



Quick Start Guide

Energy Communication Unit (ECU) for CAT5

Version 1.0 10/16

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NOTE: The ECU uses two functionally separate protocols: TCP I.P. and Power Line Communications (PLC). Do not plug ECU into a surge protector or power strip, only in a wall outlet for PLC. This Quick Start is not for a direct connect to a laptop/desktop.



Minimum requirements: Standard AC Electrical Outlet

Computer to program inverters through with a web browser (i.e. Explorer, Firefox, Chrome)

Router

Additional Requirements if connecting to the Energy Monitoring Analysis (EMA) web site (see EMA quick start):

Internet connection

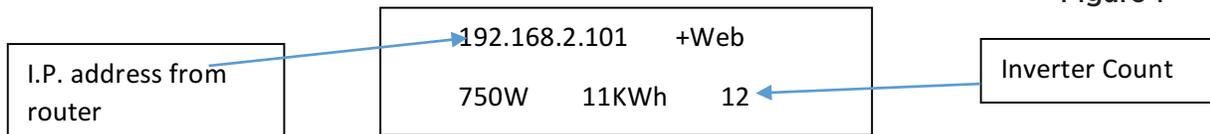


Figure 1

If not already selected, select setting in the upper left hand corner to modify setting to your preference

STEP 1. Log in to a computer that is connected to the customer LAN. Ensure that a CAT 5 cable is going from the ECU to the customer's router. Then plug into power outlet.

STEP 2. Enter the IP address shown on the ECU display into the URL address section of the web browser. Press Enter on keyboard. (e.g. 192.123.15.09)

IP address

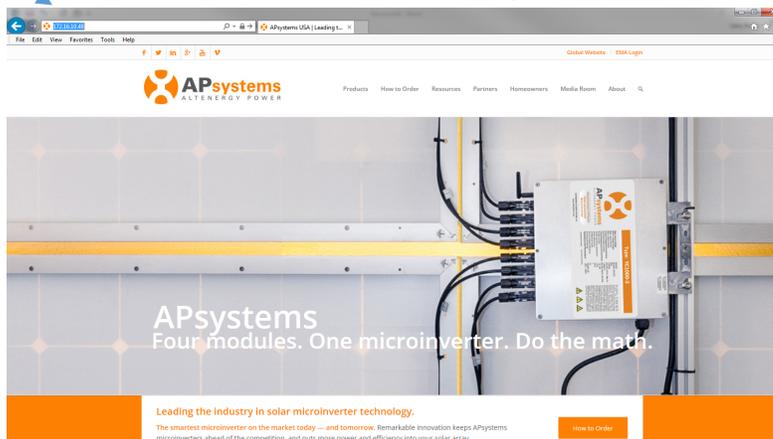


Figure 2

STEP 3. The default APsystems home screen will be displayed

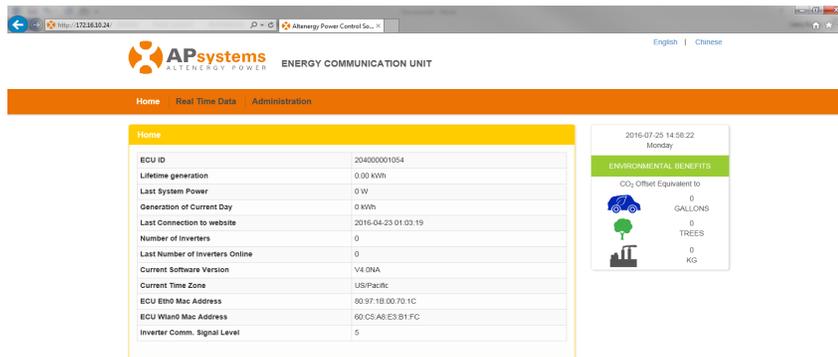


Figure 3

STEP 4. Select 'Administration' then select "WLAN"

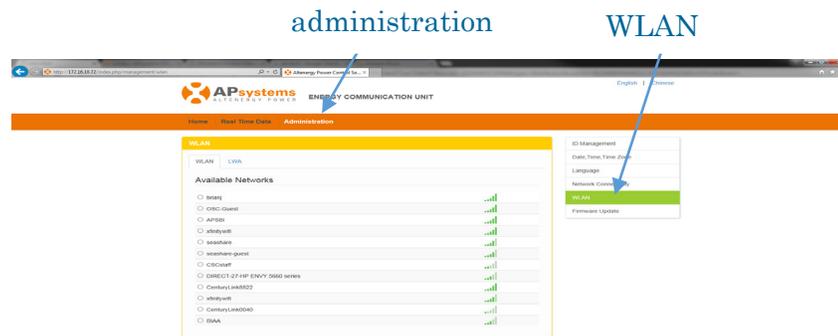


Figure 4

STEP 5. Under the yellow WLAN line, you should see "WLAN & LWA". Select LWA

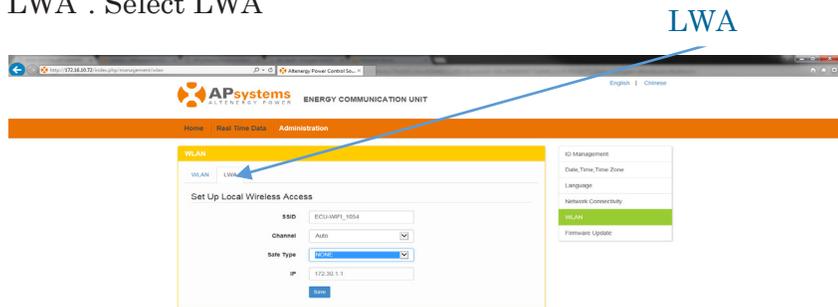


Figure 5

STEP 6. Under the “Safe Type” drop down, select “WEP” and put in a five digit number e.g. 94334 for the “Password”. Select “Save”. The ECU will reboot.

