



EVAL KIT
HAPTICORE Four

V3, 29.04.2026

EVAL KIT HAPTICORE Four

The smart rotary haptic actuator with programmable haptic feedback

Discover the next generation in UI controls with XeelTech's all-new HAPTICORE products.

With our patented HAPTICORE technology, we set new standards for HMI design & operation and bring together the best of both the digital and mechanical worlds. Our HAPTICORE haptic feedback knobs generate mechanical haptic force feedback to ensure a simple, safe and intuitive operation of your human-machine interfaces (HMI).

Using our software solutions, it is possible to switch between various haptic feedback patterns in real-time. And thanks to different sizes and performance characteristics, our haptic input devices can be used in a wide range of applications. software: intuitive, accurate, fast, and personalized!



HAPTICORE Four

Introducing HAPTICORE Four – our medium-sized dial designed to offer enhanced performance in a compact and efficient form. Engineered to achieve the ultimate performance-to-size ratio, HAPTICORE Four provides precise, reliable controls in a variety of demanding applications. Whether it's integrating into household appliances for seamless user interaction, enhancing the precision of professional appliances, providing robust control in off-highway vehicles, or optimizing industrial machinery, HAPTICORE Four stands out for its versatility and dependability.

For an easy start, you can use the **HAPTICORE Xperience** application, our plug-and-play test software with a preselection of haptic feedback patterns. Once you gain your first experience, you can remove the HAPTICORE from its stand, mount it in your prototype, and use the **Customer Test App**, to create tailored haptic feedback patterns for every interaction with your HMI.

Explore unlimited haptic patterns – it is only a matter of software

Join the haptic revolution with the HAPTICORE Xperience demonstration software. Test a variety of predefined haptic patterns and get a first impression of the capabilities of our rotary haptic actuator using the configurator and the integrated haptic design tool.

Key features:



Plug & Play

Get a quick overview of the capabilities of our smart rotary haptic actuators.



Demonstration setup

Present the main features of freely programmable haptics to your colleagues and customers.



Customize function

Create your own examples of haptic patterns using the customize function with easy-to-use sliders.



Design function

Test the basic functions of the Haptics Generator software by dragging and dropping the haptic curve to change the tactile feedback.

For more details please see: <https://www.xeeltech.com/hapticore-software/>

Scope of delivery

Hardware

HAPTICORE Four

Socket (HAPTICORE pre-mounted but removable)

Mounted cover (removable)

Flex cable

include HAPTICORE Control Unit USB (plug & play ready for operate Eval Kits)



Software

HAPTICORE Xperience (Quick Start Demo Software)

HAPTICORE Customer Test App (for advanced testing and prototyping)

Documentations

Quickstart Guide

HAPTICORE Haptic Functions Documentation

HAPTICORE Firmware Update Guide

HAPTICORE .NET Library Documentation

HAPTICORE Serial Communication Protocol Documentation

Libraries

HAPTICORE .NET Library

Find the complete software package at www.xeeltech.com/downloads

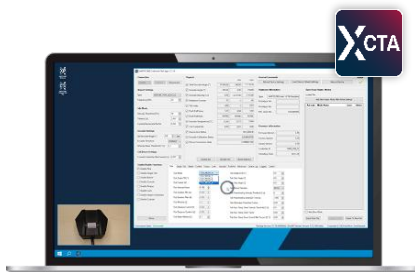
HAPTICORE Software Solutions

The HAPTICORE Eval Kit includes the use of our HAPTICORE software solutions. The software includes the HAPTICORE Xperience, the Customer Test App as well as the Haptics Generator, which help you experience our technology and design your own haptic feedback patterns.

Of course, we will provide you with everything you need to know to build your own haptic modes from documentation and video tutorials to personal assistance via our team of integration engineers.

