
Magpie Ethernet stick quick user guide

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Description

1. Description

This manual mainly introduces the use of Magpie stick products. Please carefully read this manual before using.

1.1. Purpose




Instruct users to use Magpie stick product.

1.2. Scope of application

This manual applies to Magpie stick product.

Description

1.3. Symbol description

Symbol	meaning
	Used to highlight important/critical information, "Description" is not a safety warning message, and does not involve personal or environmental injury information.
	"Attention" indicates a potential risk if failure to prevent normal operation or property damage is avoided.
	"Danger" means that there is a potential danger, and if it is not avoided, it will lead to injury.

2. Features

- Support RS485 interface
- Built-in memory, no loss inverter data when on internet access
- External plug-in design, more convenient for installation
- Network time synchronization
- Support Wi-Fi & Ethernet at the same time
- Full-industrial devices, Operation Temperature from -25°C ~ $+60^{\circ}\text{C}$
- Fire-protection rating: UL94-5V0
- F1 class for UV protection
- IP65 protection level

instruction

3. Product instruction



- ① **Plug:** Network communication indication
- ② **Product label:** Display product information
- ③ **Green Red LED:** device communication indication
- ④ **Red LED:** Connected to inverter
- ⑤ **Waterproof plug:** RJ45 screw Waterproof plug



The LED will only light up after the Magpie stick is powered on.

4. Ethernet Connection

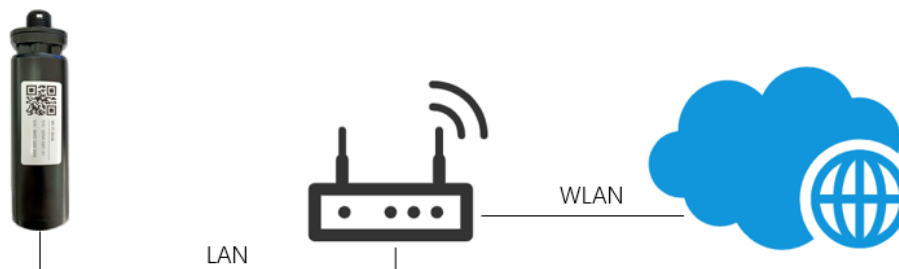
4.1. Connected to stick

Please install it as following picture. Open the waterproof plug and waterproof cover, string the network cable into the waterproof rubber plug, and then insert a section of the crystal head into the RJ45. Plug in and then plug in the waterproof plug and close the waterproof cover.



4.2. Connected to router

Please connected the router as following.



confirmation

5. Communication confirmation

When the red LED and the green LED on the Magpie are always light, it indicates that the PV plants monitoring is normal, and it flashes during data transmission. Otherwise, it needs to be corrected by referring to the LED indication and troubleshooting section.

6. LED indication and troubleshooting

- The red LED (Device comm) flashes and then Light up for a long time: communication is normal.
- The green LED (network comm) Light up for a long time: communication is normal.
- The green LED flash and then light up for a long time: the network transmit data.
- The red LED does not light for a long time: the power supply to the collector is abnormal or damaged.
- The red LED flash and then off: device communication failure, please check the connection whether is loose.
- The green LED flash once and then off: the route is not connected.
- The green LED flash 3 times and then off: connect to the route, but can't connect to the server.
- The green LED flashes 4 times and then off: device communication is error (SN or KEY).