

iID®
software
tools



QuickStartGuide
iID® software tools

USB driver installation
reconfiguration of outdated USB interface

Introduction

This document briefly describes the steps necessary to install the microSensys USB device driver under Microsoft Windows. The procedure is explained for signed and unsigned drivers. Preparations for installing unsigned drivers are presented for the last three versions of Windows. In addition, in some cases it is possible to fit a microSensys USB device with a signed USB driver.

Further information on hardware, drivers and application software is available in separate documents. This document serves as a supplement to the hardware documentation, which nevertheless needs to be read carefully and in which some separate steps for your hardware may be listed.

Content

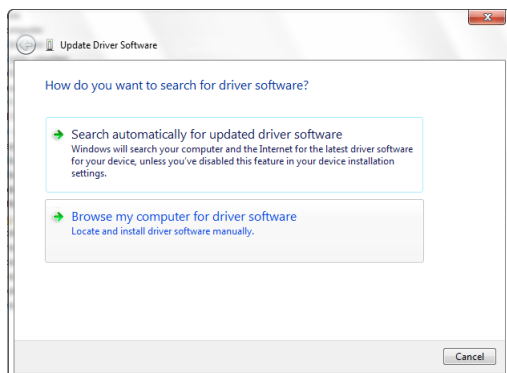
Introduction	2
Content	3
Automatic driver installation	4
Manual driver installation	5
Reconfiguration of outdated USB interface	7
Preparations for unsigned driver	8

Automatic driver installation

USB devices from microSensys provides automatic driver installation supplied via Windows Update since 2015 when an internet connection is available. When using older devices, it is necessary to install the USB driver manually, which is described in the next section.



Please first connect your microSensys RFID interface to the host PC, then your operating system will recognize a new device and the driver installation will start automatically. Normally for newer versions of Windows the process completes in the background, but for older versions extra steps described below may be needed.



In the following screen select the automatic search for updated driver software.



After successful installation, your USB device should be shown in the Device Manager as presented in the picture.

Manual driver installation

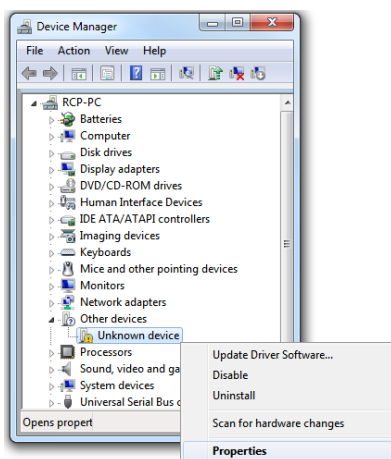
If the driver for the USB device is not installed automatically, you may need to provide the driver software manually. The needed files are available on the CD included in your product package, and for download under the following link:

www.microsensys.de/downloads/CDContent/USBDriver/

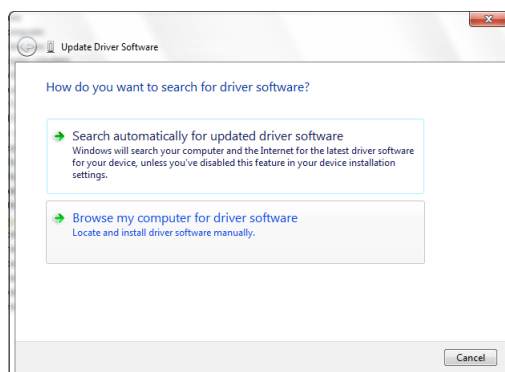
If you choose to download the files, please make sure to get the ZIP file and extract all files locally.



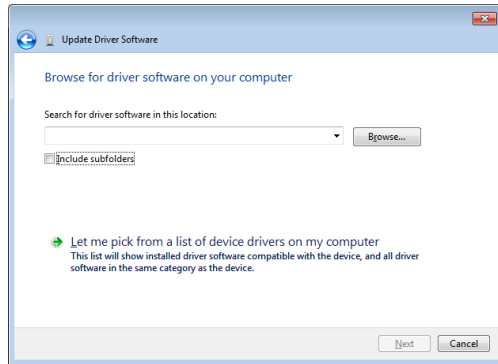
Please first connect your microsensys RFID interface to the host PC, then your operating system will recognize a new device and the driver installation will start automatically.



In case a device is recognized, but the driver installation does not start automatically, you can trigger it in the Device Manager. The device manager can be accessed via: **Windows logo + R** (Windows logo + R) and the command: **devmgmt.msc**. Right-click on the device you want to install and select **Update Driver Software**.



The question: "How do you want to search for driver software?" Answer with: "Browse my computer for driver software."



