NIMMSTA SMART WATCH HS 50 Manual

The manual describes the commissioning and features as well as the possible hazards of the NIMMSTA SMART WATCH HS 50 device. We reserve the right to make changes to the contents of this document at any time. This description is not an assurance of certain features or options. The products are continuously being improved, modified or adapted to customer specifications.

Contact

NIMMSTA GmbH | Moosacher Str. 73 | D-80809 München E-Mail: sales@nimmsta.com | Internet: nimmsta.com

Introduction

This manual is intended to support the commissioning as well as the use of the Smart Watch HS 50 and to point out dangers.

NIMMSTA GmbH wants to provide the customer with all necessary information. More extensive information about software or hardware can be requested if necessary.

Every device is checked and quality tested at NIMMSTA. However, all deliveries are exposed to the risk of transport damage. If damage to the packaging is detected during the incoming inspection, inform both the carrier and the shipper immediately. In this way, any liability on your part for transport damage can be excluded.

Danger to health and life may occur during commissioning. It is therefore essential that you observe the warnings.

Symbol description

DANGER!
Immediate danger of death or serious injury.

WARNING / CAUTION!
Risk of injury may be imminent. Slight risk of injury may be possible.

Information to help you handle the product.

Safety instructions

Read this chapter completely and carefully before installation and start-up and follow the safety instructions described in it. The manufacturer/supplier accepts no liability for any damage that occurs as a result of ignoring these instructions.

NIMMSTA devices have been developed, tested and manufactured in accordance with the state of the art and recognized safety regulations. Nevertheless, hazards to persons or third parties or damage to the devices or other material objects may occur during commissioning or use.

Improper installation or use of the device can endanger the user. If the safety instructions are not observed, damage to the device or equipment may occur. The in-house safety regulations (occupational health and safety, accident prevention) must be observed when installing and operating the equipment.

General notes

The product may not be opened by the operator/user. Contact customer service for repairs/system extensions. No modifications may be made by the operator/user. If this does happen, any warranty will be void. If the touchscreen is damaged (e.g. glass breakage), avoid contact of skin and mucous membranes (eye, mouth) with any escaping liquid. Clean already wetted body parts and clothing with plenty of water and soap.

Qualified personnel

The equipment may only be started up by qualified personnel. Therefore, this manual is only intended for trained personnel.

Intended use

This device is designed and intended for commercial use only. It is not intended for use by children or individuals who may lack the necessary knowledge or experience. Please carefully review the user manual and follow all safety guidelines provided. Keep out of reach of children and ensure that only qualified personnel operate and maintain the device.

Its designed and functionality compliant with the essential requirements of the Radio Equipment Directive 2014/53/EU, ensuring electromagnetic compatibility and efficient use of the radio spectrum.

 The devices are not designed for use in life-support systems, in safety-critical facilities or in EX-protected areas where the direct or indirect endangerment of human life cannot be ruled out due to malfunction of the system. This also includes locations where flammable gases or vapors are present. The use of these devices in the mentioned areas is excluded.

Electrical connection hazards

AC power supply of the inductive charging station:
The charging stations can be connected without danger to both an earthed protective contact socket and a Europlug socket without a protective conductor.

Mains connection cable:

Do not use damaged cables. Damaged cables pose a risk of electric shock or fire. Observe the country-specific regulations when laying the cables. Make sure that the supply cable is not damaged by mechanical influences. Only use the original power supply cables from NIMMSTA GmbH. If other cables are used, the operator is liable for any resulting damage. Furthermore, any warranty becomes void.

Inductive charging stations

Safety instructions must be observed for the charging stations:

- The station may only be operated in an enclosed, dry environment
- People with pacemakers should consult their doctor before using the charging station
- To avoid fire hazard and risk of electric shock, protect the unit from moisture
- Any cleaning or maintenance may only be carried out with a dry cloth and the power unplugged
- Do not open the device
- Do not place anything between the wireless charging mat and the device to be charged. This can cause heating, fire and burns
- Place the charging mat on a horizontal, level surface

Internal battery

Only the battery installed in the device by NIMMSTA may be used. The battery may only be replaced by NIMMSTA. Charging of the battery is only allowed with the NIMMSTA designed charging stations "Multiple Wireless Charging Station" (serial number 10.000014-10.999998) or "Single Wireless Charging Station" (serial number 01.000016-01.999990). Do not incinerate, disassemble, short circuit, or expose the battery to temperatures higher than 140°F (60°C). This can lead to fire and explosion hazards.

Radio frequencies

	Bluetooth	**NFC**	**Wireless Charging**
Frequency	Frequency band 2,4 GHz (2.402 - 2.480 GHz)	13,56 MHz	110 kHz - 205 kHz
Power transmitted	Maximum RF power transmitted +8 dBm	Working as a tag, power is dependent on reader	<-15 dBµA/m @ 10 m

Transmitting power:

The maximum permitted transmitting power specified for the respective country must not be exceeded. The operator of the product must ensure this.

Aircraft and hospitals:

The product may not be operated in aircraft or hospitals without permission. Medical implants / pacemakers: The product may have an effect on the function of medical implanted devices and cause interference. A distance of at least 20 cm must be maintained.

CE marking

This device is developed and manufactured according to the VDE and CE directives.

Laser warning

- Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.
- EN 60825-1:2014
- IEC 60825-1 (Ed. 3.0)

Use of controls, adjustments or performance of procedures other than those specified in this document may result in hazardous laser light exposure.

Class 2 laser scanners use a low-power diode and visible light. As with any very bright light source, such as the sun, the user should avoid looking directly into the beam. Short-term exposure to a class 2 laser is not known to be harmful.

LASER LIGHT
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
LASERSTRAHLUNG
NICHT IN DEN STRAHL BLICKEN
LASER KLASSE 2
LUMIÈRE LASER
NE PAS REGARDER DANS LE FAISCEAU
APPAREIL À LASER DE CLASSE 2
630 – 670 nm, 1 mW

IEC 60825-1:2014
EN 60825-1:2014/A11:2021
CSA E60825-1:2015

The product may emit hazardous optical radiation.
Prolonged, direct viewing of the operating light can be harmful to the eyes.

Only use the device as specified in the operating instructions.

Do not look directly into the laser of the device.

Device and component description

Components of the Smart Watch HS 50

Smart Watch HS 50   **NIMMSTA APP**

The Smart Watch HS 50 only works with the NIMMSTA App.
For this, the NIMMSTA app must be installed on the target device.
The app is available in the B2B portal.

+

TRIGGER PAD for left- or right-handed use or CLIP PAD
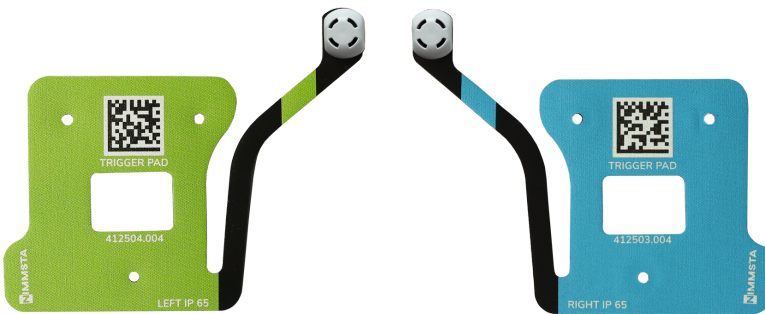
There is a button in the TRIGGER or CLIP PAD. Pressing it briefly triggers a scan event, pressing it for a longer time switches the Smart Watch HS 50 on or off.

+

Cuffs S/M/L/XL for left- or right-handed use, without electronics or cables

The Smart Watch HS 50 is fixed to the cuff by the Velcro strap on the TRIGGER or CLIP PAD. This enables easy removal of the scanner to wash or replace the cuff.

Smart Watch HS 50 and TRIGGER PAD

touch screen

scanner glass

LED side

TRIGGER PAD

trigger button
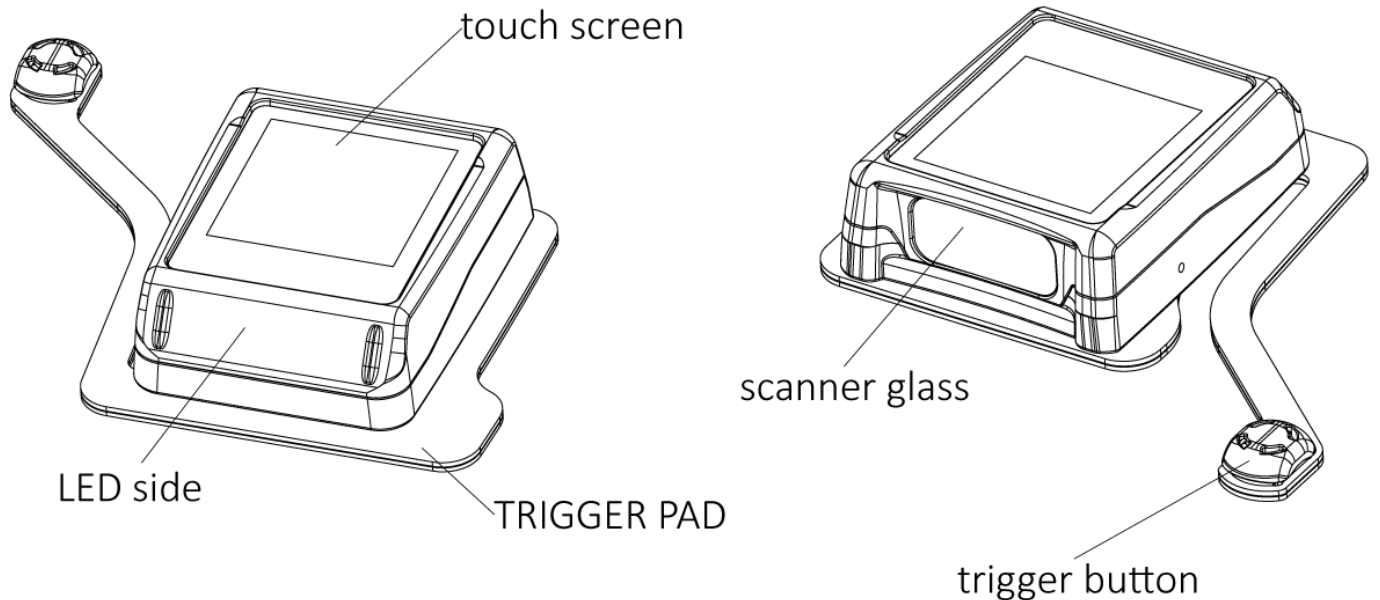
screw connection TRIGGER PAD

flat washer   product identification
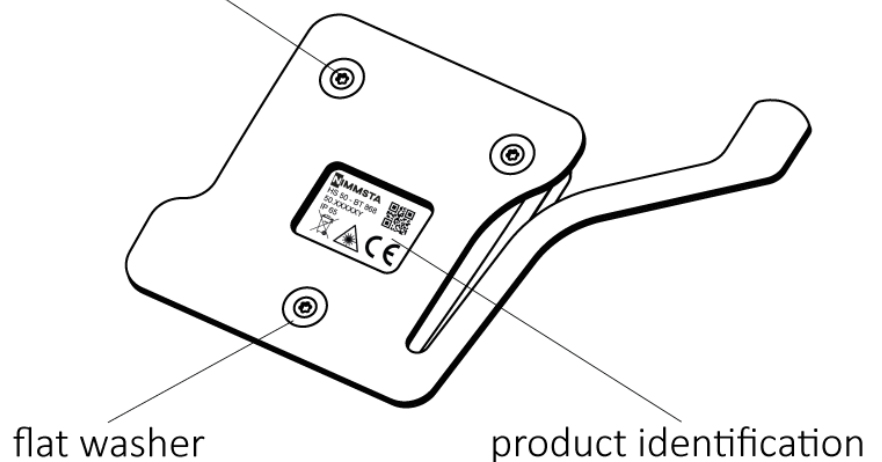
The Smart Watch HS 50 is a small, lightweight, smart back-of-hand scanner that makes barcode scanning extremely easy. The scanner must always be connected to the NIMMSTA APP on a terminal for operation. The integrated high performance scanner captures barcodes up to four meters away. Visual, haptic and acoustic feedback on the scanning process is provided. Charging of the scanner is contactless according to the QI standard.

The TRIGGER PAD - right or left is designed for right-handed or left-handed use. The trigger for thumb operation can be positioned freely according to preference. Only a maximum force of 50 g is required for triggering.

Single Wireless Charging Station (for one Smart Watch HS 50)

elastic cord

USB Typ A plug   charging surface   product identification
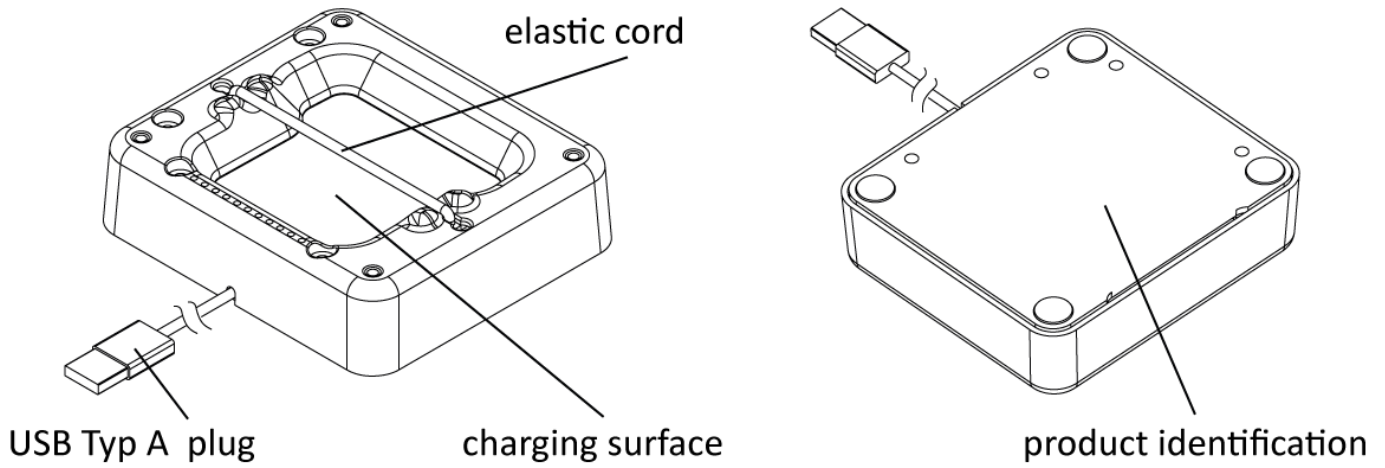
The NIMMSTA Single Wireless Charging Station is designed for wireless charging of the Smart Watch HS 50. The geometry, which is exactly adapted to the Smart Watch HS 50, facilitates the insertion enormously. In addition, a rubber cord provides protection against the Smart Watch HS 50 falling out. The Single Wireless Charging Station can be mounted on a forklift truck, for example, and connected to any USB type A charger. Thus, it is perfectly suitable for use in industrial environments.

Multiple Wireless Charging Station (for 10 Smart Watches HS 50)

charging surface

the product identification
is placed on the underside

power on/off

connector C8 for
connector IEC-60320 C7
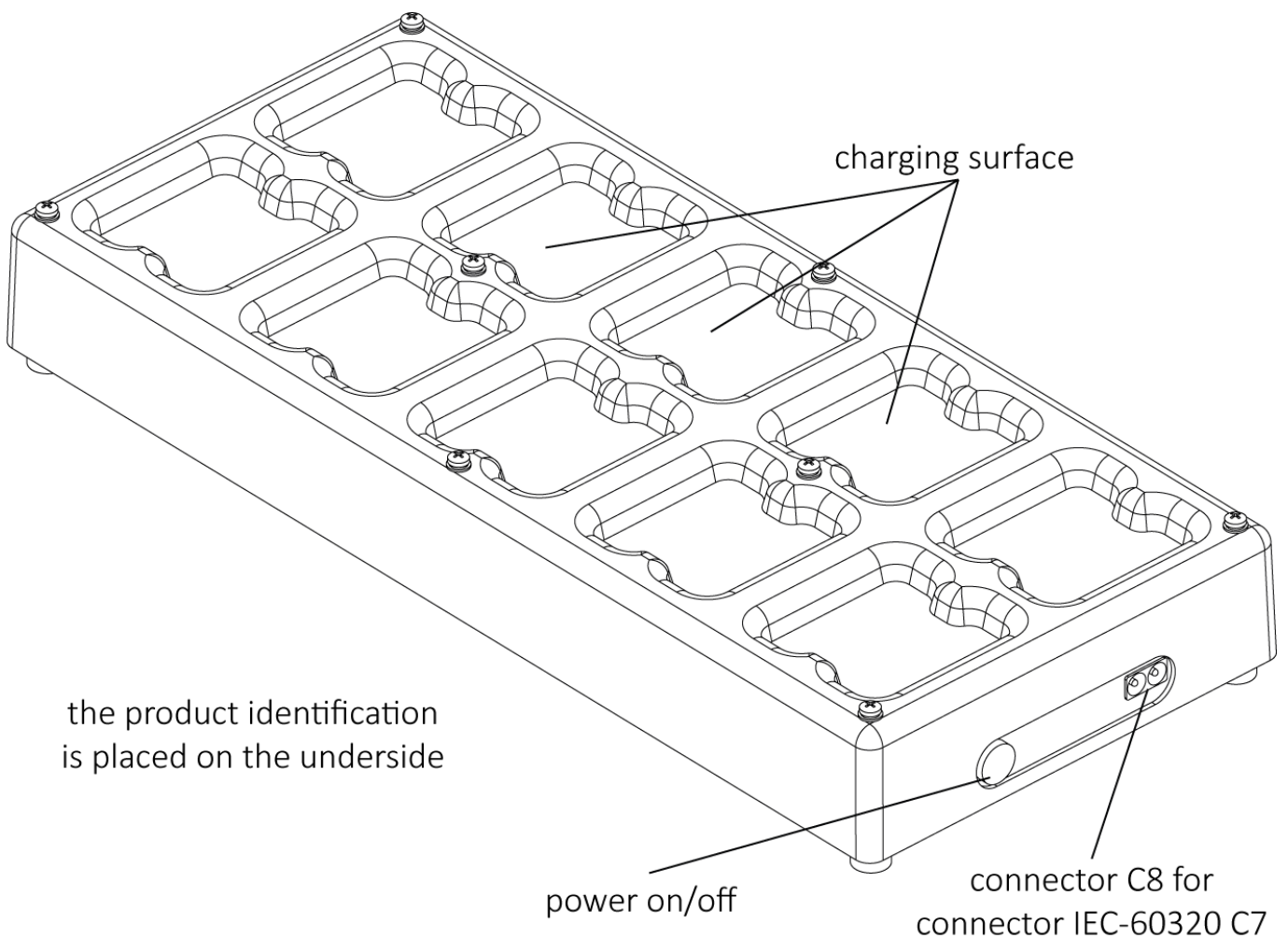
The NIMMSTA Multiple Wireless Charging Station is designed for wireless charging of 10 Smart Watches HS 50 simultaneously. The geometry exactly adapted to the Smart Watch HS 50 facilitate the insertion enormously. The Multiple Wireless Charging Station may only be used with the supplied cable and must not

be opened. It must be connected to a power outlet (CEE 7/3) and switched on by pressing the "Power on/off" button before charging.

