Stellaris Dongle & Gamepad Firmware Update – 1000Hz Polling Rate

Firmware Versions:
- Dongle: 2025-05-26_ZXD2075_Receiver_V242
- Gamepad: 20250626_ZXD2020_JTD-GG06_BLE_HALL3D_ZX652_V174
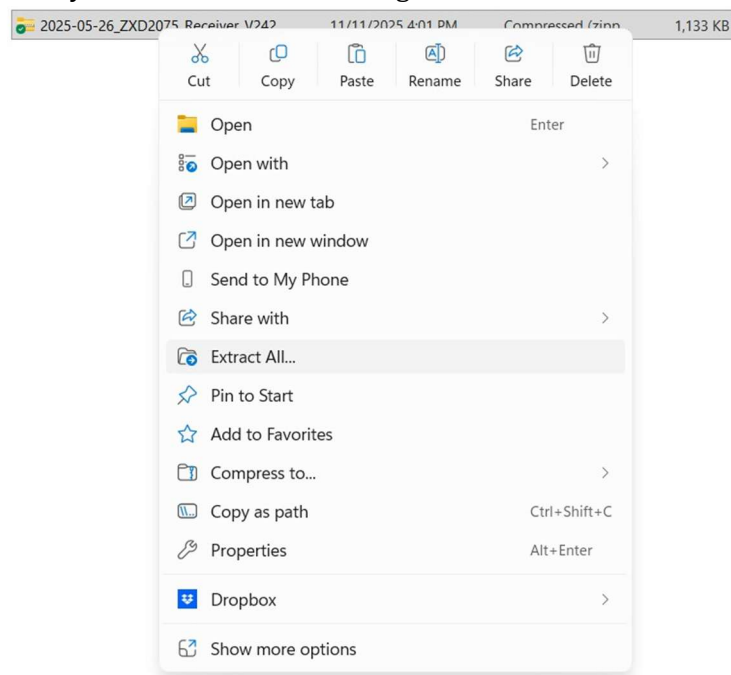Release Date: 26 May 2025

Important Notice

Before starting the firmware update, please temporarily disable your antivirus software and turn off Windows Security → Real-Time Protection.
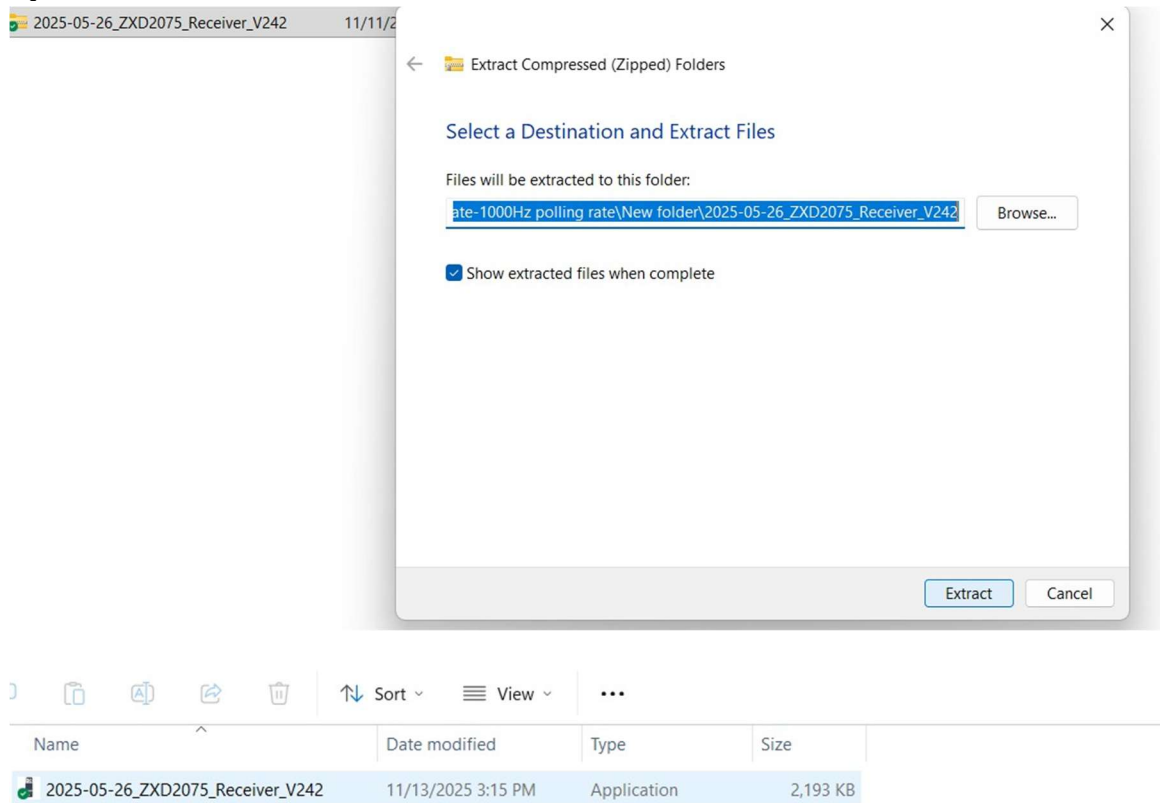
How to Update the Stellaris Dongle Firmware

