

# Quickstart Guide

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## 1 Install Driver

The quickest way to test and evaluate our HAPTICORE technology is to install the provided *HAPTICORE Xperience* software on your PC and connect the Eval-Kit via USB.

First, you need to install the according driver for the control unit, if not already installed on your system.

### 1.1 Overview

The according Virtual COM port driver is necessary for the Control Units to function accordingly. Please ensure, that you install the correct driver for your control unit.

Picture	Name
	HAPTICORE Control Unit
	HAPTICORE Control Unit Pro

#### 1.1.1 HAPTICORE Control Unit

Download the FTDI VCP driver from the website (<https://ftdichip.com/drivers/vcp-drivers/>). Use the link button *setup executable* as shown below.

Operating System	Release Date	Processor Architecture							Comments
		X86 (32-bit)	X64 (64-bit)	PPC	ARM	MIPSII	MIPSIV	SH4	
Windows (Desktop)*	2021-07-15	<a href="#">2.12.36.4</a>	<a href="#">2.12.36.4</a>	–	<a href="#">2.12.36.4A****</a>	–	–	–	WHQL Certified. Includes VCP and D2XX. Available as a <a href="#">setup executable</a> . Please read the <a href="#">Release Notes</a> and <a href="#">Installation Guides</a> .
Windows (Universal)***	2021-11-12	<a href="#">2.12.36.4U</a>	<a href="#">2.12.36.4U</a>	–	–	–	–	–	WHQL Certified. Includes VCP and D2XX.
Linux	–	–	–	–	–	–	–	–	All FTDI devices now supported in Ubuntu 11.10, kernel 3.0.0-19. Refer to <a href="#">TN-101</a> if you need a custom VCP VID/PID in Linux. VCP drivers are integrated into the kernel.
Mac OS X 10.3 to 10.8	2012-08-10	<a href="#">2.2.18</a>	<a href="#">2.2.18</a>	<a href="#">2.2.18</a>	–	–	–	–	Refer to <a href="#">TN-105</a> if you need a custom VCP VID/PID in MAC OS
Mac OS X 10.9 to 10.13	2019-12-24	–	<a href="#">2.4.2</a>	–	–	–	–	–	This driver is signed by Apple
Mac OS X 10.14	2019-12-24	–	<a href="#">2.4.4</a>	–	–	–	–	–	This driver is signed by Apple
Mac OS X10.15 and macOS 11/12	2022-06-13	–	<a href="#">1.5.0 (zip)</a> <a href="#">1.5.0 (dmg)</a>	–	–	–	–	–	This is a Beta driver release and the installer should be run from the <a href="#">Applications</a> folder on your machine.

Unzip the downloaded .zip file and start the setup executable. Follow the installation guide to install the driver.

### 1.1.2 HAPTICORE Control Unit Pro

Download the Silicon Labs VCP driver from the website (<https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers?tab=downloads>). Unzip the downloaded .zip file, right click on the file "silabser.inf" and select install.

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## Download and Install VCP Drivers

Downloads for Windows, Macintosh, Linux and Android below.

\*Note: The Linux 3.x.x and 4.x.x version of the driver is maintained in the current Linux 3.x.x and 4.x.x tree at [www.kernel.org](http://www.kernel.org).

### Legacy OS Software Versions

Driver Package download links and support information

## Software Downloads

Software (10)

Software - 10

CP210x Universal Windows Driver	v11.1.0 3/22/2022
CP210x VCP Mac OSX Driver	v6.0.2 10/26/2021
CP210x Windows Drivers	v6.7.6 9/3/2020
CP210x Windows Drivers with Serial Enumerator	v6.7.6 9/3/2020
CP210x_5x_AppNote_Archive	9/3/2020

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### Serial Enumeration Driver

What is the serial enumeration driver and why would I need it?

## 2 Run the HAPTICORE Xperience Application

### 2.1 Open Application

Download the *HAPTICORE Xperience* software bundle from the XeelTech website (<https://www.xeeltech.com/hapticore/support/download-center/>). Accept the SLA to continue to the actual download overview.

#### HAPTICORE SOFTWARE SOLUTIONS



By clicking "Accept & proceed to download" button, I hereby agree to the terms and conditions stated in the [Software Licence Agreement – Eval Kits](#) for the download, use, and execution of software provided by XeelTech.

Accept & proceed to download

Then, download the latest available software bundle:

#### HAPTICORE SOFTWARE

##### LATEST:

HAPTICORE Software Bundle [redacted].zip

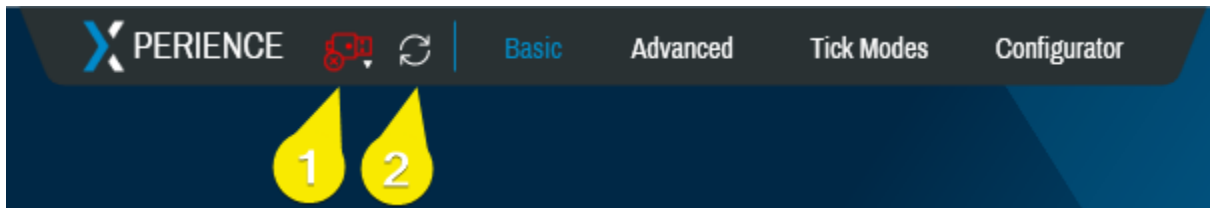
##### Archive:

HAPTICORE Software Bundle [redacted].zip

Extract the .zip file and navigate to the HAPTICORE Xperience application folder (Software / HAPTICORE Xperience x.x.x). Start the "HAPTICORE Xperience" application.

### 2.2 HAPTICORE Xperience - First steps

To connect your technology demonstrator/eval kit, simply connect the USB cable with your device and if necessary the power supply to the HAPTICORE Control Unit. If you connected your setup before starting the application, the connection should be established automatically. The connection state is shown in the upper bar (1). If you connected it afterwards, please the the "Refresh" button (2) to scan for devices.



The connection has been established successfully, when the red disconnected symbol in the upper left corner changes to a green connected symbol.



Now it is possible to apply the different haptic modes (presets) to the eval kit by selecting a mode. Navigate between the different pages “Basic”, “Advanced”, “Tick modes” or “Configurator” by selecting the according tabs.

The modes are enabled or disabled by either selecting it again or clicking a different mode icon.

In the configurator menu, different modes such as ticks, barrier, and constant force can be combined and further customized.

### 3 Further Questions

If you have any further questions or something doesn't work as expected please contact us. We are happy to help.