



Document Created By:
James Marshall
2/18/2022

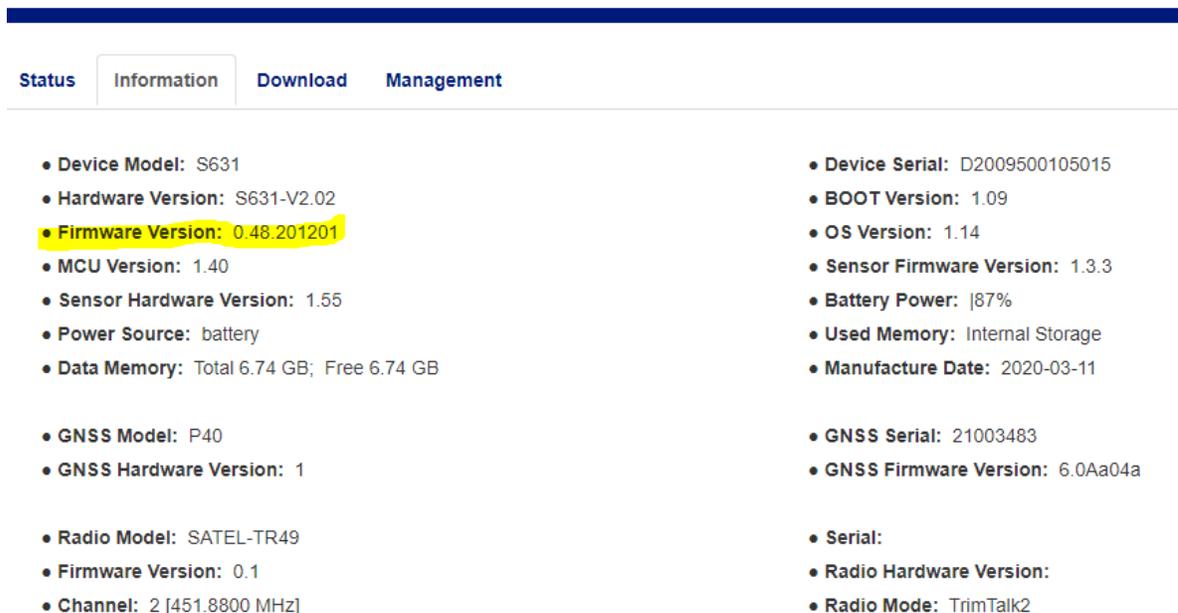
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Summary

AT&T has announced the shutdown of its 3G service. The GSM modem inside of the S631 supports 4G, but will require a firmware update. The purpose of this document is to outline the steps required to update your receiver

UPDATING WEBUI FIRMWARE

1. Power on your receiver, and log into the webUI.
2. Navigate to the 'Information' tab of the webUI and note the 'Firmware Version' the required firmware version for this process is 0.65.220208.



The screenshot shows the 'Information' tab of the webUI. The 'Firmware Version' is highlighted in yellow and reads '0.48.201201'. Other details include Device Model: S631, Hardware Version: S631-V2.02, MCU Version: 1.40, Sensor Hardware Version: 1.55, Power Source: battery, Data Memory: Total 6.74 GB; Free 6.74 GB, Device Serial: D2009500105015, BOOT Version: 1.09, OS Version: 1.14, Sensor Firmware Version: 1.3.3, Battery Power: 187%, Used Memory: Internal Storage, Manufacture Date: 2020-03-11, GNSS Model: P40, GNSS Hardware Version: 1, GNSS Serial: 21003483, GNSS Firmware Version: 6.0Aa04a, Radio Model: SATEL-TR49, Firmware Version: 0.1, Channel: 2 [451.8800 MHz], and Radio Mode: TrimTalk2.

3.
 - 3.1. To update the Firmware Version, navigate to 'Management'
 - 3.2. Under 'Install New Firmware' click 'Choose File>select 'S631-kernelV1.18-BootV1.16-Sensor1.3.6-App0.65.220208.bin'>Upload File. System will power down to finish the update.
 - 3.3. Log back into the WebUI's 'Information' tab to verify the Firmware Version now reports 0.65.220208

Status Information Download Management

- Device Model: S631
- Hardware Version: S631-V2.02
- **Firmware Version: 0.65.220208**
- MCU Version: 1.45
- Sensor Hardware Version: 1.55
- Power Source: battery
- Data Memory: Total 6.74 GB; Free 6.68 GB
- GNSS Model: P40
- GNSS Hardware Version: 1
- Radio Model: SATEL-TR49
- Firmware Version: 0.1
- Channel: 2 [451.8800 MHz]
- Device Serial: D2009500105015
- BOOT Version: 1.16
- OS Version: 1.19
- Sensor Firmware Version: 1.3.3
- Battery Power: |84%
- Used Memory: Internal Storage
- Manufacture Date: 2020-03-11
- GNSS Serial: 21003483
- GNSS Firmware Version: 6.0Aa04a
- Serial:
- Radio Hardware Version:
- Radio Mode: TrimTalk2