Cuff
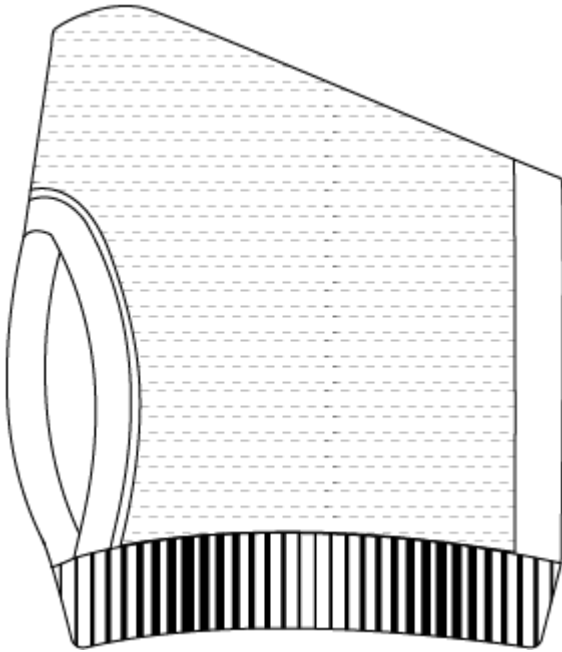
Thanks to the flexible Velcro fastening, the position of the Smart Watch HS 50 and the trigger button on the cuff, gives each employee individually adjusted ergonomics. This also makes it possible to easily remove the scanner to wash or replace the cuff, as there are no electronic components built into the cuff. The cuff can be worn as an overcoat with or without a conventional glove.

The cuff is knitted with ecotex certified and breathable yarns. The inner surface is rubberized for optimal grip.

The cuffs are available for left and right handed use. To ensure a high wearing comfort, the cuff is available in sizes S, M, L and XL.

Commissioning

For the initial commissioning, there is a short video tutorial with all relevant information. This can be accessed either by scanning the QR code below or by clicking on the corresponding link:

https://nimmsta.com/hs50-erstbetrieb/

Unpacking

Keep the packaging. Use the packaging if returning the item, for maintenance or service.

Loading

Place the Smart Watch HS 50 in the charging station. After a charging time of approx. 2 hours, the Smart Watch HS 50 is fully charged and ready for use.

Positioning

The NIMMSTA cuff was specially developed for the Smart Watch HS 50. The Smart Watch HS 50 is fixed to the cuff using velcro.

Place the scanner along the index and middle fingers on the back of the hand.

The trigger pad must lie flat on the cuff. To do this, press the trigger pad firmly against the cuff.
The position of the trigger button can be ergonomically adjusted.

The button is operated with the thumb joint.

Download the App

Log in to the B2B portal. If you do not have access data yet, you can register. Install the NIMMSTA app (described in more detail in chapter "NIMMSTA App") on your target device. This is available for download at https://b2b.nimmsta.com/.

Connect

Start the NIMMSTA app on your target device and scan the displayed "Connect barcode" with the Smart Watch HS 50.

Operation and displays

Switch on to scan - Interactive user guidance

The following example shows the user guidance from when the Smart Watch HS 50 is in a switched off state, to the scanning of a barcode.
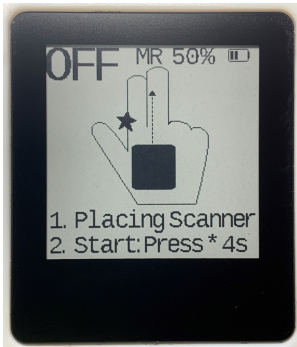
Smart Watch HS 50 is off

On - not connected to the target device

Scan "Connect Code" in the app

Connected to the target device
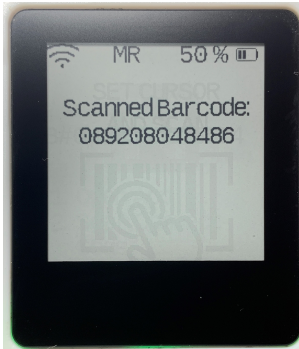
Scan

Feedback of the scanning process:
Scanned code is displayed
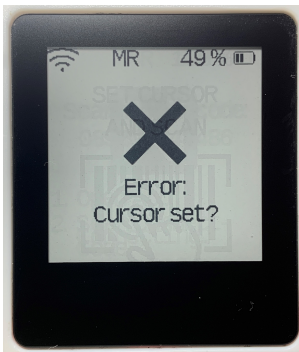
Feedback of the scanning process:
Code could not be transferred. The input destination must be selected in the input device.
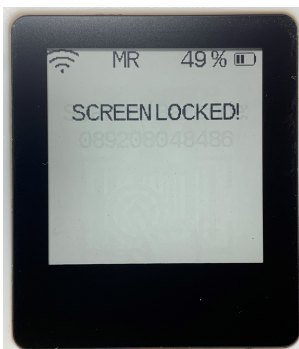
Feedback of the scanning process:
Code could not be transferred. Occurs with the NIMMSTA APP for Windows when the operating system is locked. The system must be unlocked.

Operation

Switch on:

Hold the button for approx. 4 s until the green LED lights up. The Smart Watch HS 50 then flashes red and a short acoustic signal (double beep) sounds.

Switch off:

The button must be held permanently. After approx. 4 s, a switch-off symbol is shown on the display and a haptic signal is given (Smart Watch HS 50 vibrates twice in quick succession).
After pressing the symbol on the touchscreen, while still holding the trigger button, the switch-off is confirmed by an acoustic signal (double beep).

Scanning:

Press the button or the touchscreen. The triggering of the scan process can be configured in the decoder board settings.

Smart Watch HS 50 LED Description

The LED colors described below may light up on the LED side of the Smart Watch HS 50 during operation.

The LED colors during charging are described in section "Charging the internal battery".

Color LED side	Event
	Normal operation
green	Switch on - device starts up
blue	Connected - goes out after 20 s
red flashing	Not connected
	Scan
green	Barcode successfully scanned - goes out after 1 s
red	Error - goes out after 1 s

Smart Watch HS 50 battery level indicator

The remaining battery level is displayed on the Smart Watch HS 50 both as a percentage and as bars in the upper right corner of the display.

The number of bars corresponding to the percentage of the battery level is shown in the table below.

Number of bars	Battery level in percent
4 bars	&#8805 90 %
3 bars	&#8805 65 %
2 bars	&#8805 40 %
1 bars	&#8805 15 %

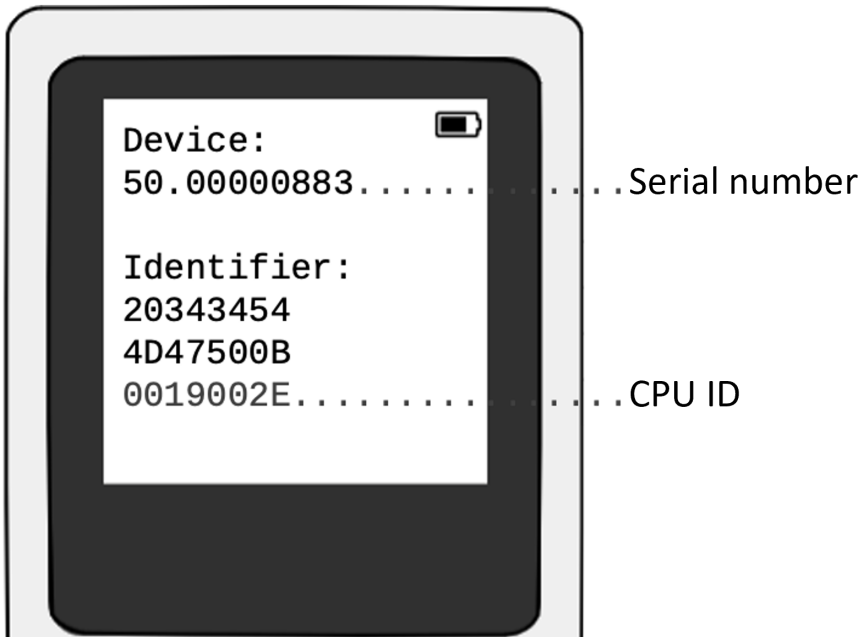| Number of bars	Battery level in percent
0,5 bars	&#8805 5 %
0 bars	&#8805 2 %

Call service screen

Carry out the following steps to call up the service screen of the Smart Watch HS 50 and obtain further information about the device. Calling up the screen works even when the Smart Watch HS 50 is not connected to the target device.
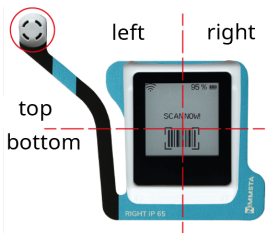
1. Touch either the right, left, top or bottom side of the touchscreen with two fingers, depending on the desired service screen.
2. Switch off the Smart Watch HS 50 by pressing the trigger button while touching the touchscreen.
3. The service screen is loaded.

To exit the service screen, restart the Smart Watch HS 50.
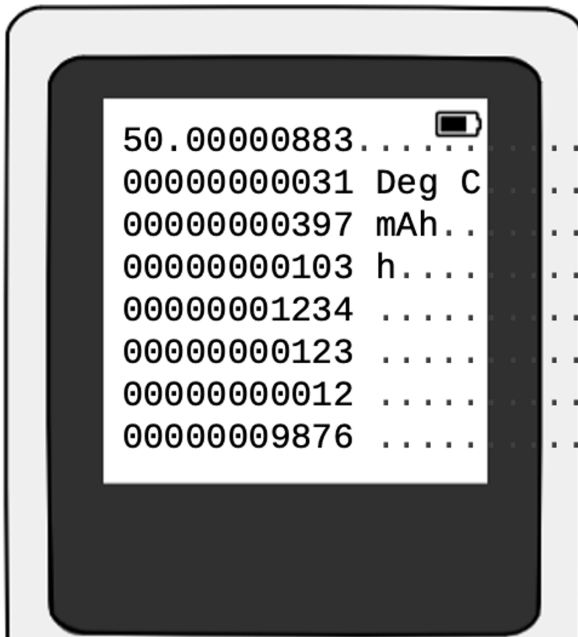
Service screen top

Service screen left

Service screen left
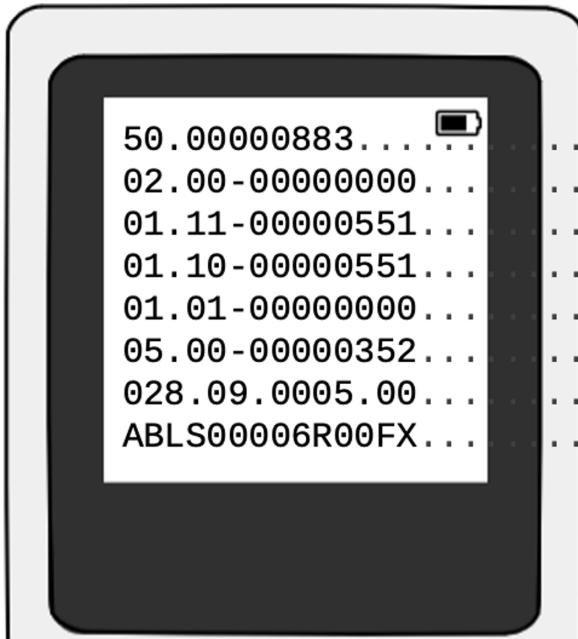
```
50.00000883..... 🔋        ....Serial number
02.00-00000000...         ....Hardware version
01.11-00000551...         ....Firmware version
01.10-00000551...         ....Bootloader version
01.01-00000000...         ....Protocol version
05.00-00000352...         ....BLE script version
028.09.0005.00...         ....BLE version
ABLS00006R00FX...         ....Decoderboard firmware version
```

Service screen right

```
50.00000883..... 🔋        ....Serial number
00000000031 Deg C         ....Max. temp. battery in °C
00000000397 mAh..         ....Battery capacity in mAh
00000000103 h....         ....Operating hours
00000001234 .....         ....Number of trigger pressed
00000000123 .....         ....Number of barcodes detected
00000000012 .....         ....Number of complete charging cycles
00000009876 .....         ....Number of starts of charging cycles
```

Service screen top left / bottom right

Service screen top left / bottom right
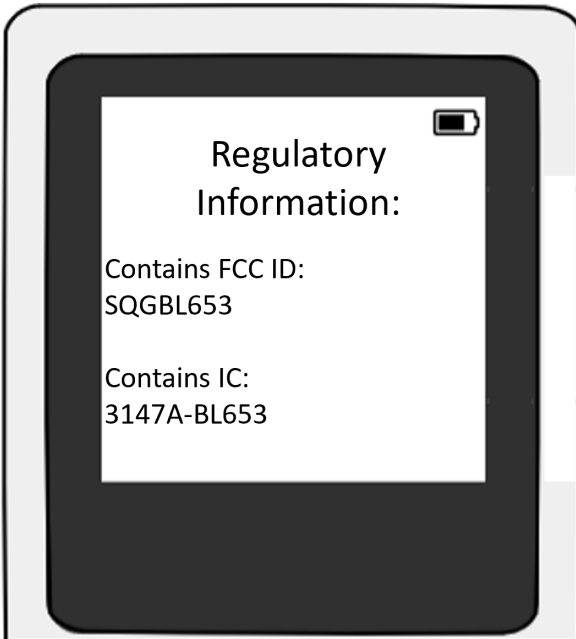
Hard Reset

If the Smart Watch HS 50 no longer responds to any input, a hard reset can be performed. The Smart Watch HS 50 loses all connections due to the hard reset and is restarted.

1. Press the button for approx. 35 s until the green LED at the front right of the Smart Watch HS 50 lights up.
2. Release the button.

The hard reset is executed.

After refreshing the display, the hard reset is complete.

The green LED at the front right of the case only lights up in case of a hard reset.
If the shutter release button is pressed for longer than approx. 35 s, the LEDs light up until the shutter release button is released.
The hard reset is executed only after it is released.

Charge internal battery

When switched on and connected to the target device via Bluetooth, the internal battery is designed for 18 hours of operation. Alternatively, up to 6,000 scan cycles are possible, depending on the decoder board setting.

At the end of the day, perform the following steps:

1. Pull the TRIGGER or CLIP PAD with scanner off the cuff. Use the tab provided for this purpose.
2. Place the Smart Watch HS 50 with pad in the charging station.
3. The charging process starts automatically when the charge level is less than 80 %.

There must be no objects between the charging station and the pad.
The Smart Watch HS 50 does not need to be switched off, it switches off automatically at the start of the charging process.

Load status	Display	LED when charging
<10 %	Crossed out battery	red pulsating
<25 %	Charging icon (battery with flash) and display finger	red pulsating
<85 %	Charging icon (battery with flash) and display finger	yellow pulsating
<100 %	Charging icon (battery with flash) and display finger	green pulsating
100 %	Display finger	green glow

B2B-Portal

The B2B portal provides you with a central location for managing your Smart Watch HS 50. Your personal access to the B2B portal is set up by your sales partner.

All devices and warranty products are recorded in the B2B portal before delivery and assigned to your account. You also have access to the latest versions of the apps and firmware.

You can find the B2B portal at b2b.nimmsta.com

Download area

In the download area you can download the NIMMSTA APP for Android and Windows as well as firmware updates.

NIMMSTA APP

FIRMWARE UPDATE

Configure app

To start an app configuration, select whether you want to start a configuration for Android or Windows. A created configuration can be downloaded afterwards. The configuration is integrated into an APK (Android) or EXE (Windows), which you can install directly. After installation, the defined configuration is automatically activated.

After opening the configurator, you can define the various configuration options

General

Here you can define the name of the configuration

Decoderboard Settings

Here you can define various behaviors of the Smart Watch HS 50. For example, you can define in the app settings whether the settings can be changed from the app. Under *Symbologies* individual barcode types can be de/activated.

Rule Configuration

Here you can define whether the scanned barcode should be modified. For example, ENTER commands to a barcode can be defined as a suffix here.

In the upper area under *EVALUATE YOUR CONFIGURATION RULES* an example barcode can be entered. The result after applying the rules is then displayed on the right.

In the lower area under *ASSEMBLE YOUR CONFIGURATION RULES* rules can be added. Select which modifier or condition should be added.

Modifiers edit the scan result. Conditions can be used to select modifiers depending on the scan result.

The following modifiers and conditions are available

Modifiers	Description
NORMALIZE	Is required in expert mode. Returns the control character entered in code
TRIM	Removes spaces before and after the scan
CHARACTER AT POSITION	Outputs the letter at the specified position of the scan. The first position is 0
REPEAT	Outputs the scan as often as entered as the result
PAD START	Fills the scan with a defined fill character <u>before the scan</u> up to the minimum length
PAD END	Fills the scan with a defined fill character <u>after the scan</u> up to the minimum length
SLICE	Outputs the part of the scan between start and end. The first position is 0
REPLACE	Replaces the searched text of the scan with a defined text
APPEND	Inserts the defined text after the scan (suffix)
PREPEND	Inserts the defined text before the scan (prefix)

Conditions	Description
MATCH	TRUE if the defined regular expression is valid. Otherwise FALSE
ENDS WITH	TRUE if the scan ends with the defined text. Otherwise FALSE
STARTS WITH	TRUE if the scan starts with the defined text. Otherwise FALSE
INCLUDES	TRUE if the scan includes the defined text. Otherwise FALSE
COMPARE	TRUE if the scan corresponds to the defined text. Otherwise FALSE

Special Characters

Predefined special commands (HID events and Unicode characters) can be entered in the upper area and for some modifications and conditions.

The overview can be called up by selecting the keyboard shown next to the text input field. The following special commands are possible:

HID Event

ENTER	Corresponds to an Enter command on the keyboard
TAB	Corresponds to a Tab command on the keyboard

Unicode Characters	

HID Event

V-TAB	"Vertical Tab" - control character in the Unicode standard (U+000B), which stands for a vertical tabulator used in word processing and programming languages to move the cursor vertically downwards to a predefined breakpoint.
H-TAB	"Horizontal Tab" - control character in the Unicode standard (U+0009), which stands for a horizontal tab used in word processing and programming languages to move the cursor horizontally to the next tab stop.
CR	"Carriage Return" - control character in the Unicode standard (U+000D), which is usually used in combination with LF (Line Feed, U+000A) to indicate a line break in text files, and corresponds to resetting the write position to the beginning of the current line.
LINEFEED	"LINE FEED" "(LF)" - control character in the Unicode standard (U+000A), which is used in most operating systems to indicate a line feed, which moves the cursor to the beginning of a new line.
GS	"Group Separator" - control character in the Unicode standard (U+001D), which was historically used in data processing to separate logical data groups within a stream or memory.
RS	"Record Separator" - control character in the Unicode standard (U+001E), which is used to separate data records or data fields within a data stream.
STX	"Start of Text" - control character Unicode standard (U+0002), which marks the start of a text.
ETX	"End of Text" - control character in the Unicode standard (U+0003), which is used in computer communication to indicate the end of a text block.
SOH	"Start of Header" - control character in the Unicode standard (U+0001), which is used to mark the start of a header data block.

Customization Configuration

Here, the appearance of the app can be changed and adapted to your company colors, for example.

Warranty products

In the range FULLCARE | CARE | REPAIR | WARRANTY you can find out about the guarantee products and view your booked guarantee products.

