


Quick Guide of Firmware Upgrade & SMS Reboot Config For SFCE Wireless Router Model 4GWiFi-11

Important note

This firmware upgrade instruction is applicable for Single LAN port firmware 4.2.1.1 installed environment only. Please double-check the router firmware types (as illustrated in the below router Web interface) before the router firmware upgrade:

- **4.2.1.1** – Single LAN Port SW (Follow the instruction below) We upgrade this firmware frequently, so please use our latest version firmware
- **4.3.4.4** – Dual LAN Port SW (Contact services@suntech-power.com.au, and we will forward you the latest version of this SW type and provide upgrade instruction)

Cellular Router



Status

- Overview
- LAN
- Device List

Basic Network

WLAN

Advanced Network

Firewall

VPN Tunnel

Router

System Status

Router Name	Router
Hardware Verion	C11-D20
Firmware Version	Router-4.2.1.1-200721-162747
Router Time	Wed, 07 Oct 2020 16:15:41 +1100 Clock Sync
Uptime	00:12:38
CPU Load (1 / 5 / 15 minute)	0.32 / 0.32 / 0.15
Total / Free Memory	60.08 MB / 47.80 MB (79.56%)

Recommended equipment to bring on site

To conduct a router firmware update, it is highly recommended for the technician to bring the below equipment on-site

1. A Laptop
2. 1 x CAT5/CAT6 Ethernet cable (1 or 3m length) with both RJ45 Plug at both ends
3. SFCE 4G Router Firmware Upgrade Kit (saved in the laptop) which contains
 - Latest Router Firmware (**.trx file**)
 - Quick Guide of Firmware Upgrade (**.docx file**)

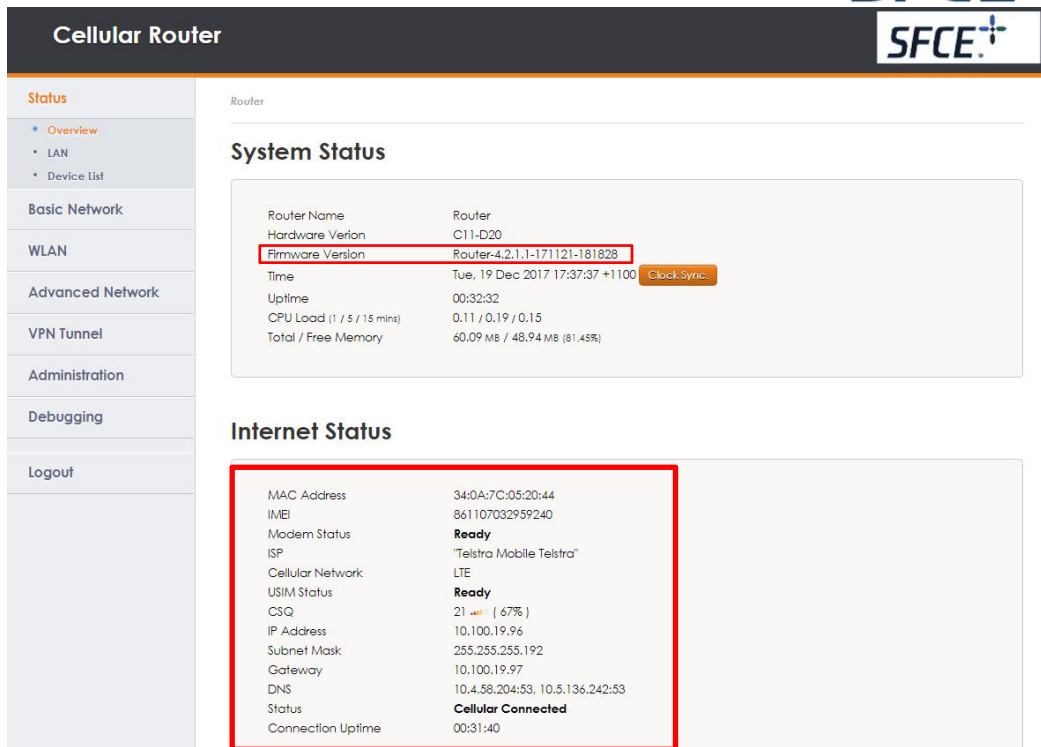
A quick walkthrough for 4G router firmware upgrade

1. Connect your laptop via a direct LAN connection or Wireless connection to the 4G router
2. Open the web browser and type in the IP address of the router (default IP: **192.168.1.1**). Then the user will be prompted to enter a username and password which by default are:

