




AXM-WEB2 Firmware Update Procedure

The following document outlines how to update the firmware of the AXM-WEB2 module. To perform the update users must have access to the meters web interface. The WEB2 module supports two Ethernet ports as well as WiFi, users can implement either of these three methods to access the web server.

1. Enter in the meters IP address onto a web browser, a login page will be displayed.

NOTE: The recommended web browsers to access the meters web interface are Google Chrome or Firefox.




Sign in to continue

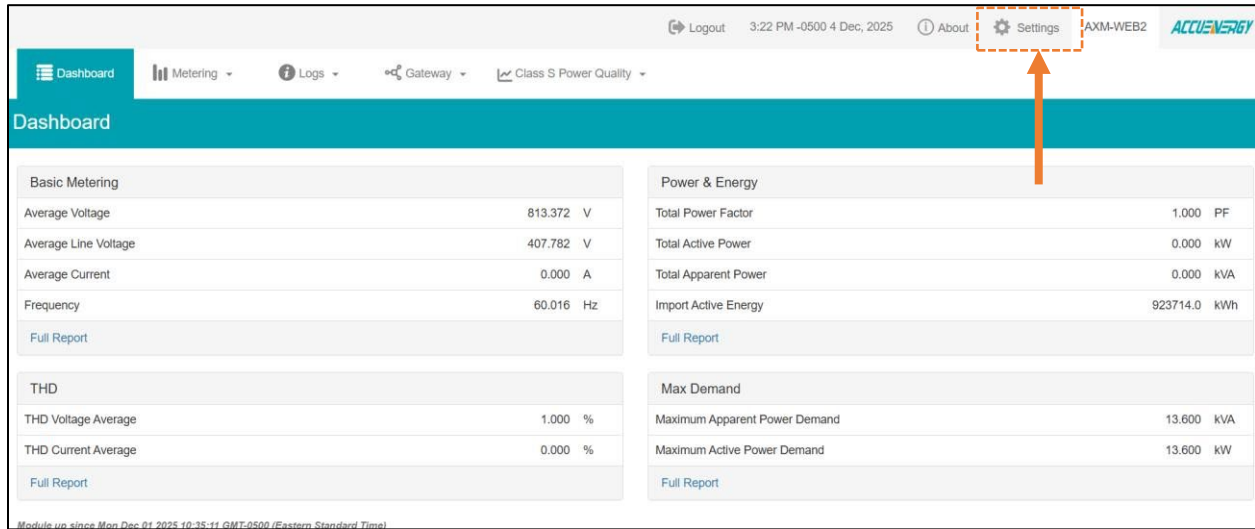
User Name*

Password*

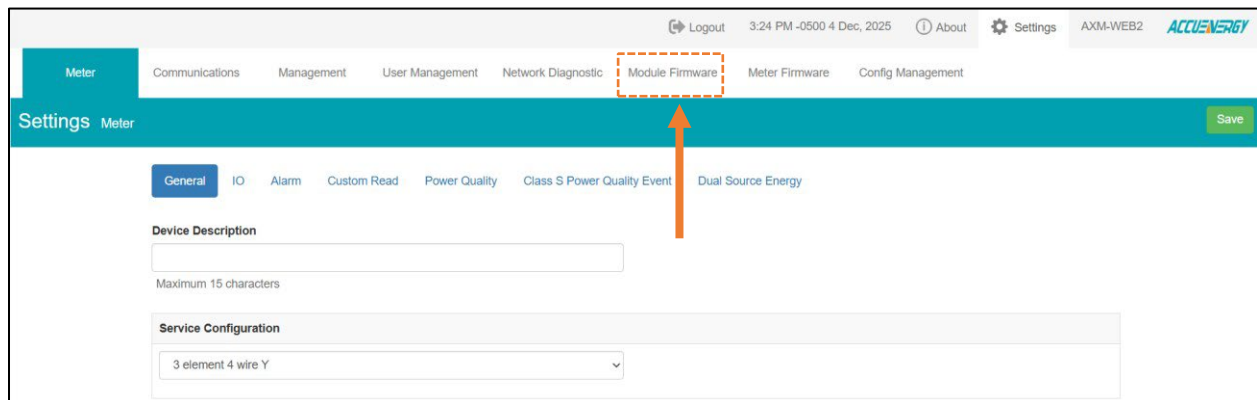
Sign in

[SSL Certificate](#) 