X HAPTICORE XPERIENCE

- › Plug & Play application for all HAPTICORE encoders
- › Discover the freely programmable haptic feedback
- › Present HAPTICORE to your colleagues & customers



X HAPTICORE XCUSTOMER TEST APP

- › Modify all parameters within a single application
- › Live access to all sensor data and data log
- › Import, save and export your haptic feedback modes

X HAPTICORE X HAPTICS GENERATOR

- › Graphical visualization for easy modeling
- › Customize and fine-tune individual haptic sensations
- › Adjust the forward and backward rotation behavior



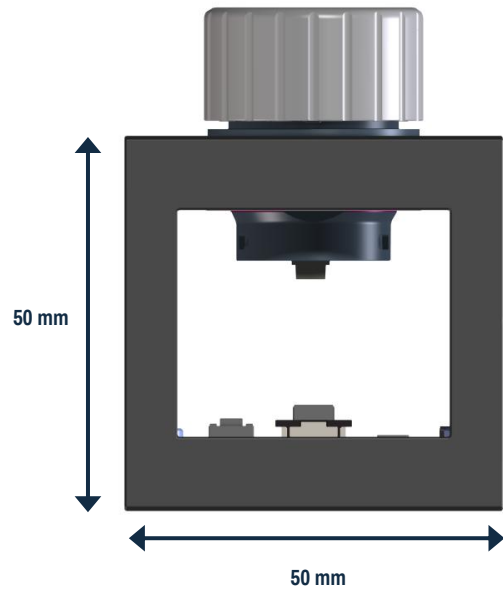
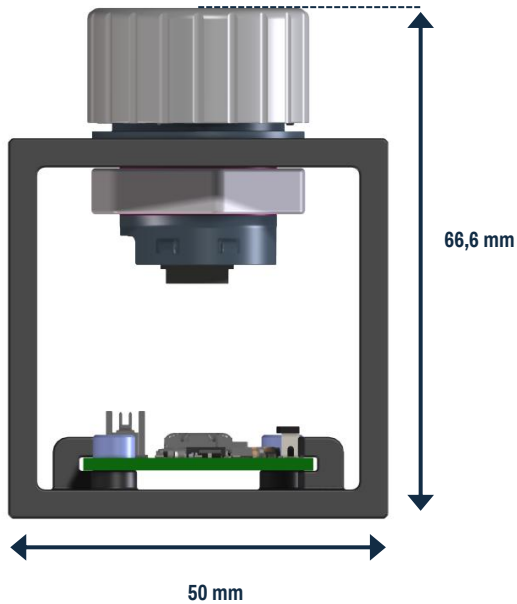
Documentation & tutorials

With the software bundle, you get access to extensive documentation that will help you become an expert haptic designer in no time. In addition, a series of video tutorials are included to help you quickly master your HAPTICORE Eval Kit.

Visit www.xeeltech.com/support to learn more.

