# Wi-Fi dongle for Solar Inverter

**LSW - 5**

**LSW - mini**

Dear Customer,

Thank you for your recent purchase of a Visiontek Solar Inverter. We truly appreciate your trust in our products and your commitment to a sustainable future.

Welcome to the Visiontek Family and thank you for making the switch to smarter, cleaner energy!

**A Product from An ISO 9001:2015 & ISO 14001:2015 Certified**

## Notice:

Please read this manual carefully before using products and keep it in the place where O&M providers can easily find.

Due to product upgrade and other factors, the content of this manual might change from time to time. Please take actual product as standard. Unless otherwise agreed herein, this manual will only be used as guidance. Any statement, information or suggestion in this manual will not take any form of responsibility. Without written permission, any content of this document (partly or entirely) cannot be extracted, copied or transmitted in any form by any company or individual.
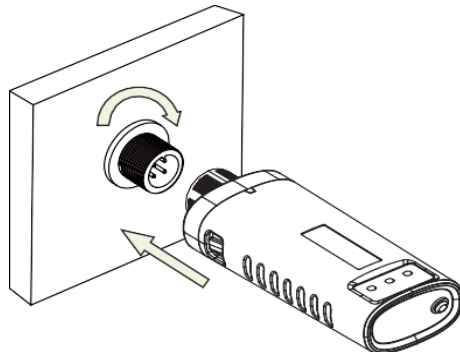
> ⚠ **Warning:**
> **Please remove logger after power off.**

## Download APP

Download **Visiontek Solar** APP.

## 1. Stick Logger Installation

Step1: Assemble logger to the inverter communication interface as shown in the diagram.



## 2. Logger Status
### 2.1 Check Indicator light – LSW - 5

| Lights | Implication | Status description(All lights are single green lights) |
|---|---|---|
| ● NET | Communication with router | 1. Light off: Connection to the router failed. <br> 2. On 1s/Off 1s (Slow flash): Connection to the router succeeded. <br> 3. Light keeps on: Connection to the server succeeded. <br> 4. On 100ms/off 100ms (Fast flash): Distributing network fast. |
| ● COM | Communication with inverter | 1. Light keeps on: Logger connected to the inverter. <br> 2. Light off: Connection to the inverter failed. <br> 3. On 1s/Off 1s (Slow flash): Communicating with inverter. |
| ● READY | Logger running status | 1. Light off: Running abnormally. <br> 2. On 1s/Off 1s (Slow flash): Running normally. <br> 3. On 100ms/Off 100ms (Fast flash): Restore factory settings. |

**The normal operation status of the stick logger, when router connected to the network normally:**

1. Connection to the server succeeded: NET light keeps on after the logger powered on.
2. Logger running normally: READY light flashes.
3. Connection to the inverter succeeded: COM light keeps on.

## 2.2   Check Indicator light – LSW mini

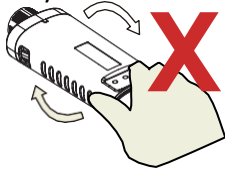| Lights | Implication | Status description(All lights are single green lights) |
|---|---|---|
| ● | Communication with inverter and server | 1. On 100ms/off 100ms: Connection to the inverter failed.<br>2. On 1s/Off 1s: Connection to the server failed.<br>3. Light keeps ON: Connection to the server and inverter succeeded.<br>4. Light keeps OFF: Power off / Connection to the server and inverter failed |

## 3. Abnormal State Processing (LSW – 5)

If the data on platform is abnormal when the stick logger is running, please check the table below and according to the status of indicator lights to complete a simple troubleshooting. If it still cannot be resolved or indicator lights status does not show in the table below, please contact Customer Support. (Note: Please use the following table)