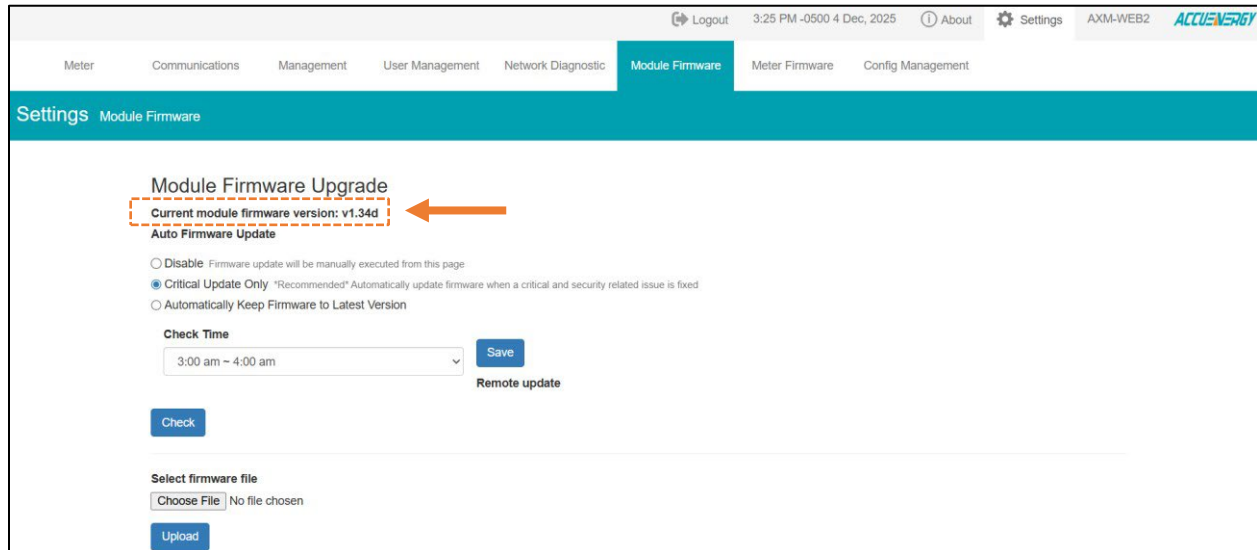
2. Enter the default credentials for the username as **admin** and the default password as **admin**.
3. Users will be redirected to the Dashboard.
4. Click on the **Settings** tab on the main menu located on the top of the web page.



5. On the settings page select the **Module Firmware** tab.



6. This page will display the current firmware version of the WEB2 module.



7. There are three different methods that can be used to update the module firmware, Auto, Remote and Manual. This document will cover the Manual method. The other methods are briefly explained below.
 - a. Auto: Can be used to automatically update the firmware of the AXM-WEB2 module where the time can be selected to check and perform the update. Options for updating the latest firmware and critical updates only are available.
 - b. Remote: Use the **Check** button to see if there is a firmware update available for your AXM-WEB2 module. If there are options for proceeding with the firmware are available.

NOTE: The above methods require a sufficient Internet connection to update remotely.

8. To update Manually, click on **Choose File** and select the appropriate firmware file. All AXM-WEB2 firmware files have **.a2up** file forma, see example below.