1. Download the dongle firmware from the Cosmic Byte website → product page → scroll to bottom → click "Firmware Update."
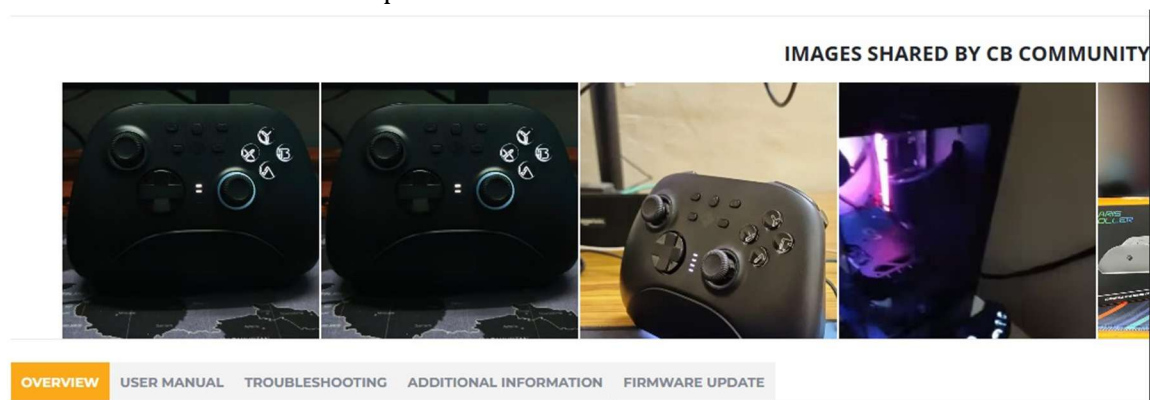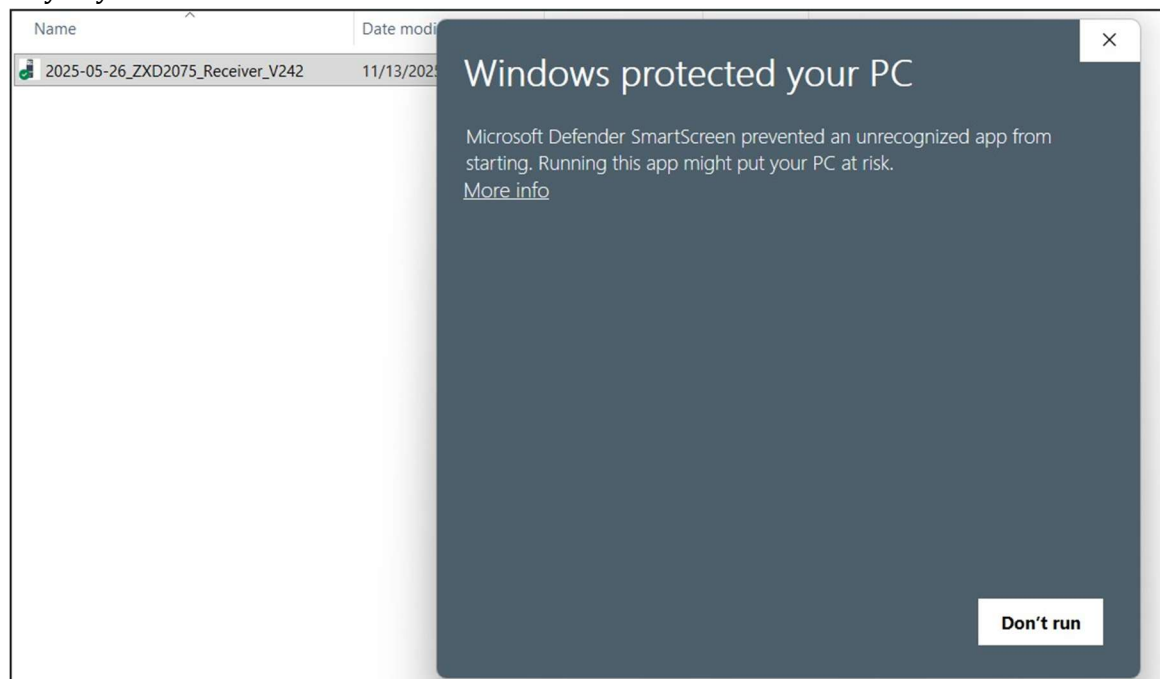