| NET ● NET | COM ● COM | READY ● READY | Fault Description | Fault Cause | Solution |
|---|---|---|---|---|---|
| Any state | OFF | Slow flash | Communicate with inverter abnormally | 1. Connection between stick logger and inverter loosen.<br>2. Inverter does not match with stick logger's communication rate. | 1. Check the connection between stick logger and inverter. Remove the stick logger and install again.<br>2. Check inverter's communication rate to see if it matches with stick loggers.<br>3. Long press Reset button for 5s, reboot stick logger. |
| OFF | ON | Slow flash | Connection between logger and router abnormal | 1. Stick logger does not have a network.<br>2. Router Wi-Fi signal strength weak. | 1 .Check if the wireless network configured.<br>2. Enhance router Wi-Fi signal strength. |
| Slow flash | ON | Slow flash | Connection between logger and router normal, connection Between logger and remote server abnormal. | 1 .Router networking abnormal.<br>2. The server point of logger is modified.<br>3. Network limitation, server cannot be connected. | 1. Check if the router has access to the network.<br>2. Check the router's setting, if the connection is limited.<br>3. Contact our customer service. |
| OFF | OFF | OFF | Power supply abnormal | 1. Connection between stick logger and inverter loosen or abnormal.<br>2. Inverter power insufficient.<br>3. Stick Logger abnormal. | 1 .Check the connection, remove the stick logger and install again.<br>2 .Check inverter output power.<br>3 .Contact our customer service. |
| Fast flash | Any state | Any state | Networking status | Normal | 1 .Exit automatically after 2mins.<br>2. Long press Reset button for 5s, reboot stick logger.<br>3. Long press Reset button for 10s, restore factory settings. |
| Any state | Any state | Fast flash | Restore factory settings | Normal | 1 .Exit automatically after 1mins.<br>2. Long press Reset button for 5s, reboot stick logger.<br>3. Long press Reset button for 10s, restore factory settings. |

| ⚠ **Warning**: Please do not hold the logger body to rotate while install/remove | ⚠ **Do not remove the waterproof plug** |
|---|---|

# USER MANUAL for VISIONTEK SOLAR APP

Please make sure Bluetooth and Wi-Fi are ON and the router can connect to the network normally.

## 1. Registration

Go to VisiontekSolar app and register. Click "Register" and create your account here.

After verification enter account details like username, password and click on "Next".

Now click on "finish and login" login with your registered mail id & password.
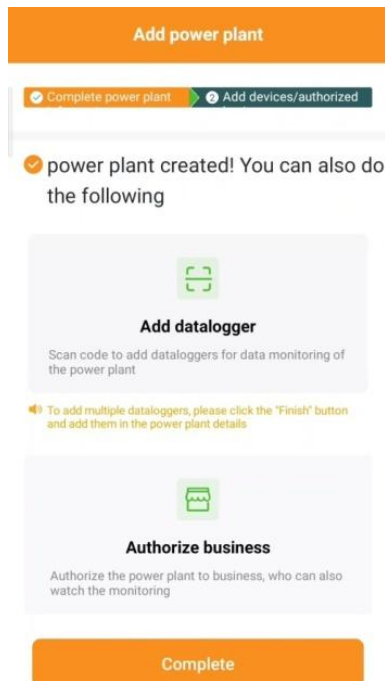
## 2. Create a Plant

Click "Create a power plant" to create your plant. Please fill in plant basic info and other info here. Click on "Save".
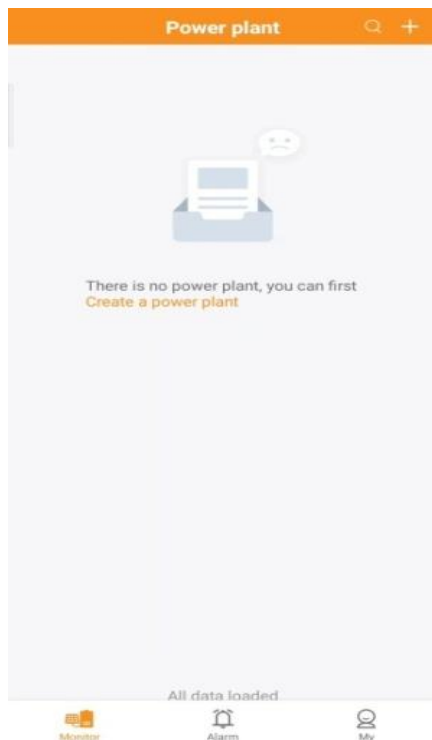


## 3. Add a logger

Click on "Add datalogger" and scan the QR code present on the dongle/ enter the serial number manually by clicking on "Enter SN" then click on OK.



To enter logger SN You can find logger SN in the external packaging or on the logger body.