AXM-WEB2-v1.34d.a2up

9. Once the firmware is selected click on '**Upload**'.

Module Firmware Upgrade

Current module firmware version: v1.34d

Auto Firmware Update

☐ Disable Firmware update will be manually executed from this page

☒ Critical Update Only *Recommended* Automatically update firmware when a critical and security related issue is fixed

☐ Automatically Keep Firmware to Latest Version

Check Time

3:00 am ~ 4:00 am

Save

Remote update

Check

Select firmware file

Choose File AXM-WEB2-v1.34d.a2up

Upload

10. The file may take 1-2 minutes to upload depending on the firmware file size.

MeterCommunicationsManagementUser ManagementNetwork DiagnosticModule Firmware

SettingsModule Firmware

Module Firmware Upgrade

Current module firmware version: v1.34d

Check Time

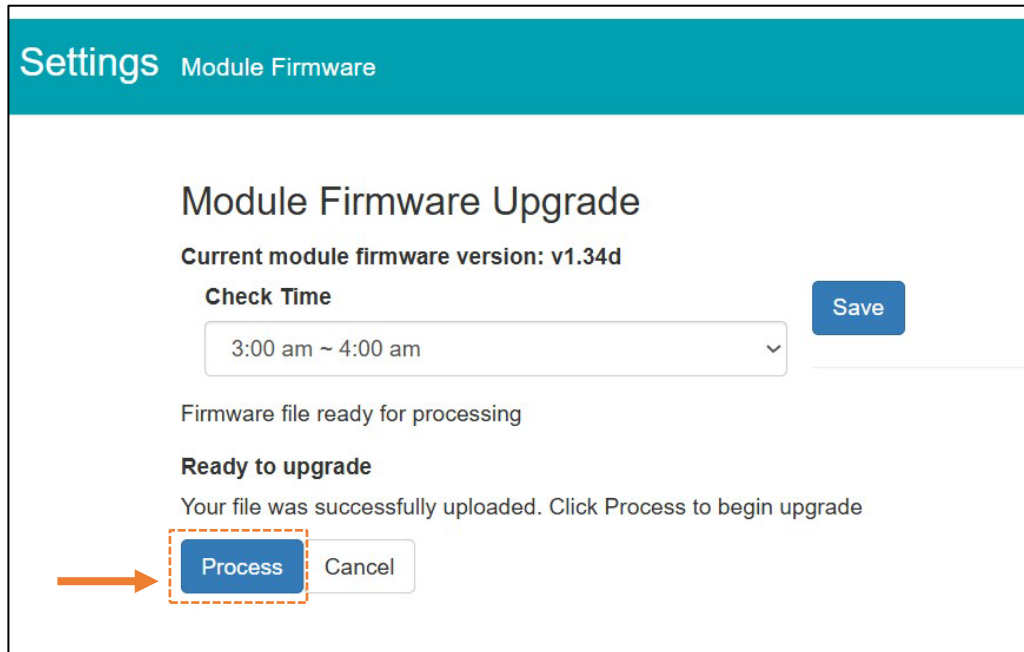
3:00 am ~ 4:00 am

Save

Uploading firmware file, please wait ...