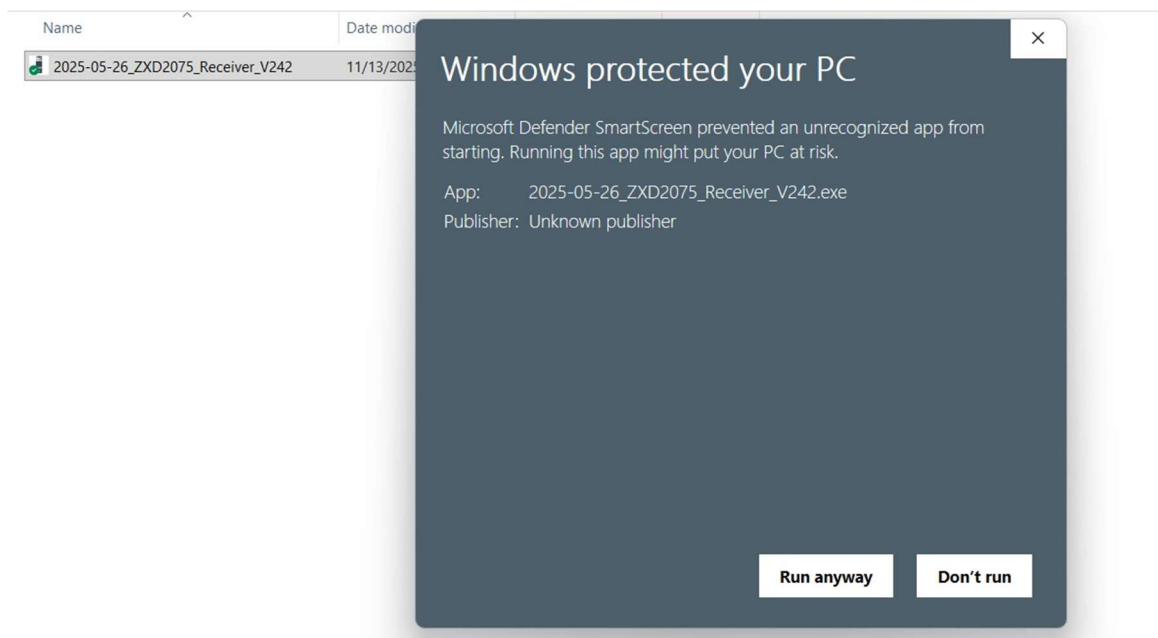Go to your Downloads folder. Right-click the ZIP file → select "Extract All."
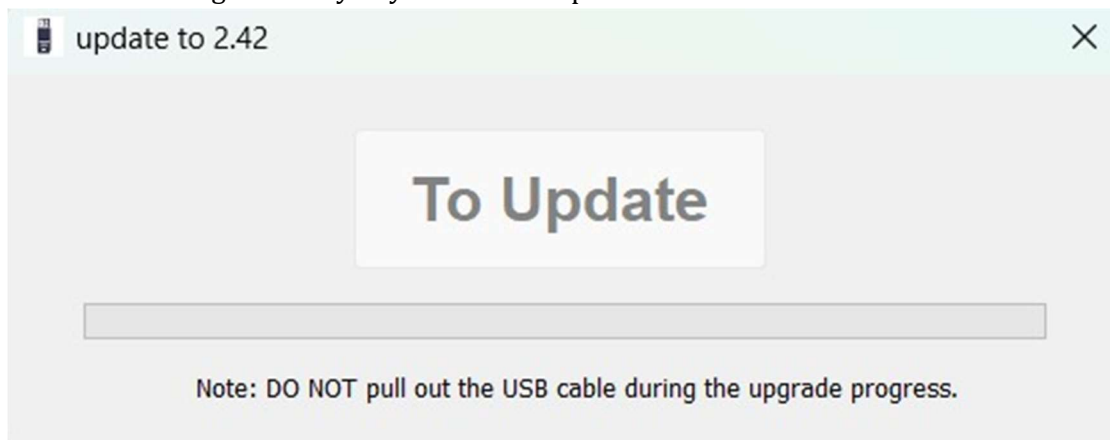
2. Open the extracted folder.

2025-05-26_ZXD2075_Receiver_V242   11/11/2

← 📁 Extract Compressed (Zipped) Folders

Select a Destination and Extract Files

Files will be extracted to this folder:

ate-1000Hz polling rate\New folder\2025-05-26_ZXD2075_Receiver_V242   Browse...

☑ Show extracted files when complete

Extract   Cancel

)   📋   Sort ˅   View ˅   •••

Name	Date modified	Type	Size
2025-05-26_ZXD2075_Receiver_V242	11/13/2025 3:15 PM	Application	2,193 KB

3. Double-click the firmware tool. If Windows shows a warning: click "More Info" → "Run Anyway."

Name	Date modi
2025-05-26_ZXD2075_Receiver_V242	11/13/202

Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

More info

Don't run

Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

App: 2025-05-26_ZXD2075_Receiver_V242.exe
Publisher: Unknown publisher

Run anyway   Don't run

4. Connect the dongle directly to your PC's USB port.

update to 2.42

To Update

Note: DO NOT pull out the USB cable during the upgrade progress.

5. Once detected, the tool will show an "Update" button.

| 2025-05-26_ZXD2075_Receiver_V242 | 13-11-2025 15:15 | Application | 2,193 KB |
| DeviceUsb.dll | 13-11-2025 15:19 | Application extens... | 9 KB |