If you would like to request an exchange, please go to Austausch beantragen. Here you will be directed to the application portal and can submit the application.

Service area

In the service area you will find the *Manual* and the *Technical Guide* as well as the possibility to create a *Service Ticket*. To do this, please follow the options on the page Support

NIMMSTA App

NIMMSTA APP for Android

Installing the NIMMSTA APP for Android

The NIMMSTA APP can be downloaded from the NIMMSTA B2B portal at the following link: NIMMSTA B2B Portal
When downloading from the B2B portal, you will receive an apk file.

The following descriptions refer to Android version 13. In other versions or versions from other manufacturers, texts and details may be different - but the basic steps are the same.
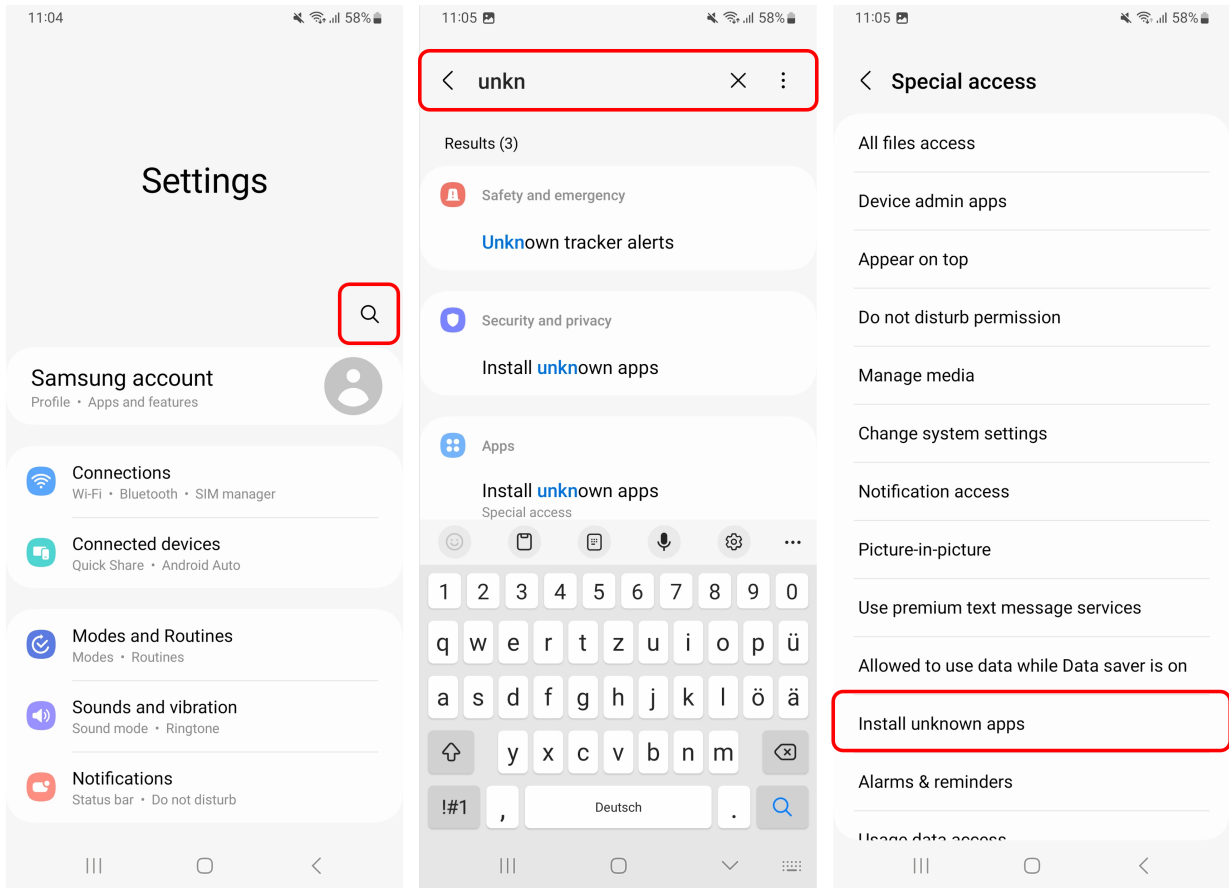
Allow installation from external sources

To be able to install an app with an APK file, installation from external sources must be allowed.

Open the settings by swiping from the top of the Home screen and selecting the gear icon.
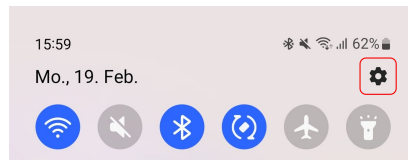
Select the input *Search settings*, search for *unkn* and select *Install unknown apps* from the search hits. Then select the appropriate menu.

Make sure that the folder in which you want to save the APK file is activated.
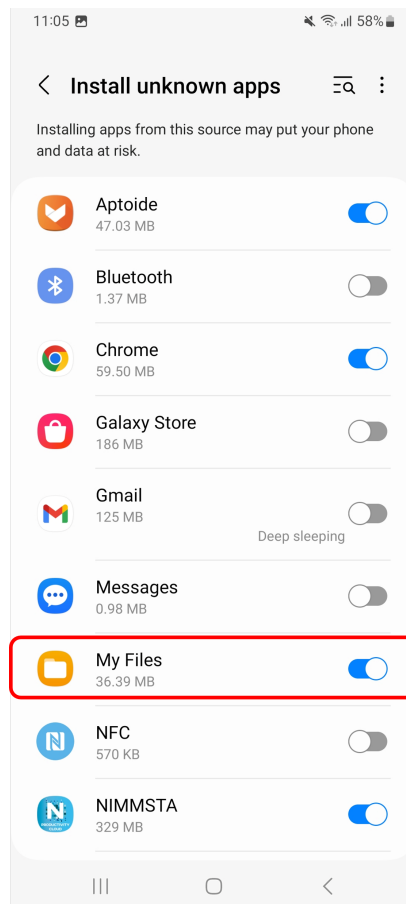
Transferring the APK file

After downloading the APK file from the B2B portal, connect your Android device to your computer via USB cable.

Make sure that the APK file can be transferred to the Android end device. With Android 8 for example, select the required USB transfer type by swiping from the top of the home screen and tapping on the *Android system device is charging via USB* display (you may then need to tap on *More options*). Then select the *Transfer files* option in the menu.
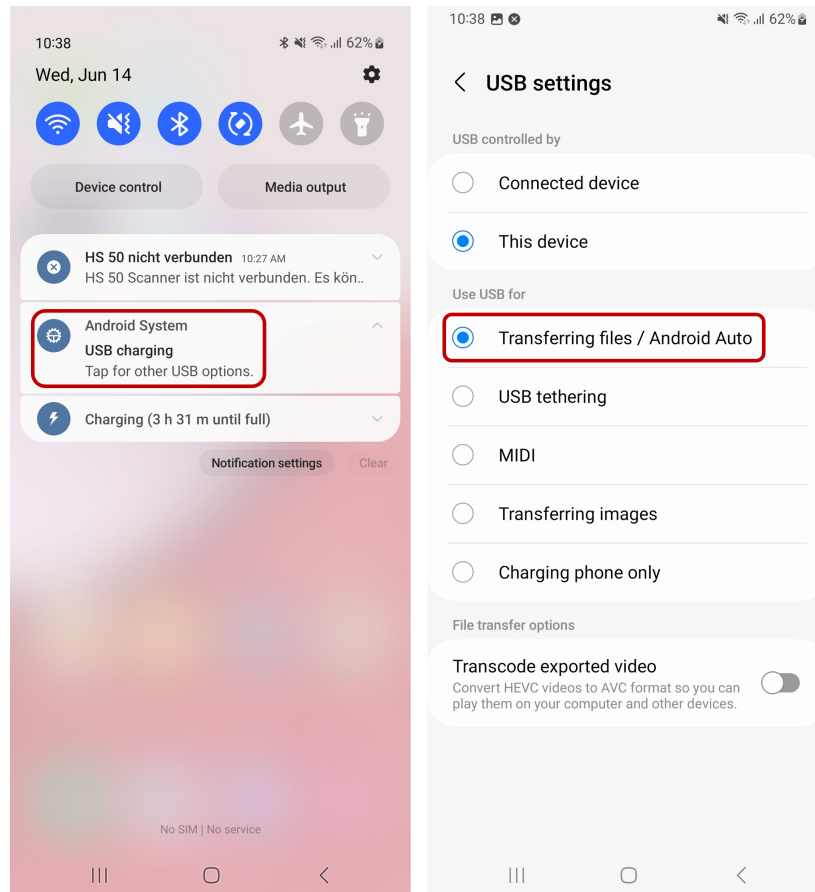
On the computer, you can now open the Android end device in Explorer. There, select the folder *Internal shared storage*. On some devices, this folder is called SD Card.

Select the download folder and copy the downloaded APK file into it.

Installation of the NIMMSTA APP

Open the file manager on your Android device and change to the directory *Internal shared storage/Download*. There, select the APK file you just transferred to install it.
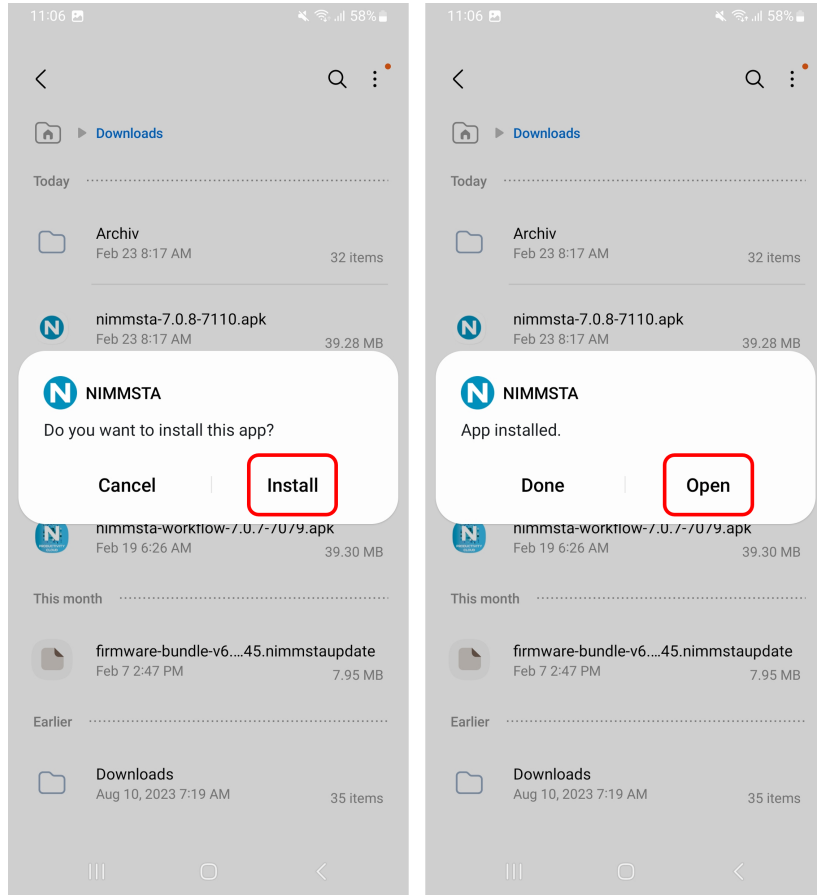
After opening the NIMMSTA APP, two authorizations are requested. The request for notification is optional, but makes working easier. You should always allow location sharing. This is required because the NIMMSTA APP needs to access the Bluetooth transmission.
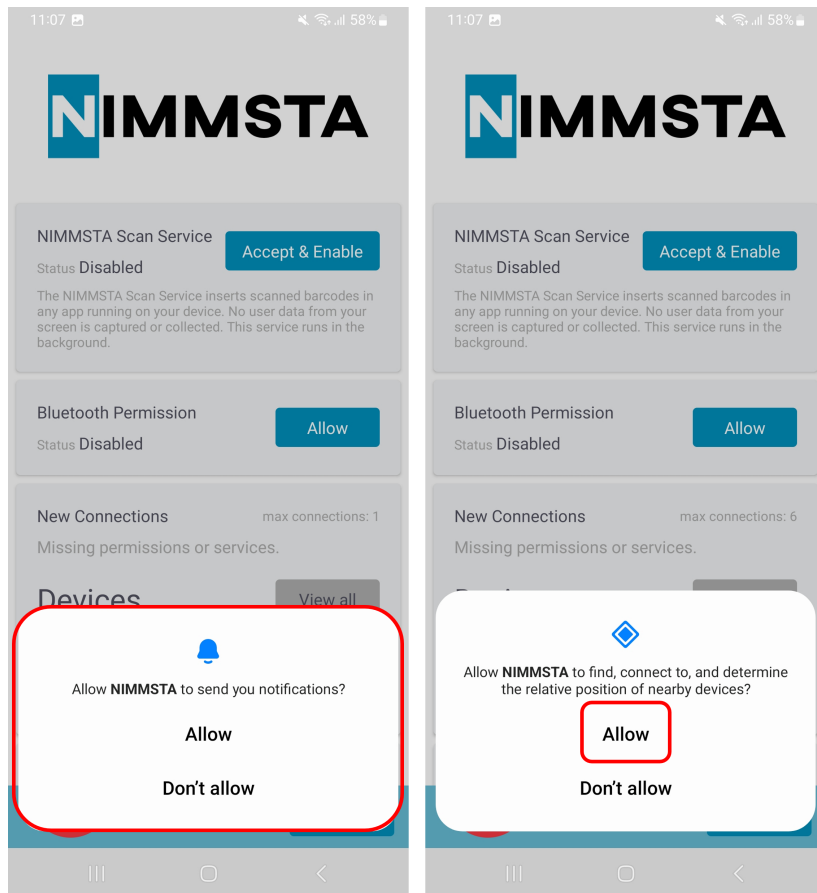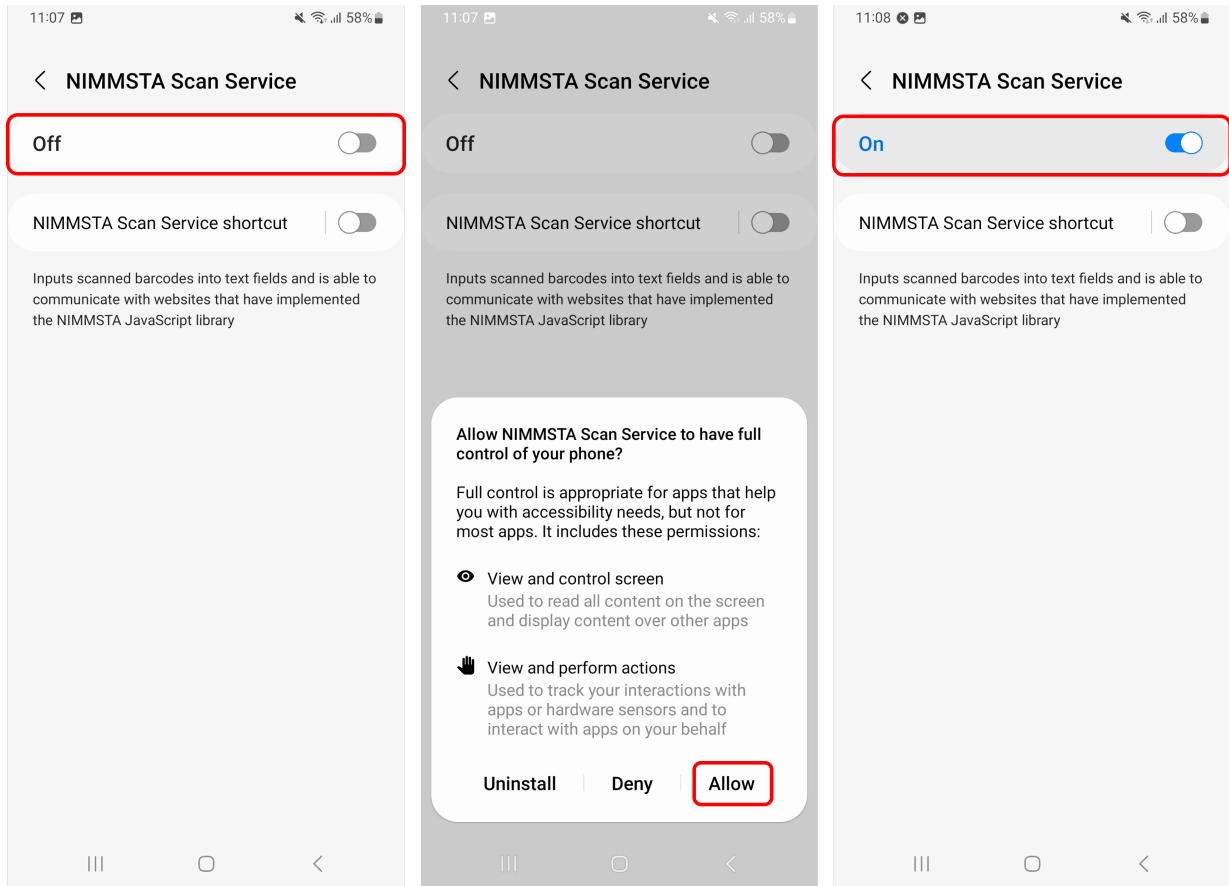

