

UM_NHS31xx_TherapyAdherenceApp

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User manual

Document information

Info	Content
Keywords	NHS31xx, Therapy Adherence
Abstract	Information is given on how to use the NHS31xx Therapy Adherence Demo PCB.
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1. Introduction

Information is given on how to use the NHS31xx Therapy Adherence Demo PCB.

2. Prerequisites

2.1 Battery

The demo PCB has a coin cell battery of type CR1225 already inserted.

When replacing the battery, ensure the negative electrode of the battery is at the bottom, closest to the PCB.

2.2 Smartphone or NFC dongle

Either an Android phone must be used, or an NFC dongle connected to your Windows or macOS PC, running the *NTAG SmartSensor Automator*.

2.2.1 Android

Use an NFC enabled Android smartphone running 4.2 Jelly Bean or higher.

Install the Android app *NXP Therapy Config*. This app can be found on the Google Play Store. Use the QR code aside or the link below:

<https://play.google.com/store/apps/details?id=com.nxp.nhs.demo.startstoptherapy>



2.3 Windows or macOS

The tool *NTAG SmartSensor Automator* can be found inside the SDK under `<SDK>/sw/crossplatform/comm`. Run the installer for your platform.

3. Usage

3.1 Start

3.1.1 Android

Launch the *NXP Therapy Config* app, tap the demo PCB, and click the *Start Therapy* button.

3.1.2 Windows or macOS

In any order, start the *NTAG SmartSensor Automator* application and insert the dongle in a free USB port.

Select the script *tadherence.nhs31xx.comm.script* and click the *Run all commands* button.

3.2 Status

3.2.1 Android

At any moment, you can tap the demo PCB using any NFC enabled smartphone while no app is active. The Android OS will automatically pop up a text message displaying the current status generated by the demo PCB.

3.2.2 iOS

Use any generic NFC reader APP – such as NXP's Tag Info – to read out the text message the firmware generates on every tap.

3.2.3 Windows or macOS

Use the tool *NTAG SmartSensor Automator*. You may have to explicitly click the *Read NFC tag* button.

3.3 Stop

3.3.1 PCB

Pressing the `nRES` tactile switch on the demo PCB: the current state will be kept in memory for readout, but monitoring has stopped.

3.3.2 Android

Click the *Stop Therapy* button in the *NXP Therapy Config* app: the demo PCB will be put in a pristine state, i.e. the current state will also be deleted.

3.3.3 Windows or macOS

After selecting the script *tadherence.nhs31xx.comm.script* in the tool *NTAG SmartSensor Automator*, click the generated button *Stop and clear all data*: the demo PCB will be put in a pristine state, i.e. the current state will also be deleted.

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