

E-WIFI 2.0 Dongle Connection Guide

Installer Code Description:

Installer Code: This code is used on the LuxpowerTek monitoring platform to link the end-user account with the corresponding installer or distributor account.

Step 1: Download and Install the App

Before starting, please download and install the LuxCloud App. Scan the QR codes below to download.



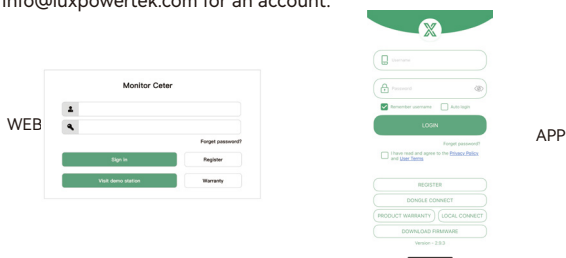
Android in Google Play



IOS in APPLE APP Store

Step 2: Register a Monitoring Account

1. Visit <http://server.luxpowertek.com> or register via the LuxCloud App.
2. If you are a distributor or installer, please contact your superior distributor or email info@luxpowertek.com for an account.



Step 3: Obtain the Installer Code

If you are using the new App version, the installer code associated with your system can be viewed or changed under "Profile" after you complete registration. A detailed instruction document is available from your equipment provider upon request.

If using the old App version, please obtain the installer code from your equipment provider before registering.

The installer code can also be found in the provider's monitoring account under "Profile".

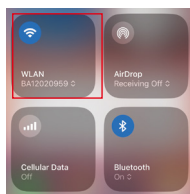
Step 4: Device Connection

You can connect the inverter to your home Wi-Fi network via LuxCloud App or Bluetooth.

A: Modify the Dongle AP Password

*The default password (12345678) must be changed before first use.

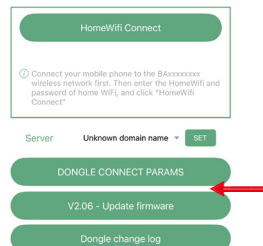
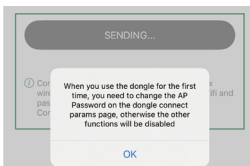
1. Insert the Dongle into a powered inverter and wait for the LED to flash.
2. On your phone's Wi-Fi list, find the hotspot matching the Dongle serial number (SN).
3. Connect to it with default password 12345678.



4. Open LuxCloud App, tap DONGLE CONNECT to enter the setup page.



5. Go to Dongle Connect Params and follow the prompts to change the AP Password.



Tips:

This pop-up appears after first use or factory reset. Click "OK" to continue.

6. In the AP Password field, enter the old password (default 12345678) and set a new one (8-32 characters, letters or numbers only; do not reuse 12345678).



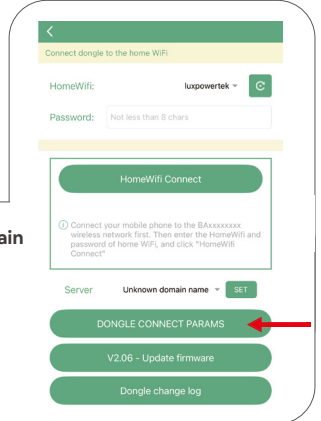
7. Tap SET to save.



*If You Need to Modify the AP Password Again

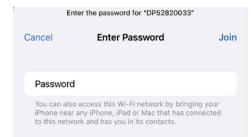
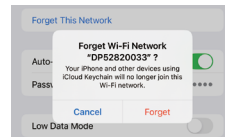
If you need to change it again, simply repeat steps 1-2 above.

After entering the interface, click Dongle Connect Params and follow the on-screen instructions to complete the password modification.



Tips:

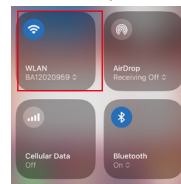
- The WiFi dongle password has been changed in the previous step. Therefore, when connecting to the dongle hotspot during the next setup, you must enter the new password to reconnect.
- If the correct new password is not entered, the phone will not be able to connect to the dongle hotspot.



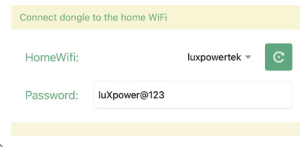
B: Network Configuration

(1) TCP Connection Setup

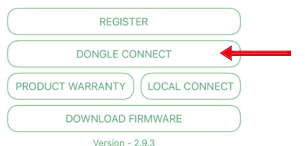
1. Connect your phone to the hotspot matching the Dongle SN and enter the new password.



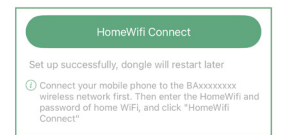
3. Enter your home Wi-Fi name and password under Home Wi-Fi.



2. Open LuxCloud App → tap DONGLE CONNECT.

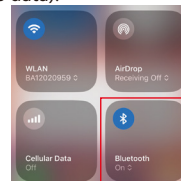


4. Tap Home Wi-Fi Connect. The Dongle will restart automatically and three LEDs will light up one by one to indicate success.



