

Connecting to the AcuRev 2020 through WiFi

The following guide will provide an overview on connecting to the web interface of the AcuRev 2020 meter through WiFi.

Note: Only the AcuRev 2020 with WEB module supports communication via WiFi.

The provided antenna must be connected to the meter.

Once powered on the AcuRev 2020 will appear in the list of WiFi networks available with the SSID or name of the wireless network as the **serial number of the AcuRev 2020 meter**.

- By default, the network key or password will be "accuenergy".



Figure 1

By default the AcuRev 2020 will be in Access Point mode with default IP address of 192.168.100.1. Ensure the device connecting to the AcuRev has its DHCP enabled or it should be in the same subnet mask as the AcuRev 2020.

- Open a internet browser and type in the IP address of the AcuRev 2020: **192.168.100.1**
- Log in at Admin access level, using the default password of '**admin**'.

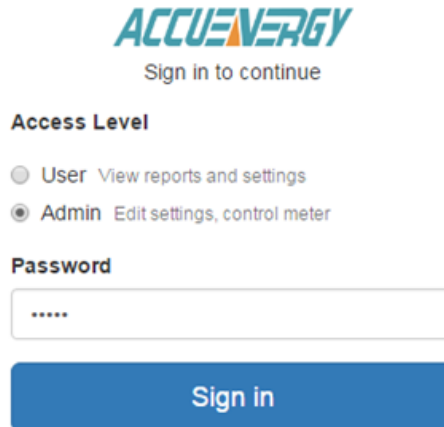
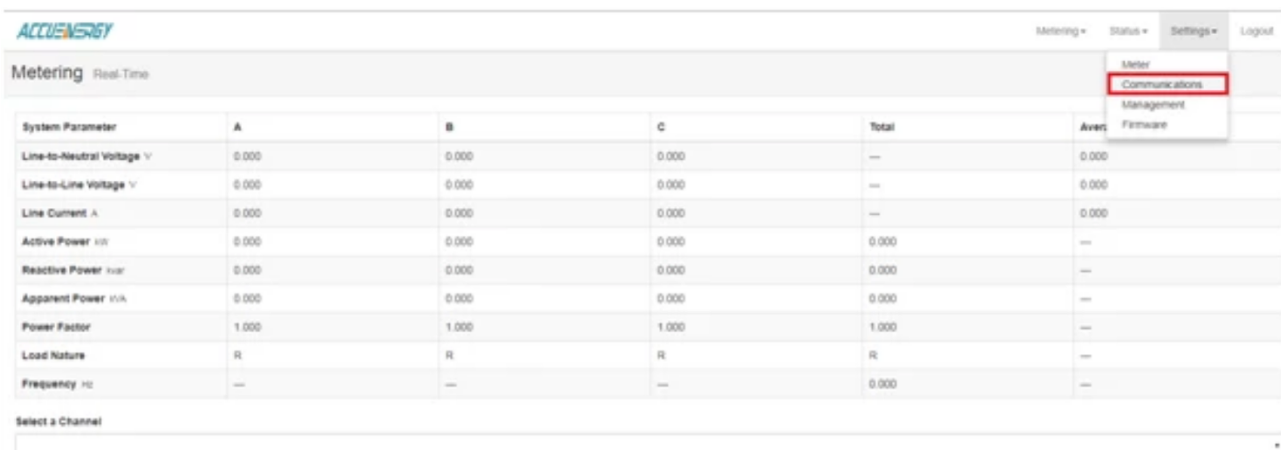


Figure 2

- Click on the '**Settings**' tab and select '**Communications**' to view WiFi settings.



The configurations related to the AcuRev 2020 can be found from the 'WIFI' tab in the Communications page.

An overview of each setting is provided below:

Mode: The AcuRev 2020 can be configured to work in two modes just like any other WIFI device. It can be configured as either Access Point(AP) or Station mode.

Figure 3

1. ACCESS POINT(AP): Default configuration for AcuRev 2020. The AcuRev 2020 will act as a wireless access point and will allow a wireless device to access the AcuRev 2020.

- In Access Point mode, users can configure the SSID, Network Key and IP of the AcuRev 2020 module as well as the DNS servers.

Note: When the IP address or SSID is changed in AP mode then users will be prompted to enter the network key or password of the AcuRev 2020 SSID when clicking the Save button. After entering the network key, click save once more.

2. Station: The AcuRev 2020 will behave like a wireless client and bridge to another wireless network that is available.

- In Station mode, users can select the Wireless network available to connect to in "Connect to SSID". Click on "Select from Available Networks" and enter the Network Key for the wireless network that the AcuRev 2020 will bridge to.

In station Mode the DHCP can configured as either manual or auto.

- If manual, users can configure the IP address, Subnet Mask , Gateway and DNS Servers.
- If auto, users must check the meter's display to get the IP address and all other network configurations assigned by the wireless network. The user can also configure the DNS servers if the DHCP is on Auto.

NOTE: If the DHCP is selected as auto, please refer to [Accessing the AcuRev 2020-WEB through Localhost](#)

Mode

Station

Connect to SSID [Select from available networks](#)

AcuOP1-2.4G

Network Key

DHCP unsaved changes

Manual
 Auto

IP

192.168.1.10

Subnet Mask

255.255.255.0

Gateway

192.168.1.1

DHCP DNS Server 1

8.8.8.8
Default: 8.8.8.8

DHCP DNS Server 2

8.8.4.4
Default: 8.8.4.4

[Save](#)

Figure 4

After making any changes to the settings of the AcuRev 2020 in the web interface, the meter will need to be rebooted from the 'Management' page.

- Click on 'Settings' and select 'Management'.

The screenshot shows the Accuenergy web interface. At the top right, there are navigation links: Metering, Status, Settings, and Logout. The 'Settings' link is active, and a dropdown menu is open, showing options: Meter, Communications, Management (highlighted with a red box), and Firmware. Below the navigation, the 'Settings' page is displayed with tabs for Wi-Fi, Network, Email, Time/Date, HTTP/FTP Post, and AcuCloud Post. The 'Wi-Fi' tab is selected. Under 'Wifi Enable', the 'Enable' radio button is selected. The 'Mode' dropdown is set to 'Access Point'. The 'SSID' field contains 'EH15126108'. A 'Network Key' field is visible at the bottom. A green 'Save' button is located in the top right corner of the settings area.

Figure 5

- On the '**Management**' page, locate the "**Reset Communications Module**" option and click on '**Reset**'.

ACCUEVERGY Metering ▾ Status ▾ Settings ▾ Logout

Settings Management

Setting	Action
Reset Demand	Reset
Reset Energy	Reset
Reset Alarm Record	Reset
Reset Communications Module	Reset
Device Clock	Thu, 09 Nov 2017 06:51:10 -0500
Reset Device Run Time	Reset
Live API Token	168214b-38b3-4eda-9ef1-fa5d21874dc
Reset API Token	Reset
Reset Admin Password	<input type="text" value="Enter new password"/> Save <input type="checkbox"/> Show password
Reset View Password	<input type="text" value="Enter new password"/> Save <input type="checkbox"/> Show password

Module up since Thu Nov 09 2017 06:48:34 GMT-0500 (Eastern Standard Time)

Figure 6