11. Once the firmware has been uploaded successfully, the firmware will be ready to execute.

12. Click on the **Process** button to begin the firmware update.



Settings Module Firmware

Module Firmware Upgrade

Current module firmware version: v1.34d

Check Time

3:00 am ~ 4:00 am

Save

Firmware file ready for processing

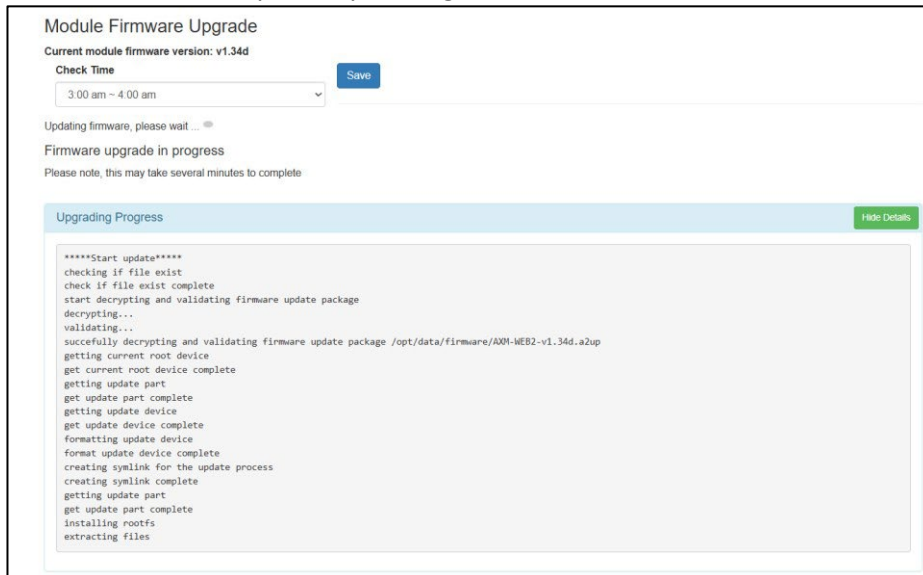
Ready to upgrade

Your file was successfully uploaded. Click Process to begin upgrade

Process **Cancel**

13. The firmware will take about 2-5 minutes to update.

14. Users can view the details of the update by clicking on the **Show details** button.



Module Firmware Upgrade

Current module firmware version: v1.34d

Check Time

3:00 am ~ 4:00 am

Save

Updating firmware, please wait ...

Firmware upgrade in progress

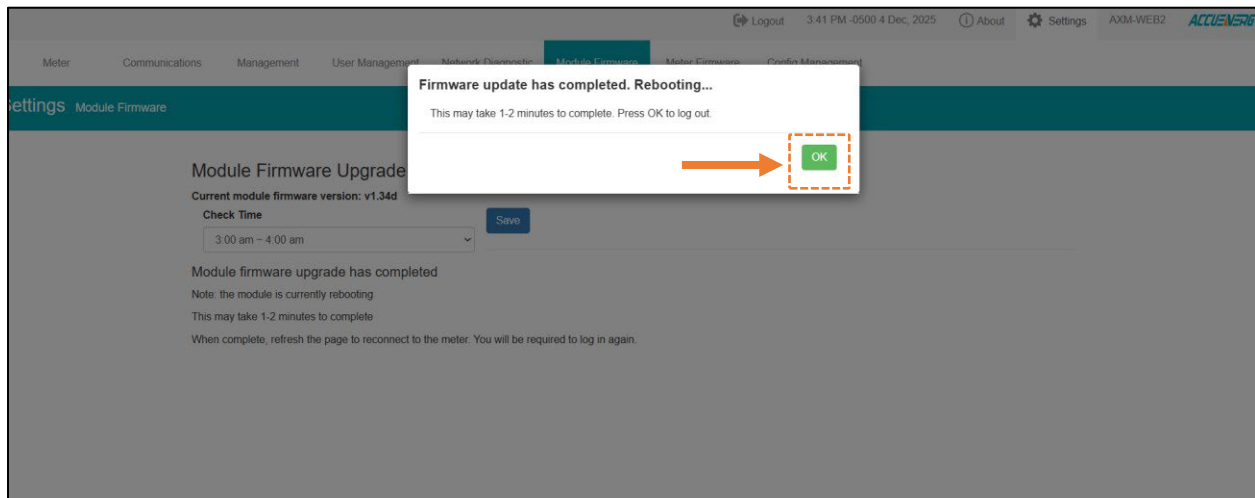
Please note, this may take several minutes to complete