User name	admin
Password	admin



3. Now the Router Web interface can be accessed to check the status of the router and modify its settings. Once logged in, the Web interface will show the router and internet access status as shown below - please double-check the Firmware type & version:



Cellular Router

Status

- Overview
- LAN
- Device List

Basic Network

WLAN

Advanced Network

VPN Tunnel

Administration

Debugging

Logout

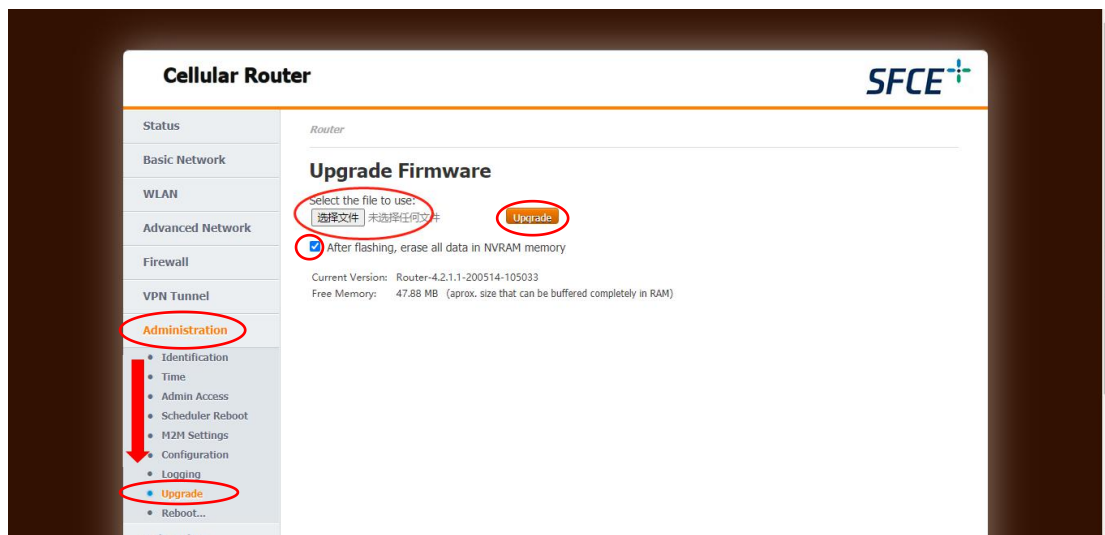
System Status

Router Name	Router
Hardware Verion	C11-D20
Firmware Version	Router-4.2.1.1-171121-181828
Time	Tue, 19 Dec 2017 17:37:37 +1100 Clock Sync
Uptime	00:32:32
CPU Load (1 / 5 / 15 mins)	0.11 / 0.19 / 0.15
Total / Free Memory	60.09 MB / 48.94 MB (81.45%)

Internet Status

MAC Address	34:0A:7C:05:20:44
IMEI	861107032959240
Modem Status	Ready
ISP	"Telstra Mobile Telstra"
Cellular Network	LTE
USIM Status	Ready
CSQ	21 [67%]
IP Address	10.100.19.96
Subnet Mask	255.255.255.192
Gateway	10.100.19.97
DNS	10.4.58.204;53, 10.5.136.242;53
Status	Cellular Connected
Connection Uptime	00:31:40

- On the LHS tabs, Click "**Administration**" and then go to "**Upgrade**". Select & insert the latest firmware file (see **step 5**). Please also make sure the "**memory erase**" box is ticked before clicking the "**Upgrade**" Bottom



Cellular Router

Upgrade Firmware

Select the file to use:

[选择文件](#) | 未选择任何文件 [Upgrade](#)