update to 2.42

To Update

Note: DO NOT pull out the USB cable during the upgrade progress.
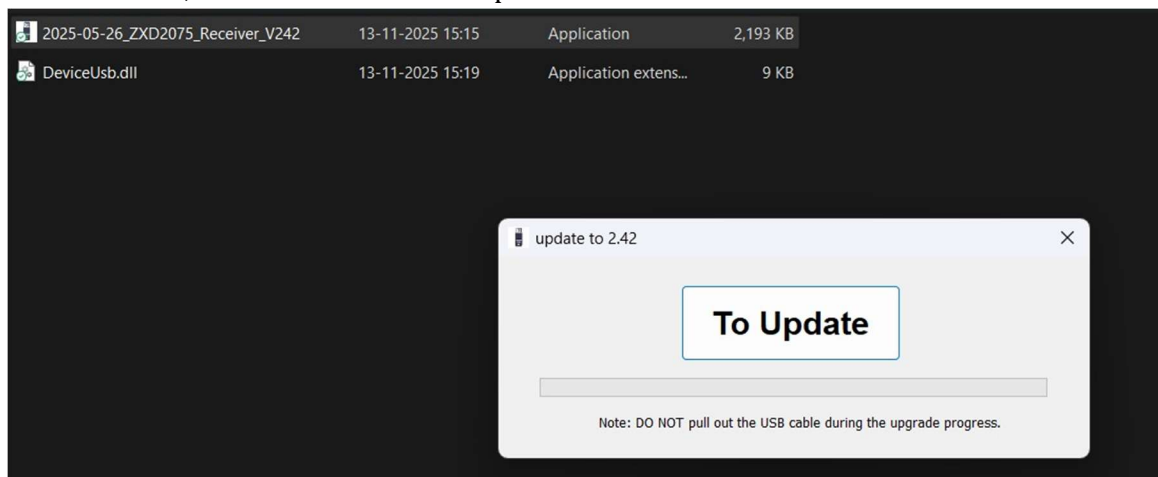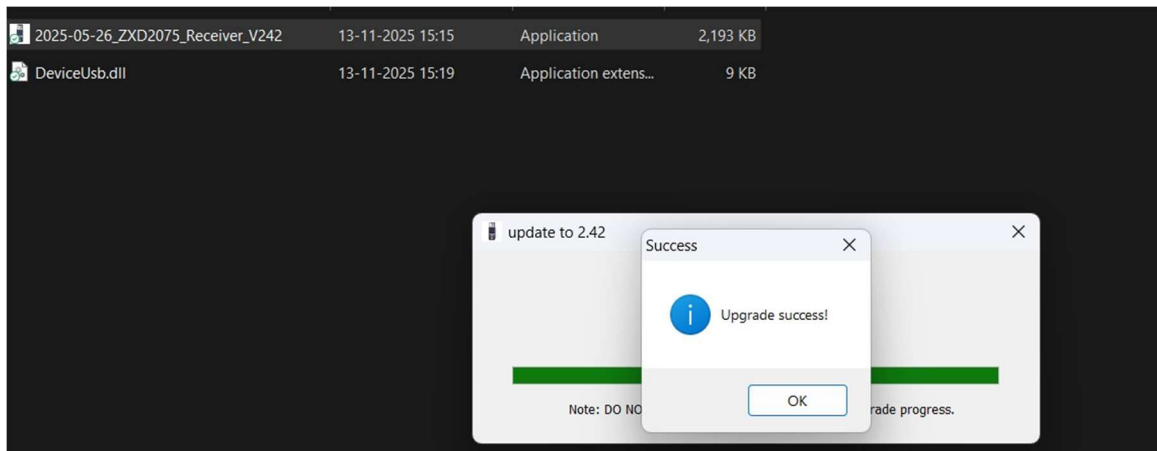
6. Click "Yes" to confirm the update.
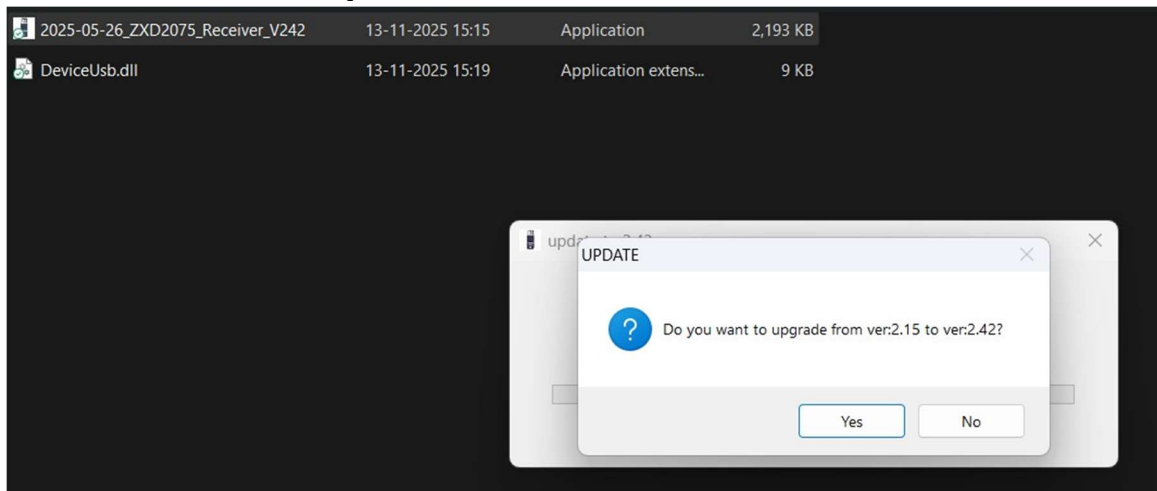