Upgrading Progress **Hide Details**

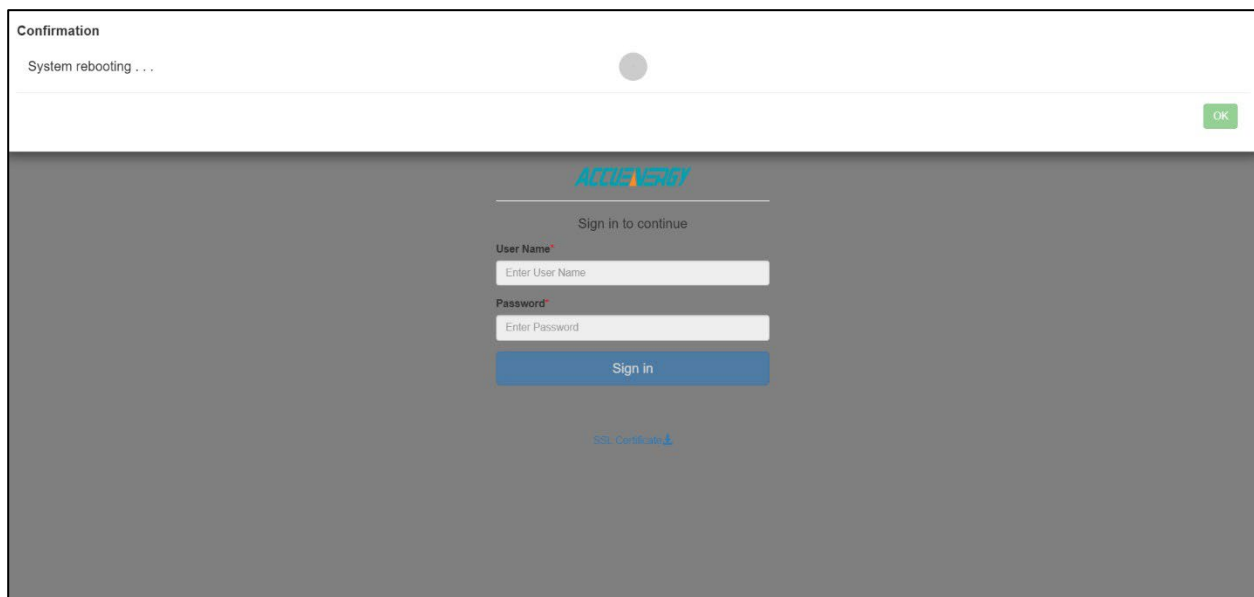
```

*****Start update*****
checking if file exist
check if file exist complete
start decrypting and validating firmware update package
decrypting...
validating...
successfully decrypting and validating firmware update package /opt/data/firmware/AXM-WEB2-v1.34d.a2up
getting current root device
get current root device complete
getting update part
get update part complete
getting update device
get update device complete
formatting update device
format update device complete
creating symlink for the update process
creating symlink complete
getting update part
get update part complete
installing rootfs
extracting files
    
```

15. Once the firmware update has been completed, a prompt will appear. Click on **OK** to reboot the meter to complete the firmware update process.



16. The meter may take 1-2 minutes to reboot successfully.




17. After the reboot is complete, you will need to login to the meter again.



Confirmation
Reboot completed

OK


Sign in to continue


User Name*

Password*

Sign in

[SSL Certificate](#)

18. After logging a prompt will be displayed to inform you that the meter has been updated successfully. Click **OK** to proceed.

Logout3:48 PM - 0500 4 Dec, 2025AboutSettingsAXIM-WEB2

DashboardMeteringLogsGateway

Dashboard

Confirmation
You are using default password. Click continue to change your password.

Firmware has updated
Firmware updated to v1.34d at 2025-12-04, 3:42:29 p.m.
[Link to Release Note](#)

OK

Yes, ContinueCancel

Basic Metering		Power & Energy	
Average Voltage	813.526 V	Total Power Factor	1.000 PF
Average Line Voltage	407.770 V	Total Active Power	0.000 kW
Average Current	0.000 A	Total Apparent Power	0.000 kVA
Frequency	60.017 Hz	Import Active Energy	923714.0 kWh
Full Report		Full Report	