

Scope

This document describes how to use Health Link software to test PHDC device.

Preparation

Host

Personal computer running Windows Xp or Windows 7.

Device

A board, i.e. twrk70f120m, which is running dev_phdc_weighscale example.

Libraries dependency

The libraries dependency for various RTOS lists as following,

BM

Library project path:

- `<install_dir>/usb/usb_core/device/build/<tool_chain>/usbd_sdk_<board>_bm`
- `<install_dir>/lib/ksdk_platform_lib/<tool_chain>/<platform>`

FreeRTOS

Library project path:

- `<install_dir>/usb/usb_core/device/build/<tool_chain>/usbd_sdk_<board>_freertos`
- `<install_dir>/lib/ksdk_freertos_lib/<tool_chain>/<platform>`

MQX

Library project path:

- `<install_dir>/rtos/mqx/mqx/build/<tool_chain>/mqx_<board>`
- `<install_dir>/rtos/mqx/mqx_stdlib/build/<tool_chain>/mqx_stdlib_<board>`
- `<install_dir>/usb/usb_core/device/build/<tool_chain>/usbd_sdk_<board>_mqx`
- `<install_dir>/lib/ksdk_mqx_lib/<tool_chain>/<platform>`

uCOSii

Library project path:

- `<install_dir>/usb/usb_core/device/build/<tool_chain>/usbd_sdk_<board>_ucosii`

- `<install_dir>/lib/ksdk_ucosii_lib/<tool_chain>/<platform>`

uCOSiii

Library project path:

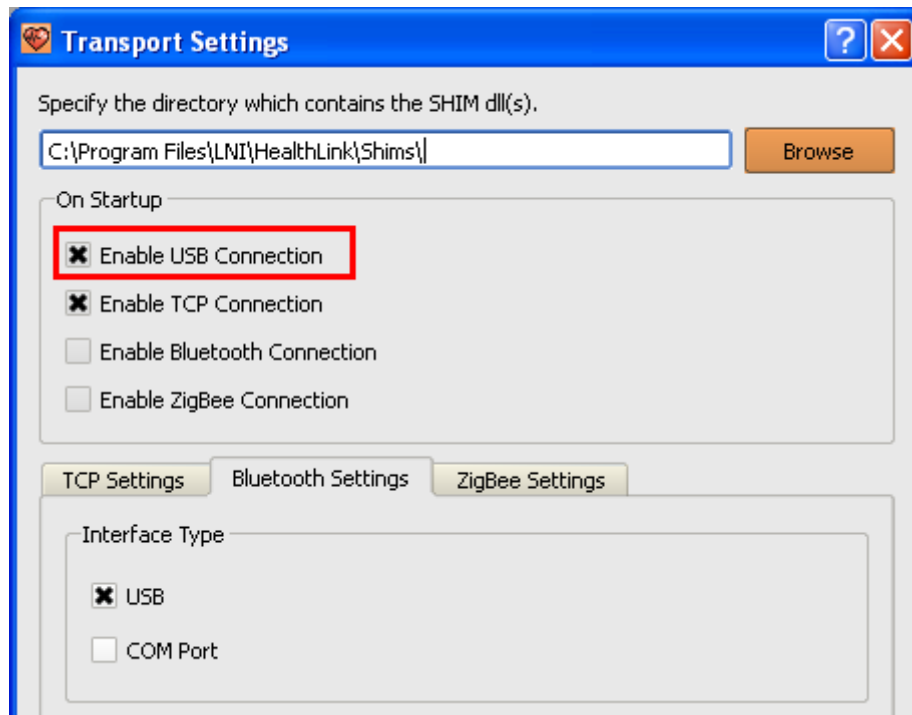
- `<install_dir>/usb/usb_core/device/build/<tool_chain>/usbd_sdk_<board>_ucosiii`
- `<install_dir>/lib/ksdk_ucosiii_lib/<tool_chain>/<platform>`

Refer to **Integration of the USB Stack and Kinetis SDK_review.pdf**(`<install_dir>/doc`) on how to build the corresponding libraries.

Steps

Follow the steps to install and use Health Link software.

1. Download Health Link software at <http://www.lnihealth.com>
Contact with support@lnihealth.com to get license.
2. Install Health Link software and USB device driver.
3. At the first time run Health Link, you should create new account to store data.
In **Edit** Menu, choose **Advance -> Transport Settings** and make sure that **Enable USB Connection** check box is checked



4. Plug-in PHDC device into PC, you can see state of device and data received

