Module Update Instructions for the MOFI5500-5GXeLTE-EM7690 and EM9191 model

Date: Aug 06 2024

Suggest to run this update on router firmware 4.9.4std or later

This will update your module to module firmware 03.14.10.04 on the EM7690/EM9191 Cellular Module

To manually update the EM7690/EM9191 to latest module update, download and save this file to your pc (do not unzip or open this, just save to your pc)

https://mofinetwork-firmware.s3.dualstack.us-east-1.amazonaws.com/Module_Firmware/SierraWireless_EM7690_EM9191/EM9191_SWIX55C_03.14.10.04-001_GENERIC_030.094_000.tar.gz

 Once this is saved

Take the SIM CARD out of the router.
It is very important to do this step before you do the module update

Then log into the router, go to System then Internal Module #1 Flasher then click on the tab to manually update the module

Module Firmware Upgrade

Flash Module Firmware - This page will flash the Mofi Internal Module w Router Firmware page

Module Model: Sierra EM7690
Module Firmware: 03.14.10.04
Module Carrier Settings: GENERIC_030.094_000
Carrier: GENERIC
NOTE: When the process starts the internet led should begin to flash and when complete the led will turn complete

Upload the compressed file to reflash the device. The tar.gz file is required to complete the flashing process.
Please Select the Mofi compressed Module Firmware File that was downloaded:

Browse... | EM9191_SWIX55C_03.14.10.04-001_GENERIC_030.094_000.tar.gz

Upload firmware

Click on browse to select the module firmware that was saved and then click on Upload Firmware to Start

You will get a message that will display the checksum **70dca49fc40b9856c23eb104c9067ef7**

Module Firmware Upgrade

Flash Module Firmware - This page will flash the Mofi Internal Module with New Firmware, This is NOT the Router Firmware page

The Module Flash images were uploaded. Below is the checksum and file size listed, compare them with the original files to ensure data integrity.
Click "Proceed" below to start the flash procedure.
Firmware Checksum: 70dca49fc40b9856c23eb104c9067ef7
Size: 86.78 MB (26.69 MB available)

Proceed   Cancel

The firmware update will take about 10 mins (ensure you do not reboot the router until this is completed)

If the updates fail, first, make sure the sim card is out the router
Then do a factory default under system then factory default
Then try it again and make sure the check sum matches**: 70dca49fc40b9856c23eb104c9067ef7**

After the module firmware has been completed, you can go back to the #1 module flasher and confirm you are on 03.14.10.04

Once that is confirmed, you need to reset the module by going to Mofi Internal modem

Then click on the configuration tab

Then on the bottom of that page, press the button to reset the module

Once that is up, your router should go back online and module firmware updated.

If you have no internet, go to Mofi Internal modem

Then click on advanced signal status

If you see low power mode, you need to do the module update again as it will not work if the module is in low power mode.