

Overwriting the Firmware of the Repeater

For NXR-x00, the 2nd generation firmware cannot be written to a repeater on which the 1st generation firmware is functioning. Also, the 1st generation firmware cannot be written to a repeater on which the 2nd generation firmware is functioning. For writing firmware, the generation of the repeater can be switched by writing the firmware for migration once. This section describes how to write the firmware for migration from the 1st generation to the 2nd generation required to change from the 1st generation to the 2nd generation. When migrating from the 2nd generation to the 1st generation, only the firmware used for migration differs and the steps are the same. For an NXR-5x00 repeater, switching the generation is not required.

- Different firmware is used as the firmware for migration from the 1st generation to the 2nd generation and as the firmware for migration from the 2nd generation to the 1st generation.

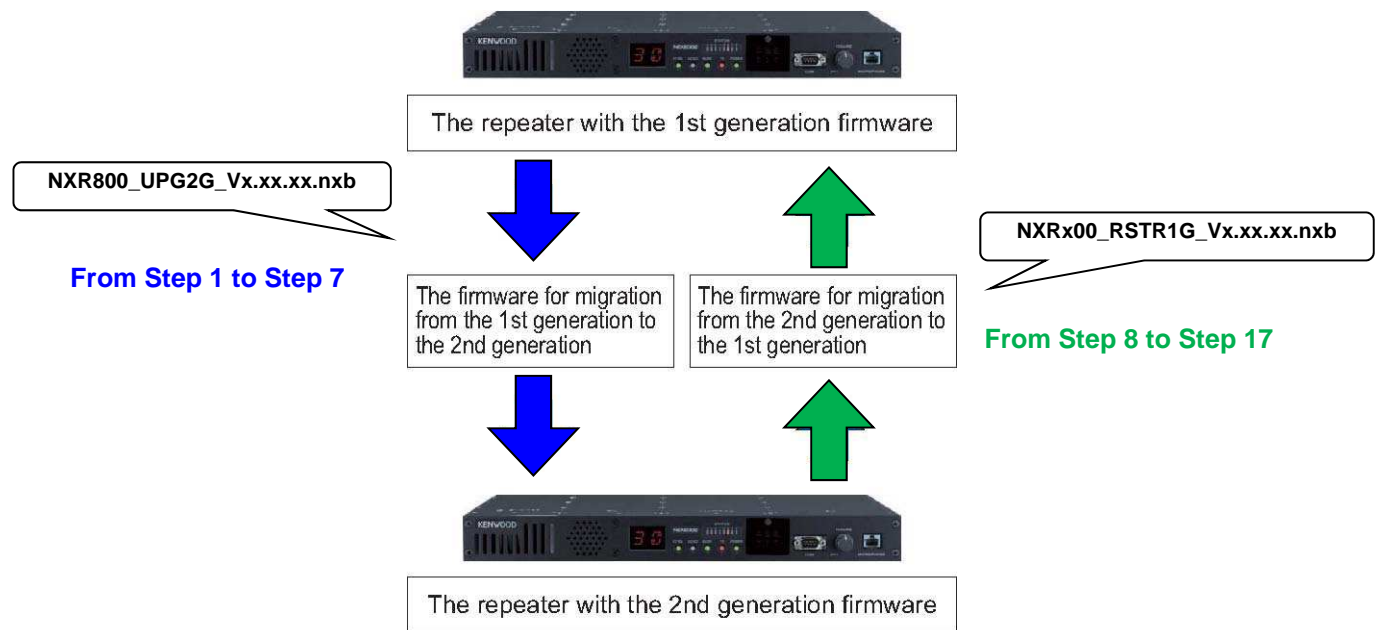


Figure 3-1 Overwriting the Firmware

For details procedure from Step 1 to 4

to Step 17, refer to Page 2

- Step 1.** Connect a repeater and a PC with a 9-pin serial crossover cable, and then run Fpro.exe.
The executable file is in the same folder as “kpg109d.exe”.

