Updating Glensound device firmware with Glensound Activator

The microcontroller code is the main firmware that operates the device. It can be updated via Glensound Activator in situations where network updates are not possible.

Items needed

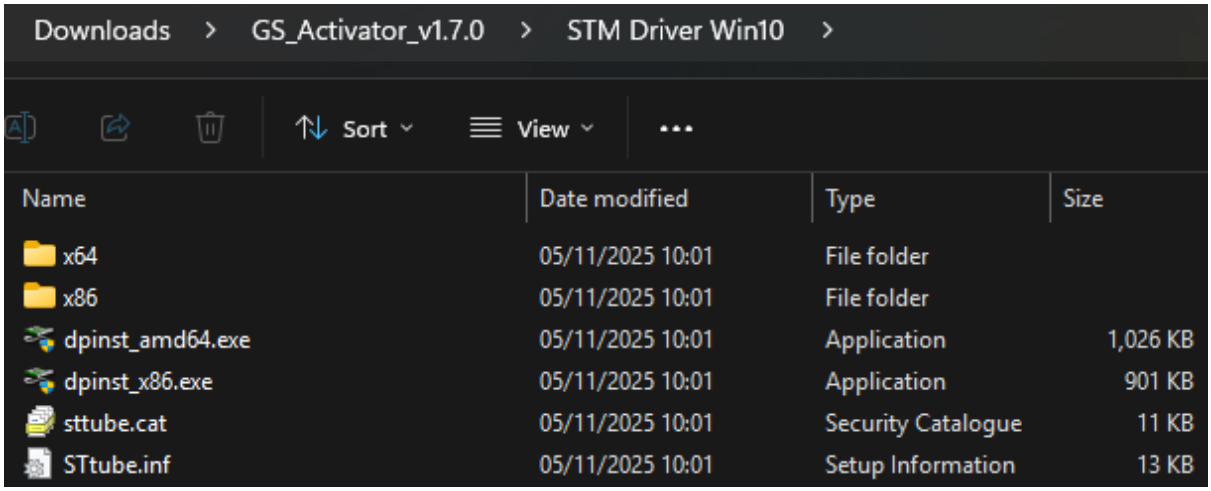
- A Windows PC
- Glensound Activator
- STM device driver installed
- USB cable with appropriate connector for the device (typically USB A to USB C)
- Power source for the device
- A .dfu firmware file

Install STM device driver (only neccesary on a fresh installation)

First you need to install the STM device driver from STMicroelectronics for Windows to recognise STM32 devices.

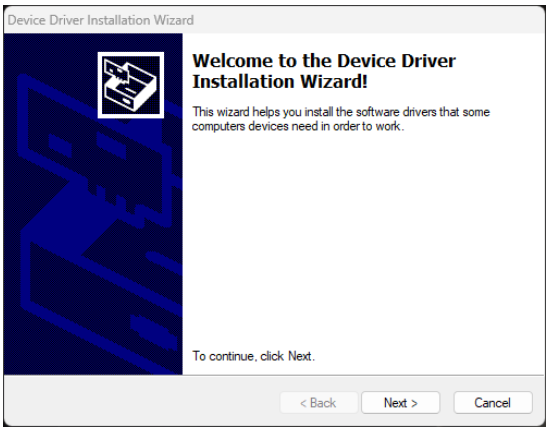
Navigate to the folder titled 'STM Driver Win10'

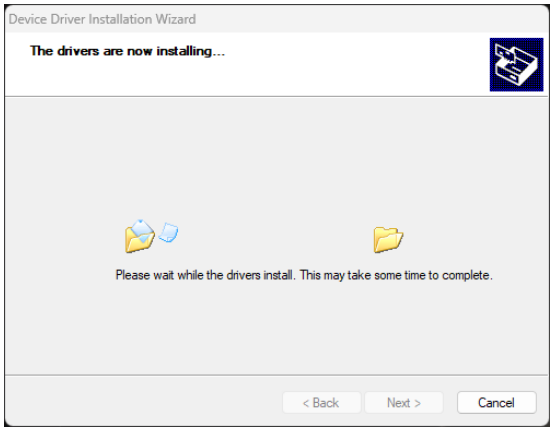
In this folder are two .exe driver installers.