Press the "Go to Accessibility Preferences" button and confirm the next query.
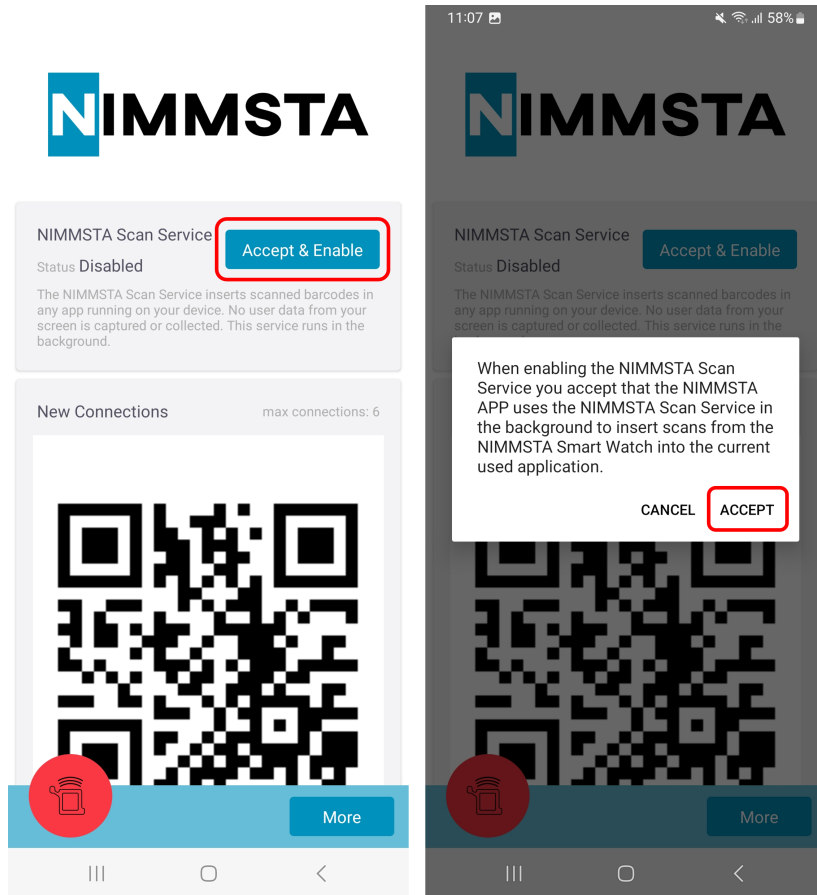
Then select the NIMMSTA Scan Service from the "Installed apps" menu that opens.
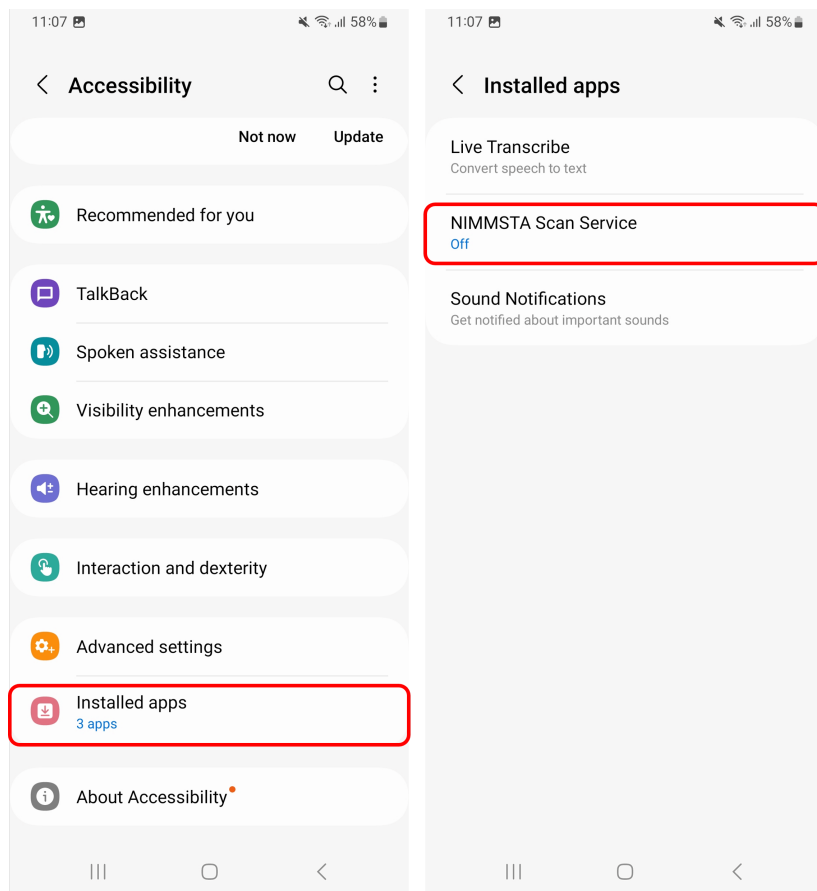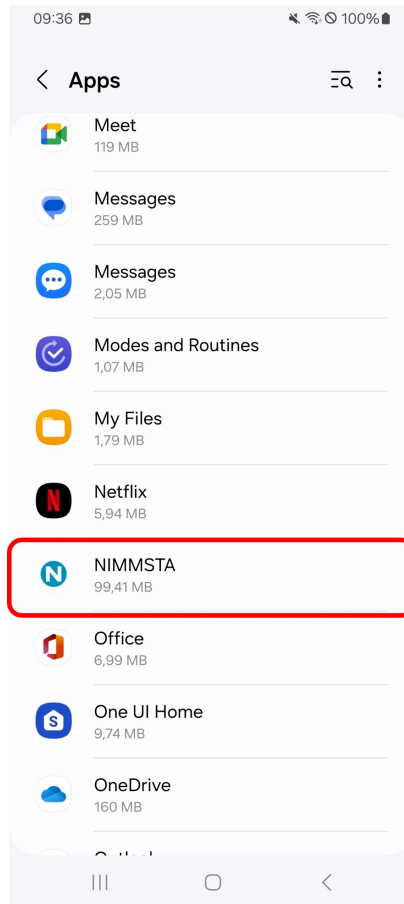

Before the NIMMSTA Scan Service can be activated, the following query must still be allowed, the status should then change from "Off" to "On".

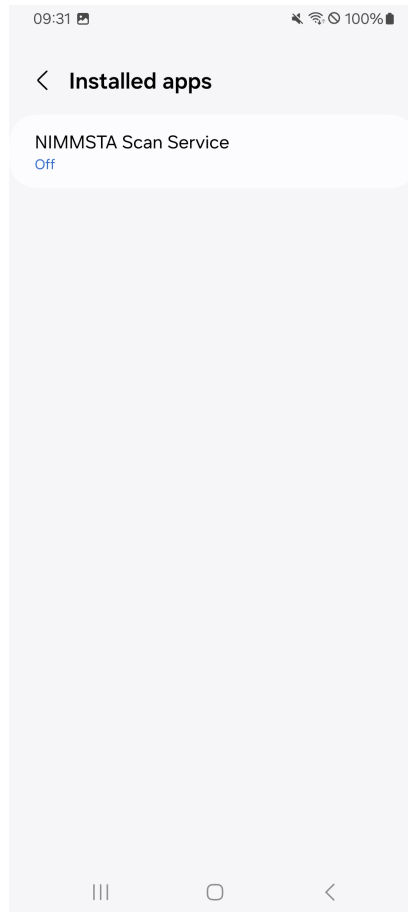Depending on the android version, it may not be possible to activate the NIMMSTA Scan Service directly.
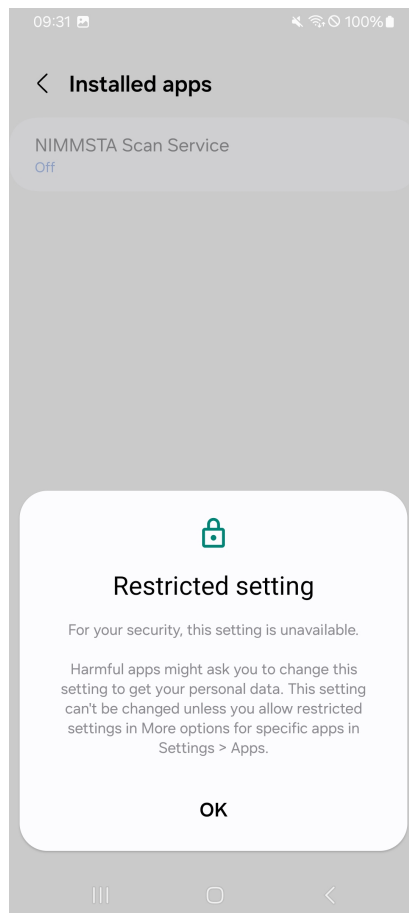
In this case, additional steps must be carried out. Go to the "Apps" tab under Settings and select the NIMMSTA app:

Click on the three dots at the top right and click "Allow restricted settings":
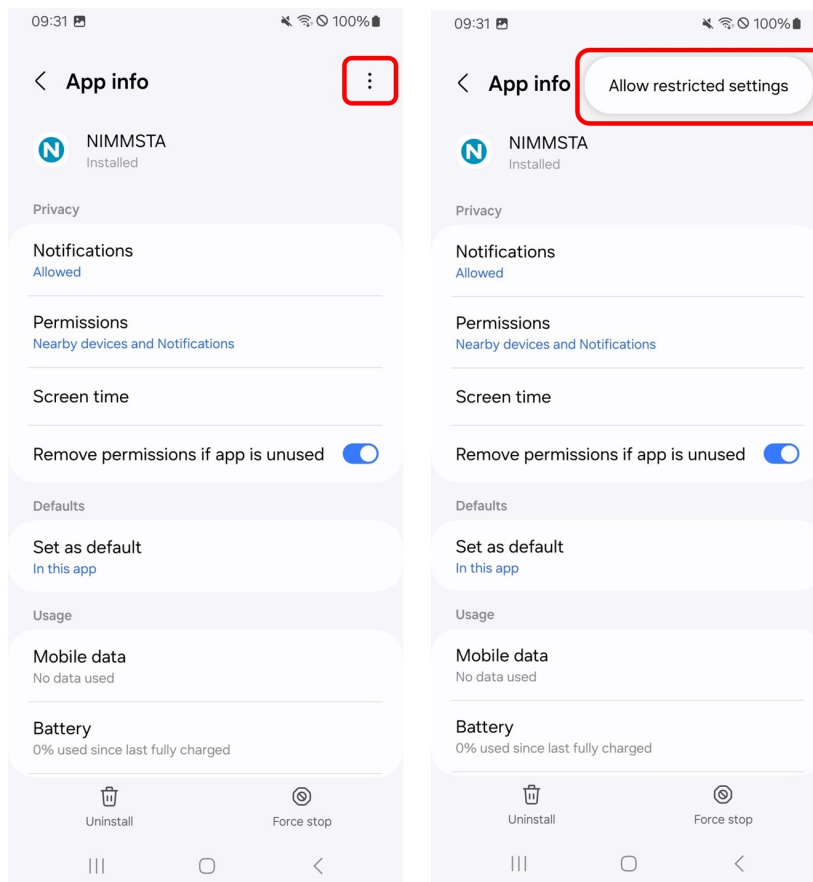
The NIMMSTA Scan Service can then be activated:

Press the back button on your Android device several times until you are navigated back to the NIMMSTA APP. The status Enabled is now displayed for the Accessibility Service. You can now connect the NIMMSTA Smart Watch HS 50 to the Android end device by scanning the Connect QR code displayed in the app.
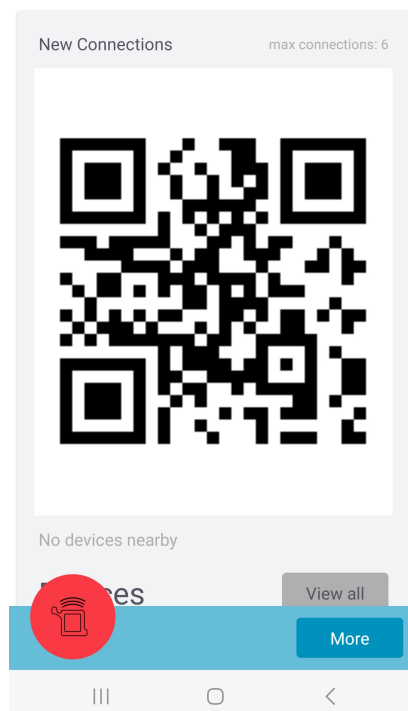
Android Permissions

The NIMMSTA APP requires the following permissions to function properly.

- Memory
- Location

When using Mobile Device Management (MDM), please ensure that the NIMMSTA APP receives the following Android Permissions.

Android V6 up to and including Android V11

- android.permission.BLUETOOTH_CONNECT
- android.permission.BLUETOOTH_PRIVILEGED
- android.permission.INTERNET
- android.permission.FOREGROUND_SERVICE
- android.permission.BLUETOOTH
- android.permission.BLUETOOTH_ADMIN
- android.permission.ACCESS_FINE_LOCATION
- android.permission.ACCESS_COARSE_LOCATION
- android.permission.READ_EXTERNAL_STORAGE
- android.permission.WRITE_EXTERNAL_STORAGE

As of Android V12 (API Level 31)

- android.permission.BLUETOOTH_SCAN"
    - android:usesPermissionFlags="neverForLocation"
    - tools:targetApi="s"
- android.permission.BLUETOOTH_CONNECT
- android.permission.INTERNET
- android.permission.FOREGROUND_SERVICE
- android.permission.READ_EXTERNAL_STORAGE
- android.permission.WRITE_EXTERNAL_STORAGE

Enable services required for mobile device management (MDM)

If the NIMMSTA APP is played out via an MDM, the following commands can be used to ensure that no authorizations have to be approved manually by the user

Bluetooth Permissions

```
adb shell pm grant com.nimmsta android.permission.ACCESS_FINE_LOCATION adb shell
pm grant com.nimmsta android.permission.BLUETOOTH_ADMIN adb shell pm grant
com.nimmsta android.permission.ACCESS_COARSE_LOCATION adb shell pm grant
com.nimmsta android.permission.FOREGROUND_SERVICE adb shell pm grant com.nimmsta
android.permission.WRITE_EXTERNAL_STORAGE
```

Accessibility Service

```
adb shell settings put secure enabled_accessibility_services
com.nimmsta/com.nimmsta.core.android.accessibilityservice.NimmstaAccessibilitySe
```
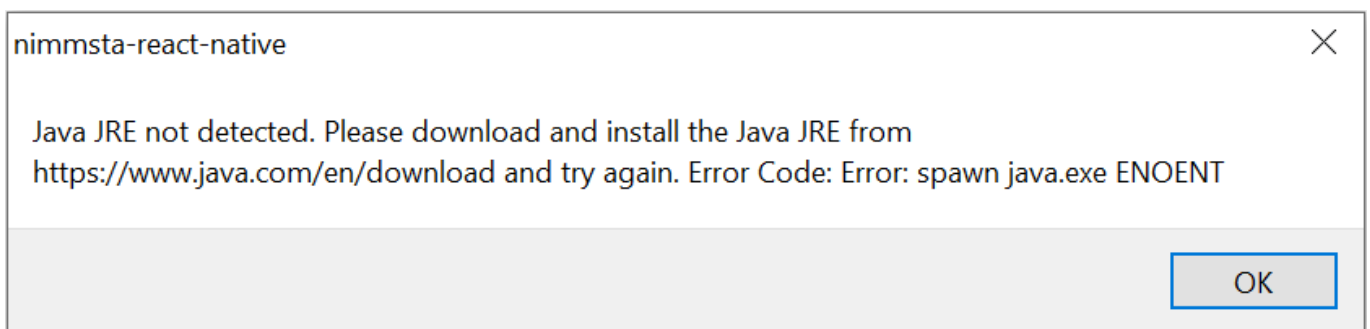
```
rvice
```

NIMMSTA APP for Windows

System requirements

- Windows 10 or higher
- BLE 4.2 compatible Bluetooth-Module with Windows 10 Fall Creators Update or later (Build 1709, Released 17.10.2017)
- 2-Core CPU
- 4 GB RAM
- 2 GB HDD
- At least Java Version 8+

If Java is not installed correctly or an outdated version is installed, the following error message may appear:

In this case, the correct version must be installed.

Installation Java

Java can be downloaded from the following link: Java JDK / JRE For java, you can either install JDK, or JRE (JRE is recommended).
Java JDK 17+
Java JRE