## 4. Network Configuration

Step 1: Click "Wi-Fi Configuration" to set the network. (Please make sure Bluetooth and Wi-Fi is ON). Enter Wi-Fi connection details (does not supports 5G Wi-Fi network) and click on "Start to Configure".
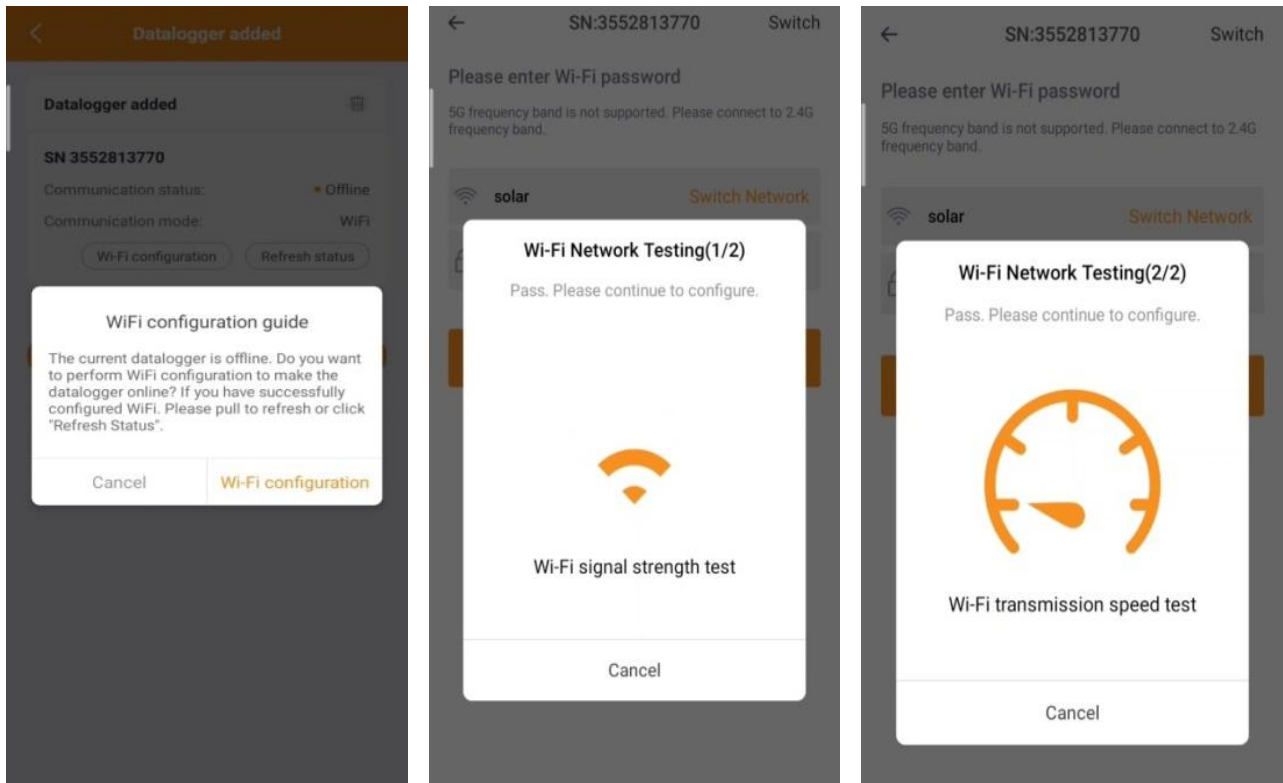


