ECU-3Z Energy Communication Unit Quick Installation Guide

Version: W2

This guide is for reference only and assumes you have access to, and have read the detailed instructions in the ECU-3Z Installation/Users Manual (available at APsystems.com).

Step 1: Power-on ECU

Plug the AC power cord into the AC input on the ECU, and then plug the other end into a dedicated wall outlet.

Step 2: Adjust the radiation angle

The radiation angle of ECU antenna is indicated as below:
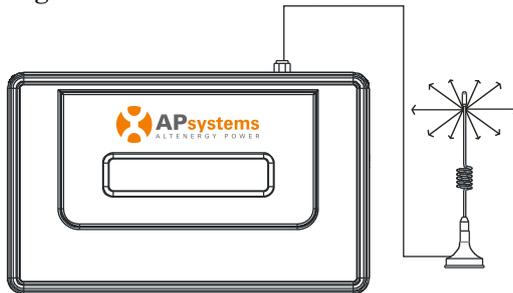
- Please make a appropiate angle for the ECU, which is parallel the antenna of the Microinverter.

Antenna of Microinverter
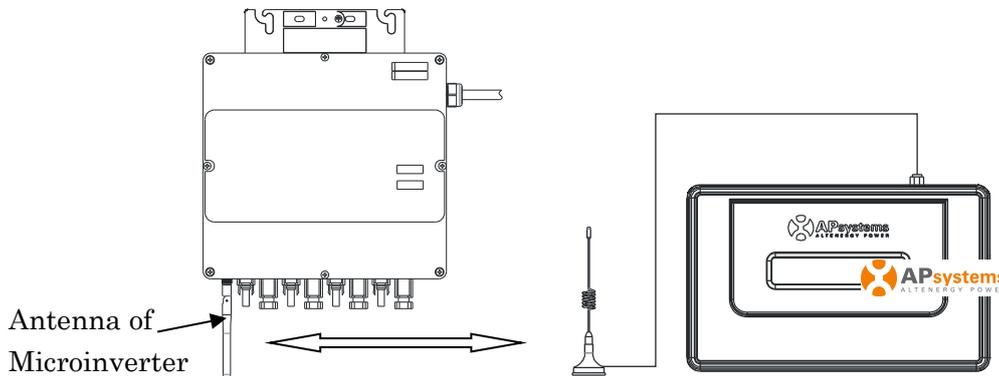
Step 3: Connect ECU to Internet

Option 1: LAN connection – use the LAN Cable to connect ECU to a Broadband Router.
Option 2: WiFi connection.

- Keep pressing the button "Menu" until the screen shows "Turn on LWA". Then the LWA function of ECU is opened.
- Turn on the Wi-Fi function on PC. Connect to the ECU's Wi-Fi named with ECU-WIFI_xxxx(the"xxxx"refers to the last 4 numbers of the ECU ID), and connect. The first connection has no password.
- Open an internet browser and enter the IP address 172.30.1.1 into the URL search field. Click "Administration" - "WLAN", and turn on the WLAN function, then connect to the router via WiFi. For details, please refer to ECU-3Z user manual.

LAN IP address

L: 192.168.1.101
W: 192.168.1.102

Wireless IP address
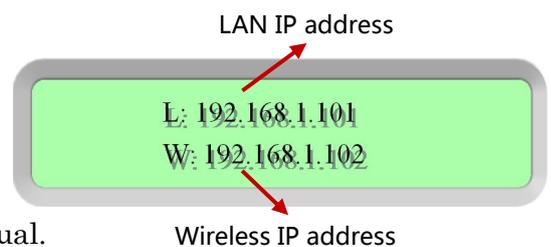
The ECU will automatically obtain the LAN IP address, such as: 192.168.1.101, and connect to the internet. *If the LAN IP address shows "192.168.131.228", it means the ECU failed to get IP address. Make sure the connection between ECU and Router is working well, then reboot ECU and it will obtain IP address.*

Step 4: Connect microinverters to ECU.

1) Using a computer that is connected to the internet, enter the LAN IP address or wireless IP address from the ECU display into the Internet Browser. This should bring up the screen below.

Home	Real Time Data	Administration

Home	
ECU ID	214000002272
Lifetime generation	5.37 kWh
Last System Power	400 W
Generation of Current Day	1.95 kWh
Last Connection to website	2016-08-05 15:38:20
Number of Inverters	1
Last Number of Inverters Online	1
Current Software Version	W2.0
Current Time Zone	Asia/Shanghai
ECU Eth0 Mac Address	80:97:1B:00:7A:7E
ECU Wlan0 Mac Address	60:C5:A8:E4:18:1E

2016-08-05 15:47:43
Friday

ENVIRONMENTAL BENEFITS

CO_2 Offset Equivalent to

0 GALLONS

0 TREES

3 KG

2) Click *"Administration"*, then click *"ID management"*, and enter the inverter IDs into the ID Management box, or use the Scanning Gun to scan the inverter IDs and copy into the ID Management box. Or using the EMA App, scan the inverter IDs by mobile phone.

