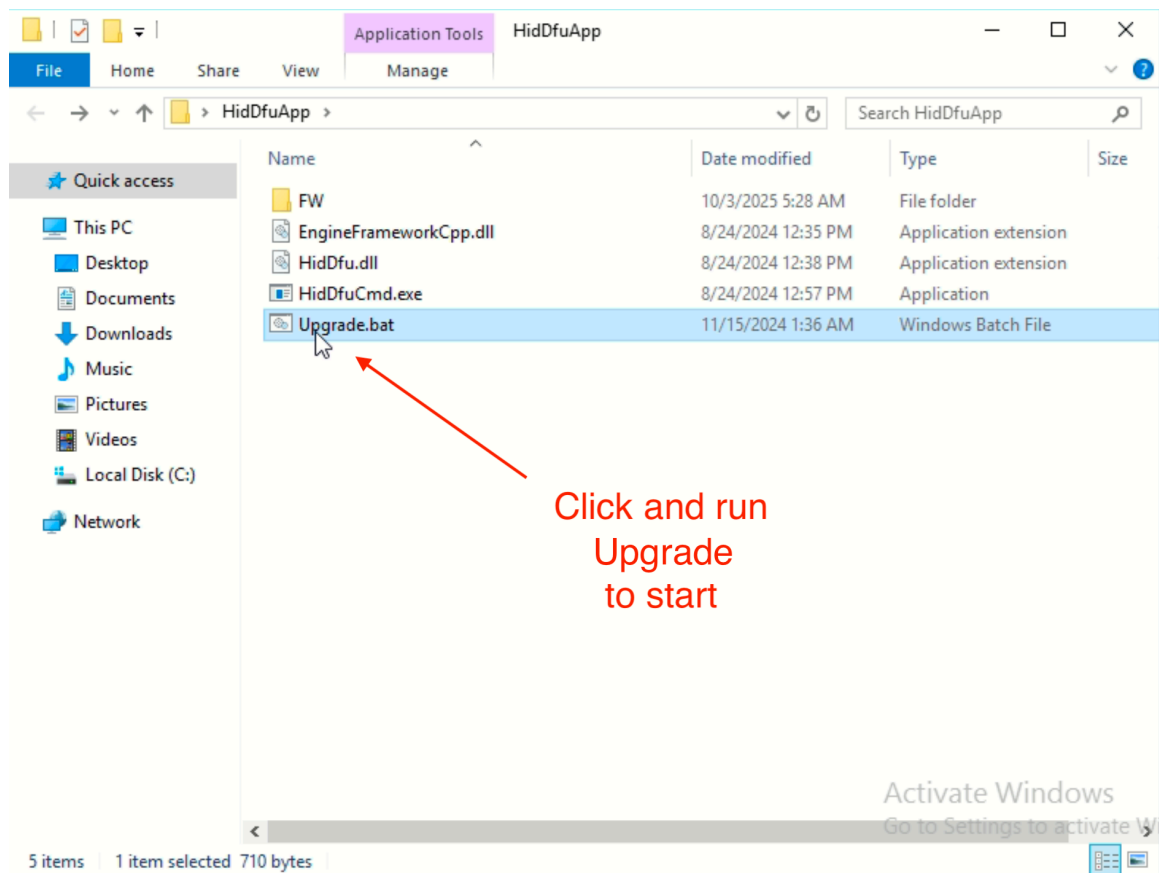


# Firmware Upgrade Instructions

This guide explains how to upgrade firmware for Bluetooth headphone, receiver, and speaker devices **Powered by QKAudio**. *The firmware upgrade tool runs on Windows PCs only (Windows 10/11). Mac and Linux computers are not supported.*

## Firmware Upgrade Steps

1. Use a **USB data cable** (avoid charge-only cables) and plug the device directly into your PC's USB port.
2. Download and save the file **HidDfuApp\_MODEL\_rX\_X\_XXX.zip**.
3. Extract all files inside to your desktop folder or another directory you choose.
4. Open the extracted folder **HidDfuApp**, click and run **Upgrade** to start the firmware upgrade process.



5. Press Enter to accept the default firmware bin file. The file is already inside the **HidDfuApp/FW** folder.
6. Enter **y** to continue the upgrade process.
7. Upgrade will start now. It may take a few minutes to complete.

```
C:\Windows\system32\cmd.exe
Enter firmware file name (default is DFU_JY538_PROD_RC4_14_118_ENCRYPTED.bin):
C:\Users\%GT_POS1%\Desktop\HidDfuApp\HidDfuCmd.exe upgradebin 0xA12 0x4008 0x1 0xFF00 "FW\DFU_JY538_PROD_RC4_14_118_ENCRYPTED.bin"
HidDfuCmd.exe, version 4.0.7.672 Release
Copyright (c) 2012-2024 Qualcomm Technologies International, Ltd.
All Rights Reserved.
Qualcomm Technologies International, Ltd. Confidential and Proprietary.
Found 1 devices. Do you want to upgradebin all? (y/n) y
DEVICE INFORMATION (before upgrade)
-----
Device Number  Version Major  Version Minor  Config Version
-----
1                1                0                1
0% completed_
```

Accept the default firmware file

Enter y to continue

Upgrade will start and may take a few minutes

8. When upgrade finishes, press any key to close the window.

```
C:\Windows\system32\cmd.exe
C:\Users\%GT_POS1%\Desktop\HidDfuApp\HidDfuCmd.exe upgradebin 0xA12 0x4008 0x1 0xFF00 "FW\DFU_JY538_PROD_RC4_14_118_ENCRYPTED.bin"
HidDfuCmd.exe, version 4.0.7.672 Release
Copyright (c) 2012-2024 Qualcomm Technologies International, Ltd.
All Rights Reserved.
Qualcomm Technologies International, Ltd. Confidential and Proprietary.
Found 1 devices. Do you want to upgradebin all? (y/n) y
DEVICE INFORMATION (before upgrade)
-----
Device Number  Version Major  Version Minor  Config Version
-----
1                1                0                1
Device(s) rebooting, waiting for 60 seconds...
upgradebin succeeded
DEVICE INFORMATION (after upgrade)
-----
Device Number  Version Major  Version Minor  Config Version
-----
1                1                1                2
Press any key to continue . . .
```

Upgrade finished