Step 2: Please wait for a few minutes. Then click "Done" and view plant data.
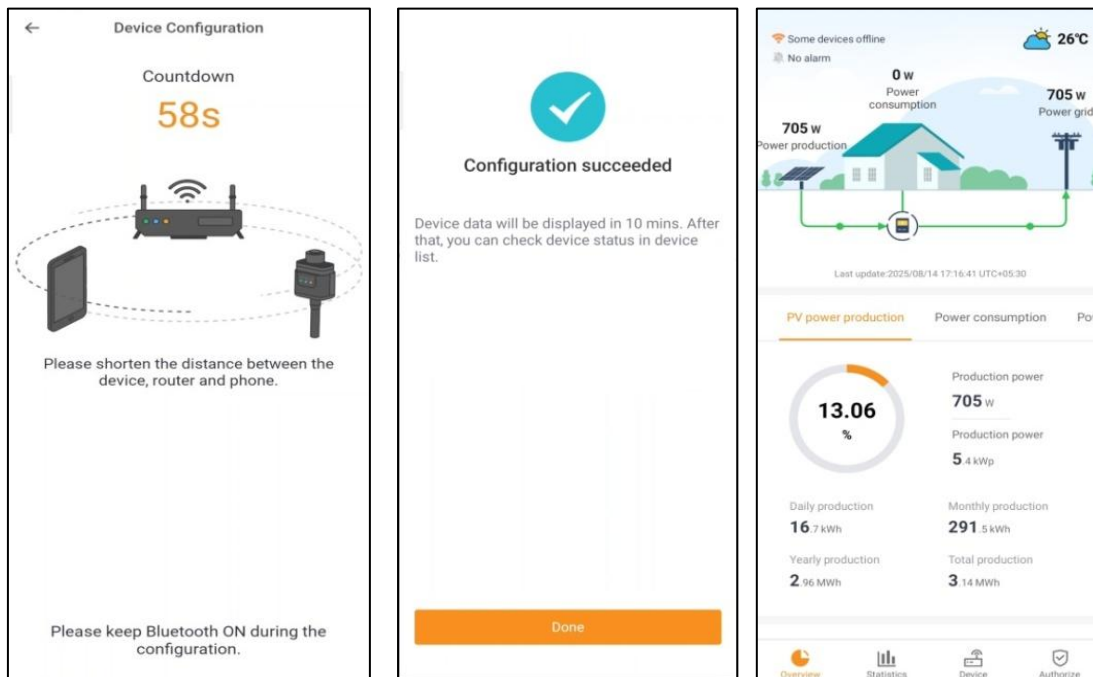
Step 3: Click on "Device" option, click on dongle serial number, and click on connection information. Click on inverter serial number to monitor inverter parameters like DC voltage, current, etc…, AC voltage, current, etc….
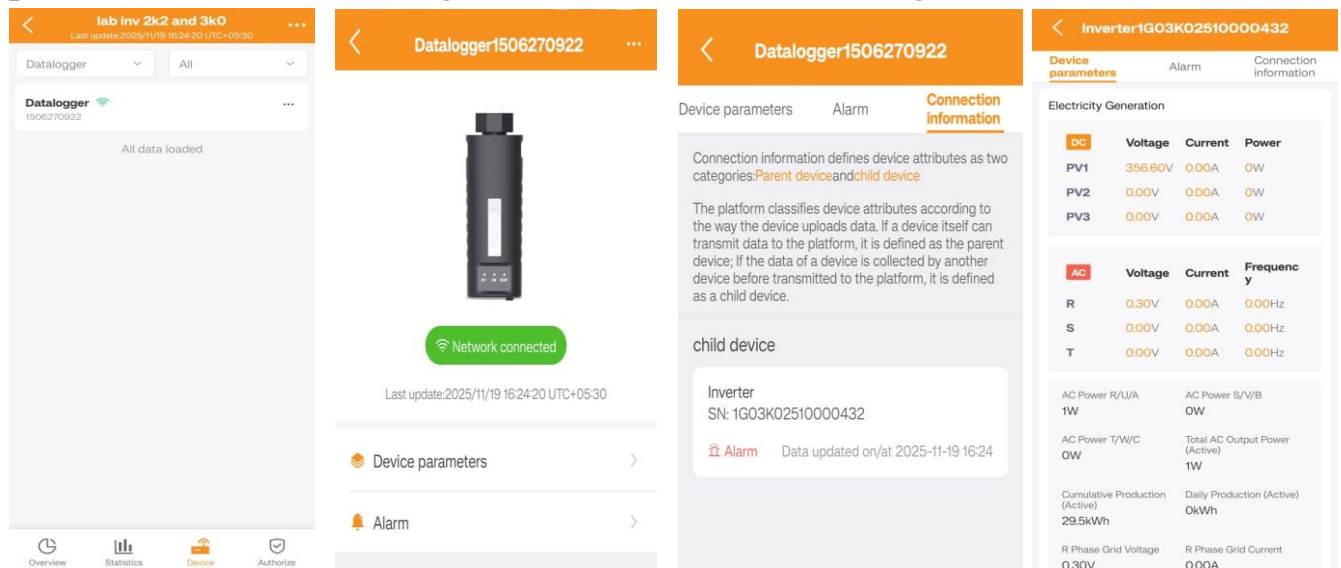


If configuration failure occurs, please check the following reason and try it again.

1） Make sure WLAN is ON.
2） Make sure Wi-Fi is normal.
3） Make sure wireless router does not implement the white-black list.
4） Remove the special characters in Wi-Fi network.
5） Shorten the distance between the phone and dongle.
6） Try to connect to other Wi-Fi

> ⚠ Warning: Please make sure the dongle is working properly before you leave the site. If there is abnormality do not leave the site and contact customer care support.

If you have any technical queries about our products, please contact us and provide the following information:

1. Product model and serial number of stick logger.
2. Product model and serial number of connected inverter. Thank you for your support and cooperation.

# >>VISIONTEK>>


Visiontek Solar APP


User manual

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