In the next step, you choose the path where the USB driver is located (top folder where INF files are located) and confirm with "Next". The 32-/64-bit driver for your device will be installed now automatically. Depending on your operating system the steps described on this page are performed up to two times, always using the same path.



After successful installation, your USB device should be shown in the Device Manager as presented in the picture.

Reconfiguration of outdated USB interface

Previously unsigned drivers from microsensys can be replaced by signed ones. This requires a reconfiguration of the USB interface of your RFID reader. The process must be performed in a system where the unsigned USB drivers are already installed, and the device is recognized. The individual steps are explained below. Dedicated document also available under the following link:

https://bit.ly/MssDocUsbReConfig_EN

Preparations

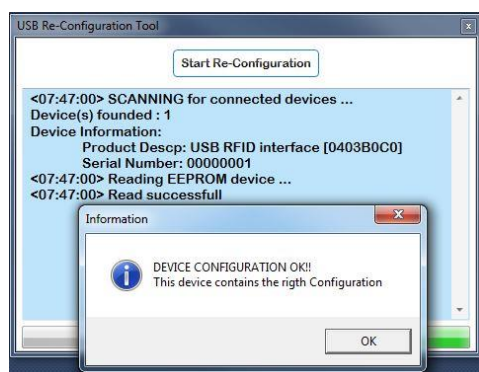
- Please download the USB Re-Configuration tool and the signed driver (WHQL compatible) from the following links:

<https://bit.ly/MssUsbReConfig>

<https://bit.ly/MssUsbDriver>

- Unzip both archive files
- Remove all devices connected via USB to your PC and plug in your microsensys USB device

Device Update Procedure



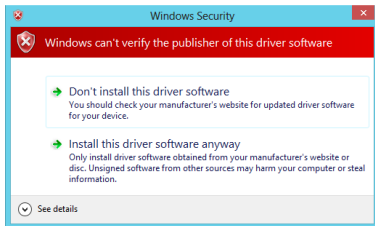
Execute the file USB Reconfiguration Tool.exe and follow the instructions. After successful program execution, you can apply either the automatic or manual driver installation from the previous chapters.

Troubleshoot: Unsigned USB drivers not available

Download the outdated non-WHQL compatible driver: https://bit.ly/MssUsbDriver_Unsigned

Preparations for unsigned drivers

If you are forced to use an unsigned driver, you must disable the driver signature enforcement of Windows. If you try to install a device driver, which is not WHQL-compatible, on an older Windows, you get a dialogue with the hint and the question if you still want to install them.



If you see this or a comparable dialogue and trust the source of the software, you can install the driver.

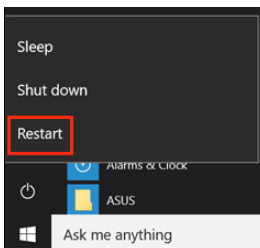
In all other cases you must disable the driver signature enforcement.

Windows 8/8.1



Open Charms Menu by simultaneously pressing: (**Windows** + C). Then hold down the Shift key on your keyboard, click on the Power icon and select Restart.

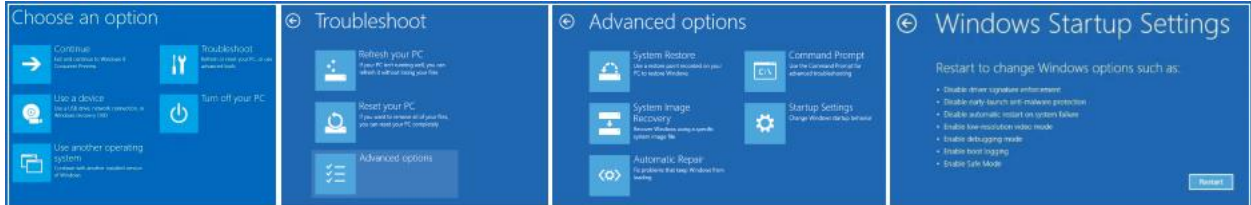
Windows 10/11



To get the Advanced Startup, hold down the Shift key, while you click Restart from the power options menu in the Start Menu (press **Windows**).

Next steps are the same for Windows 8/8.1, 10 and 11.

First, choose the troubleshooter, followed by Advanced Options and Windows Startup Settings. Then, the last click on Restart triggers the restart with advanced options.



At the end of the following system start, the window opposite appears. At this point, you can finally disable the driver signature enforcement for the restart and set it up with the manual driver installation.



Please note, that at this point you have performed the device USB setup only. For further functionality additional installation of RFID driver, software tools or application software may be necessary.

Questions? Contact us:

microsensys GmbH
Office Park im GVZ
In der Hochstedter Ecke 2
D-99098 Erfurt, Germany
e-mail: info@microsensys.de
tel: +49 361 59874 0
fax: +49 361 59874 17