7. Wait until the update completes. Do not disconnect the dongle during the process.
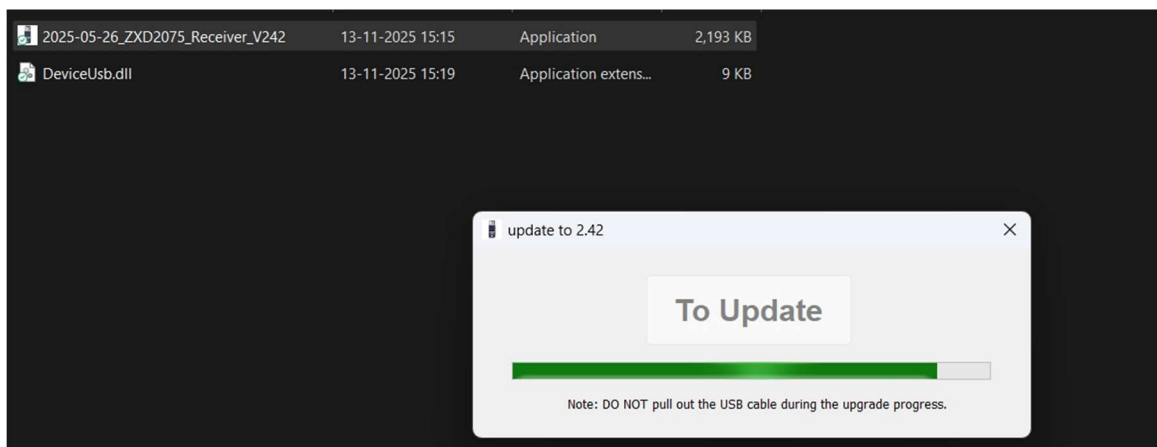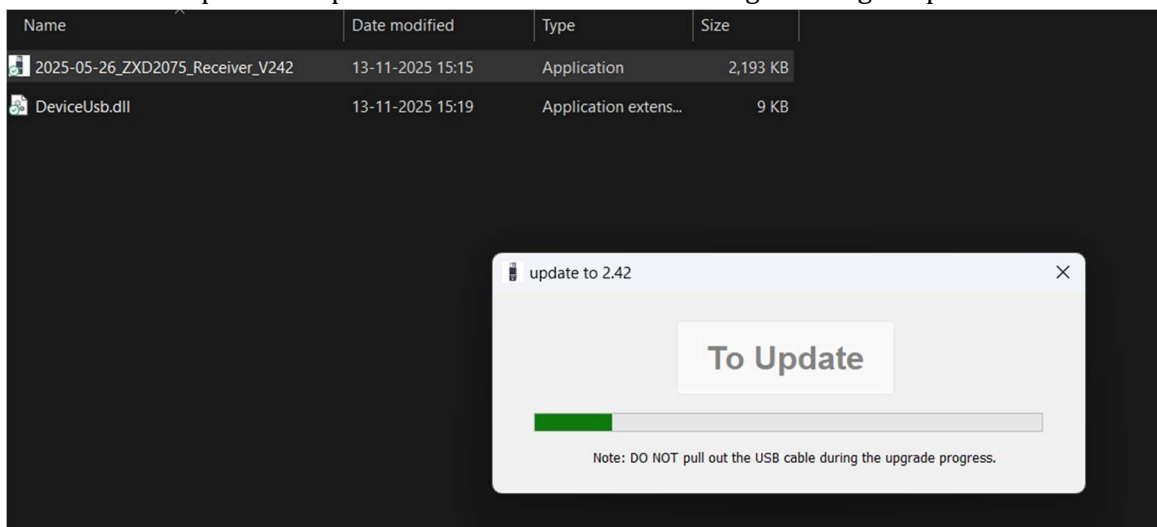
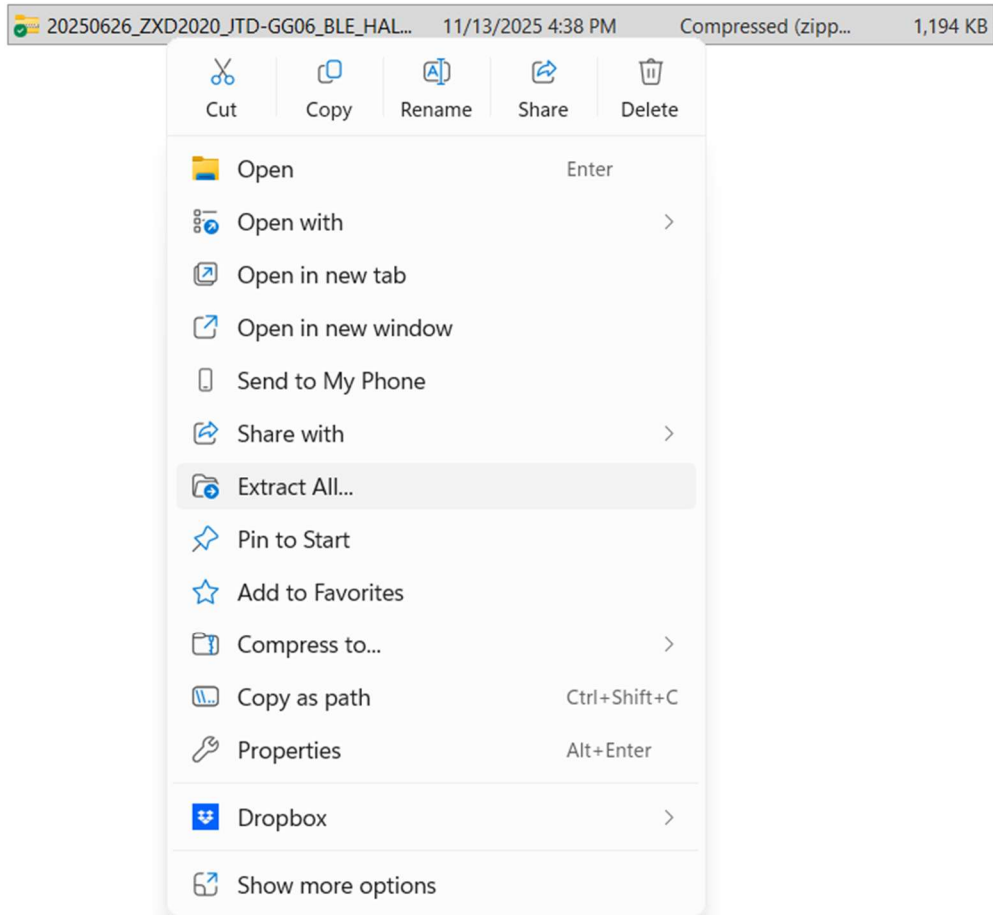## How to Update the Stellaris Gamepad Firmware

