

## Windows 10 driver installation

### How to install XMOS / CH Precision USB Driver on Windows 10 64-bit

Windows 8, 8.1 and 10 64bit have a "driver signature enforcement policy" which prevents unsigned drivers from being installed.

As our XMOS USB audio class 2.0 driver has no such signature, driver signature enforcement needs to be temporarily disabled prior to driver installation.

#### Disable driver signature enforcement

To do so:

- Open the Windows 10 *Settings* page (left-click on the *Windows* icon on the lower-left corner, and then click on *Settings*)
- Select *Update & Security* (*Windows Update, recovery, backup*) with a left-click
- Click on *Recovery* in the left-hand side
- Click on *Restart now* in the *Advanced startup* menu

The Windows 10 PC will restart and display a new page

- Click on *Troubleshoot* (reset your PC or see advanced options)
- In the *Troubleshoot* window, click on *Advanced options*
- In the *Advanced options* window, click on *Startup Settings* (Change Windows startup behavior)
- In the *Startup Settings* window (Restart to change Windows options such as: Disable driver signature enforcement), click on *Restart*
- In the *Startup Settings* window (Press a number to choose from the options below), press 7 (Disable driver signature enforcement)

Once this is done, you can install the driver

#### Driver installation

- Download the *USB Audio Class 2.0 driver for Windows OS* from our website (Products \ C1 \ Downloads)
- Unzip it
- Run the setup.exe file in compatibility mode (right click, *Troubleshoot compatibility*, Try recommended settings - Windows 7 should be selected)
- If a "Test the program" button is available, click on it. Please note that the next window might be hidden and may need to be brought forward.
- Accept warning messages
- When the setup wizards open (Welcome to the CH\_USBAudio v1.22.0 Setup Wizard), click on *Next*
- Select a location and click *Install*
- If a warning message pops up, select *Install the driver software anyway* (may show up several times)
- Connect the USB cable to the C1 and to the PC when prompted to do so (Please connect the device you want to install and turn it on)
- Turn the C1 on
- Select USB audio input
- Click OK on the computer
- The setup wizard should finally display *Installation Complete, Setup was completed successfully*. Click *Next* in this window
- Finally click *Finish* in this last window

Once this is done, you can use the USB audio input in USB audio class 2 from your favorite player.

#### Usage

- Make sure your application (Foobar2000, JRiver,...) supports WASAPI (event) output mode.
- If it natively doesn't (like in foobar), install it ([https://www.foobar2000.org/components/view/foo\\_out\\_wasapi](https://www.foobar2000.org/components/view/foo_out_wasapi)).
- If DS output mode is used instead of WASAPI (event), Windows 10 won't let the player take exclusive control over the USB device, and sample rate conversion will be applied.
- Only WASAPI (event) and ASIO (no more supported in Windows 10!) allow bitperfect SRC-free playback.