

Report

Issue	Release 1.3
Topic	FPA-5000 USB Driver Installation for Windows
Description	This document describes the installation of the USB driver for FPA-5000 for Windows (32-Bit and 64-Bit).

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1 Introduction

Connecting a new hardware to a PC running Windows starts the hardware installation wizard which guides you through the driver installation procedure. In contrary to that, newer Windows version may try to find the driver automatically and may just complain with a small balloon message if any needed driver is missing. To ease the driver installation with Windows this guide describes it step by step. It is valid for both, 32-Bit and 64-Bit systems. The difference is that any kernel mode driver which shall be installed using Windows 64-Bit must be signed using a certificate of a trusted authority (this is done for the USB driver of the FPA-5000).

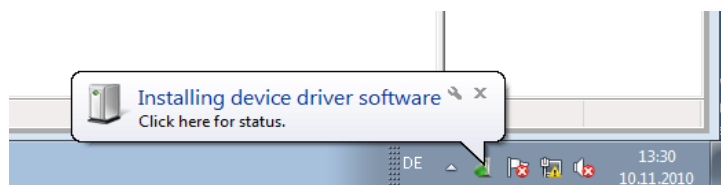
2 Driver Installation

2.1 Prerequisites

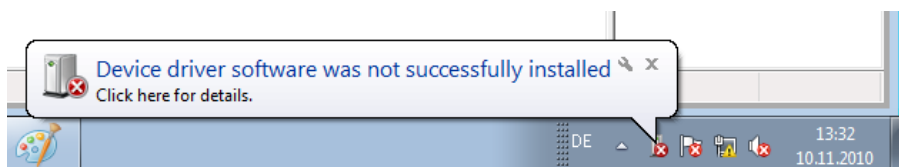
The FPS-5000-RPS software is already installed on the system to ensure that the USB drivers needed for the driver installation procedure are accessible. The FPA-5000 device is unplugged.

2.2 First Steps

Plug-in the FPA-5000 to a free USB port of the Windows machine. As no suitable driver is known to the system Windows shows the following balloon messages:



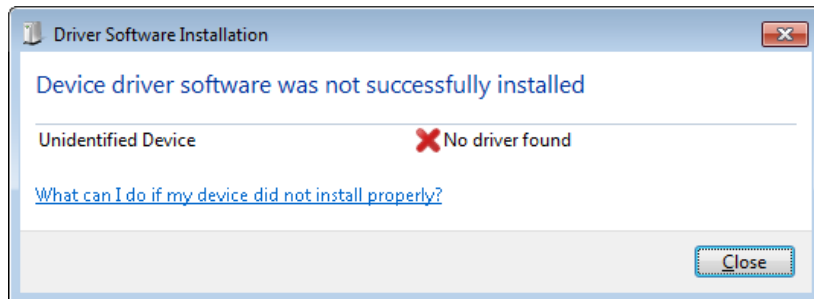
Picture 1 - Installing Device Driver



Picture 2 - Driver Installation failed

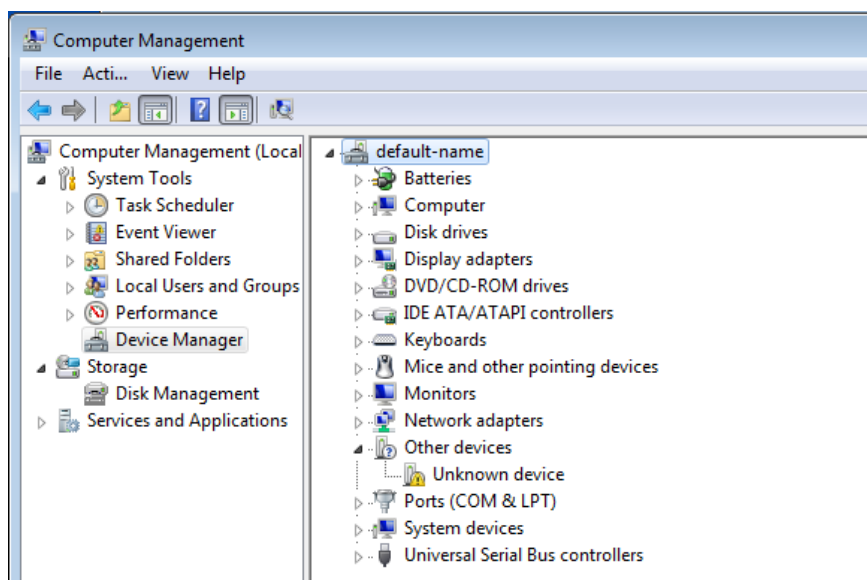
Driver installation fails as no suitable driver can be found by the automatic driver installation feature of Windows. Please note that those balloon messages disappear a few seconds later removing any indication about the failure. If you're fast enough you can click on the corresponding icon in the taskbar which opens the following window:

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Picture 3 - Driver installation failure dialog

Further note that those messages only appear once, that is if you unplug and plug-in your device again, no such balloon message will pop up. The installation just fails. Anyway continue by opening the device manager in Windows by selecting "Control Panel -> Administrative Tools -> Computer Management". There choose "Device Manager" from the tree on the left pane. The device manager may look like this:



Picture 4 - Device Manager

An unknown device appears under the node "Other Devices". In this case there is only one unknown device – which is most likely the FPA-5000. If you have more than one unknown device, just following the next steps – if not, continue with chapter 2.4.

