Introduction

Data Logging Stick WiFi is mainly used in Ginlong inverters to realize simple and quick access to Internet. Users can easily check device information by logging in the monitoring center (www.ginlongmonitoring.com). The communication topology is as shown below:

Inverter   Inverter   Inverter

Data Logging Stick WiFi   Data Logging Stick WiFi   Data Logging Stick WiFi

Wireless Router

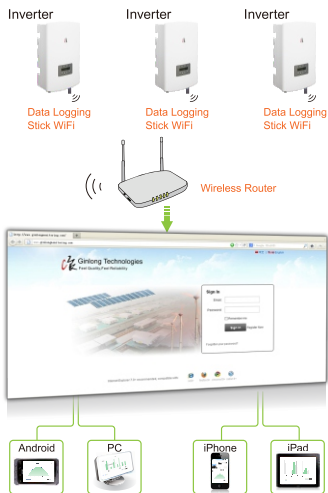# Data Logging Stick WiFi Quick User Manual

Ginlong-DLS Version: 1.0

SN:

Delivery Content
- 1 × WiFi
- 1 × Data Logging Stick WiFi Quick User Manual

Description of Symbols

NOTE

"Note" indicates additional information in the document and provides emphasis and supplements to the main contents. It also provides optimized product use skills or tips to save your time.

To ensure normal use of the device, before using the device, be sure that:
a. The connected wireless router can normally access to Internet;
b. The communication address of the inverter is "01". The communication address of inverters can be set on the LCD of inverters.
c. A WiFi-enabled mobile phone or a laptop computer are connected to this device for parameter setting.

1 Electrical Connection

Connect WiFi to the corresponding interface on the inverter. 5K inverter will be used as an example in this manual. Please perform relevant operations as indicated below:

Groove
Data Logging Stick WiFi Interface

Data Logging Stick WiFi Installation
1. Insert WiFi Stick into RS485/WiFi interface.
2. Fasten the WiFi monitor.

NOTE

The device must be kept away from large metal objects and electrical devices with strong magnetic fields, such as microwave oven, refrigerator, cordless phone, concrete wall, PV panel and metal wall, to ensure the communication quality. Communication quality may be affected in lightning storms.

2 Parameter Setting

2.1 Setting up WiFi connection with iphone

The WiFi will perform self-check for 30 seconds after power-up. Wait for 30 seconds and then set up wireless network connection to WiFi via a mobile phone, iPad or laptop computer with wireless network adapter or WiFi function. iPhone 4 mobile phone will be used as an example as follows.

2.2 Connection via WiFi with PC

Notice: The setting hereinafter is operated with Windows XP for reference only. If other operating systems are used, please follow the corresponding procedures.

1. Prepare a computer or device, e.g. tablet PC and smartphone, that enables WiFi.
2. Obtain an IP address automatically
   ⑦ Open **Wireless Network Connection Properties**, double click **Internet Protocol(TCP/IP)**.

Click Setting   Select Wi-Fi to enable the Wi-Fi function   Start WiFi to search wireless networks

NOTE

The network number is the serial number of the WiFi Stick.The serial number of WiFi Stick above is AP_501292599.

S/N:501292599

If a tick appears, it indicates the connection is successful

Click to connect WiFi
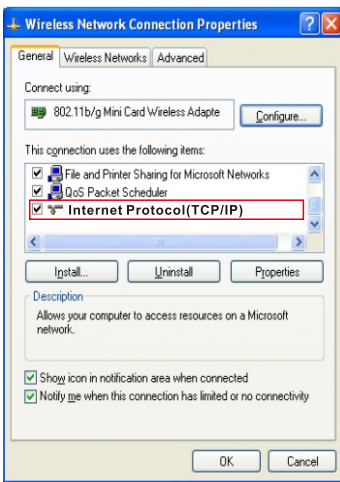
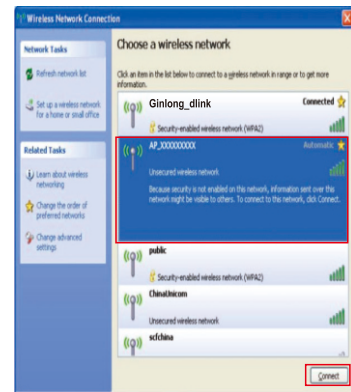② Select **Obtain an IP address automatically**, and click **OK**.
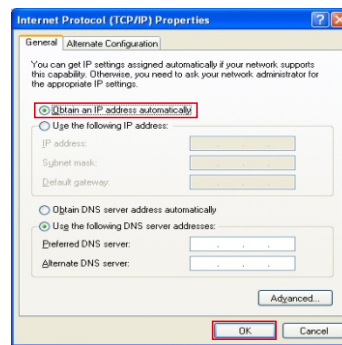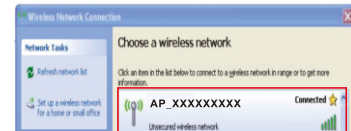

