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› [Easun](#) /

› Easun Wi-Fi Plug Pro-05 Module for Solar Inverters User Manual

Easun Wi-Fi Plug Pro-05

Easun Wi-Fi Plug Pro-05 Module for Solar Inverters User Manual

Model: Wi-Fi Plug Pro-05

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Easun Wi-Fi Plug Pro-05 Module. This module enables remote monitoring and control of compatible Easun solar inverters via a mobile application, facilitating efficient management of your photovoltaic power generation system.

Please read this manual thoroughly before installation and operation to ensure correct usage and optimal performance.



Image 1.1: The Easun Wi-Fi Plug Pro-05 Module, a communication interface for solar inverters.

2. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- Easun Wi-Fi Plug Pro-05 Module
- Antenna
- Connecting Cable (RS232 to RJ45)
- Mounting Screws (2x)
- User Manual (this document)



Image 2.1: Contents of the Easun Wi-Fi Plug Pro-05 Module package, showing the module, detachable antenna, connecting cable, and two mounting screws.

3. INSTALLATION AND SETUP

Follow these steps to install and set up your Wi-Fi module:

1. **Install the Wi-Fi Module Antenna:** Carefully screw the antenna onto the designated port on the Wi-Fi module. Ensure it is securely fastened but do not overtighten.



Image 3.1: Detail of the antenna port on the Wi-Fi module, ready for antenna attachment.

2. **Connect the Computer Cable to the Wi-Fi Module:** Plug the RS232 end of the connecting cable into the corresponding port on the Wi-Fi module.



Image 3.2: The RS232 communication port on the Wi-Fi module where the connecting cable is inserted.

3. **Connect the Connecting Cable to the Inverter:** Plug the RJ45 end of the connecting cable into the communication port on your compatible solar inverter. Refer to your inverter's manual for the exact location of this port.



Image 3.3: The connecting cable, featuring an RS232 connector on one end and an RJ45 connector on the other, used to link the module to the inverter.

4. **Confirm Wi-Fi Indicators:** After connecting, ensure that all Wi-Fi indicators on the module are functioning normally. Upon successful Wi-Fi connection, the four indicator lights should remain continuously lit.

Instructions:

1. Install the antenna of the WI-FI module.
 2. Connect the upper computer cable terminal to the WI-FI module.
 3. Connect the connecting wire to the inverter.
 4. Confirm that all indicators of WiF are normal.
- (After the WiFi connection is successful, the four lights are always on as the connection is normal)



Image 3.4: Visual representation of the module connected, with a focus on the indicator lights that confirm a successful Wi-Fi connection.

4. OPERATION

Once the Wi-Fi module is successfully installed and connected to your inverter, you can utilize the dedicated mobile application for remote monitoring and control.

- **App Download:** Download the official Easun monitoring application from your mobile device's app store (e.g., Google Play Store, Apple App Store).
- **Account Registration:** Follow the in-app instructions to register a new user account or log in with an existing one.
- **Device Pairing:** Pair your Wi-Fi module with the app. This typically involves scanning a QR code on the module or

entering its serial number. Ensure your mobile device is connected to the same Wi-Fi network during the initial pairing process.

- **Remote Monitoring:** View real-time data from your solar inverter, including power generation, battery status (if applicable), and system performance.
- **Remote Control:** Depending on your inverter model and app features, you may be able to adjust settings or control certain functions remotely.

For detailed instructions on using the mobile application, refer to the in-app help section or the specific app user guide.

5. MAINTENANCE

The Easun Wi-Fi Plug Pro-05 Module is designed for reliable operation with minimal maintenance. However, periodic checks can help ensure its longevity and performance:

- **Cleaning:** Keep the module clean and free from dust and debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or solvents.
- **Connection Check:** Periodically inspect all cable connections to ensure they are secure and free from corrosion or damage.
- **Firmware Updates:** Check the mobile application regularly for any available firmware updates for the Wi-Fi module. Keeping the firmware updated ensures optimal performance and security.
- **Environmental Conditions:** Ensure the module is operating within its specified environmental conditions (temperature, humidity) to prevent damage.

6. TROUBLESHOOTING

If you encounter issues with your Wi-Fi module, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No indicator lights / Module not powering on.	• Loose connection to inverter. • Inverter not powered on. • Faulty cable.	• Ensure the connecting cable is securely plugged into both the module and the inverter. • Verify that the solar inverter is powered on and operating correctly. • Try a different compatible RS232 to RJ45 cable if available.
Indicator lights not solid / Wi-Fi connection unstable.	• Weak Wi-Fi signal. • Incorrect Wi-Fi network configuration. • Antenna not properly installed.	• Relocate the Wi-Fi router closer to the module or use a Wi-Fi extender. • Reconfigure the Wi-Fi settings via the mobile app, ensuring correct network name (SSID) and password. • Check that the antenna is securely attached to the module.

Problem	Possible Cause	Solution
Module not recognized by mobile app.	• Incorrect pairing procedure. • App version outdated. • Module firmware outdated.	• Repeat the device pairing process in the app, ensuring all steps are followed correctly. • Update the mobile application to the latest version. • If possible, attempt a firmware update for the module (refer to app instructions).
"Not compatible with my inverter" error.	• Inverter model not supported.	• Verify your inverter model against the list of compatible inverters in the specifications section of this manual or product documentation. This module is designed for specific Easun inverter models.

7. SPECIFICATIONS

- **Model:** Wi-Fi Plug Pro-05
- **Material:** ABS
- **Communication Interface:** RS232
- **Package Dimensions:** 18 x 16 x 7.8 cm
- **Package Weight:** 150 g
- **Compatible Inverter Models:**
 - SM-3.2KW-24V
 - SM-3.2KW-48V
 - SM-5.2KW-48V
 - MPS-VI1-3500W-24V
 - MPS-VI1-5500W-48V
 - VM Plus 3.5kW wifi
 - VM Plus 5.5kW wifi
 - VM-3KW (requires Wi-Fi models)
 - VM-5KW (requires Wi-Fi models)
 - Other compatible Wi-Fi models



Image 7.1: The Easun Wi-Fi Plug Pro-05 Module, highlighting its application in grid-connected photovoltaic systems and its durable ABS construction.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.

For the latest information, FAQs, and additional resources, please visit the official Easun website or refer to the mobile application's support section.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question