

※ Thanks for selecting the EPEVER BLE RJ45 D Bluetooth adapter, please read this manual carefully before using the product.

※ This product is not waterproof or dustproof. Do not use it in humid, high salt spray, corrosion, greasy, flammable, explosive, dust accumulative, or other severe environments.

Bluetooth Adapter

EPEVER BLE RJ45 D

1. Overview

Adopting the Bluetooth 5.0 transmission and BLE (Bluetooth Low Energy) technology, EPEVER BLE RJ45 D enables data collection, communication, and wireless monitoring of connected devices.

Features

- Support communication via phone APP
- Support data encryption
- Use immediately after connecting; easy and convenient operation
- Feature fast communication and strong anti-interference ability
- Directly powered by the communication port
- Up to 10 meters of communication distance

2. Appearance

RJ45 connector



Indicator instruction:

| Indicator | Instruction |
|---|---|
| Green ON | Power on only. |
| Green flashing slowly (ON 3S, OFF 0.3S) | Communication normally (it flashes when the data is refreshed). |

RJ45 connector pin definition



| Pin | Definition | Pin | Definition |
|-----|------------|-----|------------|
| 1 | +5VDC | 5 | RS485-A |
| 2 | +5VDC | 6 | RS485-A |
| 3 | RS485-B | 7 | GND |
| 4 | RS485-B | 8 | GND |

3. System connection

For devices with RJ45 com. port, connect the Bluetooth adapter directly without a cable.

For devices with non-RJ45 com. port, an additional converter is needed to purchase.



4. APP operation

1. Download APP

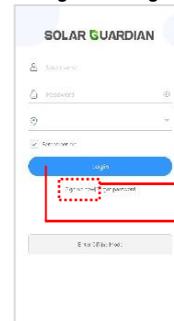
iOS QR code (or search for "Solar Guardian" in the Apple Store)



Android QR code



2. Register & Login

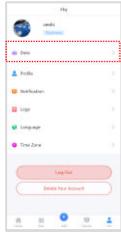


Download the APP and open it, click the "Sign up now" icon. Input the user name, email, verification code, and password, and then select the user type and system type from the drop-down box. Tick to agree with the privacy agreement and click the "Sign Up."

After registering, return to the APP. Input the user name and password, select country, tick the "Remember me" to log in quickly next time, and click the "Login" button to enter the APP.

Note: The Bluetooth adapter supports the "Offline Mode" only. Add the Bluetooth adapter and the connected device to the APP. Then you will be able to monitor the device and set parameters by APP.

3. Add device



Step 1: Log in to the APP, click "Me > Data," and select all products. And then click "Data Sync" to download all data.



Step 2: Return to the APP home page, click the "Go Offline" in the upper-right corner (or log out of the APP, and click the "Enter Offline Mode" on the initial page).



Step 3: Select the adapter type (Bluetooth).



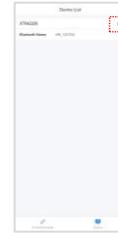
Step 4: Turn on the phone's Bluetooth switch and enable the "Bluetooth Configuration" to search the Bluetooth adapter automatically. Click the "Add" to connect the specified Bluetooth adapter.



Step 5: Return to the APP and click the "Device" icon to enter the "Device List" page. Click the "Add Device" or the \oplus in the upper-right corner to jump to the device addition interface.



Step 6: Input the product name, select the product series, set the communication ID, and click "Confirm" to complete the device adding.



Step 7: Click the icon on the "Device List" page to modify the device information.



Step 8: On the "Device List" page, click the device icon to display the device configuration figure and real-time data. Click the \dots icon in the upper right corner to view the device overview and set parameters.

5. Specifications

| Parameter | Model | EPEVER BLE RJ45 D |
|------------------------|-------|--------------------------------------|
| Working voltage | | 5V \pm 0.5V (Powered by RJ45 port) |
| Power consumption | | Average: 5V@10mA; Peak: 5V@60mA |
| Communication distance | | \leq 10m |
| Serial port baud rate | | 115200bps |
| Communication method | | RS485 to Bluetooth |

| | |
|-----------------------|----------------------------------|
| Connection port | RJ45 |
| Bluetooth protocol | Bluetooth 5.0 |
| Dimension (L x W x H) | 63mm x 19mm x 13.8mm |
| Work temperature | -20 $^{\circ}$ C~70 $^{\circ}$ C |
| Enclosure | IP30 |
| Net Weight | 8.0g |

Any changes without prior notice! Version number: V1.2