

X6200 Firmware upgrade tutorial

Applicable model: X6200

Scope of application: Update system, Update baseband

WS-JSZL-2407-01

Rev: 1.0

Rev Code: 0.0

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- Before flashing, please make sure to read this tutorial carefully first!
- Not a single step of the flashing process can be omitted or wrong!

Special Note: The whole flashing process needs to connect the radio host to the external power supply.

This tutorial is designed to assist users in performing firmware upgrades for the X6200.

X6200 Firmware upgrade is divided into **two steps** as follows:

Step 1: Write a system flash memory card. Write a micro SD memory card that can be used to update the X6200 operating system and perform a system update (application software update).

Step 2: Update the baseband firmware. Perform a firmware update to the baseband unit using the updated system (baseband software update).

Preparation work:

1. A 13.8V external power supply with an output current of at least 3A.
2. A micro SD memory card reader.
3. A PC with Windows (7/10/11) operating system.
4. Remove the battery before updating and do not install the battery throughout the update.

Step 1: Write a system flash memory card

Process of writing a flash memory card:



1. The USB device will be read automatically

2. Verify that the Boot selection is correct

3. Click on SELECT

4. Click START to write the memory card

Figure 1: rufus software operation diagram

Download the firmware update zip file x6200udimg and unzip it

1. Run the rufus-3.10p.exe program in the sd_tool folder, if prompted for administrator privileges, click "Yes".
2. On the software interface:
 - 2.1. Device drop-down box select the card reader drive letter (as shown H drive in Figure 1);
 - 2.2. Boot selection Select Disk or ISO image from the drop-down list.
▲The above two items usually do not need to be operated manually, the software will automatically recognize the items, Just make sure these are correct.
 - 2.3. Then click SELECT button to select the x6200udimg.img file in the unzipped folder (in the root directory);
 - 2.4. Click the START button to start writing. If any prompt box eject, always click "OK";
 - 2.5. When the progress bar reaches 100%, click CLOSE to close the software. Eject the memory card reader in the device Manager and remove the written memory card. **Do not remove the memory card reader directly to avoid damaging the files in the memory card.**

How to update the X6200 operating system:

After the X6200 is powered off, insert the written memory card into the card slot on the right hand side of the device, press and hold the power button to turn it on (Press and hold until the LOGO light is on), the LOGO will be displayed and the system will automatically update without manual operation. In about 50 seconds time, the update will be executed, the "[INFO] update finished" message is displayed, and the X6200 automatically powered off. After unplugging the external power supply, removing the memory card, reconnecting the external power supply, and restarting, the system update is complete.

Note:

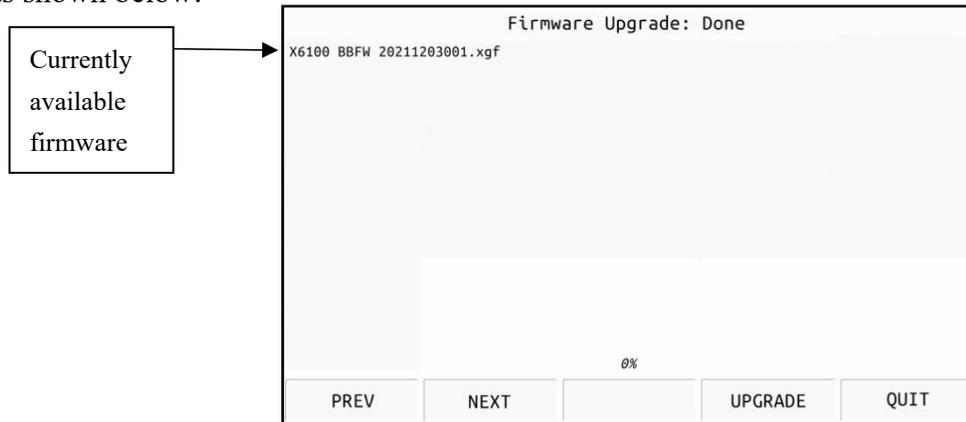
1. After the flashing is completed and the power is automatically powered off, make sure to remove the memory card before turning on. Otherwise, the update process will run again.
2. After the system update, if the screen turns black but the LOGO indicator light is always on, please wait for about 3 minutes, the system will restart automatically (please do not press any button during the process); If you don't want to wait, you can unplug the external power supply, remove the battery. Then install the battery again, connect the external power supply, and perform a manual boot.

Step 2: Update baseband firmware

1. After updating the system firmware, flip the switch on.
2. Press the corresponding button of [SYSTEM SETTING] to enter the submenu of "System Setting", as shown below:

SYSTEM SETTING				
TIME SETTING	SYSTEM INFO	FIRMWARE UPGRADE	WLAN	BLUETOOTH
WFSERVER	语言设置			
FACTORY RESET				
				EXIT

3. Select the "FIRMWARE UPGRADE" using MFK rotary knob and short press the MFK knob to enter the item, as shown below:



The functions of each button are as follows:

PREV: Select the previous firmware

NEXT: Select the next firmware

UPGRADE: Starts updating the currently selected firmware

QUIT: Exits the current interface

4. Short press the [UPGRADE] button. After about 5 seconds, the update will start, and the progress bar will increase. About 20 seconds later, when the progress bar reaches 100%, the update is complete. Press the [QUIT] button to exit and return to the SYSTEM screen.

5. Select "FACTORY RESET" using MFK rotary knob and short press the MFK knob to enter the reset process. Press the "OK" button to reset the system according to the interface prompts. After about 10 seconds, the system automatically restarts.

6. Manual powered off, disconnect the external power supply. Reconnect the external power supply, and then turn it on. The update process is now complete.