To setup the Java properly, you have to add Java to the system environment variable path, for doing it you can follow the instruction:
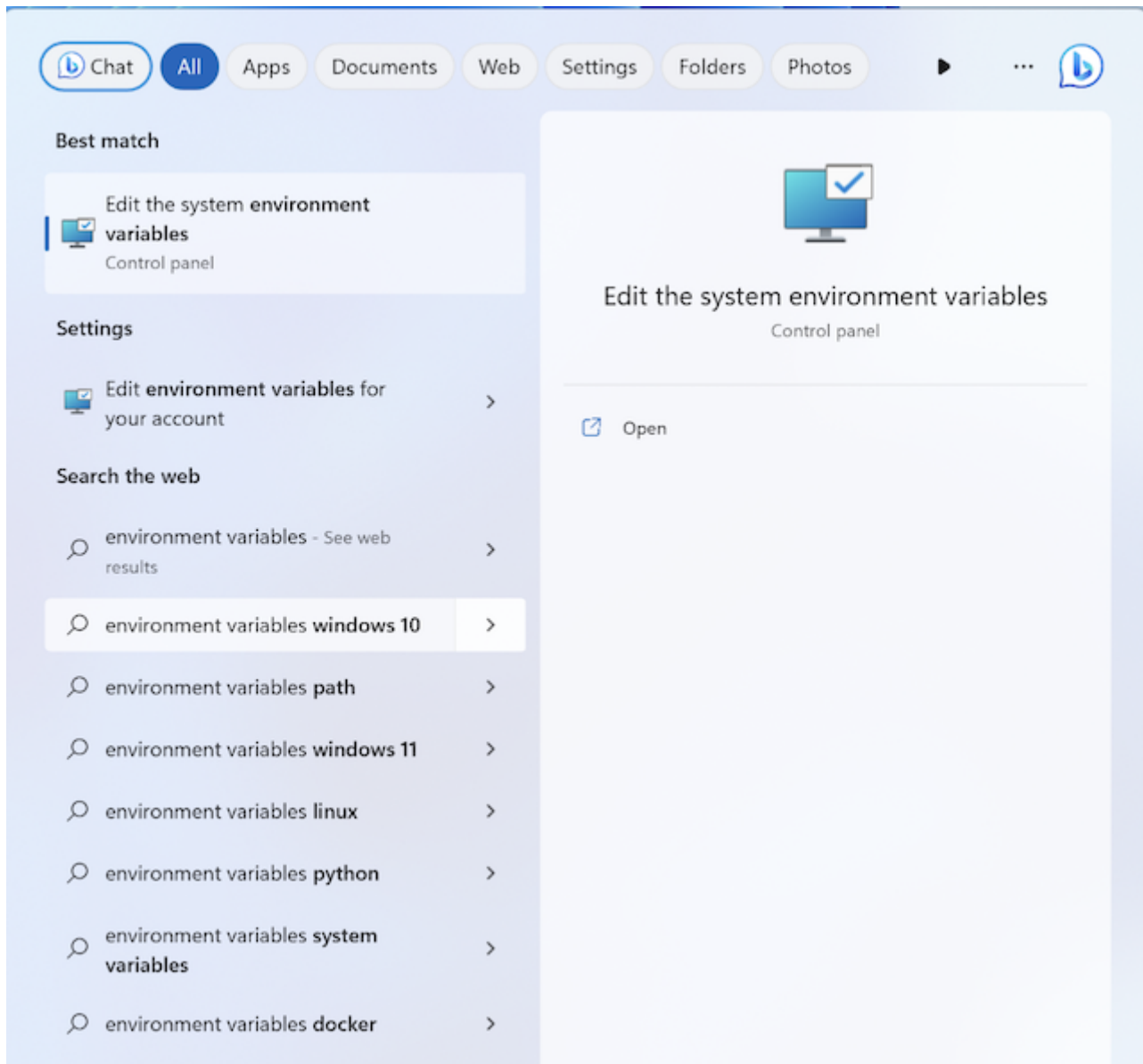
In the "Advanced" tab, select the "Environment variable" button:
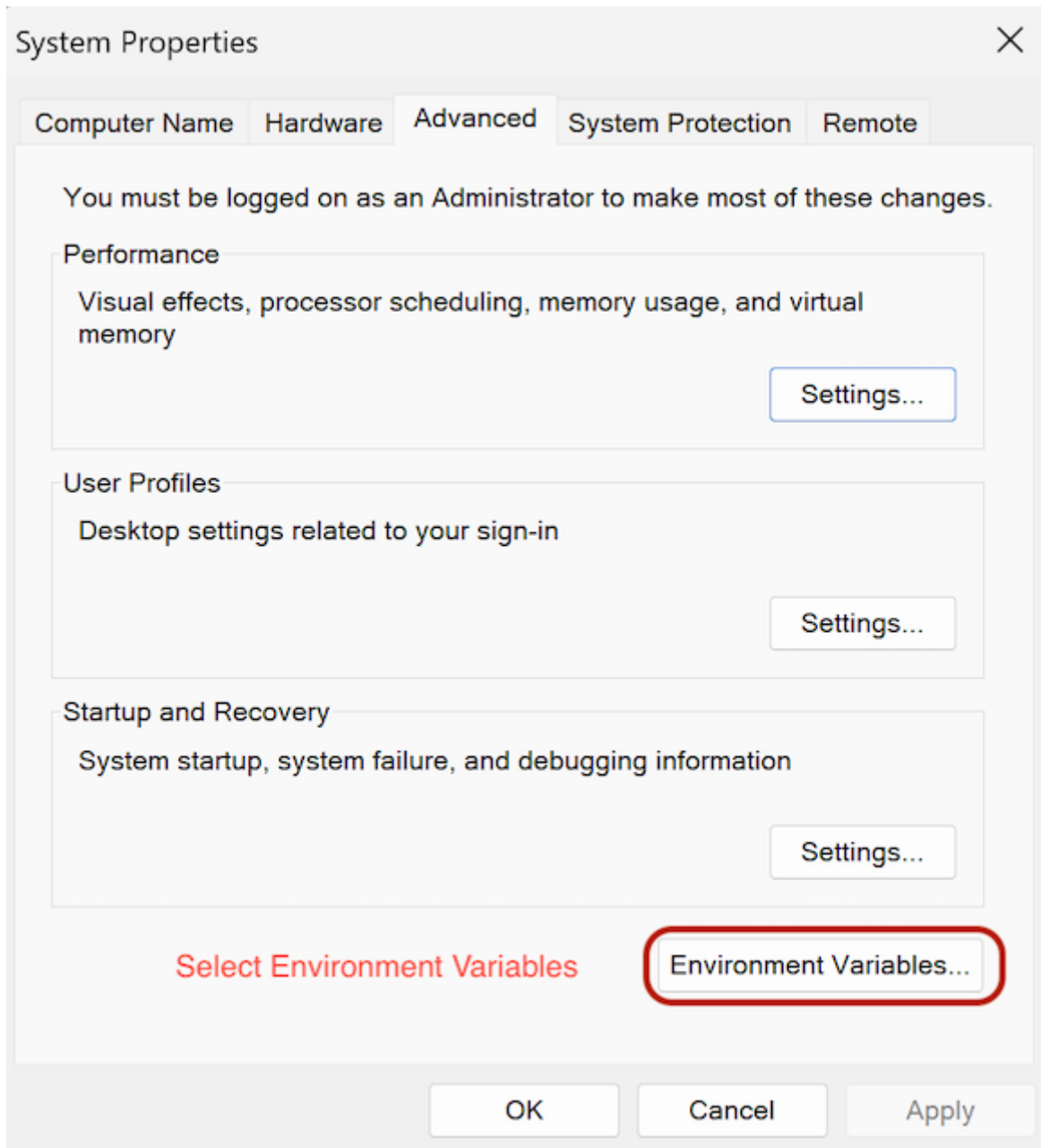
Select the "Path" variable and then click the "Edit" button:
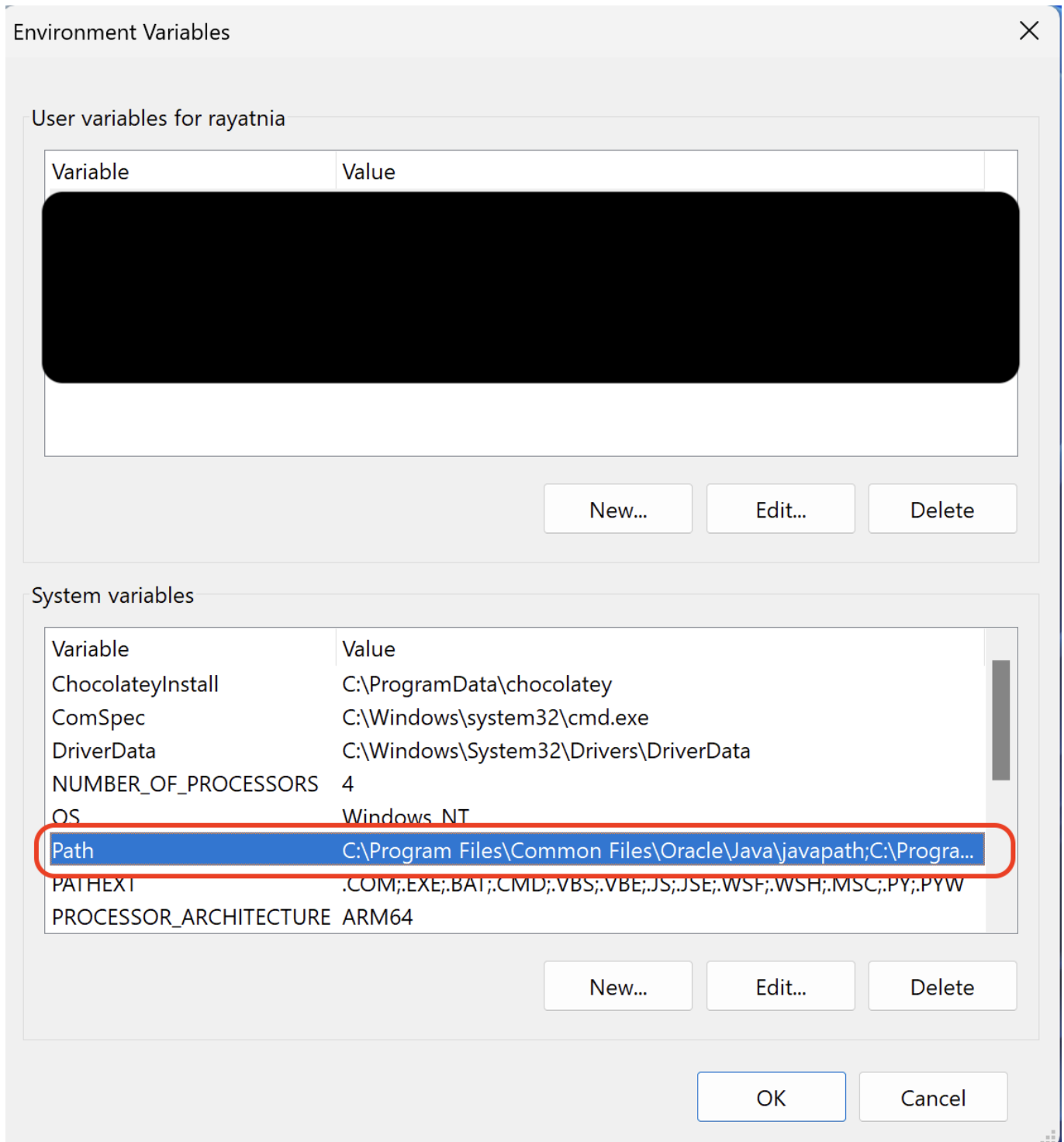
The variables marked in red in the following illustration must be present. If necessary, add them by clicking the "New" button.

Use the command prompt (cmd) or PowerShell to make sure that Java is installed and working properly. The following display should then appear:

Download NIMMSTA APP

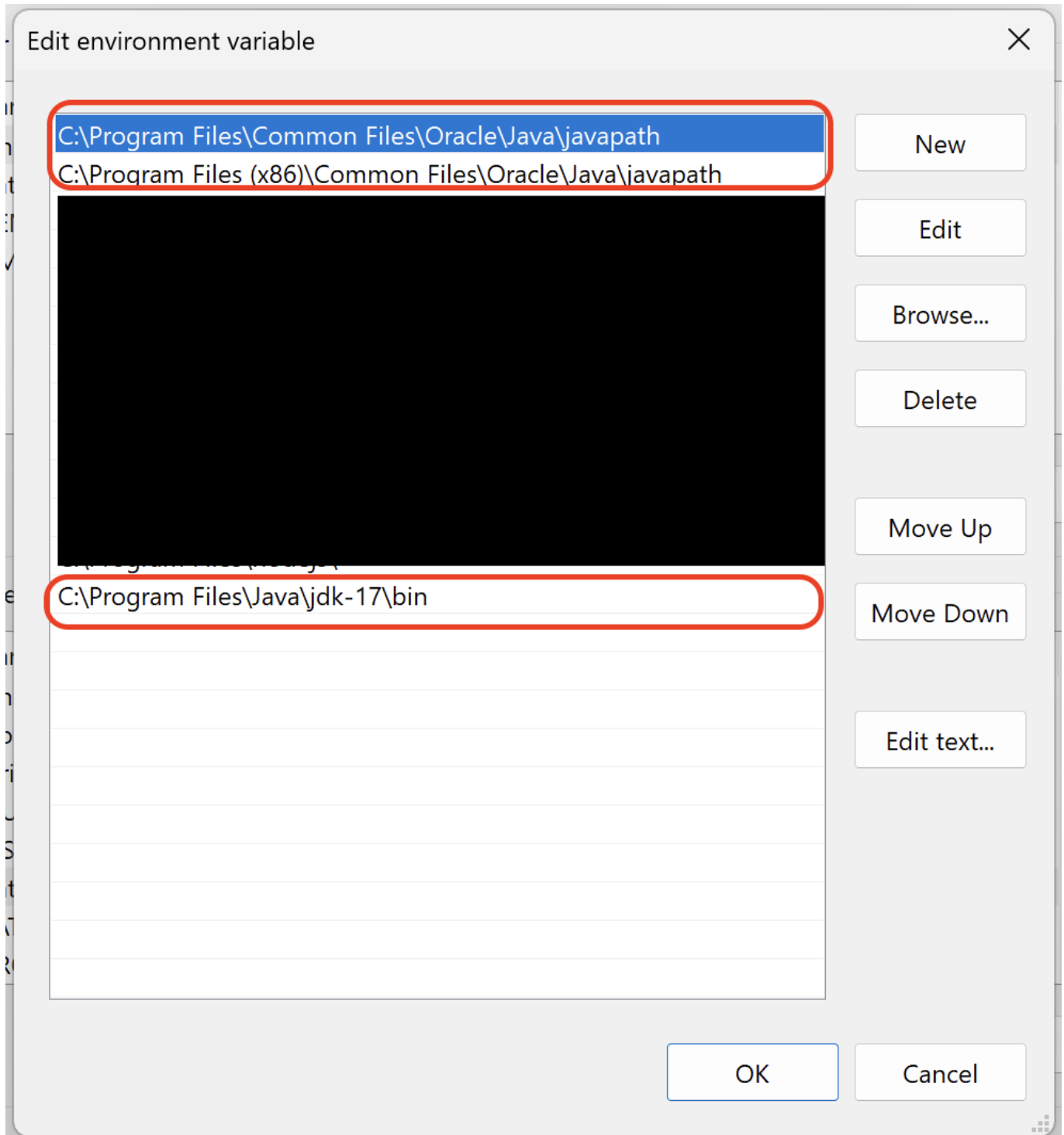The NIMMSTA APP can be downloaded from the NIMMSTA B2B portal. When downloading from the B2B portal, you will receive an EXE file. The EXE file can be downloaded from the NIMMSTA B2B portal at the following link:
NIMMSTA B2B Portal

Note: If you are using the Edge browser, you may see a warning message after the download. To save the download, select the three dots and then select *Keep*. In the window that opens, select *Keep anyway*.

Install NIMMSTA APP

The following descriptions refer to Windows 10 with Java already installed.

- Start the installation

- During the installation, the program for installing the required drivers is also called. Please install them as well.
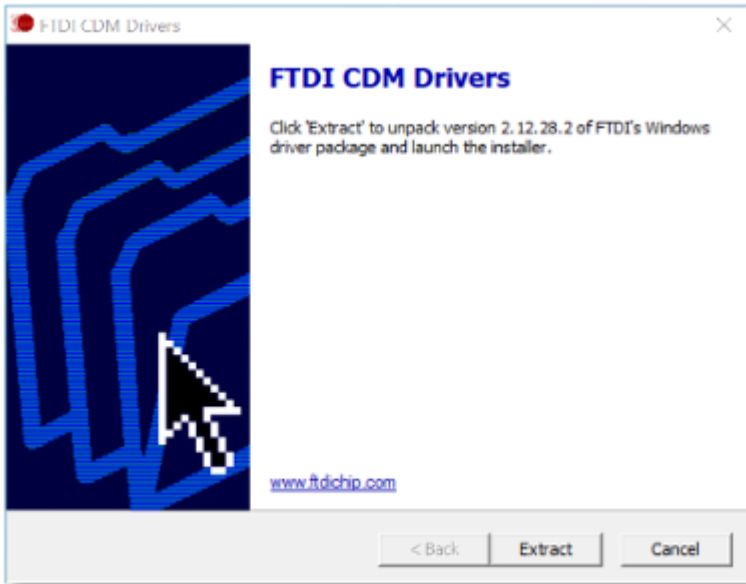
- After the installation is complete, you can choose whether the NIMMSTA app should be started directly. Please do not start the NIMMSTA app immediately after installation.
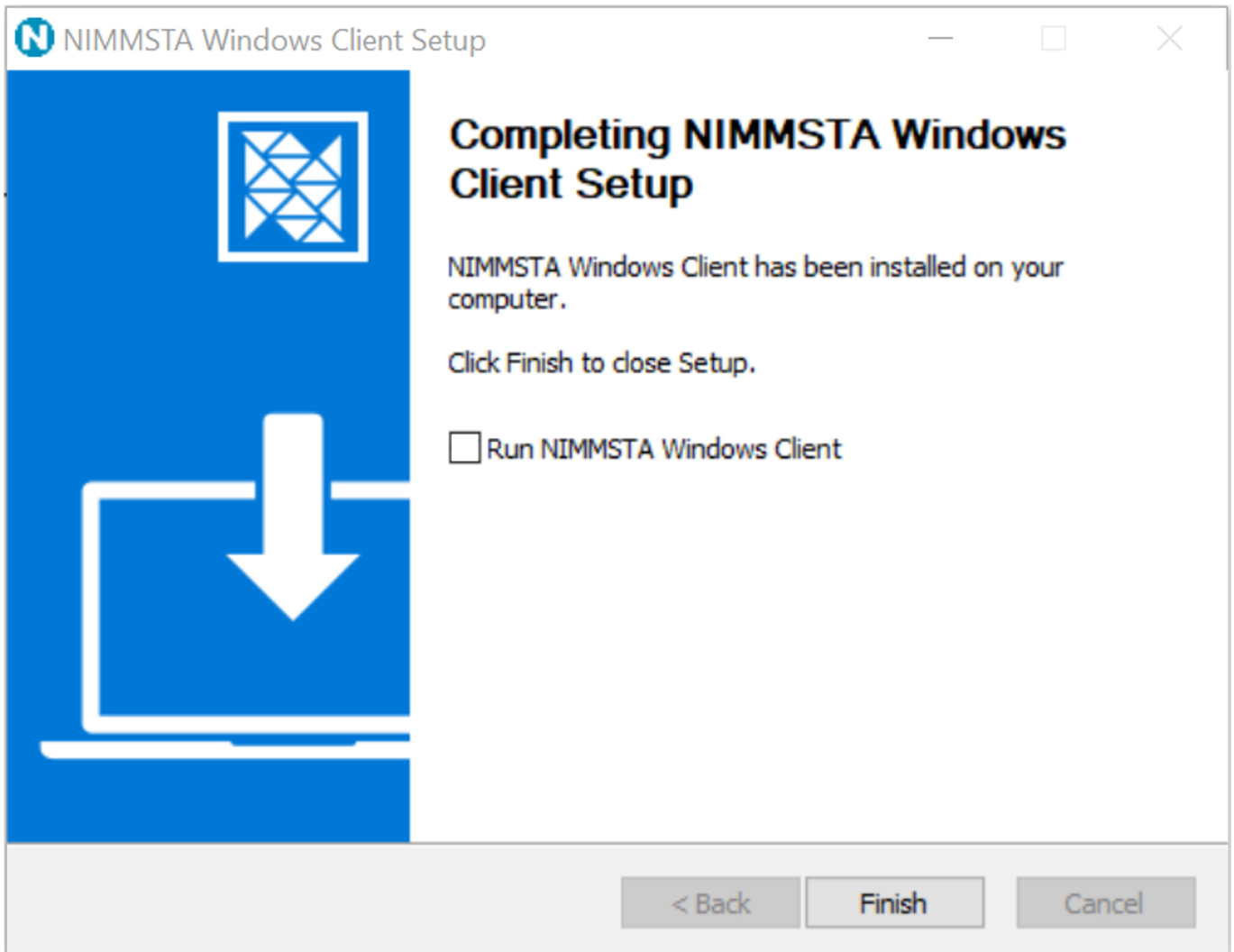
- To ensure correct operation of the app, restart the operating system and then the NIMMSTA app.

Use NIMMSTA APP

- The following step is only necessary if your terminal does not have a BLE 4.2 compatible Bluetooth module:
  Connect the NIMMSTA Bluetooth dongle to the Windows computer.

- The NIMMSTA app can be opened using the Start menu entry or the desktop icon.
- As soon as the NIMMSTA application is started, the Connect screen is displayed.
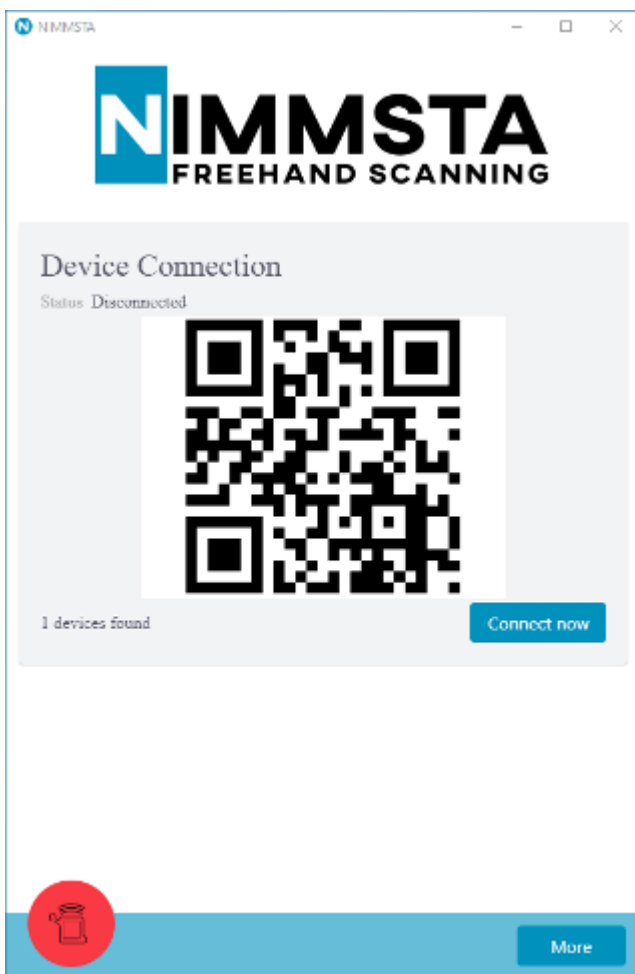
FAQ Windows App

No desktop icon is created

This may occur if a separate administrator account is used for the installation. In this case, the desktop shortcut can be created manually. To do this, create a shortcut to the following file:

`C:\Program Files\NIMMSTA Windows Client\NIMMSTA Windows Client.exe`

Or rather

`<Zielverzeichnis>\NIMMSTA Windows Client.exe`

Perform firmware update

Download the firmware upgrade in the NIMMSTA B2B Portal.

Transfer the file to the Android or Windows device.

