



Radioddity GD-AT10G Firmware Update Guide

Preparation & Important Note

1. To prevent damage to the CPU or memory IC, please turn off the GPS and APRS before connecting the radio to a PC. This will prevent the radio from transmitting.
2. Before updating and resetting the radio, please ensure that your codeplug is saved to your PC.
3. Verify that your PC recognizes the radio and that the CPS is functioning normally. If not, try installing the new driver GD_VirtualComDriver v2.0.2.4944.

(**Note:** Some users have reported that the GD-AT10G radio USB can connect to Windows 10 without the need for virtual drivers. When the radio is plugged in and turned on, Windows 10 automatically finds and installs a compatible driver. Therefore, if you are using a Windows 10 PC, do not install the Virtual Driver initially. Instead, simply plug the radio USB cable into your PC's USB port and allow Windows to find and install the driver. If Windows 10 fails to load a USB driver, please try installing the separate Virtual USB Driver.)

4. Ensure that the radio has at least half of its battery power remaining before proceeding with the update.

Firmware Update

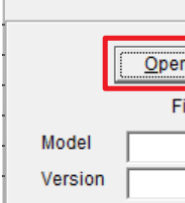
Option 1

1. Power off the radio
2. Connect the radio to your PC
3. In CPS -> Set -> Set Com, make sure that com port is correct
4. Hold pressing PTT key and PF3 key (top alarm key). At the same time power on radio, the red LED will blink.





-
- The screenshot shows the AT10_G software interface. The title bar reads "AT10_G[:UHF(400 - 480 MHz)][:new.rdt]". The menu bar includes "File", "Model", "Set", "Program", "Tool", "View", and "Help". The left sidebar shows a tree view with "AT10_G" selected, containing sub-items like "Common Setting", "Channel", "Zone", "Scan List", "Roaming Zone", "FM", "Auto Repeater Offset Frequen...", "Roaming Channel", "Device Information", "Optional Setting", "Alarm Setting", "Local Information", and "Hot Key". The "Common Setting" folder is expanded. The "Aprs Information Manager" menu is open, displaying options: "Import", "Export", "Mode", "eXtended", "Firmware and Icon Update" (highlighted with a red rectangle), "Boot Image", "Default Channel Information", "Options", "Standby BK Picture1", "Standby BK Picture2", "Zone Hide Operation", "Channel Talker Alias Operation", and "export Data Conversion File". The background shows a table with columns: "type", "Power", "Band Width", "CTCSS/DCS Decode", and "CTCSS/Encor".


- 
- Firmware_Update
- Open Update File**
- File Name
- Model
- Version
- ☐ Encrypt
- Com Port ☒ Duplex
- Com Speed
- Write**
- Exit

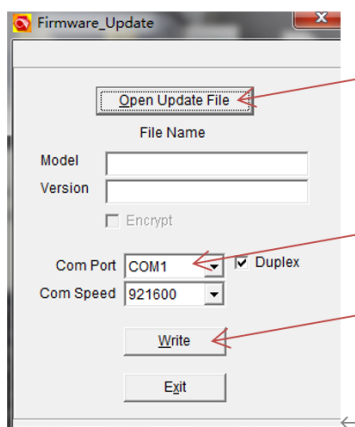
8. Reboot the radio when the update is finished successfully.



Option 2

1. Install the independent FW update tool.
2. Run the update tool.

 QX_Firmware_Update_Setup_1.01.exe



Choose spi data↵

Choose com↵

Click write and finish↵

Note: After the firmware update, the screen display should return normal. If it return to the Clock-Set screen display after updating, you will have to redo the update.

Rebooting the MCU

After updating the firmware, you need to reset to the radio's Main Control Unit (MCU).

1. Power off the radio first. Then power it on while holding the PTT and the PF1 button below the PTT at the same time. The radio will start up with a note on the display stating "MCU Reset".
*** Please Wait – and do not turn the radio off while it restarts ***



2. After the MCU reboot, you will have to set the time and date.
Use the P1 key to scroll through the date / time fields. The Up and Down arrow keys will allow you to change the information in these fields. After you have the information entered use the Menu key to confirm the settings.
3. Reload your saved code plug as the final step



Key/Button Reference



①-② Speaker Mic Jack

③ Antenna

④ [PF3] Alarm Key

⑤ Channel Switch

⑥ Power/Vol

⑦ LED Indicator

⑧ LCD

⑨ Menu Key

⑩ Exit Key

⑪-⑫ P1/P2 Key

⑬ MIC Input

⑭ PTT Button

⑮ [PF1] Key

⑯ [PF2] Key