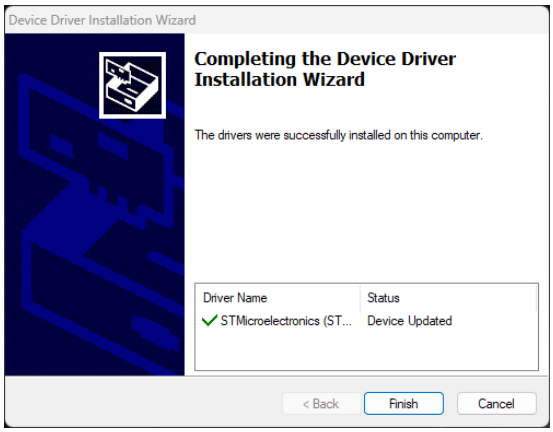


If your PC is 64 bit run dpinst_amd64.exe

If your PC is 32 bit run dpinst_x86.exe



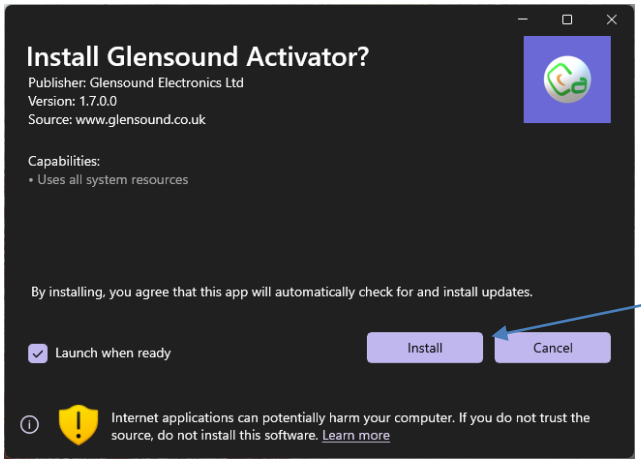




You PC should now be able to recognize STM devices.

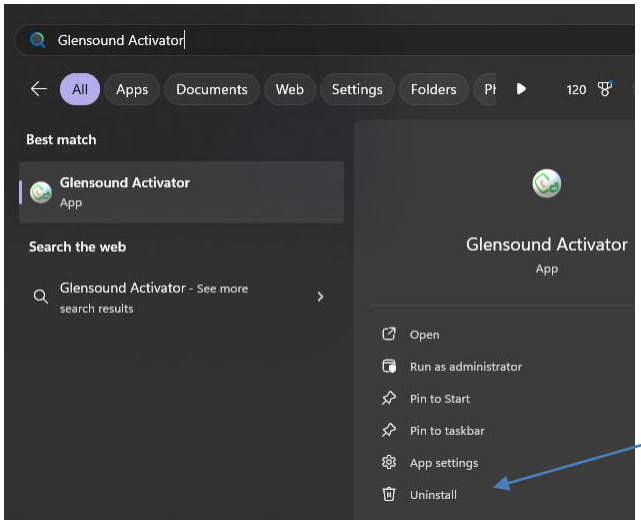
Install Glensound Activator

1. Run the “GlenActivator.appinstaller” file which was extracted from the downloaded folder



Click to install

Note: Internet access is needed at time of install



Glensound Activator is now installed.

You can uninstall at any time by simply right clicking on Activator in the Windows start menu and selecting ‘Uninstall’

Click to uninstall

Put the Glensound device in 'DFU' mode

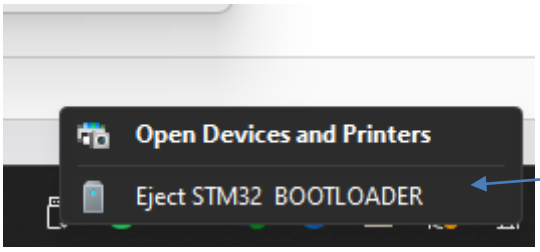
1. Plug the USB cable from your PC in to the Glensound Device
2. Power up the Glensound Device
3. On the device: Press and hold the blue 'Identify' button
4. Press the 'Reset' button once
5. Now release the the 'Identify' button
6. The device should now be in 'DFU mode' and ready for updating



(For devices without a 'Reset' button: disconnect power, push and hold 'Identify', and then plug in power.)