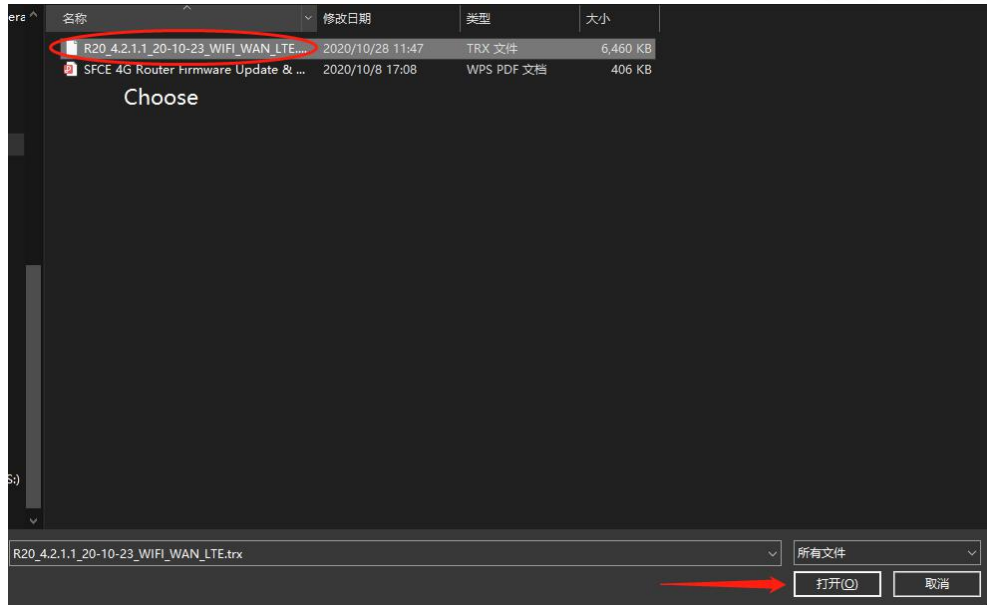
After flashing, erase all data in NVRAM memory

Current Version: Router-4.2.1.1-200514-105033
Free Memory: 47.88 MB (approx. size that can be buffered completely in RAM)

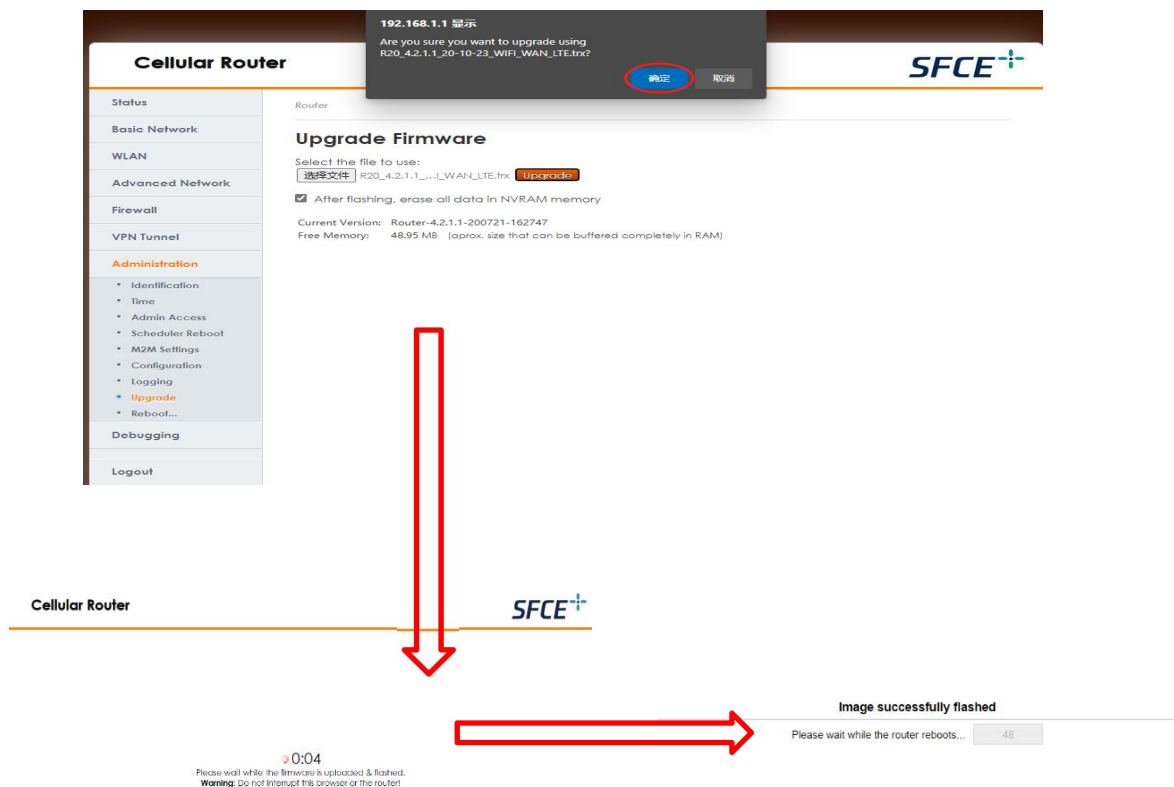
Administration

- Identification
- Time
- Admin Access
- Scheduler Reboot
- M2M Settings
- Configuration
- Logging
- Upgrade**
- Reboot...