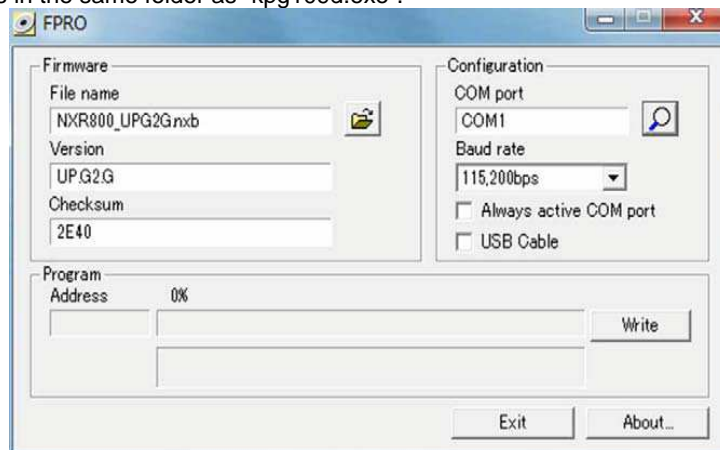


Figure 3-2 Fpro

- Step 2.** Click the folder icon, select the firmware to be written for migration from the 1st generation to the 2nd generation, and then click the “Write” button.
- Step 3.** If the Firmware writing with “NXR800_UPG2G_Vx.xx.xx.nxb” succeeded in a repeater, Fpro software shows following message.

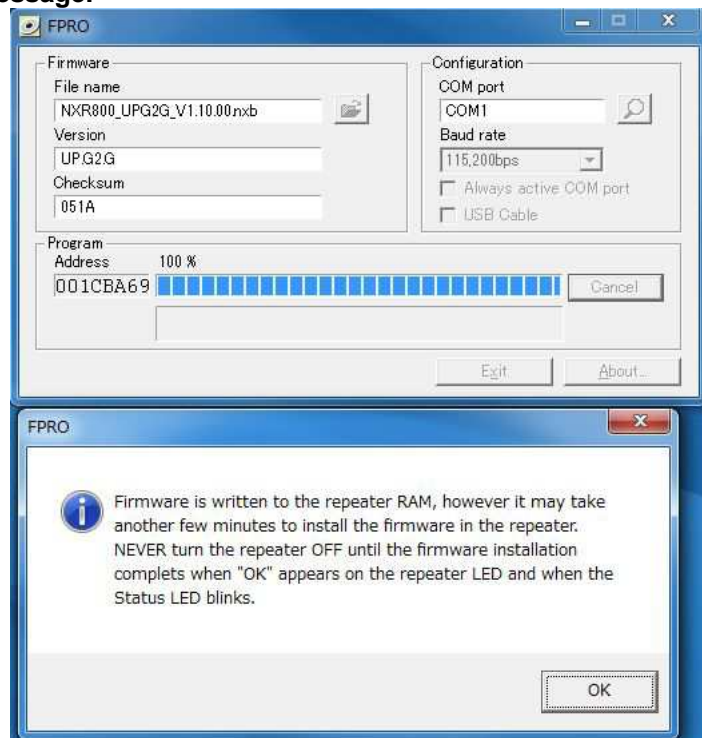


Figure 3-3 Gen 2 migration firmware

- Step 4.** After that the repeater displays “OK” on the 13-segment LED and STATUS LED blinks.



Figure 3-4 Gen 2 migration firmware writing succeeded

- Step 5.** To operate the repeater in 2nd generation system (Gen2), set up necessary setting with SCU for the repeater.
- Step 6.** Turn off the power of repeater and install the repeater to a Gen 2 system. And so, the repeater will display “PG” on the 13-segment LED and 2nd generation firmware is written into the repeater automatically.
- Step 7.** After that the repeater will start up in the Gen 2 system automatically and the repeater will work follow to the setting by SCU in the Gen 2 system.
- Step 8.** Remove a repeater from Gen 2 System. At that time, the repeater will display and blink “E6” on the 13-segment LED.
- Step 9.** Connect a repeater and a PC with a 9-pin serial crossover cable, and then run Fpro.exe.
The executable file is in the same folder as “kpg109d.exe”.
- Step 10.** Click the folder icon, select the firmware “NXX00_RSTR1G_Vx.xx.xx.nxb” to be written for migration of 1st generation, and then click the “Write” button.
- Step 11.** If the Firmware writing with “NXX00_RSTR1G_Vx.xx.xx.nxb” succeeded in a repeater, Fpro Software shows following message.