8. Download the gamepad firmware from the Cosmic Byte website → product page → click "Firmware Update."

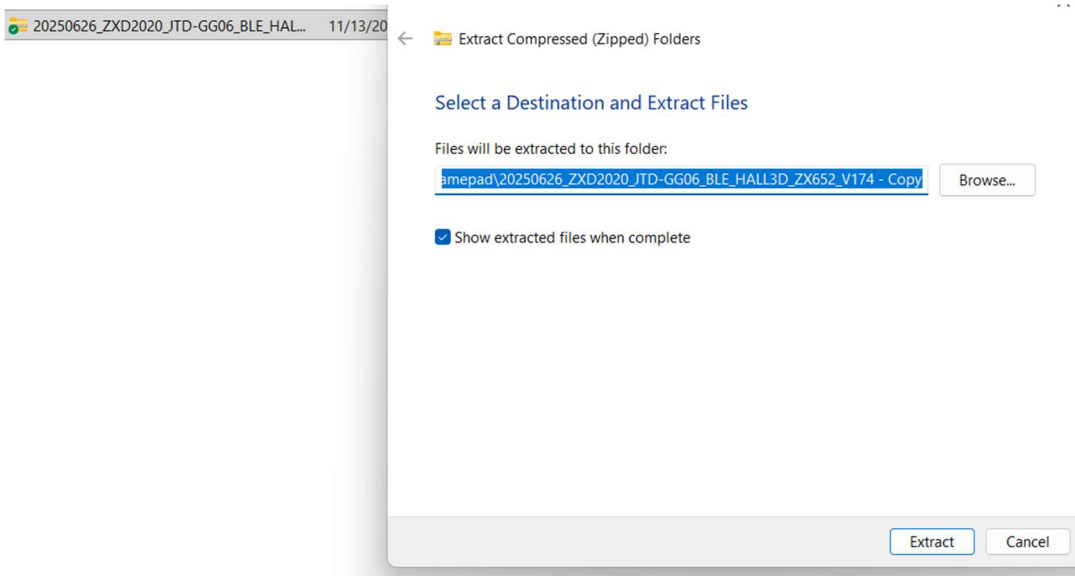9. Extract the ZIP file by right-clicking → "Extract All."

| 20250626_ZXD2020_JTD-GG06_BLE_HAL... | 11/13/2025 4:38 PM | Compressed (zipp... | 1,194 KB |

Cut   Copy   Rename   Share   Delete

- Open   Enter
- Open with   >
- Open in new tab
- Open in new window
- Send to My Phone
- Share with   >
- Extract All...
- Pin to Start
- Add to Favorites
- Compress to...   >
- Copy as path   Ctrl+Shift+C
- Properties   Alt+Enter
- Dropbox   >
- Show more options

10. Open the extracted folder.

| 20250626_ZXD2020_JTD-GG06_BLE_HAL... | 11/13/20 |

← Extract Compressed (Zipped) Folders

Select a Destination and Extract Files

Files will be extracted to this folder:

amepad\20250626_ZXD2020_JTD-GG06_BLE_HALL3D_ZX652_V174 - Copy   Browse...

