

WiFi Dongle WD02 Quick Guide

Notice:

Please read this manual carefully before using the product. The content of this manual may change due to factors such as product upgrades without further notice. Please use the actual product as standard and get the latest manual from Pytes through any contact methods provided on this manual. Unless otherwise agreed, this manual is for informational purposes only. No representations, information or recommendations in this manual are accepted for any kind of liability. No company or individual may excerpt, reproduce or distribute any part (in part or in whole) of this document in any form without written permission.

1 Device Introduction

1.1 Packing List

 <p>WiFi Dongle Dimensions: 72.1x88x25.9mm RJ45 Communication Port Type C Power Port (4.5V-5.5V)</p>	 <p>Antenna</p>	 <p>CAT6 Communication Cable 220mm</p>	 <p>Optional Communication Cable RJ45 to P4 Aviation Female For batteries with P4 Aviation Males WiFi Ports.</p>	 <p>Optional Type C to USB Power Cable</p>
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1.2 LED Light and interfaces Instructions

Light	Description	Status
	<p>Indicating states of WiFi Dongle</p>	<p>Two Lights on for 2 Seconds: WD02 WiFi powered on A Light Slow Flicker: Network connecting Two Lights Flash Alternately for 4 seconds: Network connect failed Two Lights Quick Flicker Three Times: Network Connection success Two Lights Flash Irregularly: WD02 Working Normally</p>
Interfaces	Console	RS485
	<p>RJ45 Port, RS232 Protocol. Connect to PC/Laptop for manufacturers or professional engineers to debug or service</p>	<p>RJ45 Port, RS485 Protocol, Communication with batteries</p>

2 Installation and Registration

2.1 Installation

Twist the antenna onto the interface of the WIFI Dongle. Connect WIFI Dongle to RS485 port of battery with communication cable, RJ45 terminalx2, standard pin sequence.

Battery with WiFi interfaces can be connected with the optional communication cable (RJ45-4P Aviation Female), as shown in Table 3

Inverters i.e. DEYE, SRNE, GROWATT, Voltronic, Magarevo will not be able to communicate with battery when WIFI Dongle is connected to battery due to occupation of the RS485 port. (Set all DIPs down when WD02 is connected to battery RS485 port.)

WiFi Dongle will be powered by battery through RS485 port of E-Box 48100R D which is released from Dec. 2023. An external power source is required to power the WiFi dongle through Type C port of the WiFi Dongle when working with an earlier



Table 1 WiFi module connection (R-C-MCU-V2.0) powered by battery

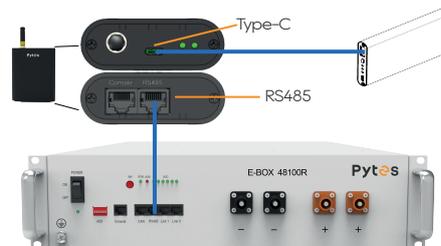


Table 2 WiFi module connection (R-C-MCU-V1.0) powered by External Device

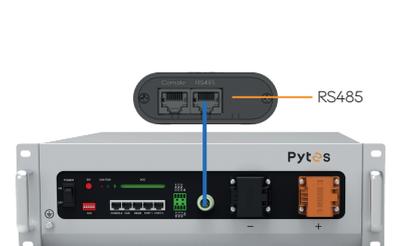


Table 3 WiFi module connection powered by battery with WiFi Aviation Female

2.2 Registration

Scan the QR codes below with your smart phone to install the APP



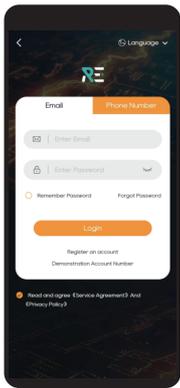
ios



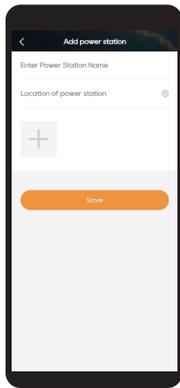
Google Play

2.3 Network Configuration through APP

- Click the App icon to run RE+. Register an account.



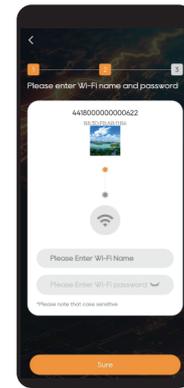
Step 1- Register an account



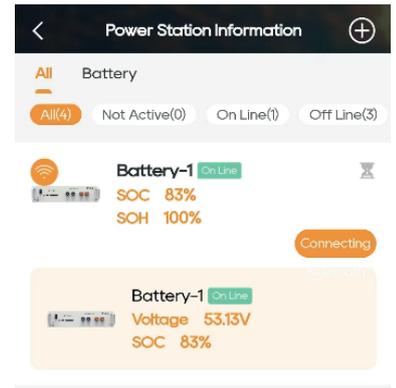
Step 2- Create a power station



Step 3-Click the icon on top right corner and click Add Device to scan the QR code on the WiFi module



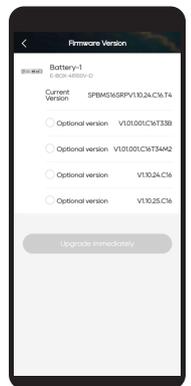
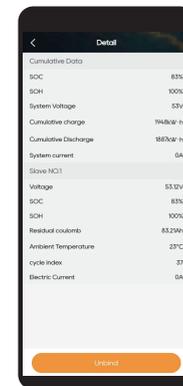
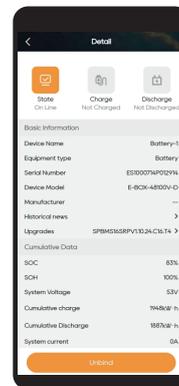
Step 4- Enter your home WiFi account name and password to successfully connect



Network connection completed
You can connect to Bluetooth and view battery information by clicking on 'connecting' and reconfigure the WiFi Dongle module by clicking on the WiFi icon

The two lights on the WiFi Dongle will flash rapidly three times, telling network configuration is complete. If Two lights flash alternately for 4 seconds, please repeat above process again.

- Network configuration is required at the initial installation only thus it will be automatically connected after powering on afterwards.



You can use the App to view battery information and upgrade the battery firmware

Warranty Policy

The WIFI Dongle is warranted to be free from defects in material and workmanship for a period of 1 year. During the warranty period, we provide free maintenance service to solve all non-artificial quality problems if the product is under normal usage circumstance.

- Maintenance cost will be charged if the product exceeds warranty period.
- If the failure of the product is not caused by material or workmanship (such as improper use, improper storage, unauthorized disassembly, etc.), maintenance cost will be charged.
- Please pay for return route freight in advance. Freight collect is not accepted.

User Name		Customer Name	
Purchase Date		Customer Phone	
Product Name&Model		Product SN	
Customer Address			
Order No.			
Maintenance Records	Date	Failure Cause and Treatment	

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