3. Set WiFi connection to the data logger
   ⑦ Open wireless network connection and click **View Wireless Networks**.
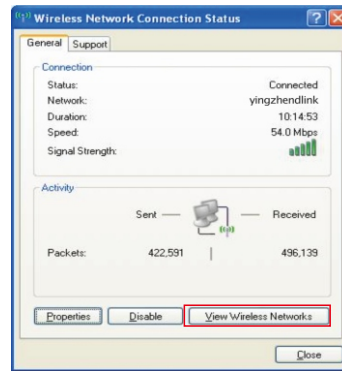
② Select wireless network of the data logging module, no passwords required as default. The network name consists of **AP** and the **serial number of the product**.Then click **Connect**.

2.3 Set parameters of data logger

(a) Open a web browser, and enter **10.10.100.254**, then fill in username and password, both of which are **admin** as default.

Supported browsers: Internet Explorer 8+, Google Chrome 15+, Firefox 10+

10.10.100.254

admin
admin

③ Connection successful.

(b) In the configuration interface of data logger, you can view general information of the data logger.

Follow the setup wizard to start quick setting.

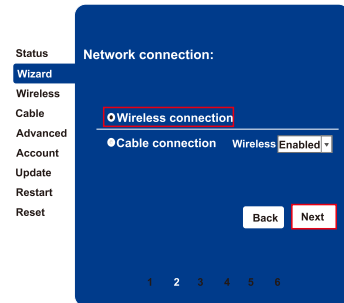⑦ Click **Wizard** to start.

② Click **Start** to continue.

Dear user:

Thank you for choosing our device. Next, you can follow the setup wizard to complete the network setting step by step; or you can select the left menu for detailed setting.
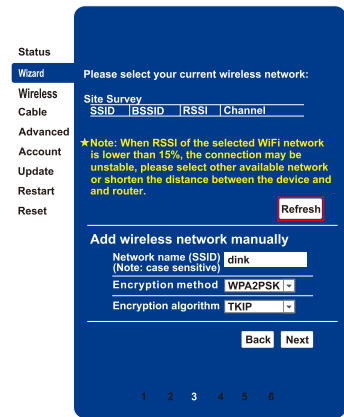
★Note: Before setting, please make sure that your wireless or cable network is working.

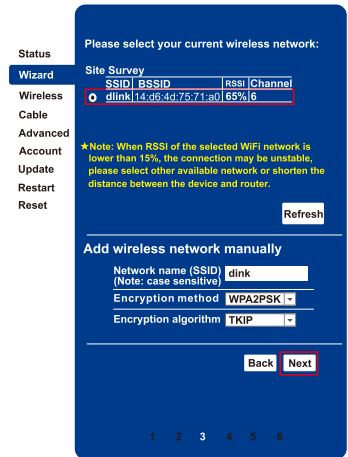Start

③ Select **Wireless connection**, and click **Next**.

Network connection:

- Wireless connection
- Cable connection   Wireless Enabled ▾

Status
- Wizard
- Wireless
- Cable
- Advanced
- Account
- Update
- Restart
- Reset

Back   Next

1 2 3 4 5 6

④ Click **Refresh** to search available wireless networks, or add it manually.

Status
- Wizard
- Wireless
- Cable
- Advanced
- Account
- Update
- Restart
- Reset

Please select your current wireless network:

Site Survey
SSID | BSSID | RSSI | Channel

★Note: When RSSI of the selected WiFi network is lower than 15%, the connection may be unstable, please select other available network or shorten the distance between the device and router.