Open the NIMMSTA App, connect the Smart Watch HS 50 that is to be upgraded and select the Smart Watch HS 50 icon. Note: From NIMMSTA APP V6 on you will find the menu item in the right menu 'More'.
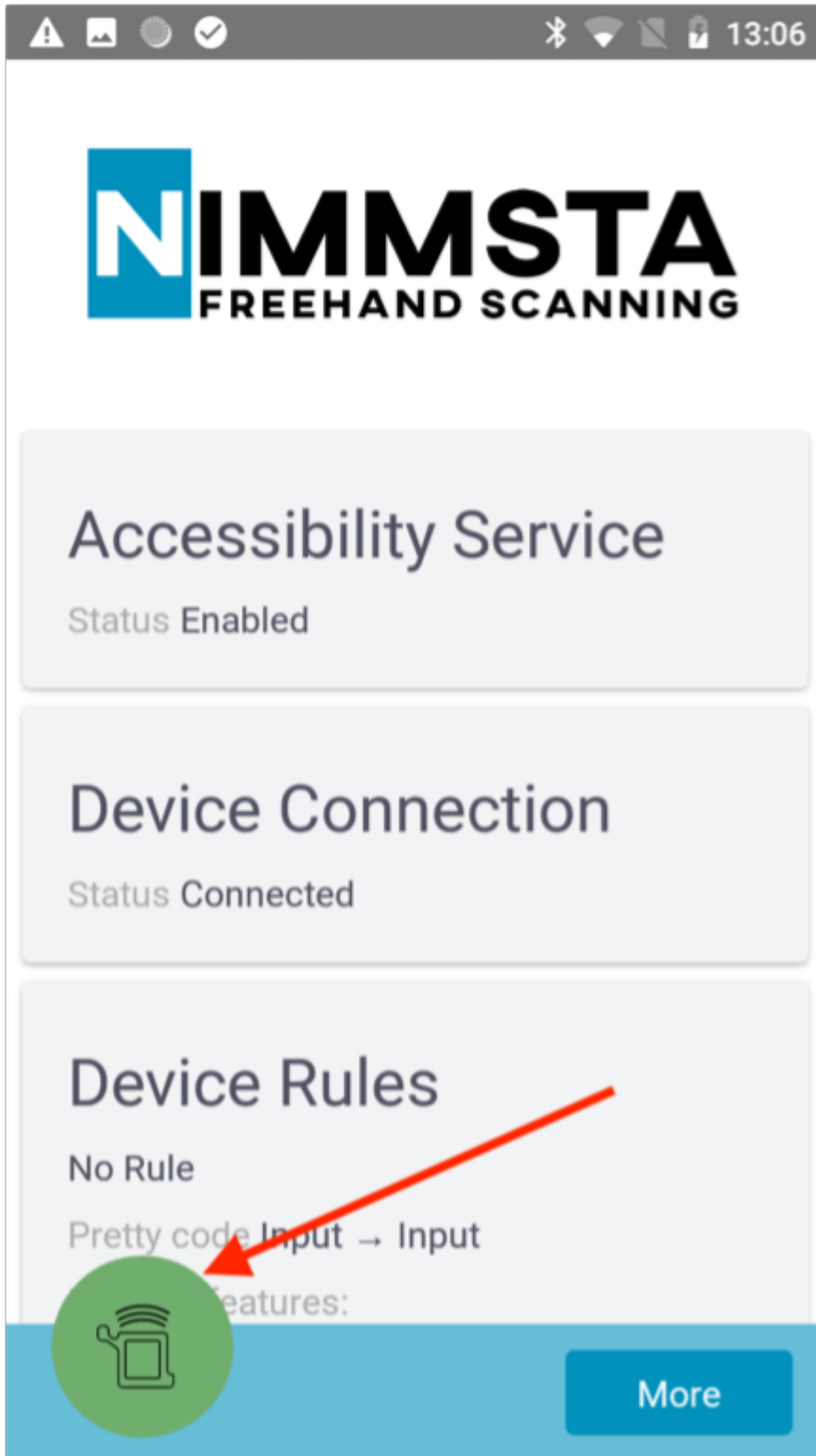
Select Software Upgrade
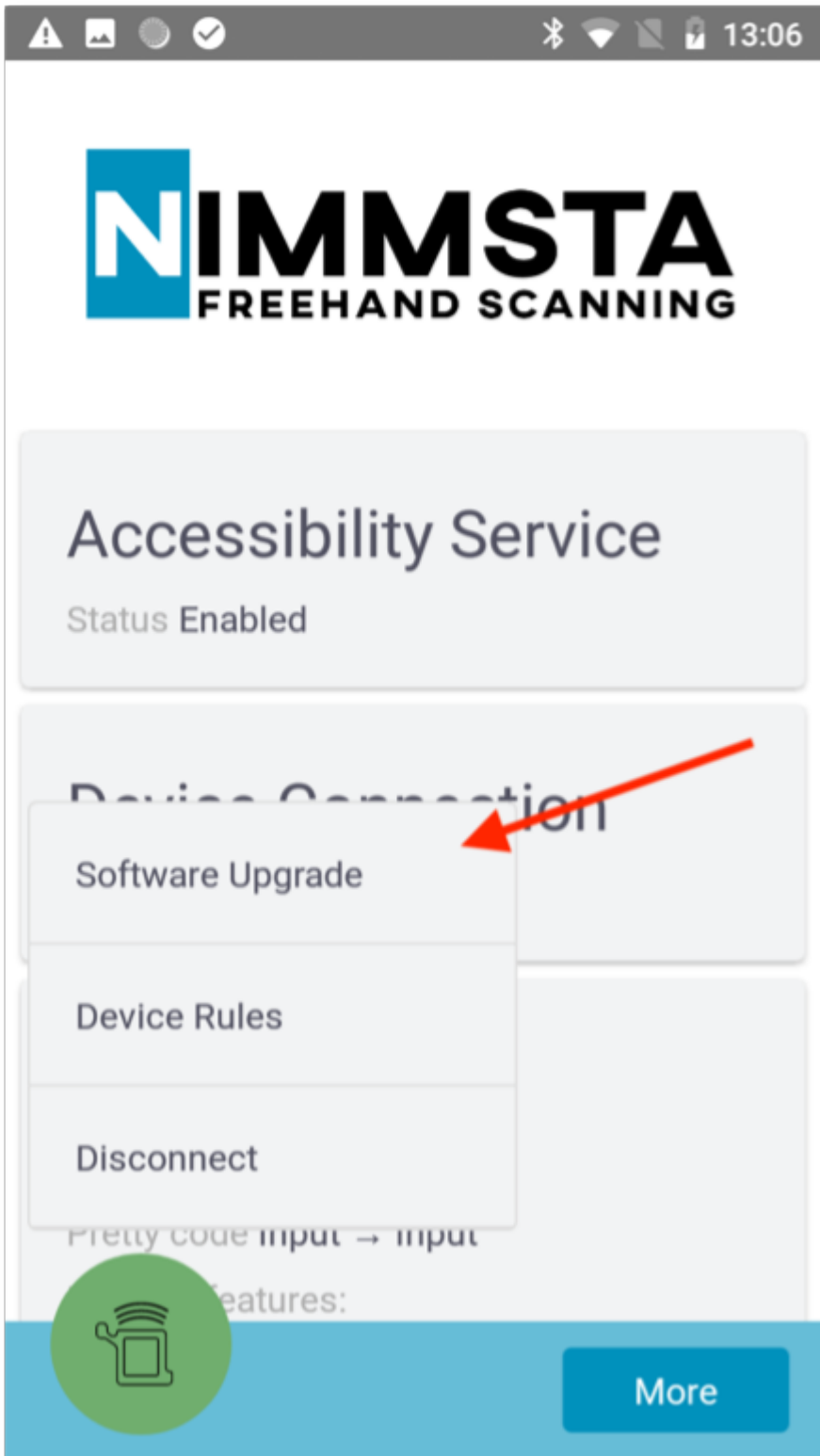
Use NIMMSTA APP V6 or newer, select the NIMMSTA HS50 to be updated

Devices

Select a device to update

Connected

Address:

D5:DD:9A:BF:4A:D2

Cancel

Update this device

Select the update file and then start the upgrade process
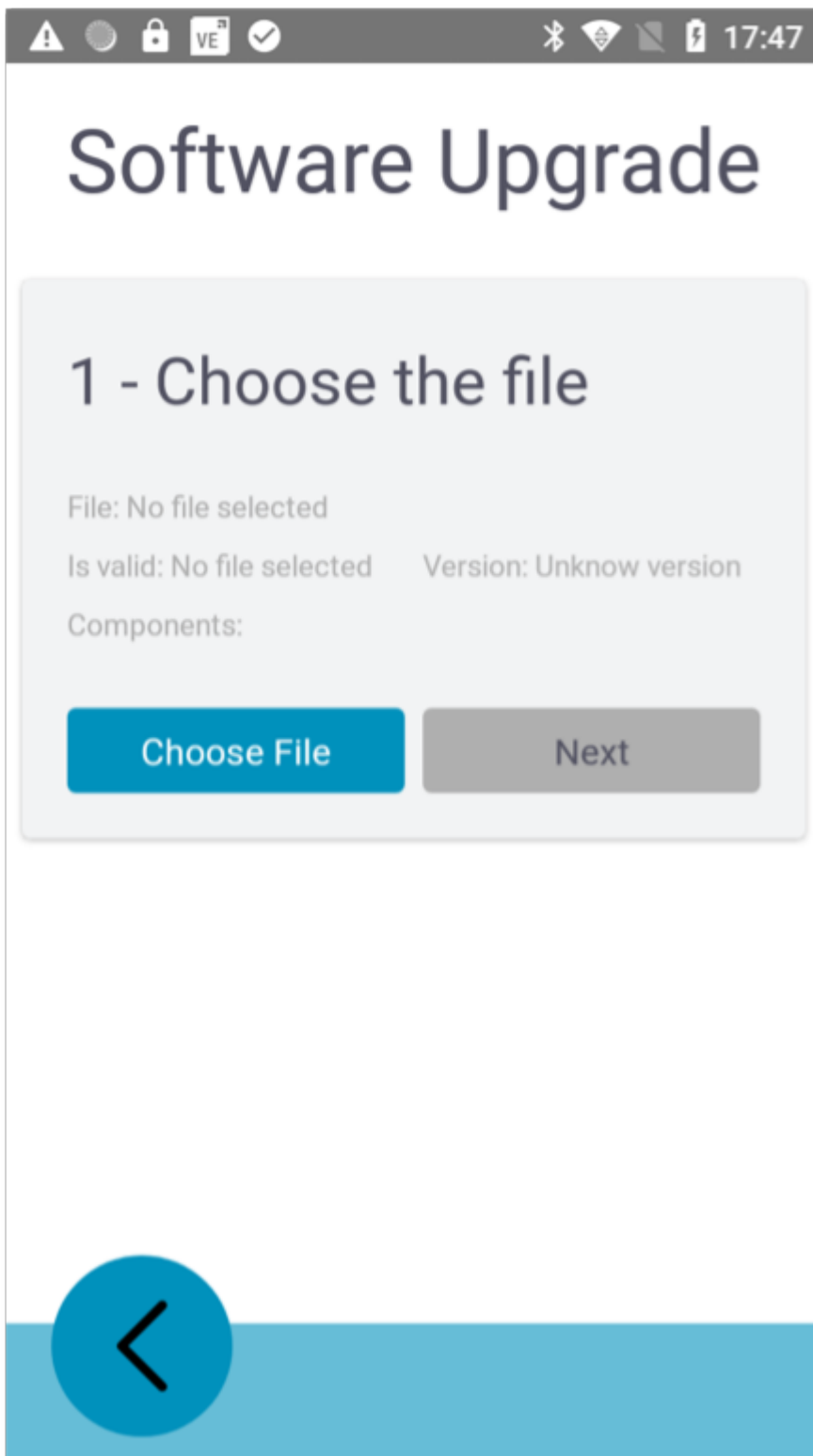
A preselection of the upgrade artifacts to be transferred is made by the app. You can adjust this if necessary.
The app guides you through the correct update sequence when updating from firmware bundle V4 to V5!
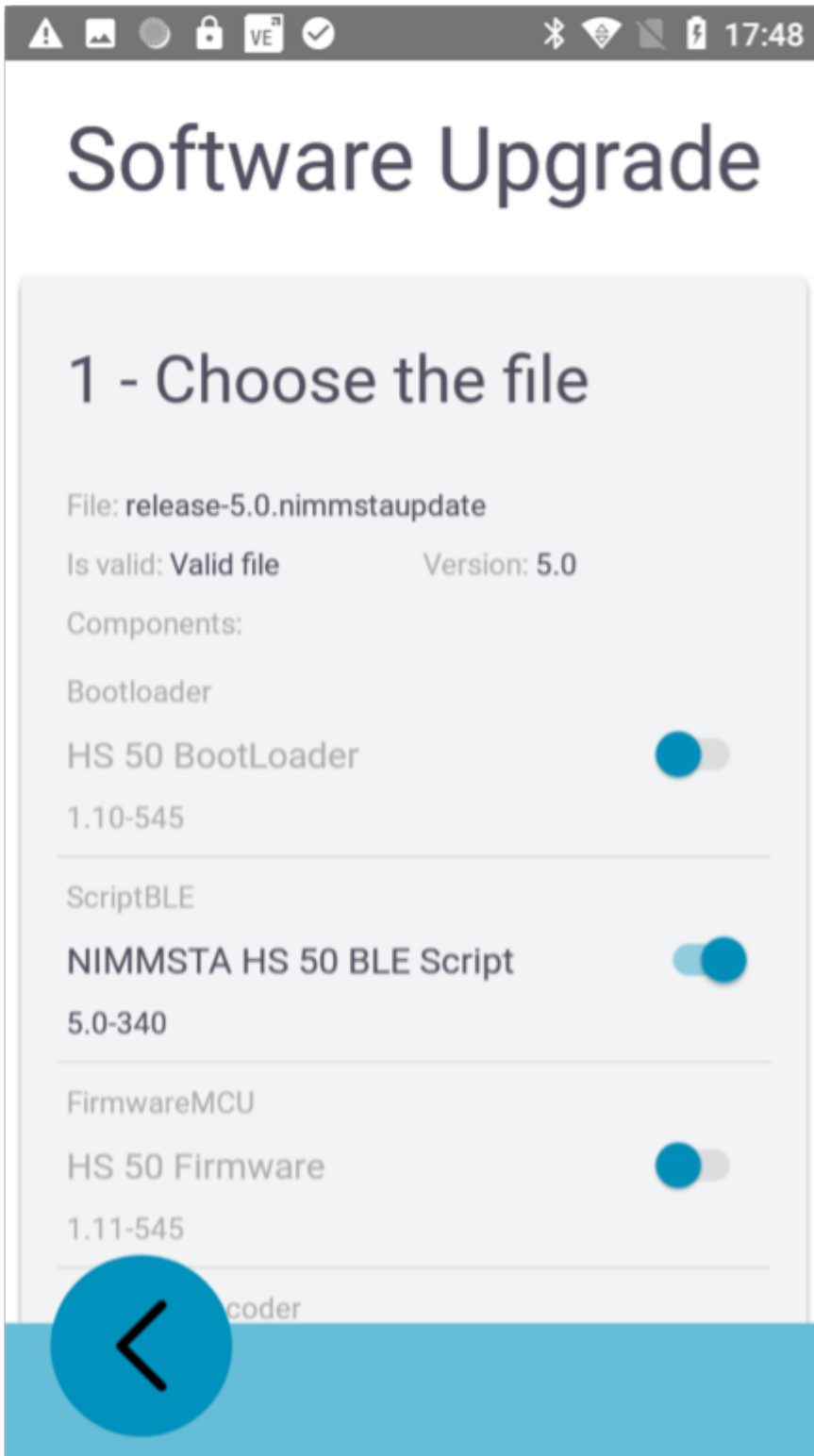
After confirming the upgrade artifacts with Next, you will get an overview below and can start the upgrade process.
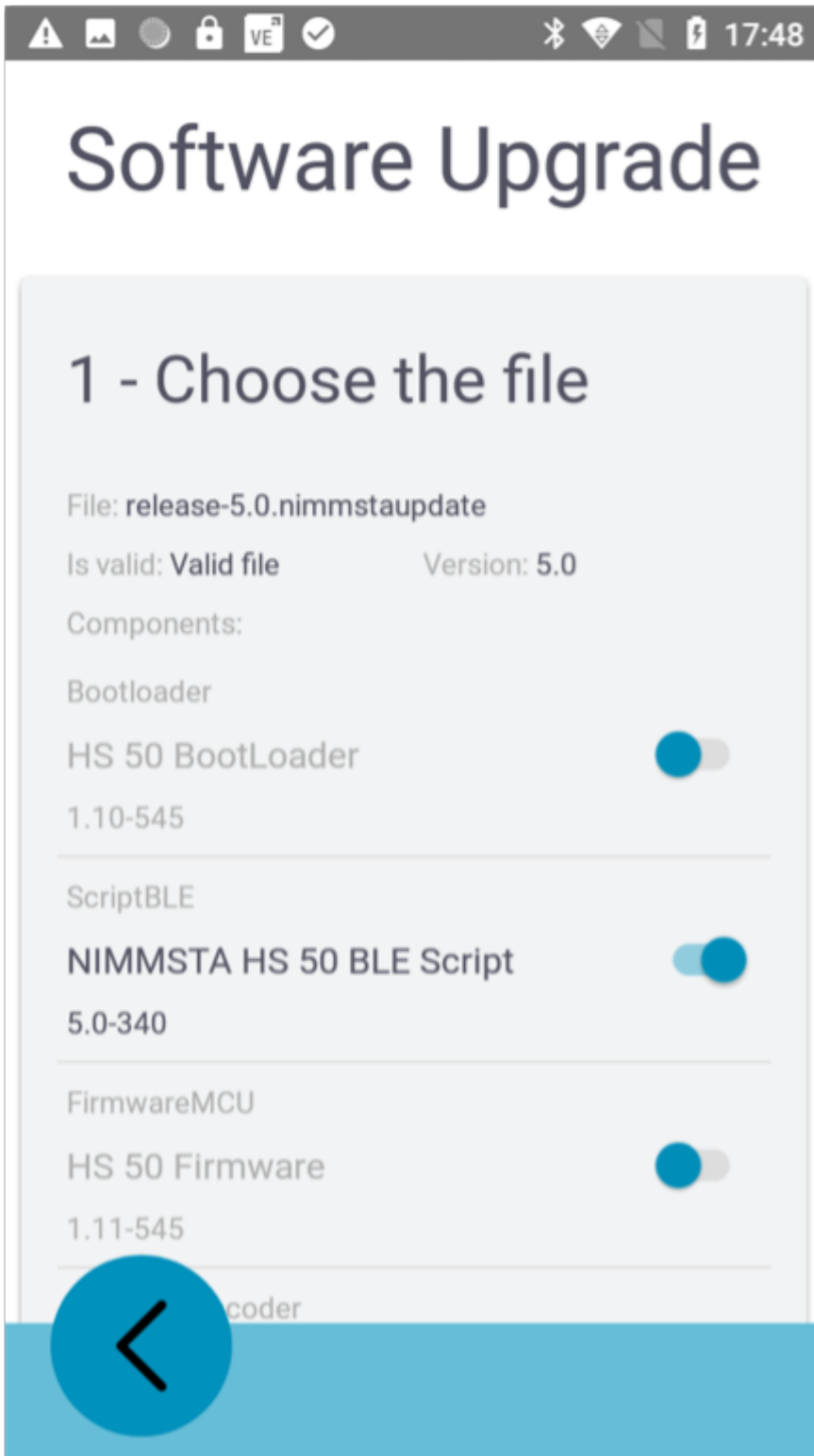
While the update is being transferred, the NIMMSTA App can be minimized and work with the Smart Watch HS 50 can continue as usual. When the transfer is complete, the connection to the Smart Watch HS 50 must be interrupted for the upgrade to be installed. A corresponding button is displayed in the NIMMSTA APP after successful transfer.
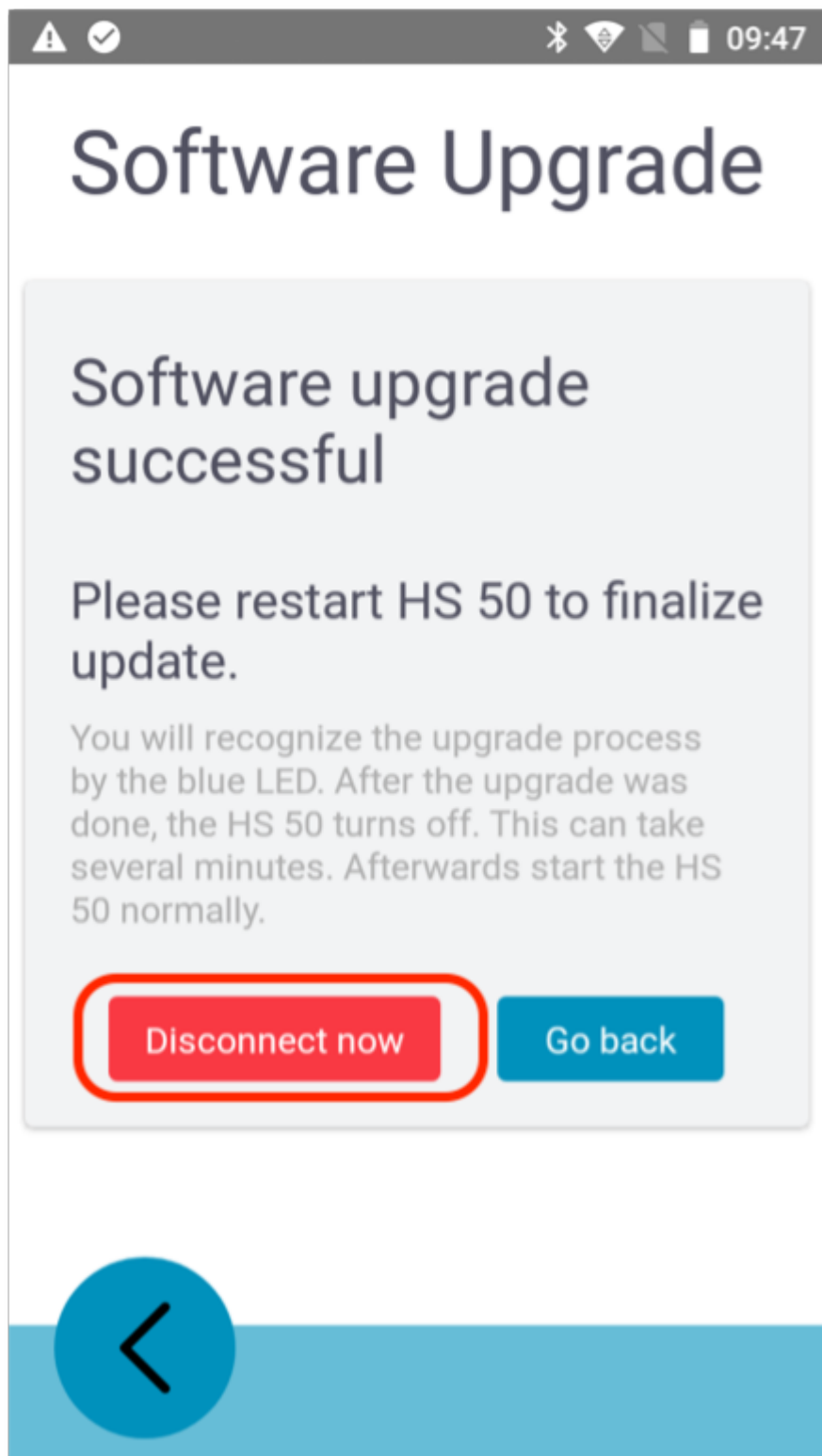
Using Multi Device Connection