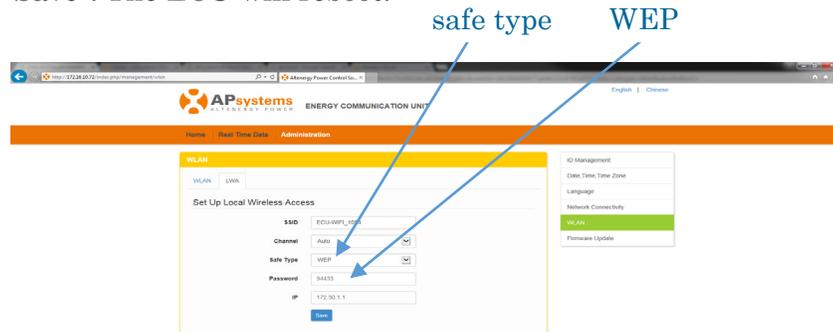


Figure 6

STEP 7. Once the ECU reboots, the Administration page should reload, if not then refresh. Select “Administration” menu, select “WLAN” tab. Select the desired network, then type in the password for the network (homeowner should know) and select “connect”.

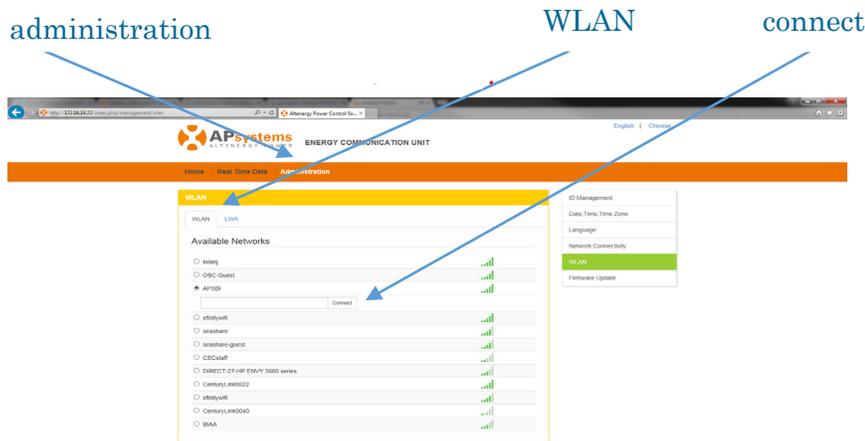


Figure 7

STEP 8. At this point, you should see “SSID” showing what network you’re connected too. If you have registered your customer on the EMA, all the inverters should download to the ECU.

STEP 9. If you’re not connecting to the Energy Monitoring Analysis (EMA), the online monitoring portion, continue with steps 10 and 11.

STEP 10. Select ‘Administration’ tab to input inverter numbers and then select update

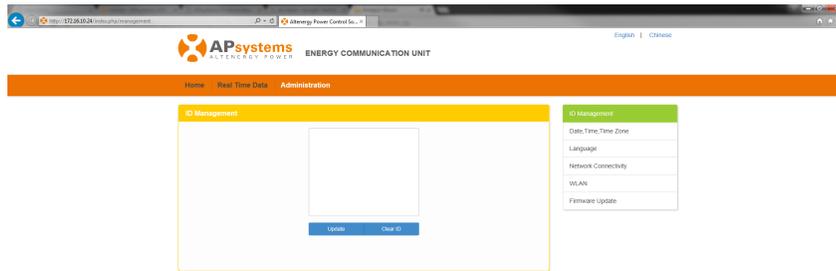


Figure 8

STEP 11. Select Date, Time, Time Zone in the “Administrative” tab, update as appropriate

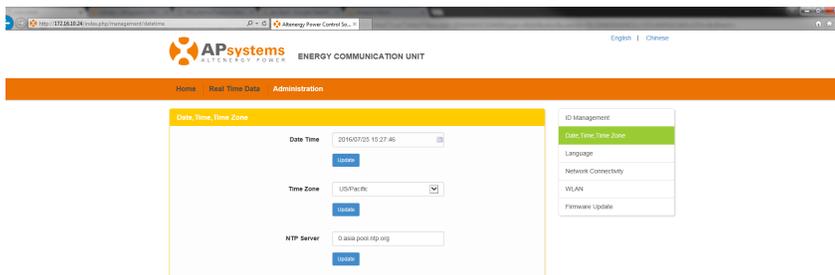


Figure 9