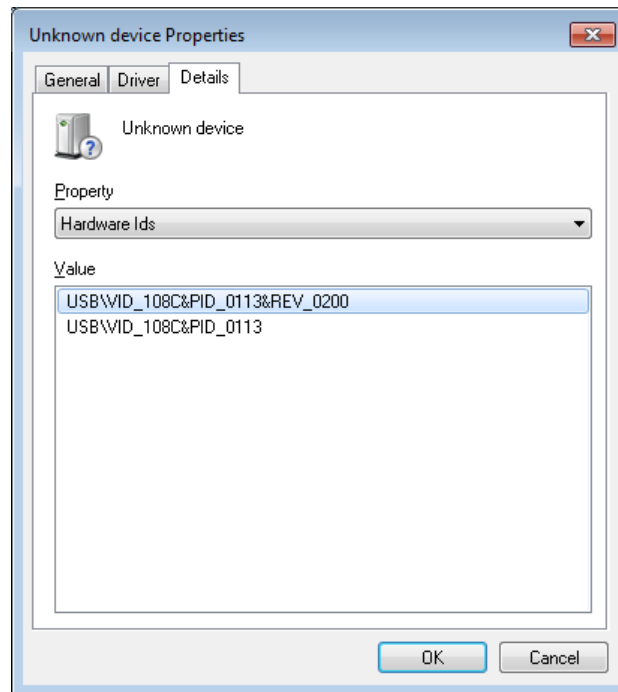
2.3 Identifying the FPA-5000 device

Double-click on the first unknown device and select the "Details" Tab of the properties window as shown below:

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**Picture 5 - Device Properties**

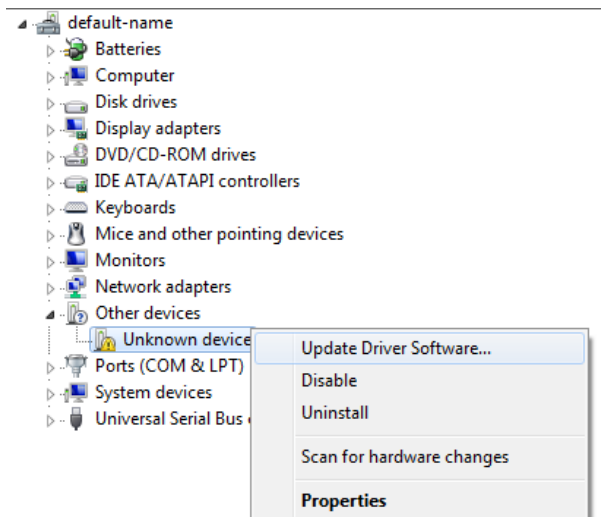
Select “Hardware Ids” in the Property selection menu. There you should find an entry called: “USB\VID_108C&PID_0113...”

If the number after VID is 108C (which is the vendor ID of Bosch) and the product id is 0113 (FPA-5000) the selected “unknown device” is the FPA-5000. Now close the properties dialog and continue with chapter 2.4. If it does not identify the FPA-5000 continue with the next unknown device and check the properties again doing so with all unknown devices until the FPA-5000 is found.

2.4 Installing the driver

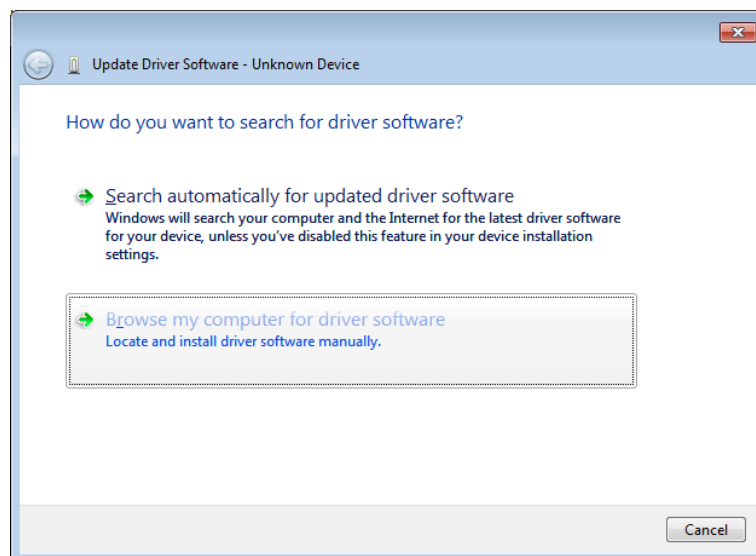
Open the context menu of the unknown device identifying the FPA-5000 and choose “Update Driver Software” as shown below:

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Picture 6 - Update Driver Software