From the NIMMSTA APP version V6 (Android & Windows) you have the possibility to connect up to six Smart Watches HS 50 at the same time with one end device. This is called Multi Device Connection.

Enable/disable Multi Device Connection

Select More -> Device Settings -> Multi Device Connection to turn the option on or off.

Device Settings

Multi device connection

When enabled, the app will allow you to work with multiple devices at the same time.

Multi device

Shut off during charging

With the option "shut off" the NIMMSTA HS 50 is shut off automatically when placing on a charging pad.

Shut off during charging

Reserved Devices

If you have connected a NIMMSTA HS50 with Multi Device Connection enabled, a connection slot is reserved for this device. This restores the connection in case of a connection loss. If you want to clear the list of reserved device, select Devices -> View All -> Clear Reserved

Ping devices

Clear reserved

Disconnect devices

More

Ping devices

To be able to identify a device, you can ping it. To do this, select the NIMMSTA HS50 to be pinged from the list of devices under Devices -> View All -> Ping devices.

O O G ⚙   ⁂ ⲿ⬜ⲿ ▨ ⚡ 15:45

Select devices to ping

Connected

Address:

D5:DD:9A:BF:4A:D2
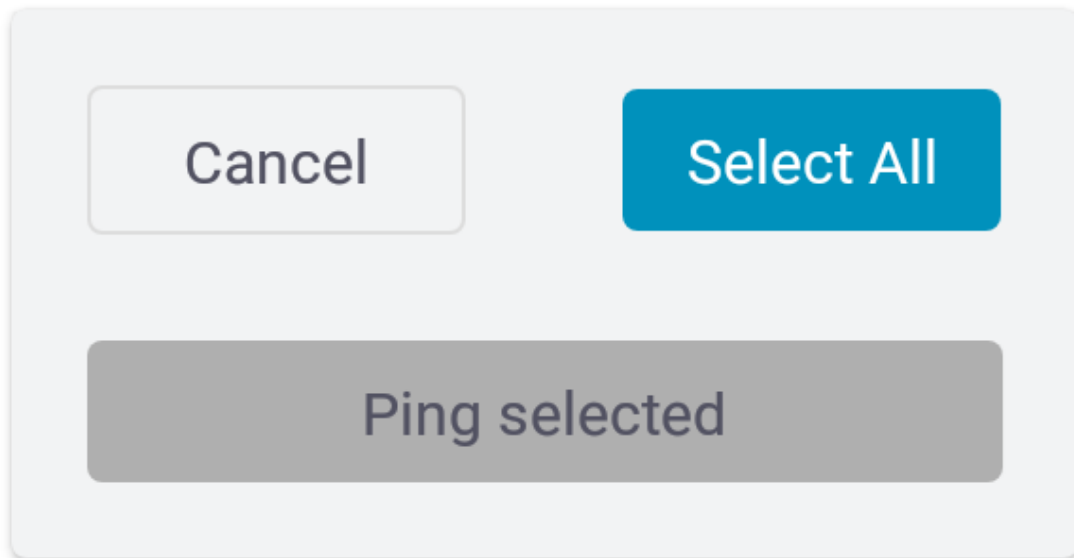
Create log file

NIMMSTA APP for Android

To create a log file, select More -> File Logs. The log file will then be created. Now you can either copy the generated file into the download directory (Download button), share the file (Share button) or copy the path to the generated file (Copy path button).

Logs

File path:

/storage/emulated/0/Android/
data/com.nimmsta/cache/
27-8.1.0-Datalogic-Datalogic-MEMOR
10.txt

Refresh

Copy file path to the clipboard **Copy path**

Share file to other apps **Share**

Copy file to your downloads folder **Download**

NIMMSTA APP for Windows

To create a log file, select More -> File Logs. You can either copy the log file to the download directory (Download button) or copy the path to the generated file (Copy path button).

Logs

N NIMMSTA

File path:

C:\Users\Arno\AppData\Local\Temp/NIMMSTA.log

Refresh

Copy file path to the clipboard

Copy path

Copy file to your downloads folder

Download

Technical data

Dimensions
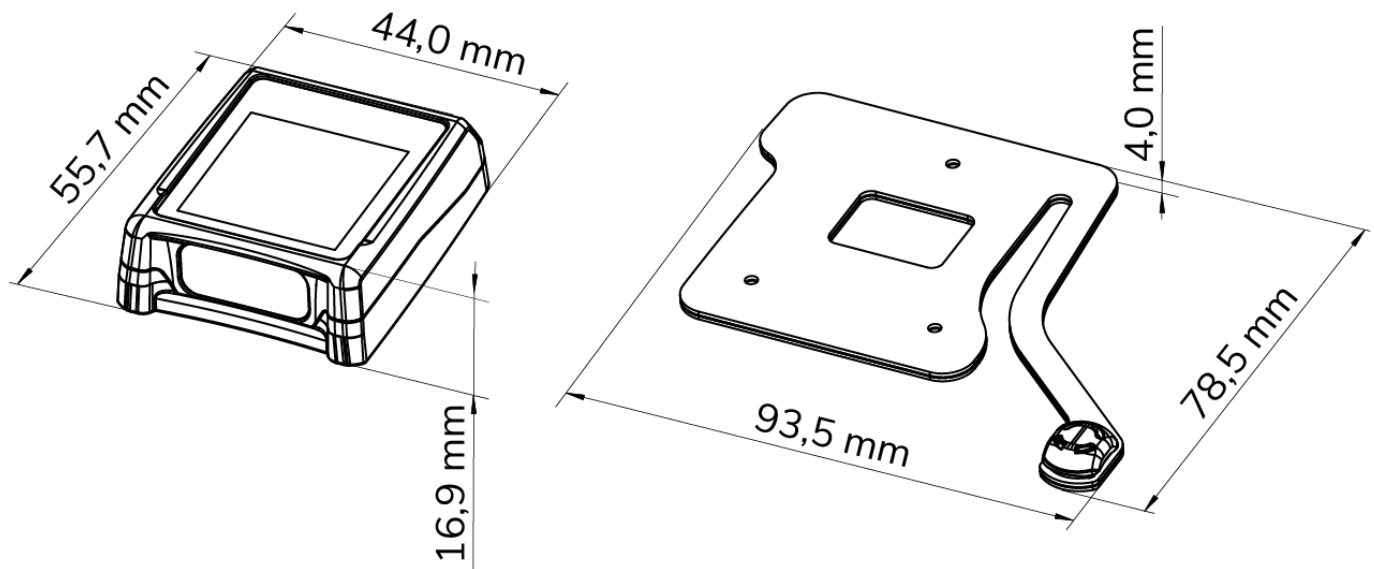
	Smart Watch HS 50	**TRIGGER PAD**
Length x width x height	44,0 x 55,7 x 16,9 mm	93,5 x 78,5 x 4,0 mm

Weight

Weight Smart Watch HS 50	45 g
Weight Smart Watch HS 50 & TRIGGER PAD	52 g

User environment

Operating temperature	0°C to +50°C
Operating temperature during charging	0°C to +40°C
Humidity	5 % - 95 %, non condensing
Drop resistance	500 falls from 100 cm on steel
Protection class	IP 65
Speaker volume	85 dB(A) at a distance of 10 cm

Touch display

Display	Active matrix electrophoretic display
Screen diagonal	1,54"

Resolution	200 × 200 Pixel
Active area	27,0 x 27,0 mm
Operating principle	Capacitive touch

Connectivity

Supported Bluetooth Low Energy versions	4.2, 5.0, 5.1
Range	100 m free field
Range at Bluetooth 5 long range (coded PHY)	325 m open field
Android and Windows	Internal BT solution is supported

Battery

Capacity	≥400 mAh, Lithium polymer
Loading time	2 h
Quick charge function (0 - 80 %)	42 Min.
Runtime	18 h or up to 6000 scan cycles
Battery lifetime	At least 80% of capacity after 500 charging cycles

Imager information

Sensor resolution	1280 x 960 pixels
SR field of view	Horizontal: 48°, Vertical: 36,7°
MR field of view	Horizontal: 31°, Vertical: 23°
Skew angle tolerance	±60°
Slope tolerance	±60°
Rotation tolerance	360°
Target LED	655 nm Laser
Illuminance	Max. 96,900 lux
Laser class	Laser class 2

Coverage

If the size of the code is given in "mil", it is "milli-inch", i.e. 0.0254 mm.
The specification always refers to the smallest element of the code.

Example 100 mil code 39:
The smallest element in the barcode (black bar or white area) is 100 x 0.0254 mm = 2.54 mm wide.
A barcode of this size can be read at a maximum distance of 436.9 cm according to the table below.

SR

Code	Minimum distance	Maximum distance
3 mil Code 39	2,8" / 7,1 cm	6,2" / 15,8 cm
5 mil Code 128	2,3" / 5,8 cm	8,7" / 22,1 cm
5 mil PDF417	3,0" / 7,6 cm	8,1" / 20,6 cm
6,67 mil PDF417	2,2" / 5,6 cm	10,6" / 26,9 cm
10 mil DataMatrix	2,4" / 6,1 cm	10,6" / 26,9 cm
100 % UPCA	1,6" / 4,1 cm	23,0" / 58,4 cm
15 mil Code 128	2,4" / 6,1 cm	25,2" / 64,0 cm
20 mil Code 39	1,6" / 4,1 cm	36,3" / 92,2 cm

MR

Code	Minimum distance	Maximum distance
5 mil Code 128	7,4" / 18,8 cm	16,0" / 40,6 cm
5 mil PDF417	8,1" / 20,6 cm	13,1" / 33,3 cm
7,5 mil DataMatrix	8,3" / 21,1 cm	12,8" / 32,5 cm
10 mil DataMatrix	7,0" / 17,8 cm	17,0" / 43,2 cm
100 % UPCA	2,3" / 5,8 cm	38,0" / 96,5 cm
15 mil Code 128	4,0" / 10,2 cm	40,0" / 101,7 cm
20 mil Code 39	2,1" / 5,3 cm	54,0" / 137,2 cm
100 mil Code 39	11,0" / 27,9 cm	172,0" / 436,9 cm
160 mil DataMatrix	11,5" / 29,2 cm	138,0" / 350,5 cm

Maintenance and Cleaning

The devices of the Smart Watch HS 50 series can be operated maintenance-free.

Cleaning the touchscreen

To clean the touchscreen, use a soft, damp cloth, plus some soap or window cleaner.

Do not use cleaning agents containing acids, sulfur or ammonia for cleaning.
Do not use agents or cloths with abrasive or scratching properties.
Do not use aggressive industrial cleaners.
The product may not be cleaned with compressed air or a high-pressure cleaner.

Cleaning the Smart Watch HS 50

The electrical components of the Smart Watch HS 50 are protected against the ingress of dust and water with protection class IP 65. For cleaning, it is best to use window cleaning agent and a soft cloth.

Cleaning the cuff

The cuff can be washed. Please follow the instructions printed on the cuff. The fiber content used can also be taken from the printed instructions on the cuff.

For hygienic reasons, the cuff should be cleaned every 4 weeks.

Replace internal battery

The internal battery loses power over time. If the capacity is no longer sufficient for smooth operation, the battery must be replaced by NIMMSTA. Use our NIMMSTA Care&Repair service for this, which can be requested via the B2B portal.

TRIGGER PAD change - operation for left-handed use or CLIP PAD

To use the Smart Watch HS 50 on the other hand or with the CLIP PAD, the following steps must be performed:

1. Loosen the screw connection of the pad on the Smart Watch HS 50 with a TORX T6 pin wrench.
2. Remove the pad.
3. Place the shims in the round opening in the hook band.
4. Screw the new pad to the Smart Watch HS 50 The prescribed tightening torque is 0.30 Nm.
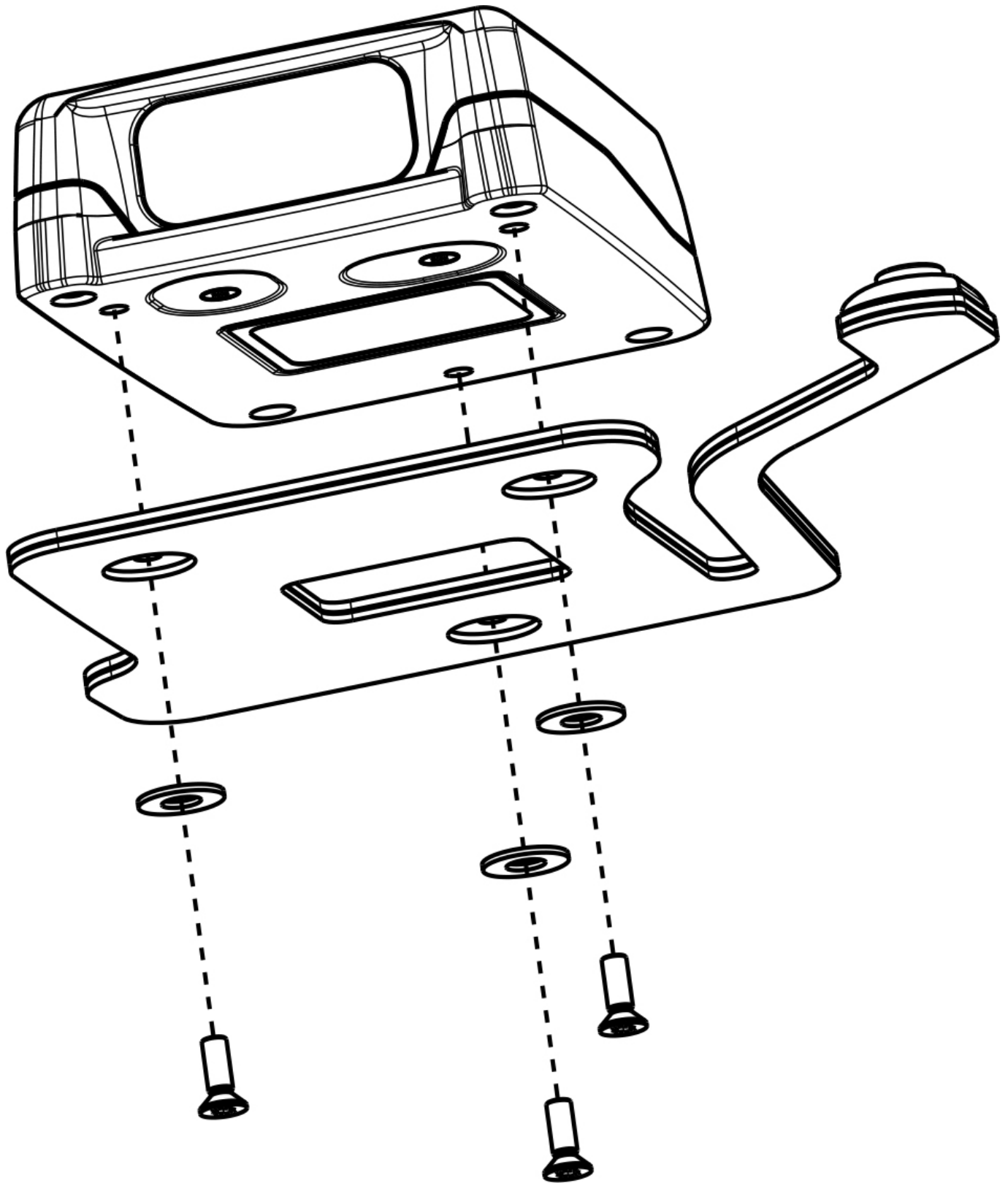
Functional impairment due to washers not being inserted!
Check whether the washers are inserted between the screw and the pad. If they are missing, open the screw connection and insert some.

