

Instructions to use the BGAN software upgrader for the HNS9201 BGAN modem.

1. Run the attached file (3.6.1.0.exe) which will unpack the BGAN upgrader into the c:\BGAN_Upgrader_3.6.1.0 folder on your computer.
2. Connect the Ethernet port of the BGAN modem to be upgraded to the LAN port of the PC using a standard Ethernet cable. Insert a SIM card into the BGAN modem.
3. Connect an AC/DC converter (supplied in the BGAN install kit) to the BGAN modem, If it does not power on automatically, press the power button to turn it on.
4. Run BGANUpgrader.exe file in the above folder.
5. On the BGAN Upgrader Window, click on "Upgrade" button.
6. During the Upgrade process, it is imperative that the power supply and Ethernet connections to the BGAN modem are not removed or interrupted.
7. The status and progress of the Upgrade is shown in the BGAN Upgrader window.
8. If a SIM card is not present, an error window will pop up asking to check that a SIM card is present. You will then need to go back to Step 2.
9. The upgrade process will proceed. After ~2 minutes, a window will pop up stating: "Upgrade Complete. Click OK and wait until we get software version."
10. Click OK.
11. After ~30 seconds, the following message will appear in the window: "Software version was retrieved!"
12. Terminal has been successfully upgraded, and the power and Ethernet connections can be removed.
13. If you want to upgrade another terminal, there is no need to close the BGAN Upgrader window. Just repeat Steps 2 through 12, but omit Step 4.

If an earlier software upgrade was unsuccessful, then the modem will power-up in a bootrom mode, and the LEDs will show a pattern of flashing and solid red/green colors (refer to the user guide for more details). You can also force the modem to power-up in this mode by pressing the audio button when you power-up the modem. The upgrader can still be used to re-upgrade the modem if it is in bootrom mode.

The following functions are also available from the pull-down menu items:

File->

upgrade: upgrade modem software (same function as 5 above)

restore: restores the terminal software back to the version prior to the upgrade

PICupgrade: upgrades only the PIC software, not the main modem software. The PIC software is not normally part of the software release, so is not normally upgraded at the same time as the modem software. If the upgrader includes PIC software, then it will be automatically upgraded.

Disable Auto PIC upgrade: disables the upgrader from automatically upgrading the PIC software if it is included with the upgrader.

Tools->

Get SW version: reads the software version loaded on your modem, and the version that is available to be upgraded
set DNS addresses: read and change the DNS server addresses in the terminal.

Note: it is recommended to set these to 0.0.0.0 for automatic DNS server address allocation.
Reset Modem: turns the modem off and back on.

Help->about upgrades: shows the version number of the upgrader.

Instructions to use the BGAN software Mac upgrader for the HNS9201 BGAN modem.

1. Download the attached ZIP file ([BGAN_Upgrader_3_6_1_0.zip](#)) run it from where ever you want the BGAN Upgrader to run on your Mac (e.g. Desktop, Applications folder, etc.)
2. Connect the Ethernet port of the BGAN modem to be upgraded to the LAN port of the Mac using a standard Ethernet cable.
3. Connect an AC/DC converter (supplied in the BGAN install kit) to the BGAN modem, If it does not power on automatically, press the power button to turn it on.
4. Run BGAN upgrader file.
5. On the BGAN Upgrader Window, click on "Upgrade" button.
6. During the Upgrade process, it is imperative that the power supply and Ethernet connections to the BGAN modem are not removed or interrupted.
7. The status and progress of the Upgrade is shown in the BGAN Upgrader window.
8. The upgrade process will proceed. After ~2 minutes, a window will pop up stating which version of software that is running on the Hughes 9201.
9. Terminal has been successfully upgraded, and the power and Ethernet connections can be removed.
10. If you want to upgrade another terminal, there is no need to close the BGAN Upgrader window. Just repeat Steps 2 through 8, but omit Step 4.