☑ Show extracted files when complete

Extract   Cancel

11. Double-click the firmware tool. If a Windows warning appears: click "More Info" → "Run Anyway."
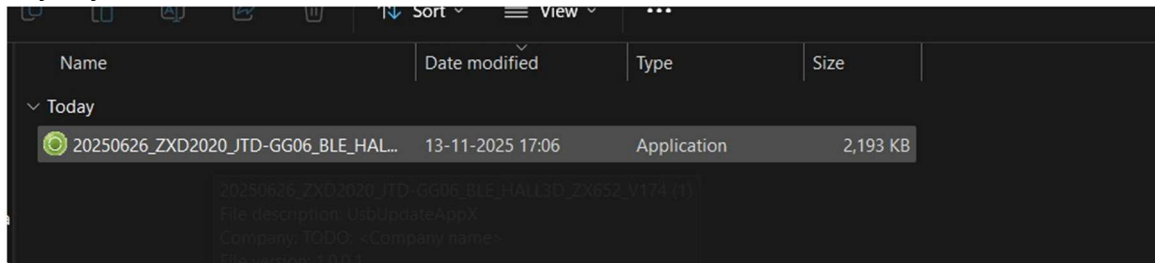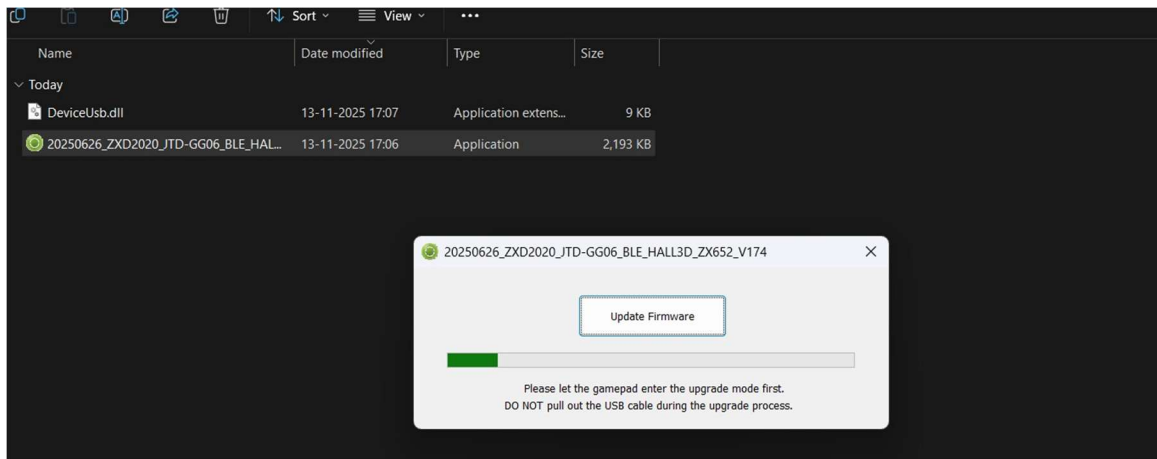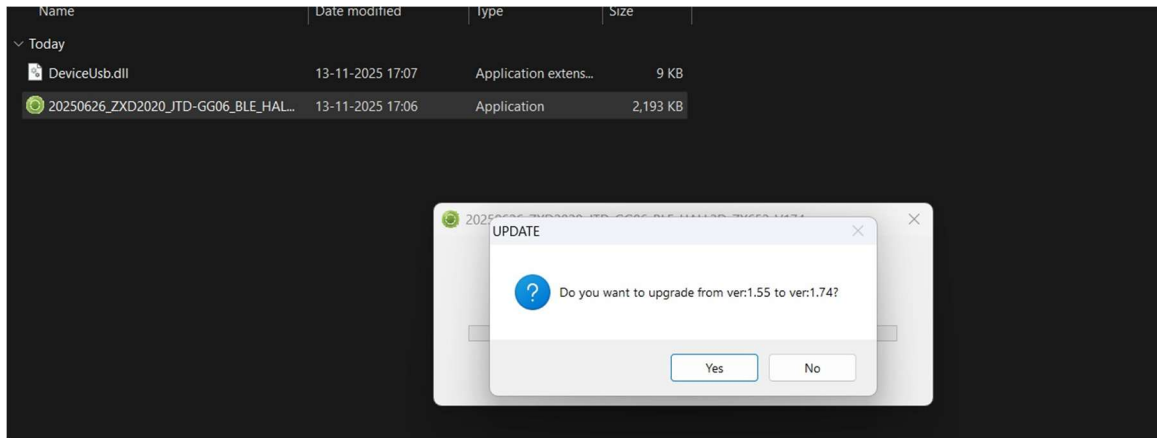