Refresh

Add wireless network manually

Network name (SSID) dlink
(Note: case sensitive)
Encryption method WPA2PSK ▾
Encryption algorithm TKIP ▾

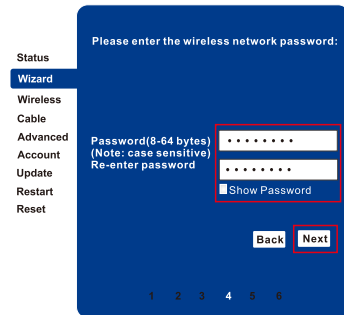Back   Next

1 2 3 4 5 6

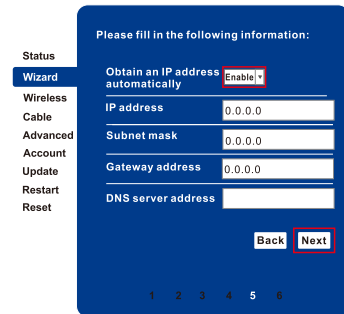⑤ Select the wireless network you need to connect, then click **Next**.

Notice: If the signal strength (RSSI) of the selected network is <10%, which means unstable connection, please adjust the antenna of the router, or use a repeater to enhance the signal.
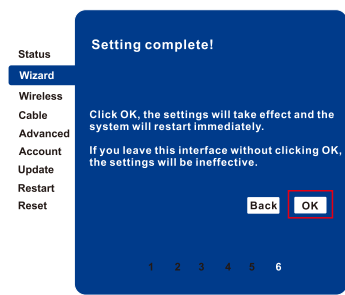
Status
- Wizard
- Wireless
- Cable
- Advanced
- Account
- Update
- Restart
- Reset

Please select your current wireless network:

Site Survey
SSID | BSSID | RSSI | Channel
dlink | 14:d6:4d:75:71:a0 | 65% | 6

★Note: When RSSI of the selected WiFi network is lower than 15%, the connection may be unstable, please select other available network or shorten the distance between the device and router.

Refresh

Add wireless network manually

Network name (SSID) dlink
(Note: case sensitive)
Encryption method WPA2PSK ▾
Encryption algorithm TKIP ▾

Back   Next

1 2 3 4 5 6

⑥ Enter the password for the selected network, then click **Next**.

Status
- Wizard
- Wireless
- Cable
- Advanced
- Account
- Update
- Restart
- Reset

Please enter the wireless network password:

Password(8-64 bytes) ••••••••
(Note: case sensitive)
Re-enter password ••••••••

☐ Show Password

Back   Next

1 2 3 4 5 6

⑦ Select **Enable** to obtain an IP address automatically, then click **Next**.

Status
- Wizard
- Wireless
- Cable
- Advanced
- Account
- Update
- Restart
- Reset

Please fill in the following information:

Obtain an IP address automatically Enable ▾
IP address 0.0.0.0
Subnet mask 0.0.0.0
Gateway address 0.0.0.0
DNS server address

Back   Next

1 2 3 4 5 6

⑧ If setting is successful, the following page will display. Click **OK** to restart.

Status
- Wizard
- Wireless
- Cable
- Advanced
- Account
- Update
- Restart
- Reset

Setting complete!

Click OK, the settings will take effect and the system will restart immediately.

If you leave this interface without clicking OK, the settings will be ineffective.

Back   OK

1 2 3 4 5 6

⑨ If restart is successful, the following page will display.

Status
- Wizard
- Wireless
- Cable
- Advanced
- Account
- Update
- Restart
- Reset

Setting complete! Please close this page manually!

Please login our management portal to monitor and manage your PV system(Please register an account if you do not have one).

To re-login the configuration interface, please make sure that your computer or smart phone and device are in the same network segment, and enter the new IP address of the device to access the interface.

③ Register on Ginlongmonitoring

Open a web browser and visit the Ginlongmonitoring website: http://www.ginlongmonitoring.com

Supported browsers: Internet Explore 8+, Google Chrome 10+, Firefox 9+, Safari 4+

① Click **Register Now**.

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Fast Quality, Fast Reliability

Sign In
Email:
Password:
☐ Remember me
Sign In Register Now

Forgotten your password?
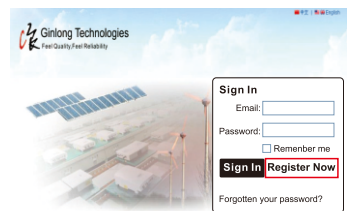
② Fill in your email address and password, then click **Next**.