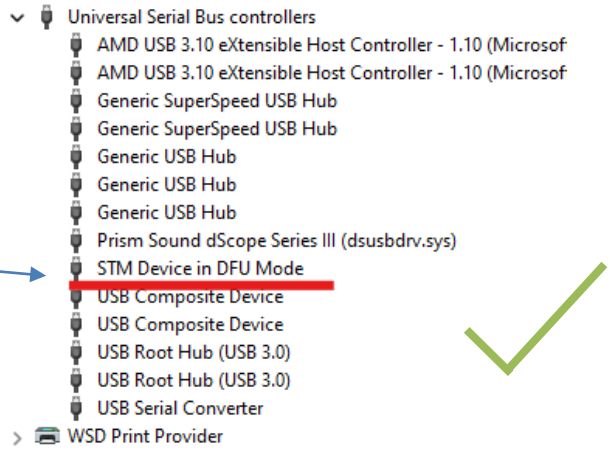
To verify if Windows has successfully detected the device look for this icon in the taskbar



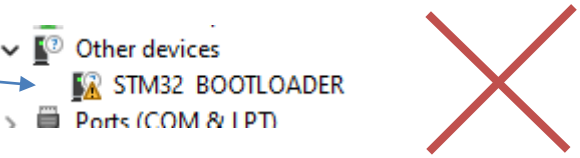


When selected it should show this

If you don't see the icon in the taskbar you can verify if the device has been detected by checking the Windows Device Manager for this device



If the device appears like this then the driver was not installed correctly and Glensound Activator won't be able to see it

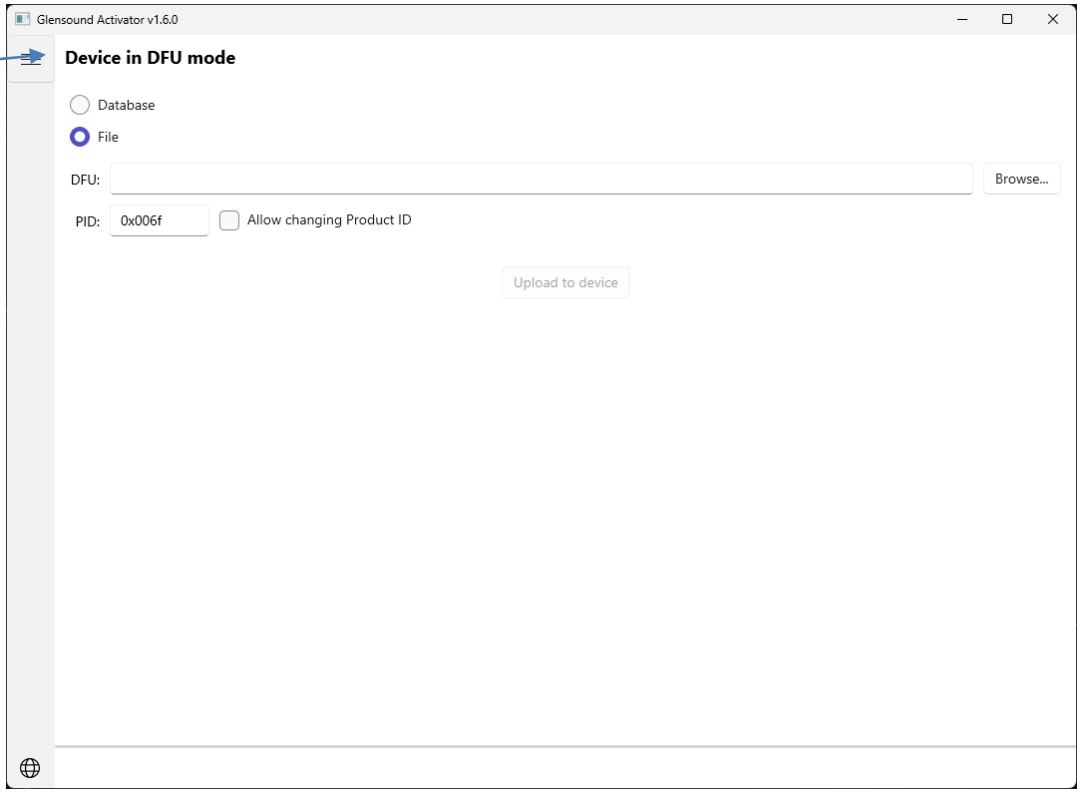


Update the firmware in Glensound Activator

Now open Glensound Activator

1.