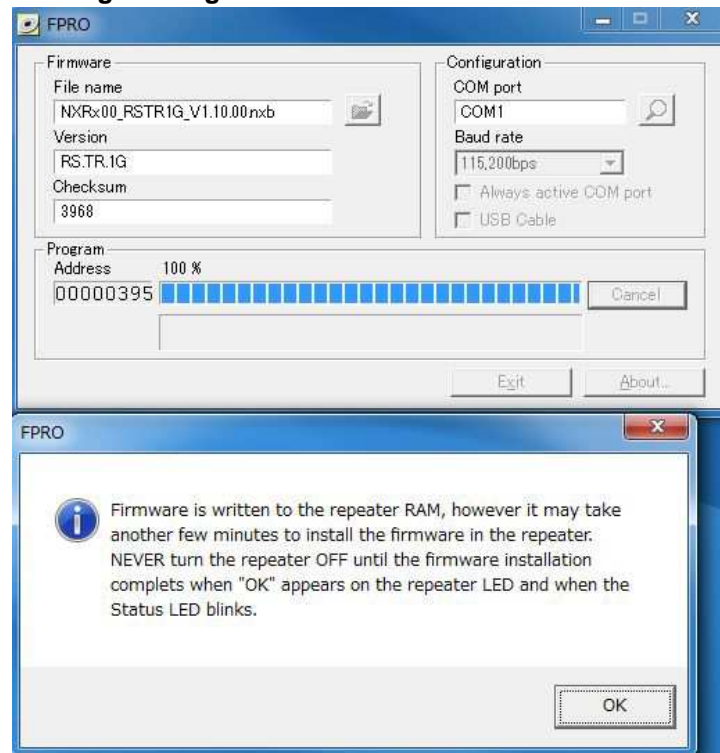


Figure 3-5 1st generation migration firmware

- Step 12.** After that the repeater displays “OK” on the 13-segment LED and STATUS LED blinks.

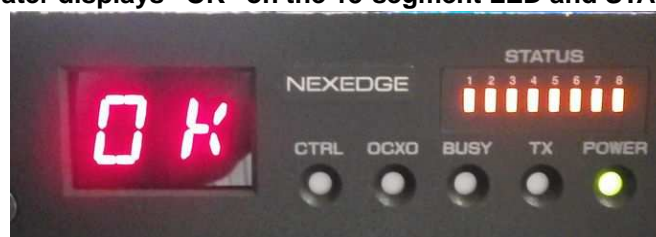


Figure 3-6 1st generation migration firmware writing succeeded

- Step 13.** Turn off the power of repeater and turn on the power of repeater again. And, the repeater will display

“PG” on the 13-segment LED.

Step 14. Click the folder icon, select suitable 1st generation firmware to be written for 1st generation, and then click the “Write” button.

Step 15. If the Firmware writing with 1st generation firmware succeeded in a repeater, Fpro Software shows following message.

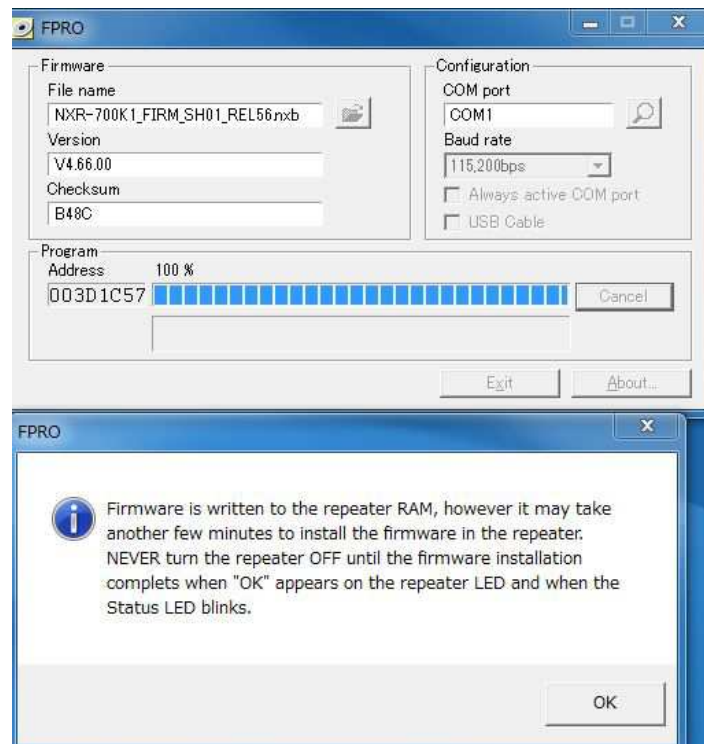


Figure 3-7 1st generation firmware

Step 16. After that the repeater displays “OK” on the 13-segment LED and STATUS LED blinks.



Figure 3-8 1st generation firmware writing succeeded

Step 17. Turn off the power of repeater and turn on the power of repeater again. And, the repeater will display “E1” on the 13-segment LED.

End