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Create a New Account

Email: — Please input a valid Email address, used for login and password retrieving.
Confirm Email: — Please re-input a valid Email address.
Account Type: End User ▾
Password: — 6-16 characters, case sensitive.
Confirm Password: — 6-16 characters, case sensitive.

☑ I accept Terms of Service

Next   Cancel

③ Fill in the information as required, then click **Complete**.

Create a New Account

Site Name — Maximum 20 Letters
Upload Image Default.jpg — Recommanded image size: 300px × 220px

OK

Country China ▾
Province/State Zhejiang ▾
City Ningbo ▾
Street — Locate Your Site On Map
ZIP Code
Timezone (GMT+08:00)B ▾
Number Format 1234567.89 ▾
Temperature Unit ℉ ▾
System Size(kWp)
Feed-in Tariff(FIT) AUD ▾
Panel Type 3S ▾
Inverter Type Ginlong ▾
Description

☑ Make This Site Public

Registration
Datalogger S/N ⊕
Installer

**Contact**
Name
Phone

Complete   Cancel

④ Log in Ginlongmonitoring website to manage power station

After successful registration, open the login page of Ginlongmonitoring and input your E-mail and password to access the monitoring system and start monitoring and management of power plants.
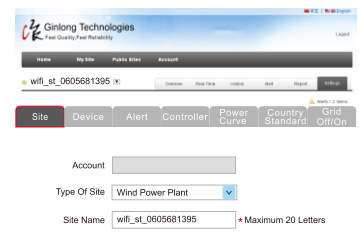
Ginlong Technologies

Sign In
Email:
Password:
☐ Remember me
Sign In Register Now

Forgotten your password?
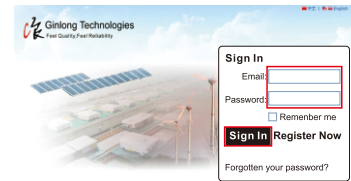
Notice: If users access the monitoring system for the first time within ten minutes after successful registration, please check the "*Real Time*" interface. If there are data shown in the Real Time interface, network setting of data logger and other connection are deemed successful.
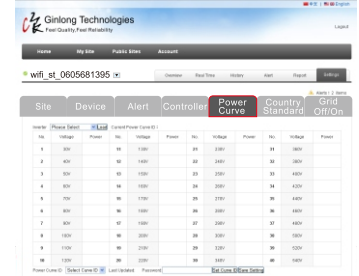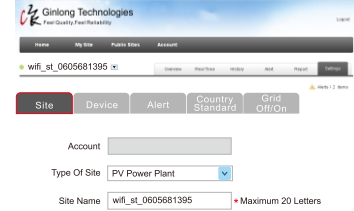
Ginlong Technologies

wifi_st_0605681395

Real Time
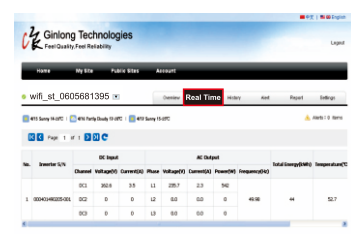
⑤ Remote setting of Ginlongmonitoring

For example, set the station for 'Wind Power Plant' as the following pictures.

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wifi_st_0605681395

Site Device Alert Controller Power Curve Country Standard Grid Off/On

Account
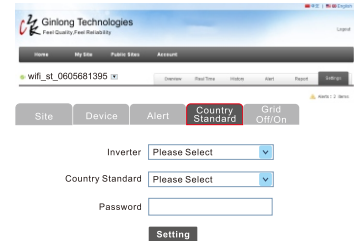Type Of Site Wind Power Plant ▾
Site Name wifi_st_0605681395 — Maximum 20 Letters

There are four remote setting functions of 'Grid Off/On', 'Country Standard', 'Controller', 'Power Cure' under the 'Setting' choice.

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wifi_st_0605681395

Site Device Alert Controller Power Curve Country Standard Grid Off/On

For another example, set the station for 'PV Power Plant' as the following pictures.

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wifi_st_0605681395

Site Device Alert Controller Power Curve Country Standard Grid Off/On

Account
Type Of Site PV Power Plant ▾
Site Name wifi_st_0605681395 — Maximum 20 Letters

There are two remote setting functions of 'Grid Off/On', 'Country Standard', under the 'Setting' choice.

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wifi_st_0605681395

Site Device Alert Controller Power Curve Country Standard Grid Off/On

Inverter Please Select ▾
Country Standard Please Select ▾
Password

Setting