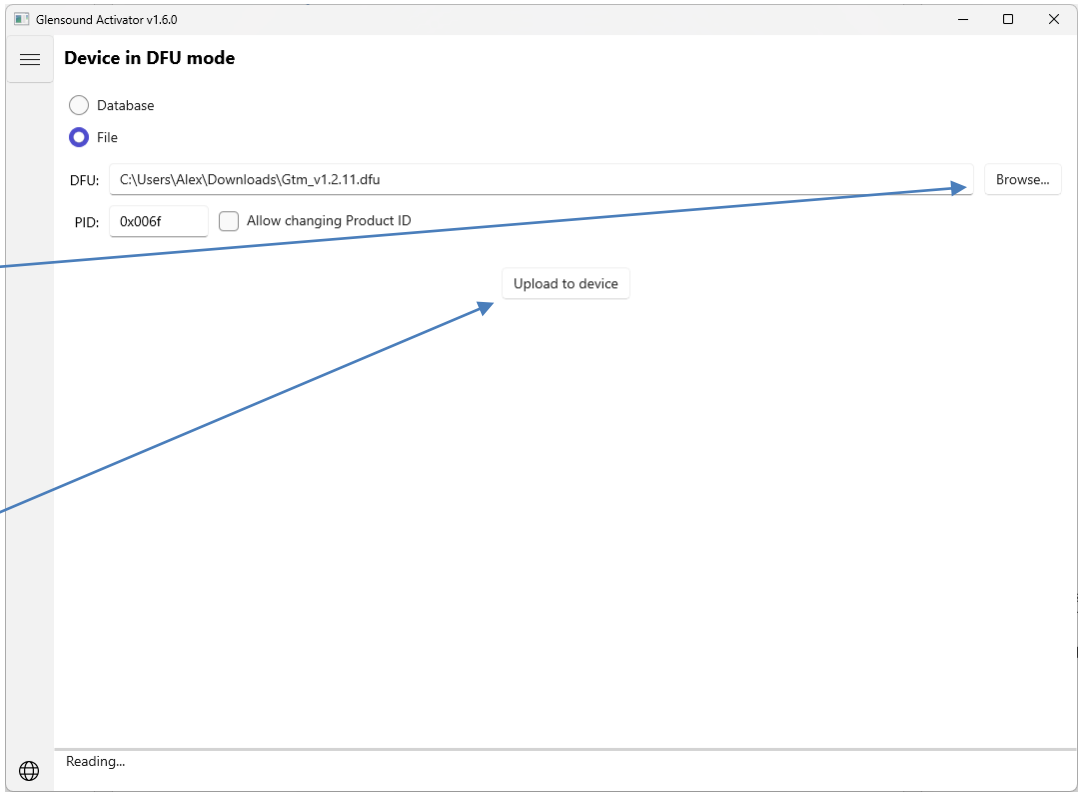
Device has been recognised



2.

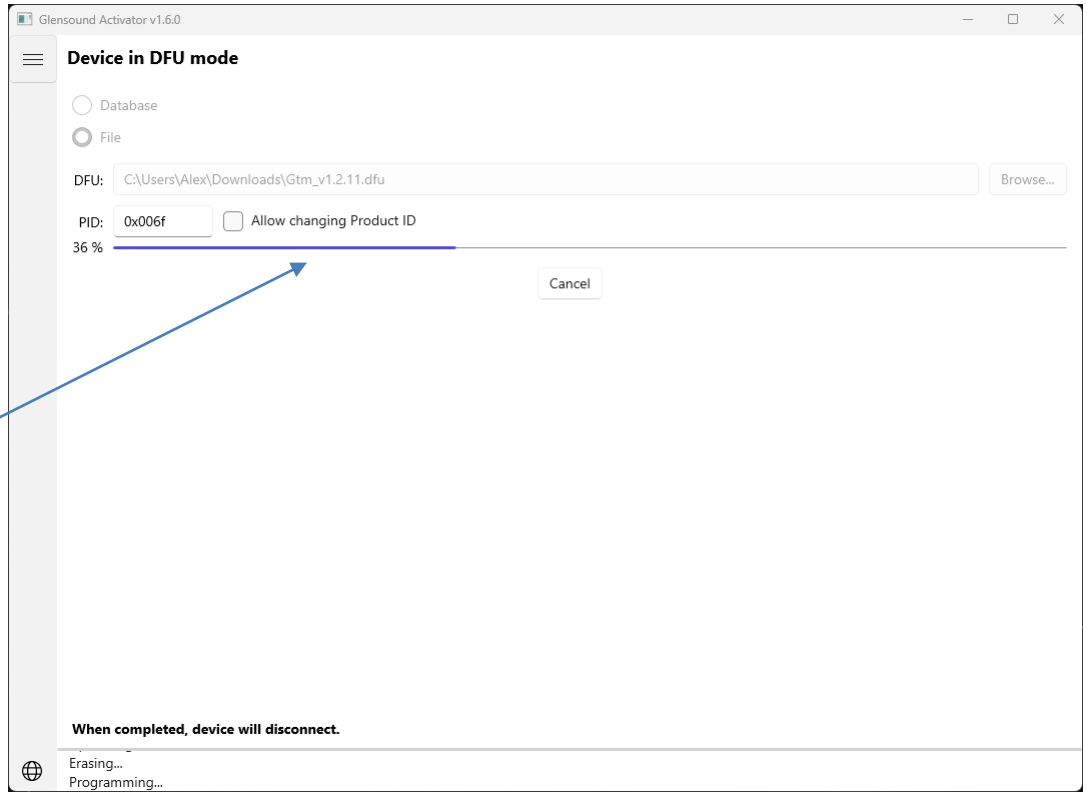
A. Choose Browse and select your .dfu file