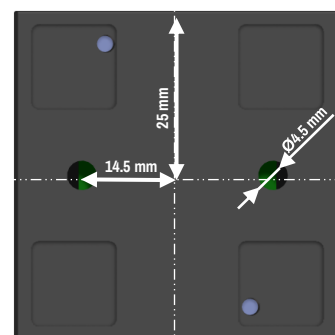
Dimensions

Eval Kit HAPTICORE Four – standard version



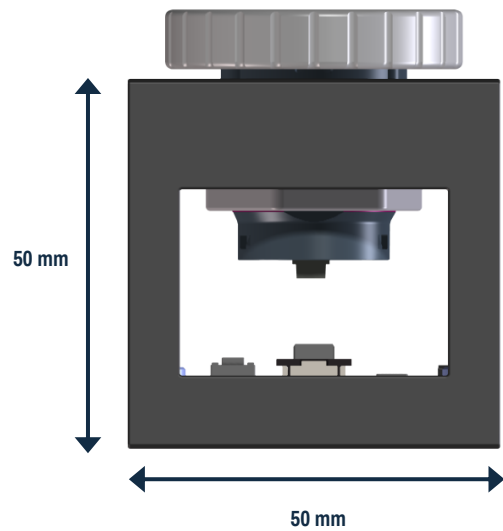
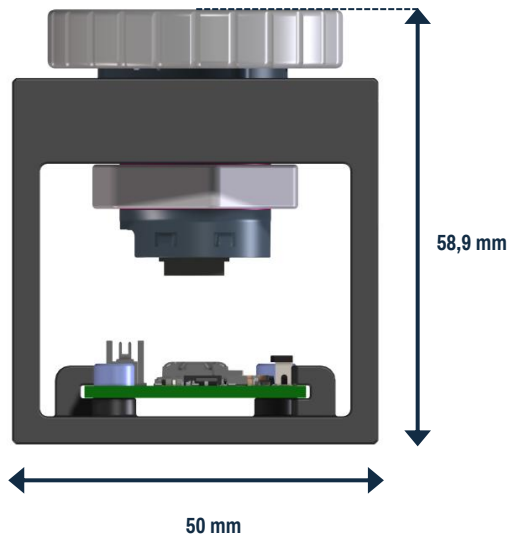
Cover diameter: 29 mm

Fixing holes on the underside of the stand:



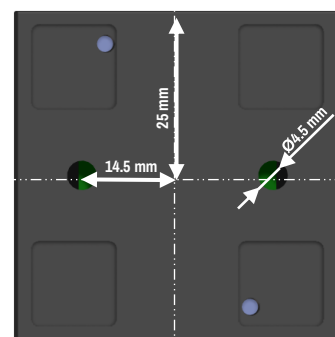
Dimensions

Eval Kit HAPTICORE Four – fully recessed version



Cover diameter: 40 mm

Fixing holes on the underside of the stand:

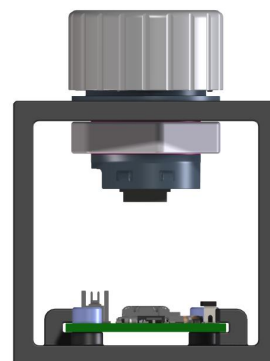


Disassembling the Eval Kit HAPTICORE Four

Removing the HAPTICORE Four from its stand

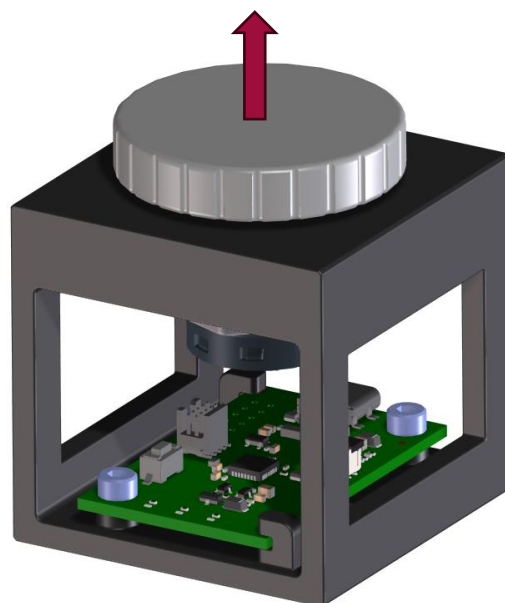
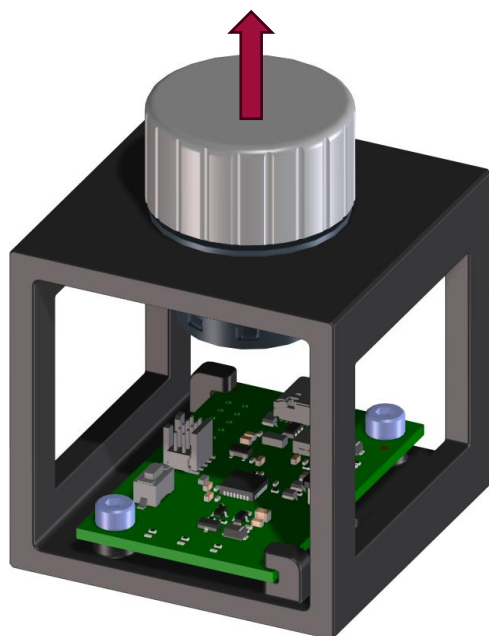
The Eval Kit HAPTICORE Four comes in a pre-assembled test kit consisting of the actuator, cover, stand and HAPTICORE Control Unit USB. The HAPTICORE Four can easily be removed from its stand by unscrewing the plastic nut holding the HAPTICORE Four in place.