12. Turn OFF the controller.
13. Press and hold the L3 button (press the left joystick).
14. While holding L3, connect the controller to the PC using the USB cable.
15. Open the firmware file: 20250626_ZXD2020_JTD-GG06_BLE_HALL3D_ZX652_V174.
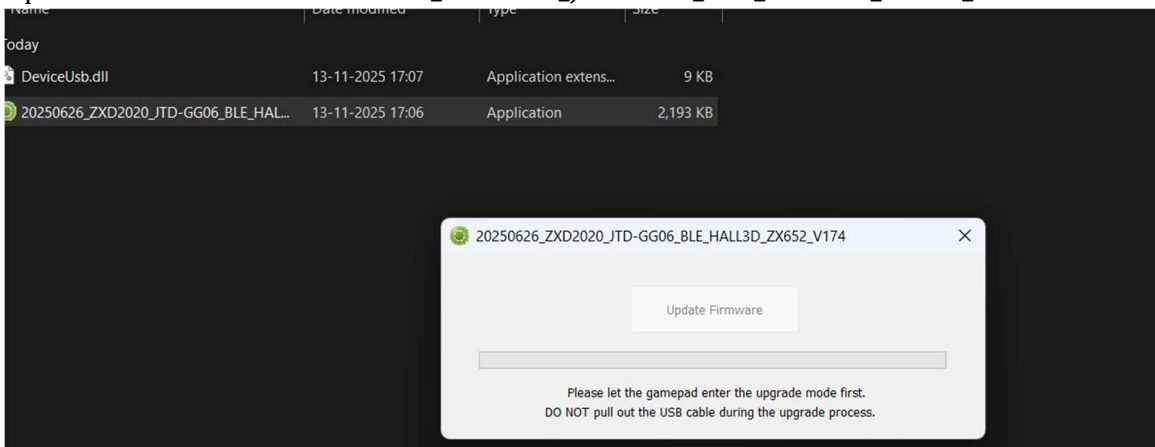
16. Click "Update" to complete the gamepad firmware installation.
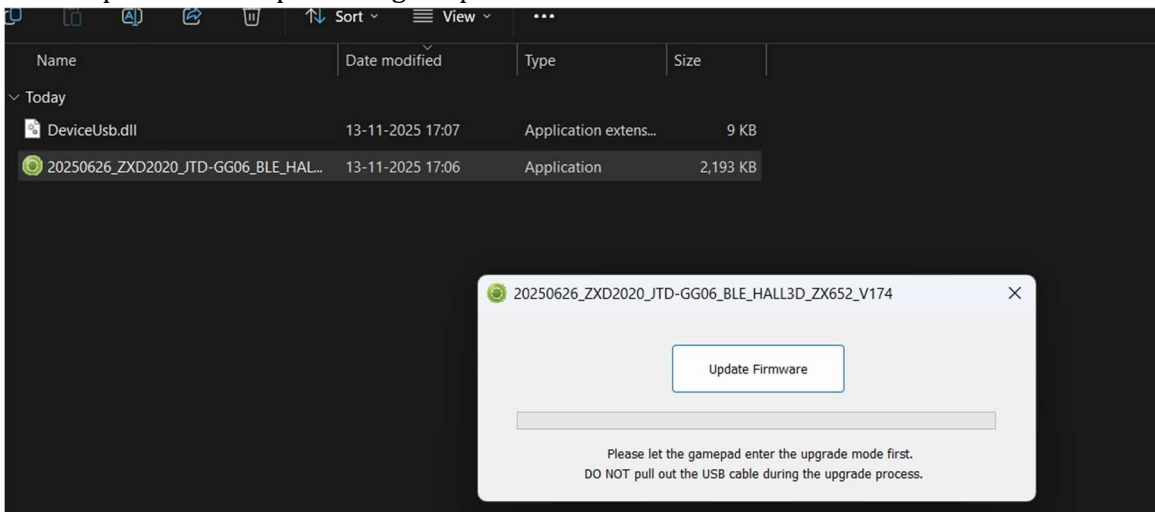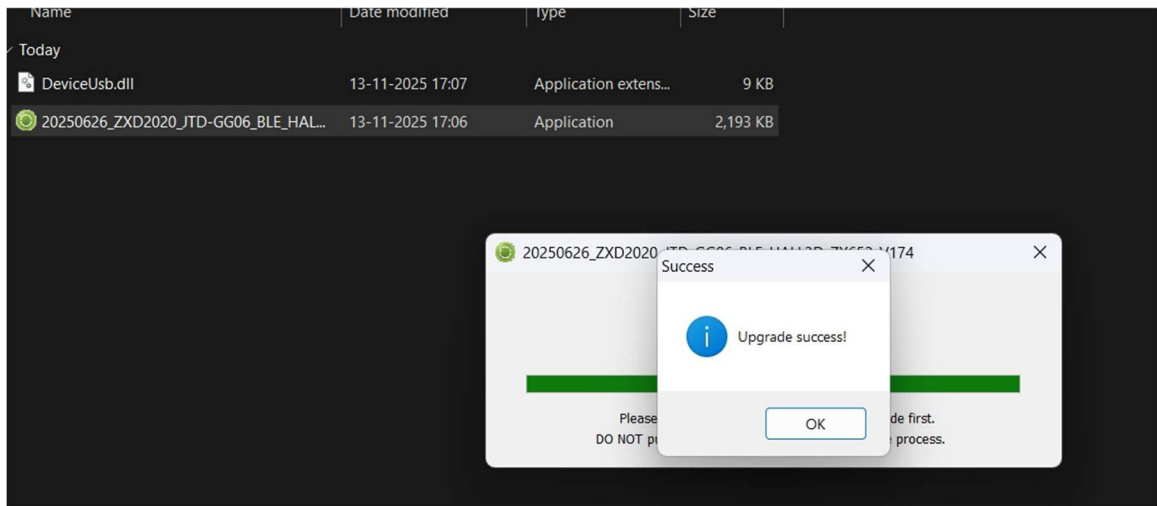
Firmware Release Notes

This firmware update enhances the performance of the Cosmic Byte Stellaris Gamepad dongle. After updating, supported dongles will now operate at a 1000Hz polling rate, ensuring faster response time and improved gameplay accuracy.

What's New – 1000Hz Polling Rate Support

• Dongle mode will now support a 1000Hz polling rate.
• This significantly reduces input latency and provides a smoother, more responsive gaming experience.

Supported Dongle Batches

Serial Number (S/N)	Current Dongle Version
STETP202401	v1.215
STETP202407	v1.215
STETP202409	v1.215
STETP202411	v1.215