Troubleshooting

Smart Watch HS 50

In case of errors of the Smart Watch HS 50, it can be reset by a hard reset. The procedure is described in the section "Operation and displays".

Error / malfunction	Possible causes	Solution
Scanner does not respond to input	Device error	Hard Reset
Scanner does not respond to input	Screws on pad loose	Retighten screws (0.30 Nm)
Scanner does not respond to input	Pad defective	Change pad
Scanner does not respond to input	Smart Watch HS 50 is discharged	Place on charging station
Loading does not work	Defective charging station	Check charging station and replace if necessary
No connection establishment	Connection failure	Hard Reset
No connection establishment	No active Bluetooth connection in the target device	Activate Bluetooth connection
Decoder board settings out of date	FW update incomplete	Perform another FW update and ensure that the decoder board settings are activated

Windows

Windows 11 Editor Bug

With the Windows 11 operating system, an error can occur with the "Editor" program. The barcode is only partially taken over in the editor.
Solution: Manually click Enter on the keyboard. The complete barcode is then written to the editor afterwards.

Android

App restart with Android

1. Open "Android Settings"
2. Open the "Apps" menu item
3. Search and open "NIMMSTA"
4. Click "Force Exit" or "Force Stop"
5. Back to the home screen
6. Open "NIMMSTA-App"
7. Now the Accessibility Service must be activated again
8. Ready for use again

Disposal instructions

Notes on the disposal of electrical and electronic equipment

According to the law on the marketing, return and environmentally sound disposal of electrical and electronic equipment (ElektroG), electrical and electronic equipment may not be disposed of with household waste. Return the product purchased from your sales partner to us after use.

Attachment

Spare parts & consumables

Order the items through your solution partner.

NIMMSTA Item number	Description
500011	SMART WATCH HS 50 SR - Basic module
500021	SMART WATCH HS 50 MR - Basic module
520610	CUFF S Right - Set of 5
520612	CUFF M Right - Set of 5
520614	CUFF L Right - Set of 5
520616	CUFF XL Right - Set of 5
520620	CUFF S Left - Set of 5
520622	CUFF M Left - Set of 5
520624	CUFF L Left - Set of 5
520626	CUFF XL Left - Set of 5
520600	CUFF Bundle right/left S-XL - Set of 8
520344	CLIP PAD - Set of 3
520312	TRIGGER PAD Right - Set of 3
520322	TRIGGER PAD Left - Set of 3
520920	SMART WATCH Screen Protector
520904	T6 torx wrench - Set of 10
520905	M3 washer, DIN 125, A2 / 100 pieces
520906	M2x6 countersunk screw A4 / 100 pieces

Service

If problems occur during use of the Smart Watch HS 50 that cannot be dealt with by troubleshooting, please contact your sales partner.

Have the following information ready:

- Smart Watch HS 50 serial number & firmware version
- Operating system and app version

The information for serial number and currently installed firmware version is displayed in the service screen of the Smart Watch HS 50.
The display of the service screen is described in the section "Operation and displays" under the heading "Calling the service screen".
The display of the app version is described in the section "NIMMSTA App".

List of barcodes enabled on delivery

Parameter programming of the decoder board by scanning corresponding barcodes is disabled. Decoder board settings can be made via the B2B portal.
The Smart Watch HS 50 is configured on delivery so that the barcodes listed in the table can be read.

Aztec	
Aztec	enabled
Chinese 2 of 5	
Chinese 2 of 5	enabled
Codabar	
Codabar	enabled
Code 11	
Code 11	enabled
Code 128	
Code 128	enabled
ISBT 128	enabled
GS1-128	enabled
Code 39	
Code 39	enabled
Trioptic Code39	enabled
Code93	
Code 93	enabled
DataMatrix	
DataMatrix	enabled

Aztec

Discrete 2 of 5

Discrete 2 of 5	enabled

DotCode

DotCode	disabled

GS1 Databar

GS1 Databar-14	enabled
GS1 Databar Limited	enabled
GS1 Databar Expanded	enabled

Han Xin

Han Xin Code	enabled

Interleaved 2 of 5

Interleaved 2 of 5	enabled
Febreban	enabled

Korean 3 of 5

Korean 3 of 5	enabled

Matrix 2 of 5

Matrix 2 of 5	enabled

MaxiCode

MaxiCode	enabled

MSI

MSI	enabled

PDF-417

PDF417	enabled
MicroPDF417	enabled

Postal

US Postnet	enabled

Aztec	
US Planet	enabled
UK Postal	enabled
Japan Postal	enabled
Australian Postal	enabled
USPS 4CB/One Code/Intelligent Mail	enabled
Netherlands KIX	enabled
UPU FICS	enabled
Mailmark	enabled

QR	
GS1-QR Code	enabled
MicroQR	enabled

UPC EAN	
UPC-A	enabled
UPC-E	enabled
UPC-E1	enabled
EAN-13/JAN13	enabled
EAN-8/JAN8	enabled
Bookland EAN	enabled
UCC Coupon Code	enabled

Legal_Notes

You can find the licensing information in the respective apps under the menu item "About the app -> Show licenses".

Security

Electromagnetic compatibility	DIN EN 55022; VDE 0878-22:2011-12 DIN EN 55024:2010 + A1:2015 DIN EN 61000-4-8 DIN EN 61000-4-3 DIN EN 61000-4-2
Environment	DIN EN IEC 63000:2018

EU Declaration of Conformity

The full text of the EU Declaration of Conformity is available at the following Internet address:

[EU Declaration of Conformity](#)

FCC Regulatory

Model	US/FCC
453-00039	SQGBL653
453-00041	SQGBL653

The 453-00039 and the 453-00041 hold full modular approvals. The OEM must follow the regulatory guidelines and warnings listed below to inherit the modular approval.

Part #	Form Factor	Tx Outputs	Antenna
453-00039	Surface Mount	8 dBm	PCB Trace
453-00041	Surface Mount	8 dBm	IPEX MHF4

Antenna Information

The BL653 family has been designed to operate with the antennas listed below with a maximum gain of 2 dBi. The required antenna impedance is 50 ohms.

Manufacturer	Model	Laird Connectivity Part Number	Type	Connector	Peak Gain 2400-2500 MHz	Peak Gain 2400-2480 MHz
Laird Connectivity	NanoBlue***	EBL2400A1-10MH4L	PCB Dipole	IPEX MHF4	2 dBi	-
Laird Connectivity	FlexPIFA2***	001-0022	PIFA	IPEX MHF4	-	2 dBi
Mag.Layers	EDA-8709-2G4C1-B27-CY***	0600-00057	Dipole	IPEX MHF4	2 dBi	-
Laird Connectivity	mFlexPIFA***	EFA2400A3S-10MH4L	PIFA	IPEX MHF4	-	2 dBl
Laird Connectivity	Laird Connectivity NFC***	0600-00061	NFC	N/A	-	-
Laird Connectivity	BL653 PCB printed antenna**	NA	Printed PCB	N/A	1.28 dBi	-

** BL653 PCB printed antenna is only certified for BL653 part number 453-00039.

*** The OEM is free to choose another vendor's antenna of like type and equal or lesser gain as an antenna appearing in the table and still maintain compliance. Reference FCC Part 15.204(c)(4) for further information on this topic.

To reduce potential radio interference to other users, the antenna type and gain should be chosen so that the equivalent isotropic radiated power (EIRP) is not more than that permitted for successful communication.

FCC Documentation Requirements

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in an installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference; and
2. This device must accept any interference received, including interference that may cause undesired operation.

FFC Radiation Exposure Statement

This product complies with the US portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. Further RF exposure reduction can be achieved if the product is kept as far as possible from the user body or is set to a lower output power if such function is available.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This device is intended only for OEM integrators under the following condition:

1. The transmitter module may not be co-located with any other transmitter or antenna,

If the condition above is met, further transmitter testing is not required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this installed module.

IMPORTANT NOTE: If this condition cannot be met (for example, certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID **cannot** be used on the final product. In these circumstances, the OEM integrator is responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End-Product Labeling

The end product must be labeled in a visible area with the following: **Contains FCC ID: SQGBL653**

Manual Information to the End User

The OEM integrator must be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

ISED (CANADA) STATEMENT

Model	ISED Canada

Model	ISED Canada
453-00039	3147A-BL653
453-00041	3147A-BL653

Antenna Information

This radio transmitter (IC: 3147A-BL653) has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Le présent émetteur radio (IC: 3147A-BL653) a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

Manufacturer	Model	Laird Part Number	Type	Connector	2400-2500 MHz	2400-2480 MHz
Laird	NanoBlue	EBL2400A1-10MH4L	PCB Dipole	IPEX MHF4	2 dBi	
Laird	FlexPIFA	001-0022	PIFA	IPEX MHF4		2 dBi
Mag. Layers	EDA-8709-2G4C1-B27-CY	0600-00057	Dipole	IPEX MHF4	2 dBi	
Laird	mFlexPIFA	EFA2400A3S-10MH4L	PIFA	IPEX MHF4		2 dBi
Laird	Laird NFC	0600-00061	NFC	N/A		
Laird	BL653-SA PCB printed antenna**	N/A	Printed PCB	N/A	1.28 dBi	

** BL653 PCB printed antenna is only certified for BL653 part number 453-00039.

ISED Canada Statement

The end user manual shall include all required regulatory information/warning as shown in this manual.

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. *l'appareil ne doit pas produire de brouillage;*
2. *l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

Radiation Exposure Statement

The product complies with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The minimum separation distance for portable use is limited to 15mm assuming use of antenna with 2 dBi of gain. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Déclaration d'exposition aux radiations:

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé. La distance de séparation minimale pour l'utilisation portative est limitée à 15mm en supposant l'utilisation de l'antenne avec 2 dBi de gain. Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

This device is intended only for OEM integrators under the following conditions:

1. The transmitter module may not be co-located with any other transmitter or antenna.

If the condition above is met, further transmitter testing is not required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

Cet appareil est conçu uniquement pour les intégrateurs OEM dans les conditions suivantes:

1. *Le module émetteur peut ne pas être coïmplanté avec un autre émetteur ou antenne.*

Tant que les 1 condition ci-dessus sont remplies, des essais supplémentaires sur l'émetteur ne seront pas nécessaires. Toutefois, l'intégrateur OEM est toujours responsable des essais sur son produit final pour toutes exigences de conformité supplémentaires requis pour ce module installé.

IMPORTANT NOTE: If this condition cannot be met (for example, certain laptop configurations or co-location with another transmitter), then the Canada authorization is no longer considered valid and the IC ID **cannot** be used on the final product. In these circumstances, the OEM integrator is responsible for re-evaluating the end product (including the transmitter) and obtaining a separate Canada authorization.

NOTE IMPORTANTE: Dans le cas où ces conditions ne peuvent être satisfaites (par exemple pour certaines configurations d'ordinateur portable ou de certaines co-localisation avec un autre émetteur), l'autorisation du Canada n'est plus considéré comme valide et l'ID IC ne peut pas être utilisé sur le produit final. Dans ces

circonstances, l'intégrateur OEM sera chargé de réévaluer le produit final (y compris l'émetteur) et l'obtention d'une autorisation distincte au Canada.

End-Product Labeling

The final end product must be labeled in a visible area with the following: **Contains IC: 3147A-BL653**

Plaque signalétique du produit final

Le produit final doit être étiqueté dans un endroit visible avec l'inscription suivante: **Contient des IC: 3147A-BL653**

Manual Information to the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user's manual of the end product which integrates this module.

The end user manual shall include all required regulatory information/warning as show in this manual.

Manuel d'information à l'utilisateur final

L'intégrateur OEM doit être conscient de ne pas fournir des informations à l'utilisateur final quant à la façon d'installer ou de supprimer ce module RF dans le manuel de l'utilisateur du produit final qui intègre ce module. Le manuel de l'utilisateur final doit inclure toutes les informations réglementaires requises et avertissements comme indiqué dans ce manuel.

ISED ICES-003 Issue 7 Compliance Declaration

This device was originally tested to the requirements of ICES-003 Issue 6, Information Technology Equipment (Including Digital Apparatus) — Limits and Methods of Measurement; and evaluated to the updates published in ICES-003, Issue 7, Information Technology Equipment (Including Digital Apparatus). Based on this evaluation, this product continues to observe compliance to the requirements set forth by The Innovation, Science and Economic Development Canada (ISED), and complies with the updates published in ICES-003, Issue 7, Information Technology Equipment (Including Digital Apparatus).

RED Richtlinie

This device complies with the essential requirements of the 2014/53/EU – Radio Equipment Directive (RED). The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the 2014/53/EU – Radio Equipment Directive (RED):

- **EN 62368-1:2014/A11:2017**

  Safety requirements for audio/video, information, and technology equipment

- **EN 300 328 v2.2.2 (2019-07)**

  Electromagnetic compatibility and Radio Spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum

modulation techniques;
Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

- **EN 62311:2008 | EN 50665:2017 | EN 50385:2017**

  RF exposure

- **EN 301 489-1 v2.2.0 (2017-03)**

  Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

- **EN 301 489-17 V3.2.0 (2017-03)**

  Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

- **EU 2015/863 (RoHS 3)**

  Declaration of Compliance – EU Directive 2015/863; Reduction of Hazardous Substances (RoHS)

This device is a 2.4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries.

български [Bulgarian]	С настоящото NIMMSTA GmbH декларира, че този тип радиосъо ръжение Smart Watch HS 50 е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: ЕС ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ
Hrvatski [Croatian]	NIMMSTA GmbH ovime izjavljuje da je radijska oprema tipa Smart Watch HS 50 u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: EU IZJAVA O SUKLADNOSTI
Česky [Czech]	Tímto NIMMSTA GmbH prohlašuje, že typ rádiového zařízení Smart Watch HS 50 je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: EU PROHLÁŠENÍ O SHODĚ
Dansk [Danish]	Hermed erklærer NIMMSTA GmbH, at radioudstyrstypen Smart Watch HS 50 er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internet adresse: EU-OVERENSSTEMMELSESERKLÆRING
Deutsch [German]	Hiermit erklärt NIMMSTA GmbH, dass der Funkanlagentyp Smart Watch HS 50 der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: EU-KONFORMITÄTSERKLÄRUNG

Eesti [Estonian]	Käesolevaga deklareerib NIMMSTA GmbH, et käesolev raadioseadme tüüp Smart Watch HS 50 vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaa dressil: ELI VASTAVUSDEKLARATSIOON
English [English]	Hereby, NIMMSTA GmbH declares that the radio equipment type Smart Watch HS 50 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: EU DECLARATION OF CONFORMITY
Español [Spanish]	Por la presente, NIMMSTA GmbH declara que el tipo de equipo radioeléc trico Smart Watch HS 50 es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: DECLARACIÓN UE DE CONFORMIDAD
Ελληνική [Greek]	Με την παρούσα ο/η NIMMSTA GmbH, δηλώνει ότι ο ραδιοεξοπλι σμός Smart Watch HS 50 πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ
Français [French]	Le soussigné, NIMMSTA GmbH, déclare que l'équipement radioélectrique du type Smart Watch HS 50 est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: DECLARATION UE DE CONFORMITE
Íslenska [Icelandic]	Hér með lýsir NIMMSTA GmbH því yfir að gerð fjarskiptatækis Smart Watch HS 50 sé í samræmi við tilskipun 2014/53/ESB. Fullan texta ESB-samræmisyfirlýsingarinnar er að finna á eftirfarandi vefslóð: ESB SAMKVÆMIYFIRLÝSING
Italiano [Italian]	Il fabbricante, NIMMSTA GmbH, dichiara che il tipo di apparecchiatura radio Smart Watch HS 50 è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: DICHIARAZIONE DI CONFORMITÀ UE
Latviešu valoda [Latvian]	Ar šo NIMMSTA GmbH deklarē, ka radioiekārta Smart Watch HS 50 atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: ES ATBILSTĪBAS DEKLARĀCIJA
Lietuvių kalba [Lithuanian]	Aš, NIMMSTA GmbH, patvirtinu, kad radijo įrenginių tipas Smart Watch HS 50 atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: ES ATITIKTIES DEKLARACIJA
Nederlands [Dutch]	Hierbij verklaar ik, NIMMSTA GmbH, dat het type radioapparatuur Smart Watch HS 50 conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: EU-CONFORMITEITSVERKLARING

Malti [Maltese]	B'dan, NIMMSTA GmbH, niddikjara li dan it-tip ta' tagħmir tar-radju Smart Watch HS 50 huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: DIKJARAZZJONI TA' KONFORMITÀ TAL-UE
Magyar [Hungarian]	NIMMSTA GmbH igazolja, hogy a Smart Watch HS 50 típusú rádióberen dezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: EU-MEGFELELŐSÉGI NYILATKOZAT
Norsk [Norwegian]	Herved erklærer NIMMSTA GmbH at radioutstyrstypen Smart Watch HS 50 er i samsvar med direktiv 2014/53/EU. Den fullstendige teksten til EU-samsvarserklæringen er tilgjengelig på følgende internettadresse: EU-ERKLÆRING OM SAMSVAR
Polski [Polish]	NIMMSTA GmbH niniejszym oświadcza, że typ urządzenia radiowego Smart Watch HS 50 jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: DEKLARACJA ZGODNOŚCI UE
Português [Portuguese]	O(a) abaixo assinado(a) NIMMSTA GmbH declara que o presente tipo de equipamento de rádio Smart Watch HS 50 está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: DECLARAÇÃO UE DE CONFORMIDADE
Română [Romanian]	Prin prezenta, NIMMSTA GmbH declară că tipul de echipamente radio Smart Watch HS 50 este în conformitate cu Directiva 2014/53/UE. Textul integral al declaraţiei UE de conformitate este disponibil la următoarea adresă internet: DECLARAŢIA UE DE CONFORMITATE
Slovenščina [Slovenian]	NIMMSTA GmbH potrjuje, da je tip radijske opreme Smart Watch HS 50 skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: IZJAVA EU O SKLADNOSTI E
Slovenčina [Slovak]	NIMMSTA GmbH týmto vyhlasuje, že rádiové zariadenie typu Smart Watch HS 50 je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: EÚ VYHLÁSENIE O ZHODE
Suomi [Finnish]	NIMMSTA GmbH vakuuttaa, että radiolaitetyyppi Smart Watch HS 50 on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraa vassa internetosoitteessa: EU-VAATIMUSTENMUKAISUUSVAKUUT US
Svenska [Swedish]	Härmed försäkrar NIMMSTA GmbH att denna typ av radioutrustning Smart Watch HS 50 överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: EU-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE