

GTEN®

GTEN Model 4 R2 Firmware Update Guide

Warranty disclaimer: This firmware updated method is difficult and intended to be done by an advanced technician, performing this firmware update is done at your own risk and may damage your modem if each step is not followed correctly. **Failure to follow instructions will void your devices warranty.**

This operation will require the following items before starting:

1. A windows-based PC computer/laptop.
2. A USB-A to USB-A cable to connect from the modem to the computer.
(Example below) (This cable can be found on Amazon)



3. Download the GTEN 4 R2 Firmware .zip file. (Link below)
<https://infiniteic.com/firmware/r2/GTENM4R2UPDATE.zip>

Now that you have everything you need, let's get started on updating your firmware of your GTEN Model 4 R2 Router.

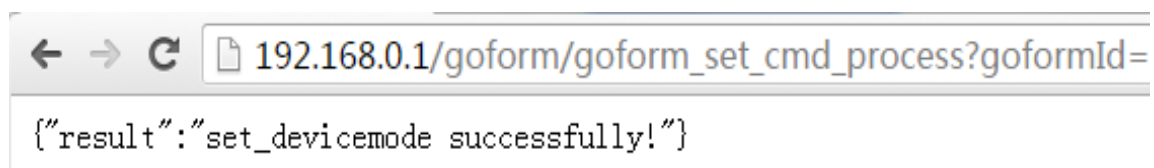
Warning: Before you do any operate, please close your Anti-virus software first.

Step #1, Plug in your USB-A to USB-A cable to your computer and then to the USB port in the back of the GTEN Model 4 R2 modem.

Step #2, Now you will unzip the contents of the downloaded file onto your desktop or other location and install the ZTE developer driver. (This process will install the necessary RNDIS driver from router.)

Step #3, Once the computer installs the drivers you will have a RNDIS Ethernet port added to your networking devices, now you enter the following web address in your browser's URL section. (Link below)
http://192.168.1.1/goform/goform_set_cmd_process?goformId=SET_DEVICE_MODE&debug_enable=1 and then hit <enter>

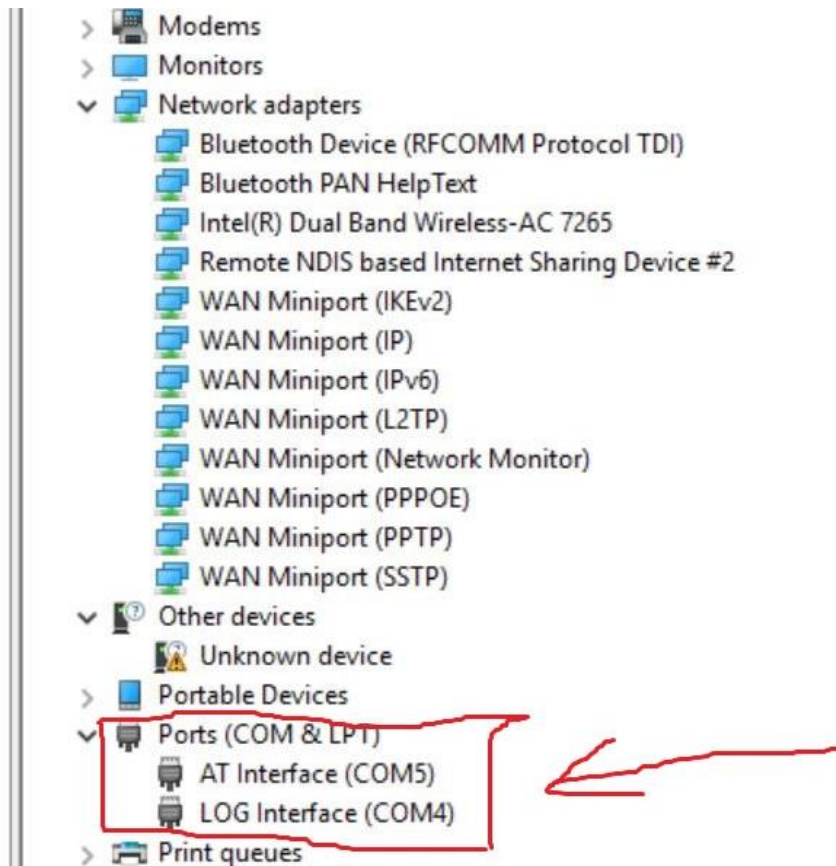
You should see the following response below:



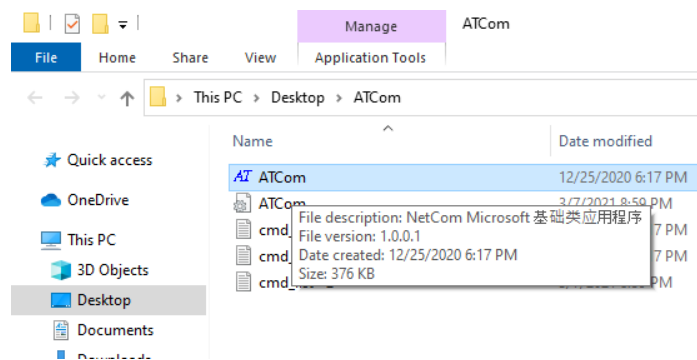
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Step #4, Now you can remove the USB-A cable from the back of the modem and then plug it right back in to the back of the modem, you will now have AT interface control and the computer will self-install some additional ports to continue the programming mode.

You can confirm the additional ports were installed by opening your Device manager:

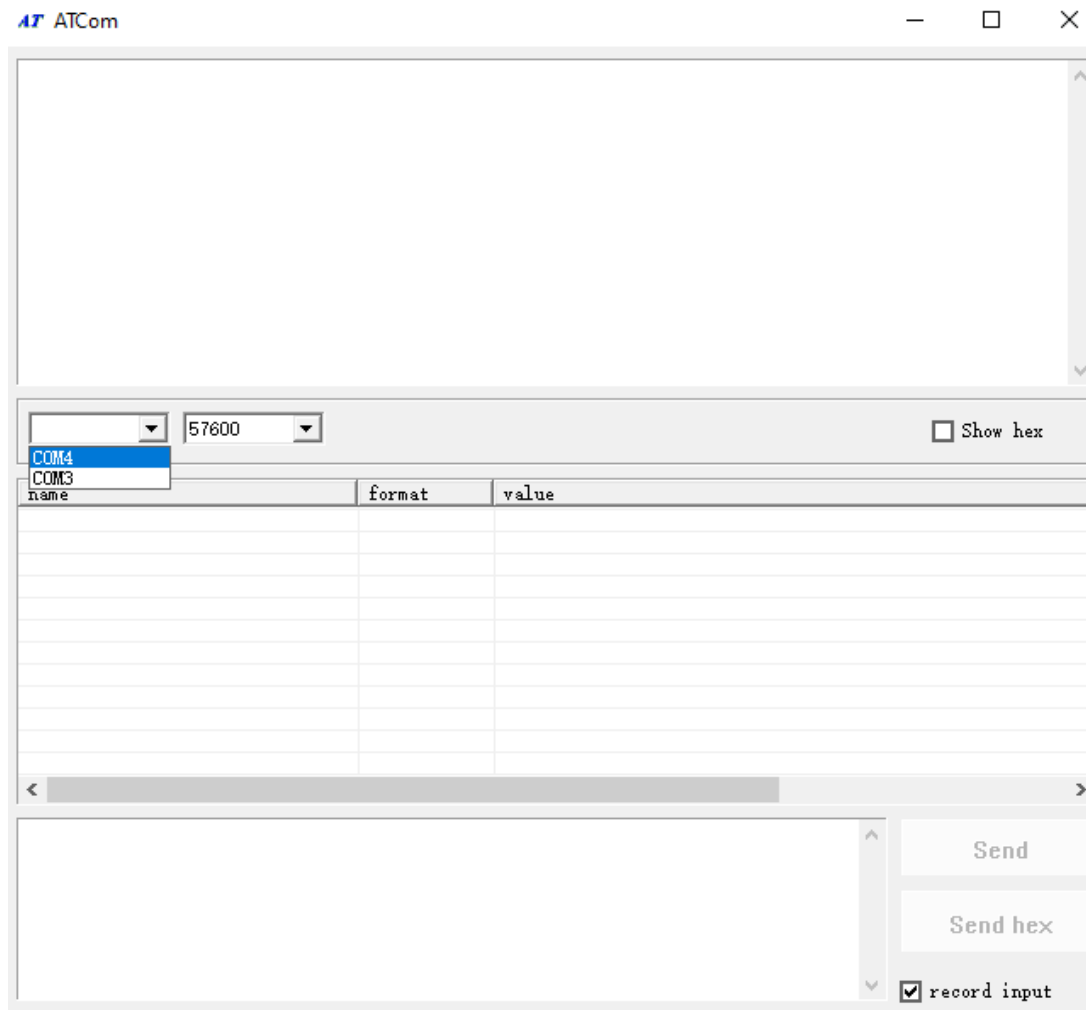


Step #5, Now open the ATCom folder and click on the ATCom.exe file to start up the ATCom program.



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Step #5a, With the ATCom program open you will need to choose the correct programming port, using the device manager example above you would have chosen the “AT Interface (COMXX)” (COM ports numbers may differ from the example provided.)



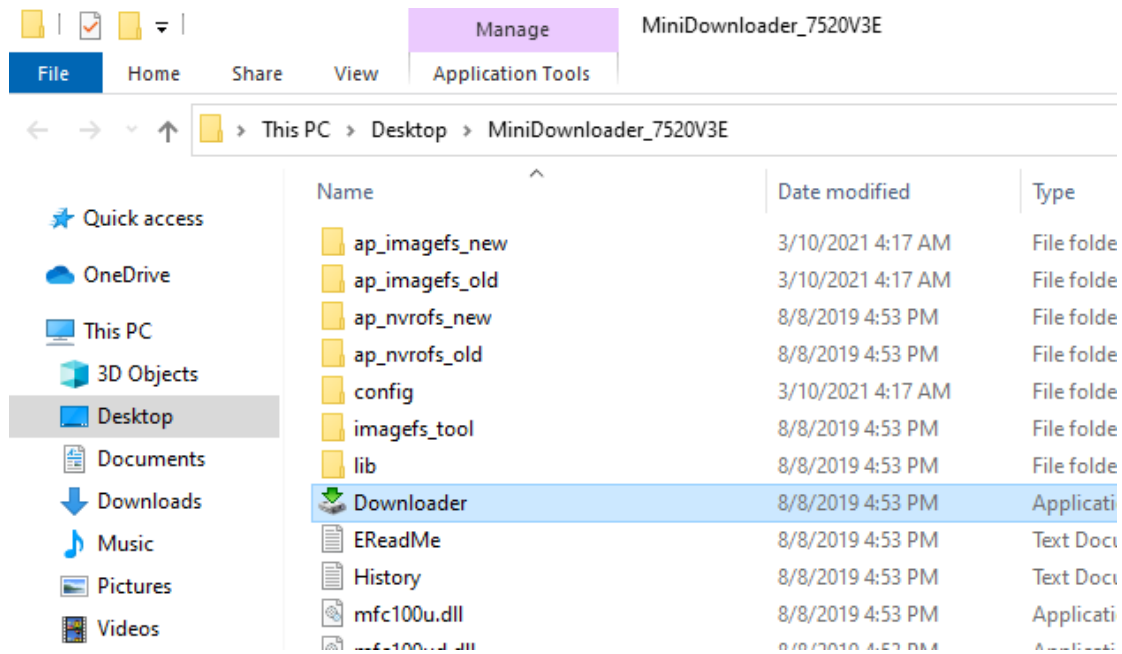
Step #5b, Now after choosing the correct port you can confirm programming mode is ready by sending the test command AT and then press SEND you should a get a response of OK, now your ready to send the next AT command: (You can copy and paste the command below)

```
AT+ZFLAG="BOOT",0
```

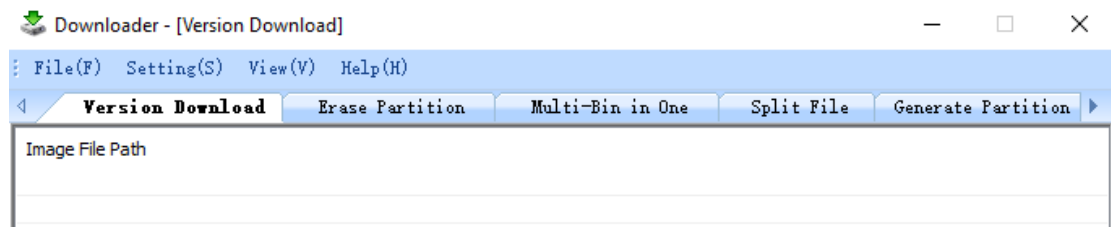
You should a get a response of OK,
You can now close the ATCom program.

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Step #6, Now you will open/start the Downloader program. (See example below)



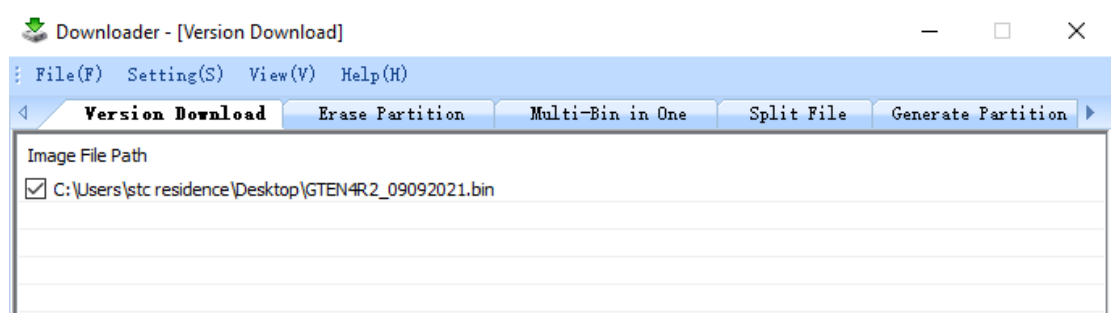
Step #6a, the program will prompt for a username and password, just hit <enter>, you will then choose Version Download option:



Step #6b, now you will add the firmware file to the downloader by pressing the


+Add button and choosing the firmware file included in the unzip file.

File name is: GTEN4R2_09092021.bin (See example)