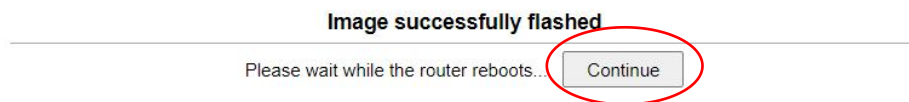
- In your laptop, locate the firmware file named: "**R20_4.2.1.1_20-07-21_WIFI_WAN_LTE.trx**" and click "**Open**".



6. A window will pop up to confirm the upgrade. Click “OK” and the upgrade program will initial and finish within 2 minutes. During the upgrade process, please **do not** refresh or close the page. Wait until the router reboot starts.



- Once the router firmware upgrade completed, a router reboot will need to be initiated, please click **“Continue”** to initial the router reboot. After that, you will lose the connection to the router web interface. (**Note:** if Wireless connection is used, you will need to reconnect the router WIFI again before opening the router Web interface – refer to **step 2)**

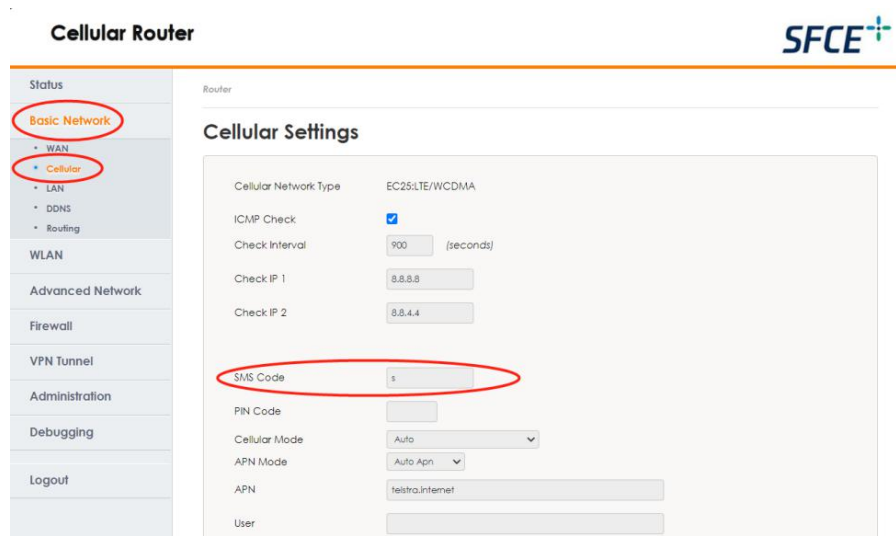


- Login to the router Web interface again and double-check if the Firmware version is **“Router-4.2.1.1-XXXXXXX-XXXXXX”** on the **“System Status”** to confirm the Firmware has been upgraded successfully.

Status <ul style="list-style-type: none">OverviewLANDevice List	<p>Router</p> <h3>System Status</h3> <table><tr><td>Router Name</td><td>Router</td></tr><tr><td>Hardware Verion</td><td>C11-D20</td></tr><tr><td>Firmware Version</td><td>Router-4.2.1.1-201023-094216</td></tr><tr><td>Router Time</td><td>Not Available Clock Sync.</td></tr><tr><td>Uptime</td><td>00:01:53</td></tr><tr><td>CPU Load (1 / 5 / 15 minute)</td><td>0.39 / 0.15 / 0.05</td></tr><tr><td>Total / Free Memory</td><td>60.08 MB / 48.80 MB (81.22%)</td></tr></table>	Router Name	Router	Hardware Verion	C11-D20	Firmware Version	Router-4.2.1.1-201023-094216	Router Time	Not Available Clock Sync.	Uptime	00:01:53	CPU Load (1 / 5 / 15 minute)	0.39 / 0.15 / 0.05	Total / Free Memory	60.08 MB / 48.80 MB (81.22%)
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How to configure "SMS Reboot" on 4G router

9. To enable the SMS reboot function, go to "Basic Network" → "Cellular". Under "Cellular Settings", locate the "SMS Code" and type in "s" in the column to trigger the SMS reboot. Click the "SAVE" button, the router will start reboot. The SMS reboot should be configured successfully after the reboot, you could login to the web interface again to double-check.



How to trigger SMS reboot: Type in the whole word string below in your cell phone with the SIM phone number used in the router (The SMS Code configured earlier is "s", and we recommended to use "s" for the SMS Code for default configuration)

SMS Text message: **"s*reboot"**