B. Click to begin updating



Caution! Audio will be interrupted during the device update

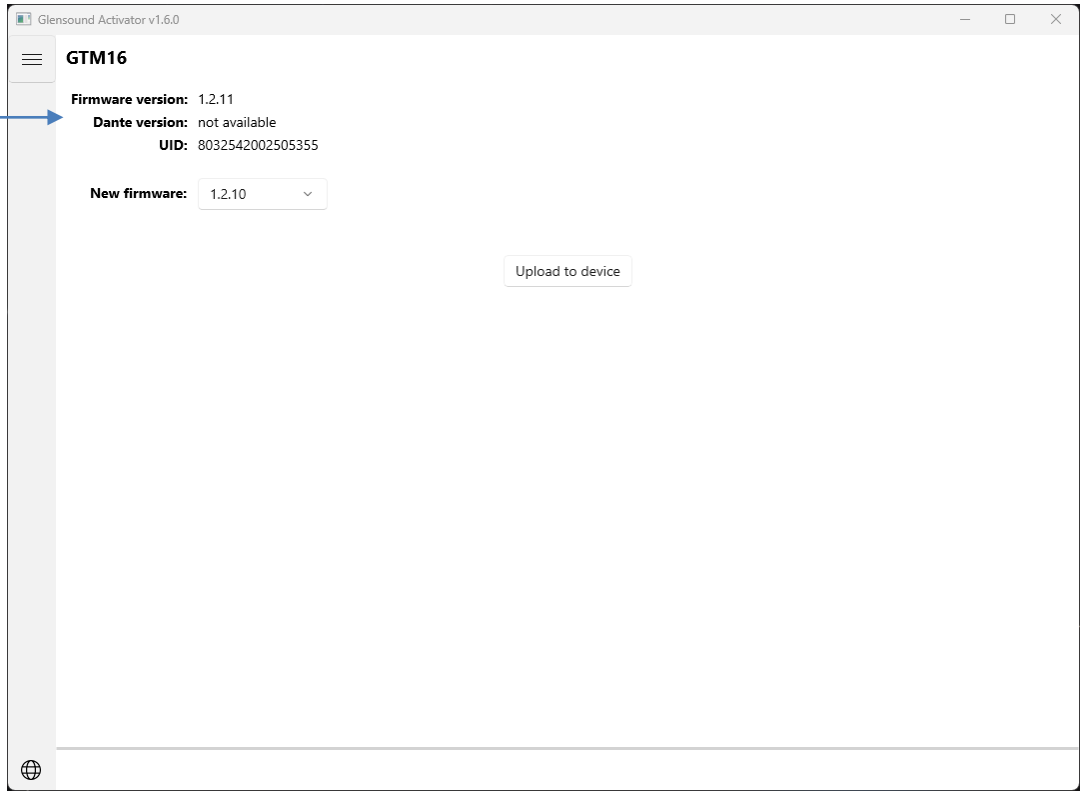
3.



Update progression bar

When the update is finished, the device will restart automatically

4.



Update complete. Device displays the firmware version that is running on the device.

Note that devices that don't support Glensound Controller features may not show here once the update is complete. This is normal behaviour, and the update was still completed.

The device can now be safely disconnected from USB and the firmware update process is complete