

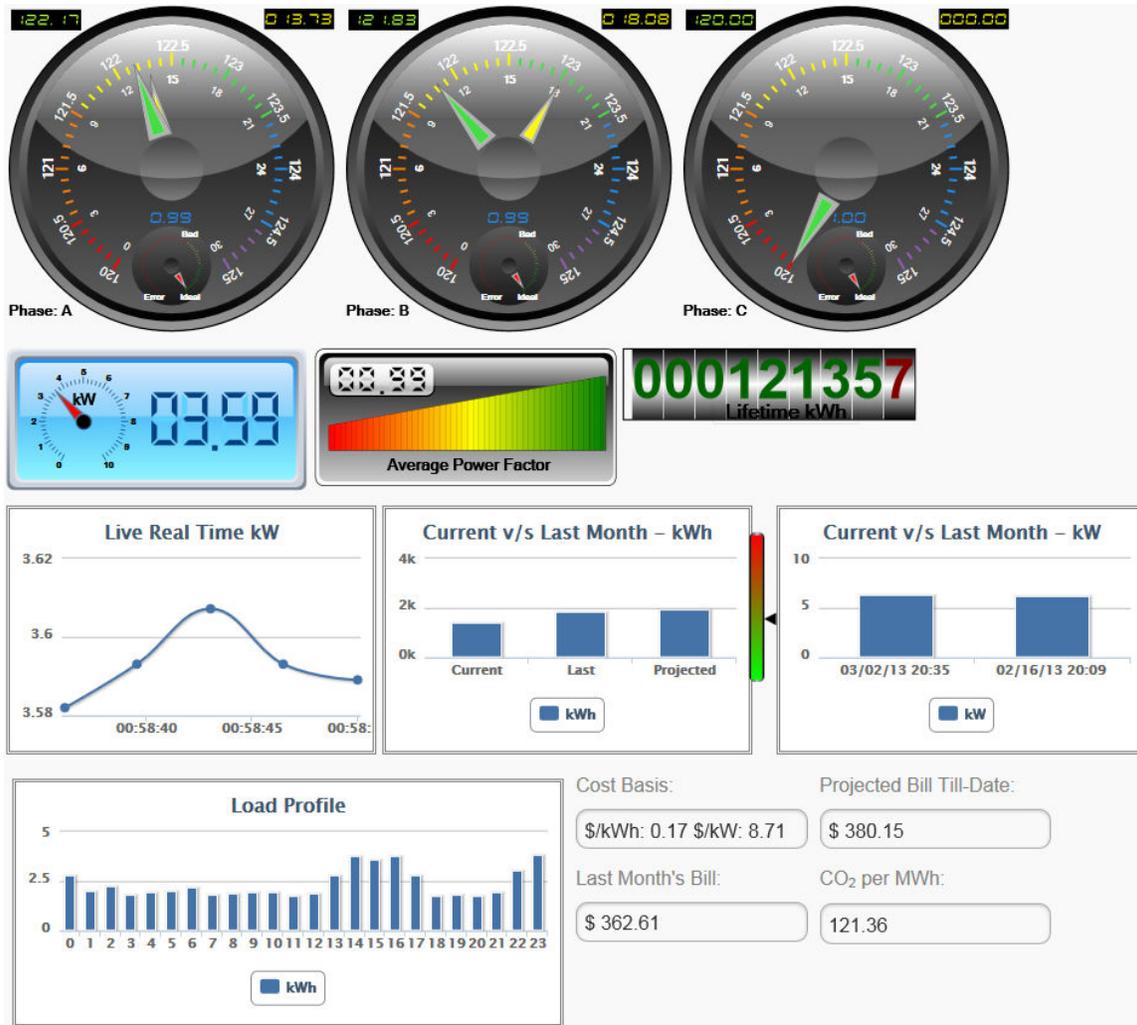
# Energy Tracking's Real Time Mobile Application (ET-RTM)

By: Tech Support

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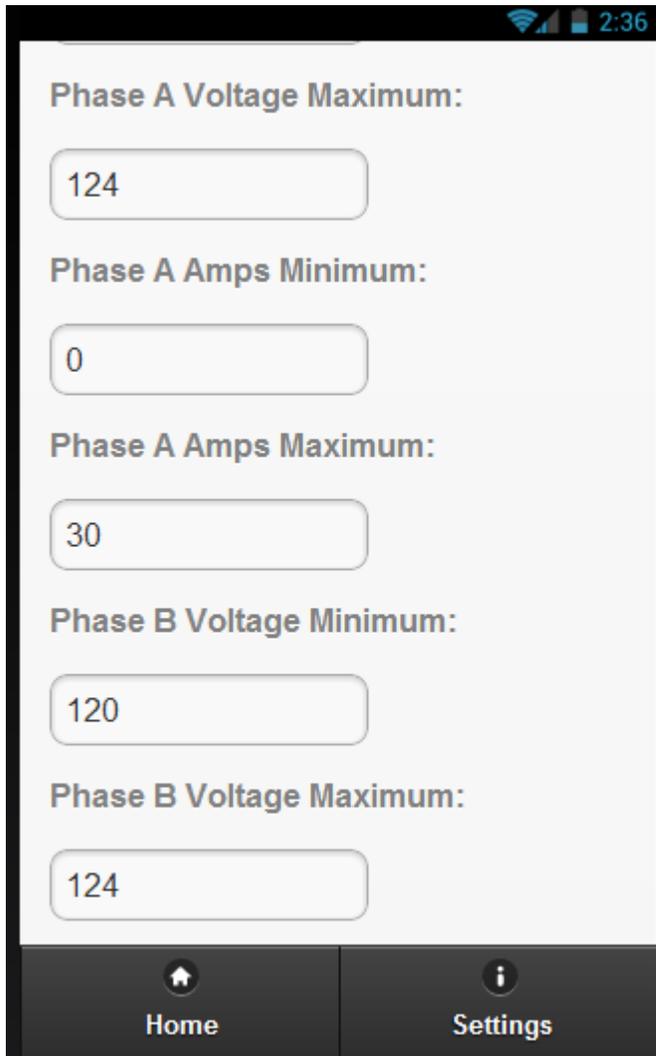
**Summary:** Energy Tracking's Real Time Mobile (ET-RTM) application allows end users to directly access the WEM-MX 333mV meter and view a host of information presented on the dashboard. Our initial rollout is geared towards the Android OS phone / tablet with efforts underway to rollout to Apple iOS and MS windows phone.