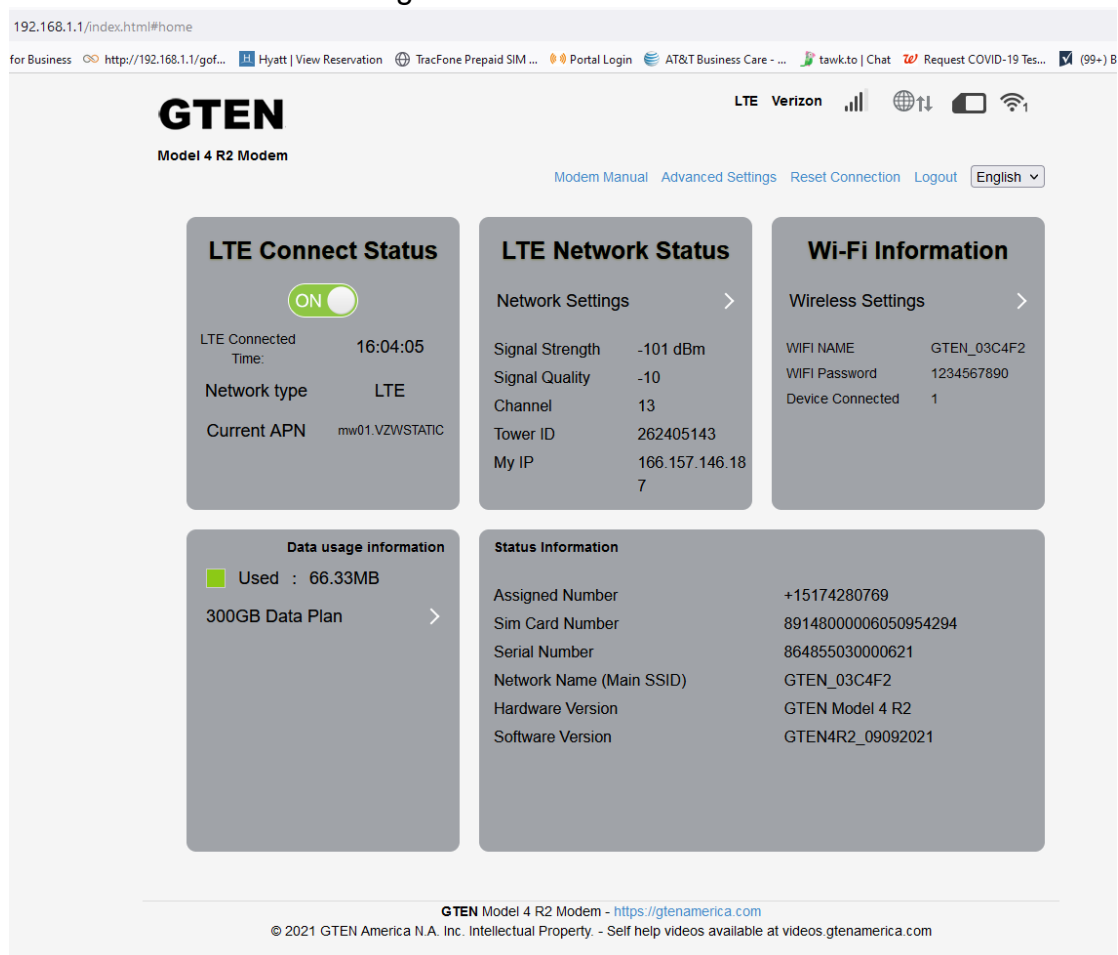
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Step #6c, after loading the file into the downloader you can now press the start

button  and then remove the USB-A cable from the back of your modem and then plug it right back in. The downloader will automatically begin programming the modem. (Do not touch or interfere with the modems programming during this process.)

Step #7, after the downloader process is complete the modem will reboot itself, and the RNDIS Ethernet port will return you can now confirm the process was completed properly by logging into the modems internal webpage by visiting 192.168.1.1 and entering the default password: admin

You should see the following screen:



The screenshot shows the GTEN Model 4 R2 Modem internal webpage. The page has a header with the GTEN logo and navigation links: Modem Manual, Advanced Settings, Reset Connection, Logout, and a language dropdown set to English. The main content area is divided into several sections:

- LTE Connect Status:** Shows a green 'ON' toggle switch. Below it, 'LTE Connected Time: 16:04:05', 'Network type: LTE', and 'Current APN: mw01.VZWSTATIC'.
- LTE Network Status:** Includes a 'Network Settings' link with a right arrow. Below it, a table of network parameters:

Signal Strength	-101 dBm
Signal Quality	-10
Channel	13
Tower ID	262405143
My IP	166.157.146.187
- Wi-Fi Information:** Includes a 'Wireless Settings' link with a right arrow. Below it, a table of Wi-Fi settings:

WIFI NAME	GTEN_03C4F2
WIFI Password	1234567890
Device Connected	1
- Data usage information:** Shows a green bar representing usage. Text: 'Used : 66.33MB', '300GB Data Plan' with a right arrow.
- Status Information:** A table of device details:

Assigned Number	+15174280769
Sim Card Number	89148000006050954294
Serial Number	864855030000621
Network Name (Main SSID)	GTEN_03C4F2
Hardware Version	GTEN Model 4 R2
Software Version	GTEN4R2_09092021

At the bottom of the page, there is a footer: 'GTEN Model 4 R2 Modem - <https://gtenamerica.com>
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Your modem is now firmware updated, you can close the Downloader program and remove the USB programming cable. You can now use the Power cord and connect over wireless.

➤ **Don't forget to reprogram your APN settings as this firmware update will delete as previously saved settings.**