

## Overview

The USB HID mouse application is a simple demonstration program that uses the KSDK software. It is enumerated as a mouse. Users can see the mouse arrow moving on the PC screen according in a rectangular fashion.

## System Requirements

### Hardware requirements

- J-Link ARM
- P&E Micro Multi-link universal
- Mini/micro USB cable
- USB A to micro AB cable
- Hardware (tower/base board, ...) for a specific device
- Personal Computer(PC)

### Software requirements

- The project files for lite version examples are in:  
<SDK\_Install>/boards/<board>/usb\_examples/usb\_device\_hid\_mouse\_lite/<RTOS>/<toolchain>.  
For non-lite version example, the path is:  
<SDK\_Install>/boards/<board>/usb\_examples/usb\_device\_hid\_mouse/<RTOS>/<toolchain>.

Note

The RTOSes are bare metal, FreeRTOS OS,  $\mu$ COSII OS, and  $\mu$ COSIII OS.

## Getting Started

### Hardware Settings

- The Jumper settings:  
J25 1-2 3-5, Remove all jumpers from J22.

### Prepare the example

1. Download the program to the target board.
2. Connect the target board to the external power source (the example is self-powered).
3. Power off the target board. Then power on again.
4. Connect a USB cable between the PC and the USB device port of the board.

Note

For detailed instructions, see the appropriate board User's Guide.

## Run the example

1. Plug-in the device, which is running HID mouse example, into the PC. A HID-compliant mouse is enumerated in the Device Manager.
2. The mouse arrow is moving on PC screen in the rectangular rotation.