Please only tighten the plastic nut by hand. Tools can easily damage the plastic nut.



Removing the cover of the HAPTICORE Four

The cover of the Eval Kit HAPTICORE Four is removable and can be replaced with the cover you are looking to use for your product. To remove the cover, pull it down in the direction shown. It is snapped onto the HAPTICORE Four.



Product data & system configuration

HAPTICORE Four

This Eval Kit is equipped with the HAPTICORE Four. To learn more about our smallest HAPTICORE rotary encoder and its technical specifications and performance data visit the HAPTICORE Four product page.

[Learn more](#)

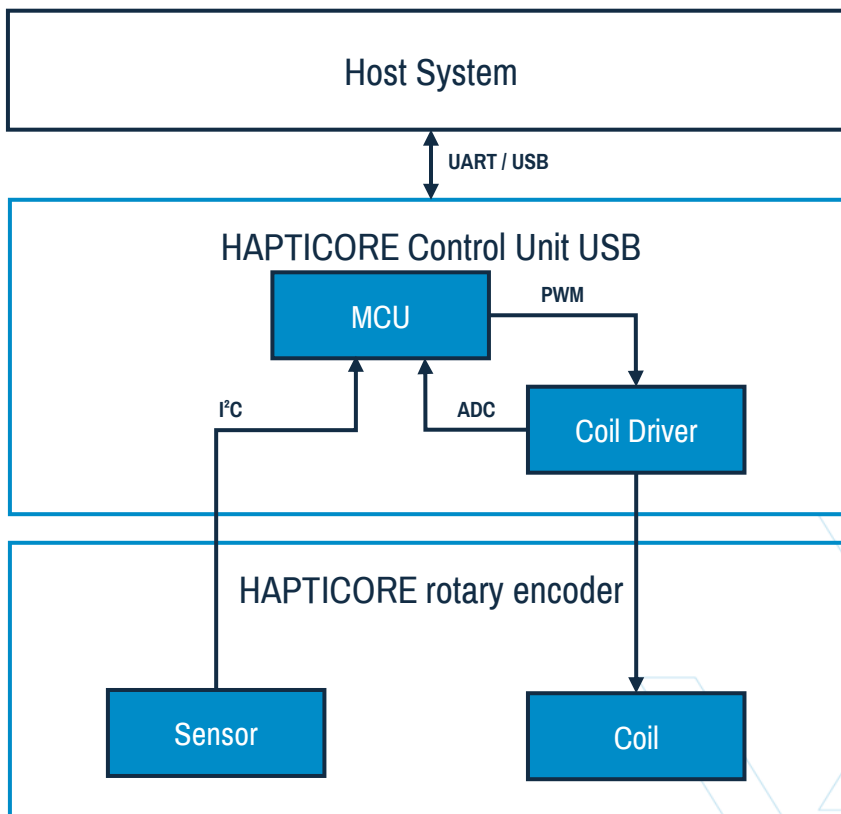


System configuration

HAPTICORE Eval Kits are your entry to our world of programmable haptic feedback and to help you build your first prototype. To make this process as easy as possible the Eval Kits are designed to work with the HAPTICORE Control Unit to let you connect your Eval Kit to your computer as well as integrate them into your prototype.

The diagram below shows the system configuration and communication setup for your Eval Kit.

Please note that the HAPTICORE Control Unit USB will not be required for the integration into your serial product.



Contact XeelTech



If you need assistance, please don't hesitate to get in touch with us.



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Or visit our support section at www.xeeltech.com/support where you can find all of our HAPTICORE Software Solutions, helpful FAQs, and video tutorials.