WLAN Dongle Quick Start Guide

About Product

The WLAN Dongle (model: DG-WF-H) is a smart communication expansion module that works with Anker SOLIX X1 series products. It enables inter-device connection and cloud communication using WLAN.

Communication Networking

- The WLAN Dongle allows for the connection of the Anker SOLIX X1 Power Module (model: X1-P6K-US, X1-P6K-S) to the router.

- When cascading multiple power modules (up to six), only one WLAN Dongle should be used for networking.

- The power module that has the WLAN Dongle installed is the master module in the network, with all other power modules acting as slave modules. Through cascading, slave modules are able to communicate with the WLAN Dongle.

- Ensure the wireless network is undisturbed and that the signal strength is normal.
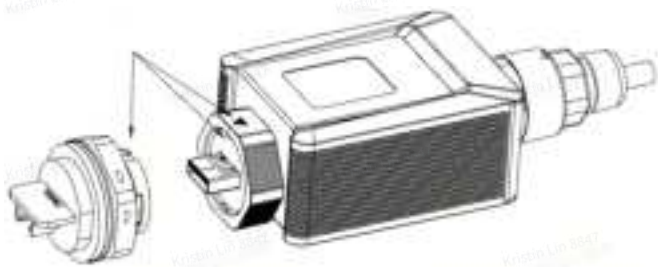

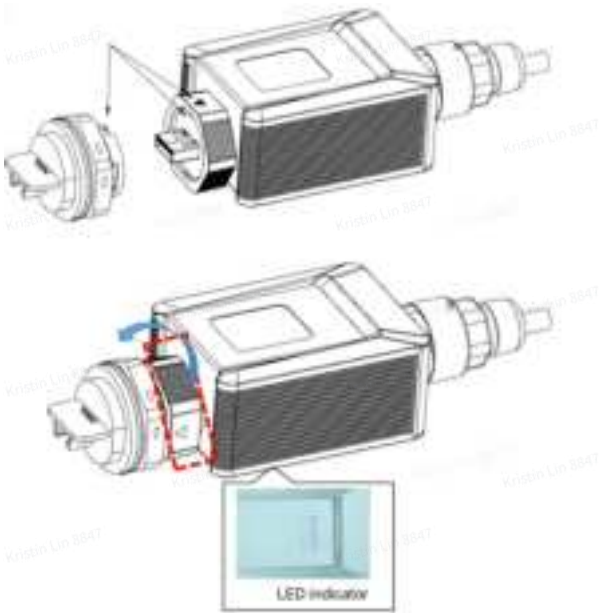|	
- - - - -	Indicates wireless communication.
——————	Indicates wired communication.
	Indicates optional components.

Installation

① Insert the WLAN Dongle into the Wi-Fi port on the power module with the LED indicator facing away from you. Ensure that the arrow on the WLAN Dongle aligns with the notch of the Wi-Fi port.

② Rotate the head of the WLAN Dongle clockwise to tighten it.

LED indicator

- To unlock and take out the WLAN Dongle, rotate the head of the WLAN Dongle counterclockwise.

Commissioning

① Power on the Anker SOLIX X1 Power Module.

② Download the Anker Pros app from the App Store (iOS devices) or Google Play (Android devices).

③ Log into the app using the installer's account.

④ Follow the in-app instructions to complete commissioning.

Specifications

Specifications are subject to change without notice.

Wi-Fi	
Standard	2.4GHz 802.11b/g/n compatible
Security	802.11i (WPA, WPA2)
Working Mode	Client
Data Rate	Up to 150Mbps (theoretical value)
Antenna	Built-in, support one transmit and one receive path (1T1R)
TX Power	17 dBm @ CCK 16.5 dBm @ OFDM 16.5 dBm @ MCS
Sensitivity	-88 dBm @ CCK -75 dBm @ OFDM -69 dBm @ MCS
Ethernet	
Standard	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseTX
Speed	10/100 Mbps, Auto MDI/MDIX
Bluetooth	
Standard	Bluetooth v4.2 BLE
Range	10m / 33ft
Speed	1Mbps (theoretical value)

Interface

RS-485	One port
Input Voltage	8VDC

Environment

Operating Temperature	-40°F to 158°F / -40°C to 70°C
Storage Temperature	-40°F to 185°F / -40°C to 85°C
Humidity	5% to 95% non-condensing

Connector

Pin 1	V+
Pin 2	RS-485 B (D-)
Pin 3	RS-485 A (D+)
Pin 4	GND

LED indicators

Power	Off: powered off
	On: powered on by DC input
	Flashing: normal communication
Fault	Off: normal operation
	On: fault detected

Mechanical specifications

Dimensions	40×20×13.7 in / 102×50×35 cm
Enclosure	Plastic
Rating	IP65

Customer Service

✉ support@anker.com

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(DE) +49 (0) 69 9579 7960

+49 (800) 000 2522 (Anker SOLIX)

Safety Information

Important Safety Instructions

- Unless specifically indicated that it is safe to do so in the user guide or instruction manual, do not use this device in an environment that exceeds the recommended low or high temperature.

- Unless specifically indicated that it is safe to do so in the user guide or instruction manual, avoid exposing your device to direct sunshine or excessively wet environments.

- The suitable temperature for this device is -40°F to 158°F / -40°C to 70°C.

- It is recommended to supply the device in an environment with a temperature that ranges from - 41°F to 77°F / 5°C to 25°C.

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: (1) Reorient or relocate the

receiving antenna. (2) Increase the separation between the equipment and receiver. (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. (4) Consult the dealer or an experienced radio/TV technician for help.

FCC Radio Frequency Exposure Statement

The device has been evaluated to meet general RF exposure requirements. The device can be used in fixed/mobile exposure conditions. The min separation distance is 20cm.

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

The following importer is the responsible party.

Company Name: Fantasia Trading LLC

Address: 5350 Ontario Mills Pkwy, Suite 100, Ontario, CA 91764

Telephone: +1-800-988-7973

Declaration of Conformity

CE

This product complies with the radio interference requirements of the European Community.

Hereby, Anker Innovations Limited declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. For the declaration of conformity, visit the Web site:

https://support.anker.com/s/articleRecommend?
otherType=Anker_EN_Extemal_Manual_and_Download&secondType=doc

RF Exposure Information

The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of d=20 cm between the device and the human body. To maintain compliance with RF exposure requirements, use products that maintain a 20cm distance between the device and human body.

Frequency bands and power are as below:

Function	Bands	Operation Frequency	Max.Power
Wi-Fi	2.4GHz	2412-2472MHz	EIRP $<$ 20 dBm
BT	2.4GHz	2402-2480 MHz	EIRP $<$ 10 dBm

The following importer is the responsible party (contract for EU matters):

Anker Innovations Deutschland GmbH I Georg-Muche-Strasse 3, 80807 Munich, Germany

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Proper disposal and recycling helps protect natural resources, human health, and the environment. For more information on the disposal and recycling of this product, contact your local municipality, disposal service, or the shop where you bought this product.

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