Home	Real Time Data	Administration

ID Management	
501000010141	
Update Clear ID	

ID Management
Date,Time,Time Zone
Language
Network Connectivity
WLAN
Firmware Update
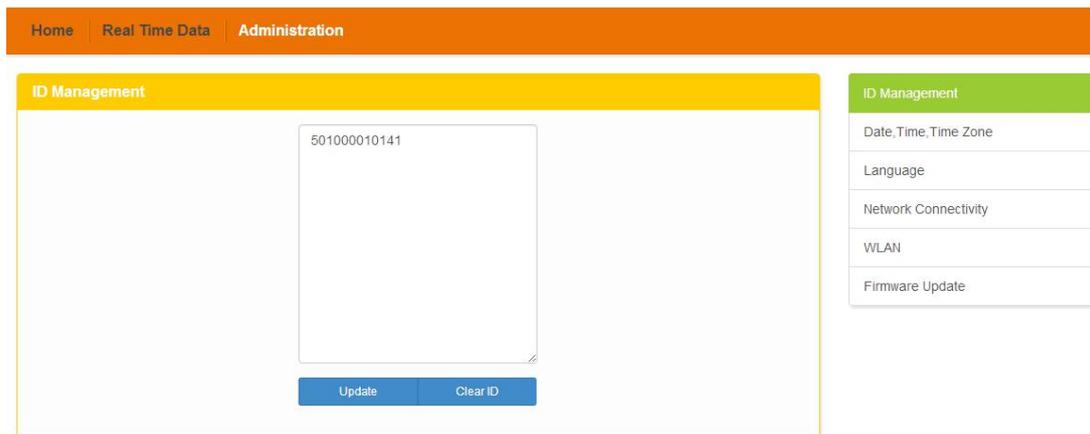
3) Click *"Update"*, and the ID will be updated in the ECU.

Step 5: Check power of the microinverters

1) Click *"Real Time Data"* from the ECU Home, to view the real-time power of all microinverters.

Home	Real Time Data	Administration
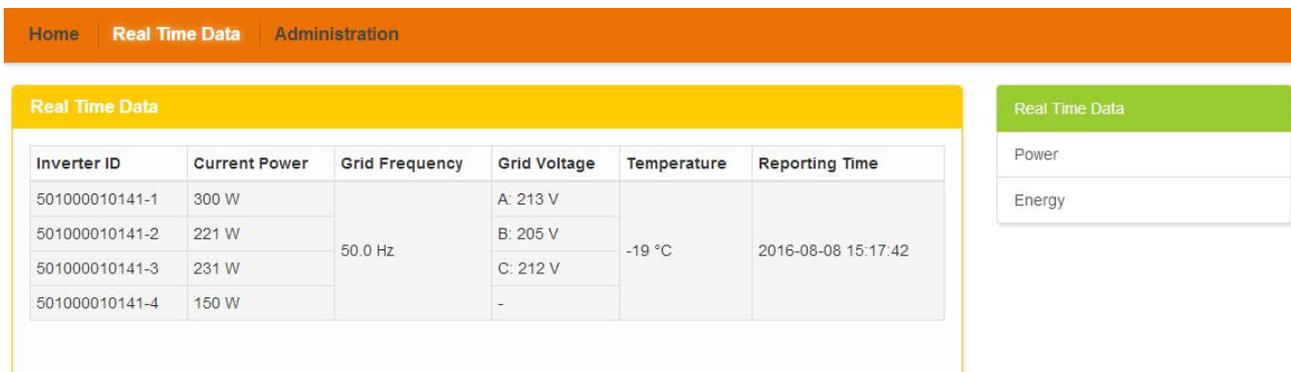
Real Time Data					
Inverter ID	Current Power	Grid Frequency	Grid Voltage	Temperature	Reporting Time
501000010141-1	300 W		A: 213 V		
501000010141-2	221 W	50.0 Hz	B: 205 V	-19 °C	2016-08-08 15:17:42
501000010141-3	231 W		C: 212 V		
501000010141-4	150 W		-		

Real Time Data
Power
Energy

2) If a microinverter does not show up, please confirm if the inverter's ID is correctly input.

Step 6: Configure time-zone

·Click *"Administration"*, then *"Date, Time, Time-zone"*.

Product information is subject to change without notice.

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