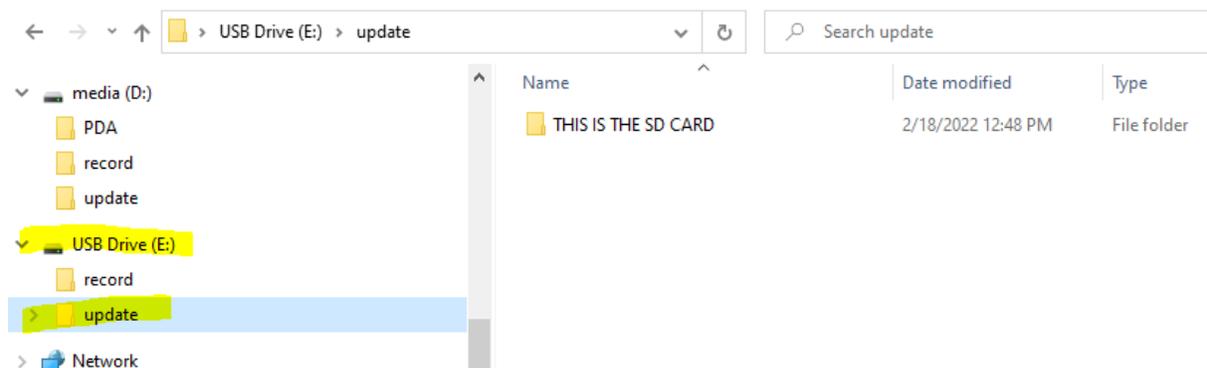
UPDATING GSM MODULE WITH SD CARD

Note: The largest MicroSD card supported is a 32GB card

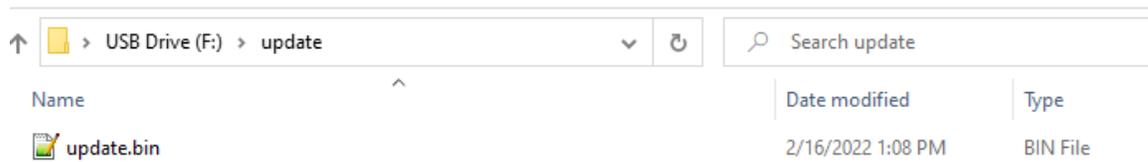
1. Access the SD card VIA card reader and ensure there is an empty 'update' folder

Name	Date modified	Type
record	1/29/2016 9:55 PM	File folder
update	1/29/2016 9:42 PM	File folder

1.1. If you do not have access to an SD card reader, you can utilize the 7-pin cable with USB port. Install the SD card into the receiver and connect to a computer via USB port. This will populate 2 additional Drives. The SD card should be labeled 'USB Drive'



2. Place the firmware file named 'update.bin' inside of the 'upgrade' folder of the SD card



3. Install the SD card into the Receiver. Once installed, power on. The LEDs will cycle as the unit is performing the update. This process may take up to 10 minutes
4. Once the process is complete, a Factory Reset is required. Log into the webUI, navigate to the 'Management' tab. Scroll to the bottom of the page and select 'Restore Factory Settings' and the process will be complete

Status **Information** **Download** **Management**

- **Device Model:** S631
- **Hardware Version:** S631-V2.02
- **Firmware Version:** 0.65.220208
- **MCU Version:** 1.45
- **Sensor Hardware Version:** 1.55
- **Power Source:** battery
- **Data Memory:** Total 14.83 GB; Free 14.83 GB
- **Device Serial:** D2009500105015
- **BOOT Version:** 1.16
- **OS Version:** 1.19
- **Sensor Firmware Version:** 1.0.0
- **Battery Power:** |73%
- **Used Memory:** SD Card
- **Manufacture Date:** 2020-03-11
- **GNSS Model:** P40
- **GNSS Hardware Version:**
- **GNSS Serial:**
- **GNSS Firmware Version:**
- **3G/GPRS Model:** EG25-G
- **Firmware Version:** EG25GGBR07A08M2G_30.004.30.004
- **IMEI:** 867698041122881
- **3G/GPRS Hardware Version:**
- **Signal Level:**
- **Protocol:** NTRIP
- **IP Address:** :
- **Mountpoint:**