**Home Page:** The layout will dynamically adjust to the screen size whether it is viewed vertically or horizontally. The display shows several dials, indicators and charts which we call "widgets".



**Setup:** Click on "Settings" at the bottom of the "Home" page. This will navigate to the "Settings" page and allow you can customize your application.

**Set Min / Max Values for Widgets:** You can modify the minimum / maximum scale values for each widget.



The screenshot shows a mobile application's settings page. At the top, there is a status bar with a Wi-Fi icon, signal strength bars, a battery icon, and the time 2:36. The main content area is white and contains five settings, each with a label and a rounded rectangular input field:

- Phase A Voltage Maximum:** Input field contains the value 124.
- Phase A Amps Minimum:** Input field contains the value 0.
- Phase A Amps Maximum:** Input field contains the value 30.
- Phase B Voltage Minimum:** Input field contains the value 120.
- Phase B Voltage Maximum:** Input field contains the value 124.

At the bottom, there is a dark grey navigation bar with two buttons: "Home" with a white house icon and "Settings" with a white information icon.

## Setting up communications to the WEM-MX Meter:

Scroll down and you will see:



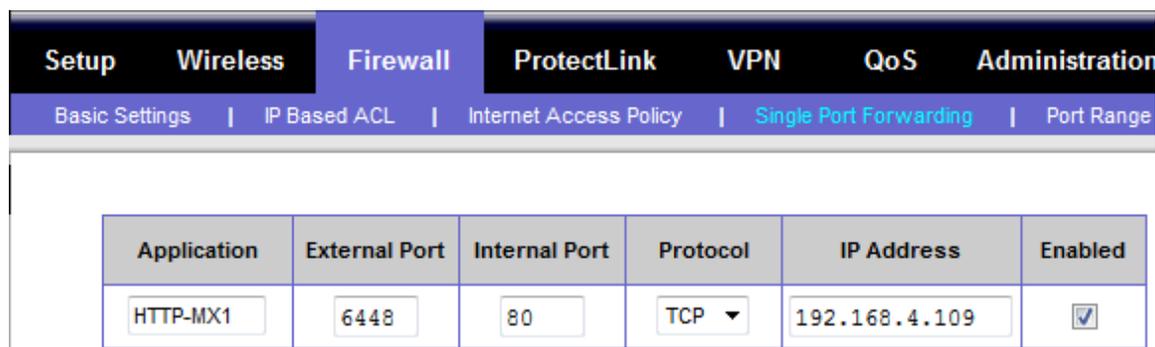
The screenshot shows a configuration field labeled "IP Address:" with a text input box containing the value "192.168.4.109".

You will need to enter the appropriate IP Address of the meter to enable ET-RTM to communicate with it.

The WEM-MX meter is provided a local IP address by the router. You can use this IP address to access the meter in your local network using MS IE™ browser.

This is applicable when you want to access the meter when you are on the local network and your phone / tablet is using WiFi.

However, to access the WEM-MX meter over the Internet, you will first have to setup port forwarding on your router. Note: The internal port **must** be 80. Also, it would be ideal to set your meter to a static IP address.



The screenshot shows the router's configuration interface with the "Firewall" tab selected. Under "Single Port Forwarding", a table lists a port forwarding rule:

Application	External Port	Internal Port	Protocol	IP Address	Enabled
HTTP-MX1	6448	80	TCP ▼	192.168.4.109	<input checked="" type="checkbox"/>

Next, you will need the Wide Area Network IP address (WAN IP). This is the WAN IP provided by your Internet Service Provider (ISP) and is available by going to the Main Setup page on your router.

Enter the WAN IP followed by the **colon** and 'External Port' you have set as shown below.

IP Address:

72.119.168.124:6448

Click on the 'Home' page at the bottom, and click 'Save Settings'. To start accessing the meter, click on the "Start" button.

### Display / Hide Widgets:

There maybe certain widgets that you want to hide on the screen. The ET-RTM allows you to do so.

Simply check or uncheck what you want to hide or display.