(2) Bluetooth Connection Setup

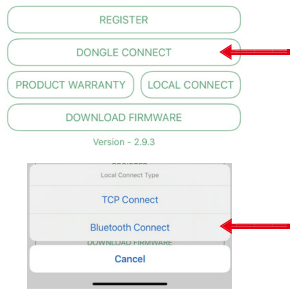
1. Turn on Bluetooth on your phone (it's recommended to disable mobile data).



2. Insert the Dongle into the inverter and press the bottom button for about 3 seconds to enable Bluetooth.



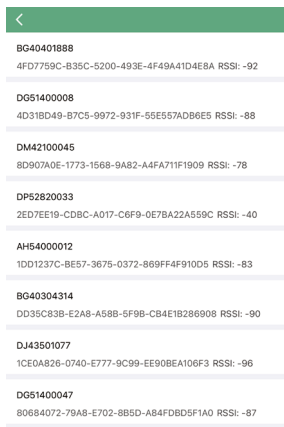
3. Open LuxCloud App → tap DONGLE CONNECT → select Set with Bluetooth.



5. Enter your home Wi-Fi name and password → tap Home Wi-Fi Connect.



4. Choose the correct Dongle SN from the device list.



6. When "Setup successful" appears, the Dongle will restart automatically.

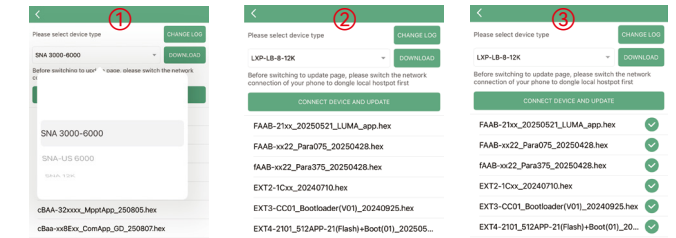
Firmware Update

Download Firmware to Local Storage

1. Connect your phone to Wi-Fi → open LuxCloud App → tap DOWNLOAD FIRMWARE.



2. Follow the on-screen prompts to select your inverter model and download the corresponding firmware.



3. After the download is complete, click CONNECT DEVICE AND UPDATE

Two Update Methods

(1) TCP Connection

Connect to the dongle hotspot → select TCP Connect → start the update.



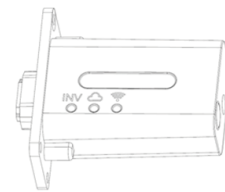
(2) Bluetooth Connection

Select Bluetooth Connect → press and hold the dongle button for about 3 seconds to enable Bluetooth → select the device SN and start updating.



After the Update is Complete.

When the update is complete, a pop-up window will display "Update firmware successful." Click OK to finish.



LED Indicator Description

LED Indicator	Presentation of LED State
INV LED	Communication between dongle and inverter
Cloud Icon LED	Communication between dongle and network
WiFi LED	Communication between dongle and Home WiFi

LED Status Explanation

LED Status	Working Status	Troubleshooting
All LEDs solid on	Communication normal	-
INV LED flashing	Communication failure between dongle and inverter	Check and ensure the connection between dongle and inverter is secure
Cloud Icon LED flashing	Internet connection failure	Verify if the router is working properly
WiFi LED flashing	Failure to connect to router	1. Check if the router is successfully connected 2. Verify that the home WiFi name and password are correct

Tips:

- If no operation within 5 minutes, Bluetooth will disconnect automatically.
- If no Wi-Fi is available on site, use "LOCAL CONNECT" to monitor and configure via Bluetooth directly.

Local Monitoring Connection

(1) TCP Local Connect

- Connect to the hotspot matching the Dongle SN.
- Open LuxCloud App → tap LOCAL CONNECT → select TCP Connect.

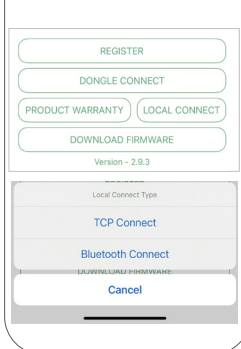


3. Once connected, you can view real-time data and device parameters.

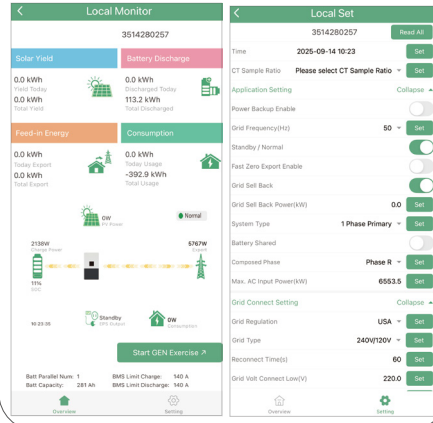
(2) Bluetooth Local Connect

- Insert the Dongle into a powered inverter and wait for the first LED to flash.
- Turn on Bluetooth and open LuxCloud App.

3. Tap LOCAL CONNECT → select Bluetooth Connect.



4. When the main and settings pages appear, you can adjust basic parameters.



Multiple Device Connection

If your system includes multiple inverters and dongles, please follow these steps:

- Use any dongle's SN and PIN to register an account.
- Log in to the App or Web platform.
- Add the SN and PIN of the remaining dongles to the same account.
- Configure Wi-Fi for each dongle individually.
- All dongles will connect independently and be monitored under the same account.



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