

# How to Update the Firmware on Your GMRS-RPT50

Updating the firmware on your GMRS-RPT50 repeater ensures it runs efficiently with the latest features and updates. Here's a step-by-step tutorial to guide you through the firmware update process.

## Step 1: Download Firmware

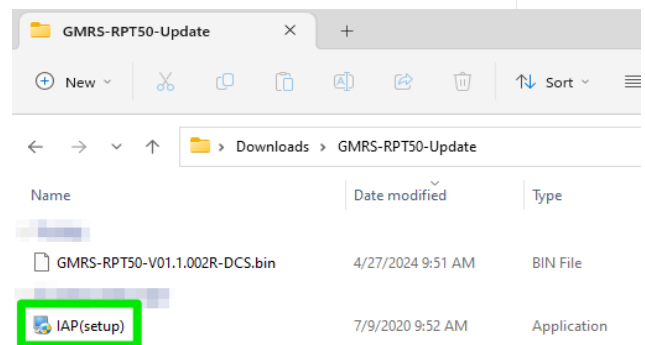
First, download the firmware file for the GMRS-RPT50 from the **User Manual and CPS Software** Tab at: <https://baofengtech.com/gmrs-rpt50>

## Step 2: Unzip the File

Once the download is complete, locate the file on your computer. Right-click the file and choose "Extract All" or use your preferred unzipping software to extract the contents to a folder.

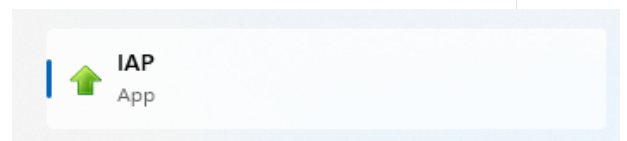
## Step 3: Install the IAP Programmer Tool

From the extracted files, find and run the **IAP(setup).exe** file to install the IAP Programmer Tool on your computer (right click and "run as administrator"). Follow the installation prompts to complete the setup.



## Step 4: Launch the IAP Tool

After installation, open the IAP Programmer Tool by finding it in your Start menu or on your desktop.



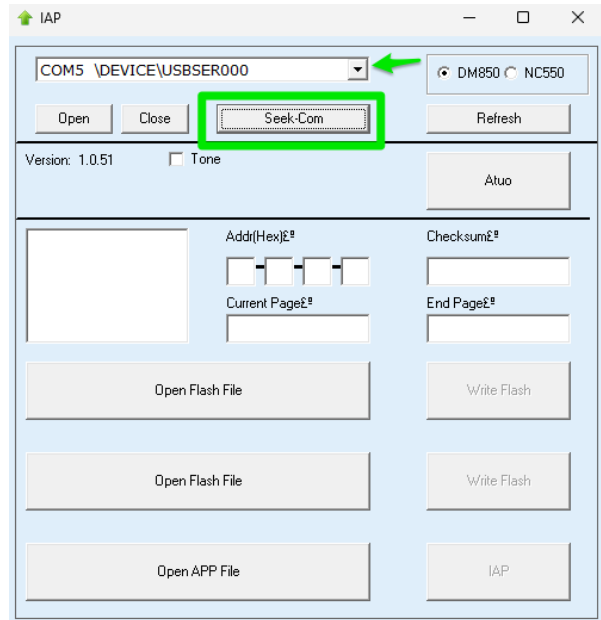
## Step 5: Enter Firmware Update Mode

Turn the GMRS-RPT50 repeater into firmware update mode by holding down the green key while powering it on. The LCD should remain off if done correctly. Then, connect the repeater to your computer using a USB programming cable.



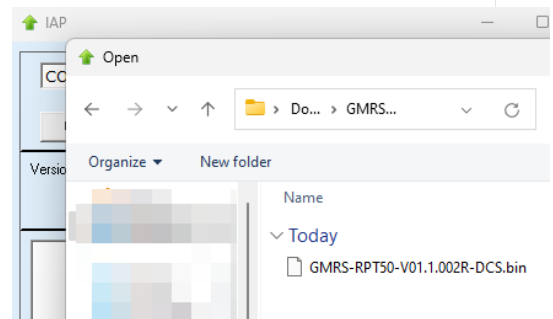
### Step 6: Connect to COM Port

With the IAP tool open, click "Seek-Com" to detect the COM ports available. Select the COM port that corresponds to your connected device.



### Step 7: Open Firmware File

Click on "Open APP File" and navigate to the firmware file you extracted earlier, typically named something like `GMRS-RPT50-V01.1.003R.bin`. Select this file to proceed.

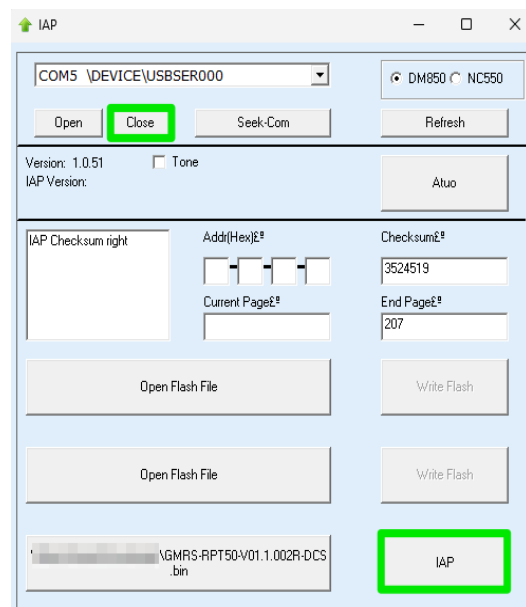


### Step 8: Start the Firmware Update

Click "IAP" to start the firmware update process. The tool will write 207 blocks of data to the repeater. Wait for the process to complete without interrupting it.

### Step 9: Close COM Port Connection

After the update is completed, click "Close" in the IAP tool to safely disconnect your repeater from the computer.



Step 9

Step 8

## **Step 10: Reboot the Repeater**

Finally, reboot your repeater. It should now be running the latest firmware version.

By following these steps, your GMRS-RPT50 repeater will be updated and ready for continued use with improved functionality and performance.

## **Handmic FAQ**

Please note that the handmic included with your GMRS-RPT50 serves specific functions such as setup, password entry, and onboard configuration of the repeater settings. It is also capable of manually toggling the Morse ID feature when the feature is set to "close." However, it is important to understand that the handmic is not designed for transmitting through the repeater. This limitation is due to its circuit design, which is separated from the analog interface with the repeater's RF (Radio Frequency) transmitting system. Essentially, the handmic is designed to configure the repeater's control interface rather than its transmission mechanism.

Release Notes History:

### **June 2024: 1.003R**

Typo Corrections in Menu Names

Adds 15 Minute CW Interval Time

Enable or Disable CTCSS/DCS Identification with CW ID

Adds Customizable Courtesy Tone Option

### **April 2024: 1.002R-DCS**

This firmware update for the GMRS-RPT50 addresses a crucial issue where DCS repeater mode was not enabled due to conflicts with Morse ID transmissions. This update restores and resolves the issues between Morse ID and DCS tone operations.