inverter by smartphone

- · Support remote setting parameters for inverter by smartphone
- Support data breakpoint continuation

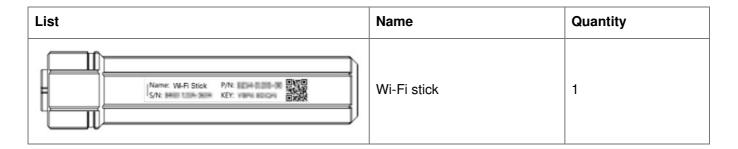
• Flame retardant grade: UL94 V-0

· Anti-UV grade: F1

• Degree of protection: IPX7

Package list

Please check whether the package and accessories are complete. If any accessories are missing or obviously damaged, please contact the dealer.



Indication

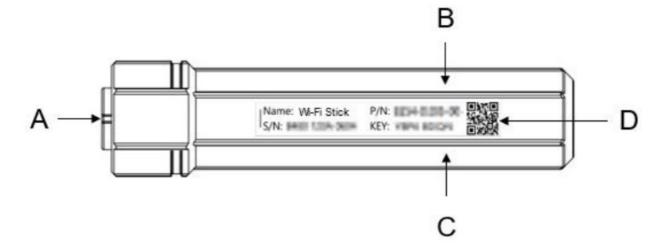


Fig. 4-1 Indication

- A. Circular Connector Interface: Connect to inverter and communication
- B. Red LED: Inverter communication indication
- C. Green LED: Network communication indication
- D. Product label: Show product information
- 1. The LED glows only when the Magpie is powered on.
- 2. When the Magpie is powered on, the green LED glows for 3S as a power-on indication.
- 3. For more detailed LED indication please refer to Chapter 9 "LED indication and troubleshooting".

Installation and removal

This chapter introduces how to install the Magpie on the inverter and how to remove it.

Install the Magpie

Insert the Magpie: as shown in the following figure, confirm the direction of the Aerial Plug Interface on the inverter first, and then insert the Magpie in the arrow direction;

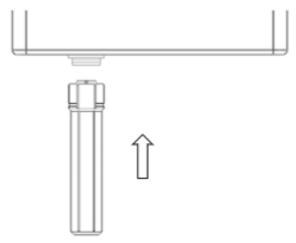


Fig. 5-1-1 Insert the Magpie

Tighten the Magpie: as shown in the following figure, tighten the Magpie's body clockwise.

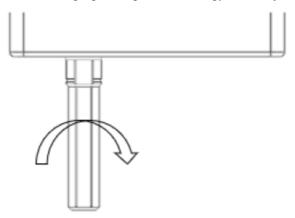


Fig. 5-1-2 Tighten the Magpie

Disassemble Magpie

Disassemble Magpie: as shown in the following figure, turn the Magpie body counterclockwise till breaking away from the Aerial Plug interface on the inverter.

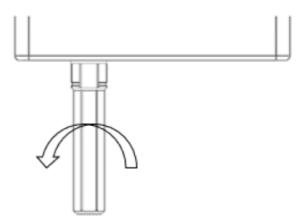


Fig. 5-2-1 Disassemble Magpie

Communication Connection

This chapter introduces the configuration method of Wi-Fi communication.

• When configuring the network, ensure that the Magpie is powered on! Otherwise, check whether the inverter is powered on.

Wi-Fi Connection

The Wi-Fi connection diagram of Magpie is shown in the figure below. The specific process can be downloaded according to chapter 7 "Download APP" to download the APP, and configure the network connection according to the operation guide of the APP.



Fig. 6-1-1 Wi-Fi connection diagram

Download APP

- iOS: Search "PV Pro" in Apple Store, or scan the image below with a QR code.
- Android: search "PV Pro" in Google Play, or scan the image below with a QR code.



Fig. 7-1 APP QR code

Installation qualification

If the Magpie works normally, the red LED and green LED are always glowing. Otherwise, it needs to be corrected by referring to chapter 9 "LED indication and troubleshooting".

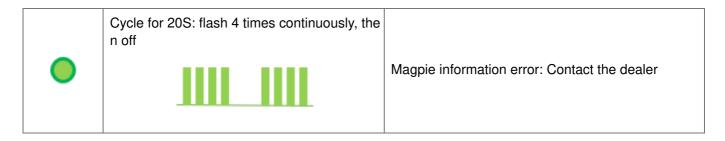
LED indication and troubleshooting

• Red LED: Inverter communication indication

• Green LED: Network communication indication

LED	State	Indication
	Cycle for 2S: flash once quickly, then glowin g	Communication is normal
	Not glow more than 20S	The power supply to the Magpie is abnormal or da maged 1. Check whether the power supply of the Aerial P lug Interface on the inverter is normal 2. Magpie abnormal, contact the dealer
	Cycle for 2S: flash once quickly, then off	Communication failure Check whether the connection between the Magpi e and inverter is loose or poor contact
•	When powered on, continuously glows 3S, a nd then off	Power on indication

	Glow more than 5S	
		Communication is normal
	During the long glowing, flash occasionally	Network transmit data
	Cycle for 20S: flash once quickly, then off	The route is not connected: 1. Check whether the password is right 2. Check the strength of the router
	Cycle for 20S: flash 3 times continuously, the n off	Connect to the route, but can't connect to the cloud server 1. Check whether the router has Internet access p ermission 2. Check the firewall setting



FCC Statement

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.

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 the receiver.
- Connect the equipment to 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.

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body

Contact us

• Service email: support@e-linter.com.

• Switchboard: 028-6787 8658

• Service Call: 028-6787 8658-621

- Address 1: Floor 9, Building 10, Tianfu New Valley, No. 399, West Section of Fucheng Avenue, Chengdu, Sichuan, China.
- Address 2: Building 1, No. 206, Songshan Road, Suzhou, Jiangsu, China.
- Website: http://www.e-linter.com.

Documents / Resources



E-LINTER V220121R Magpie CC Interface WiFi Gateway [pdf] User Manual V220121R, Magpie CC Interface WiFi Gateway, V220121R Magpie CC Interface WiFi Gateway, CC Interface WiFi Gateway, WiFi Gateway, Gateway

References

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