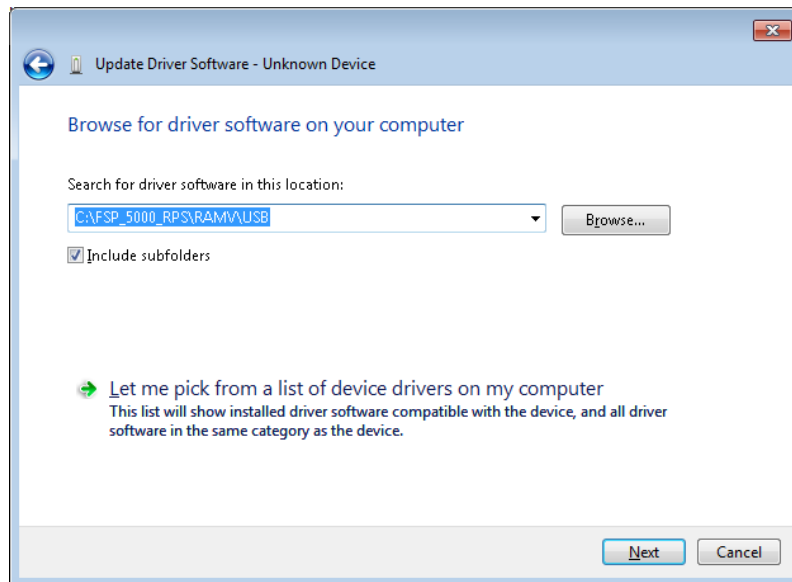
The following window opens:



Picture 7 - Install Driver for unknown device

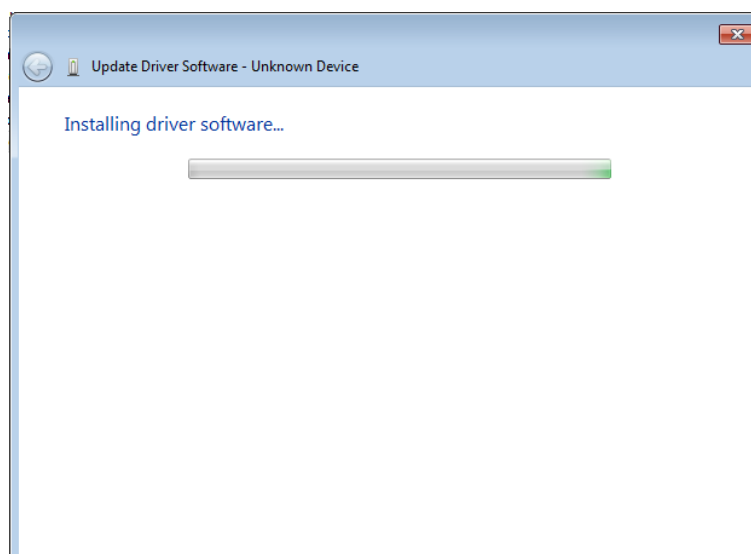
Select the second option “Browse my computer for driver software – locate and install driver software manually”. As a result the following dialog will be shown:

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Picture 8 - Browse for driver

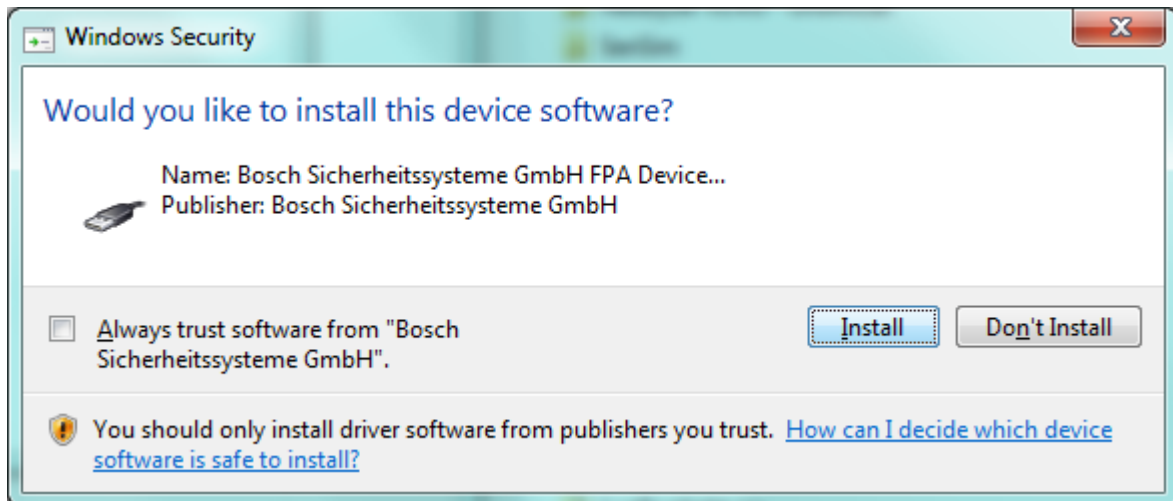
Browse for the FPA-5000 USB driver directory using the corresponding button and select the USB folder of the FSP-5000-RPS software (e.g.: c:\FPS-5000-RPS\RAMV\USB). After selecting the correct folder click "Next". The following window appears:



Picture 9 - Driver installation progress

A few seconds later the following screen appears:

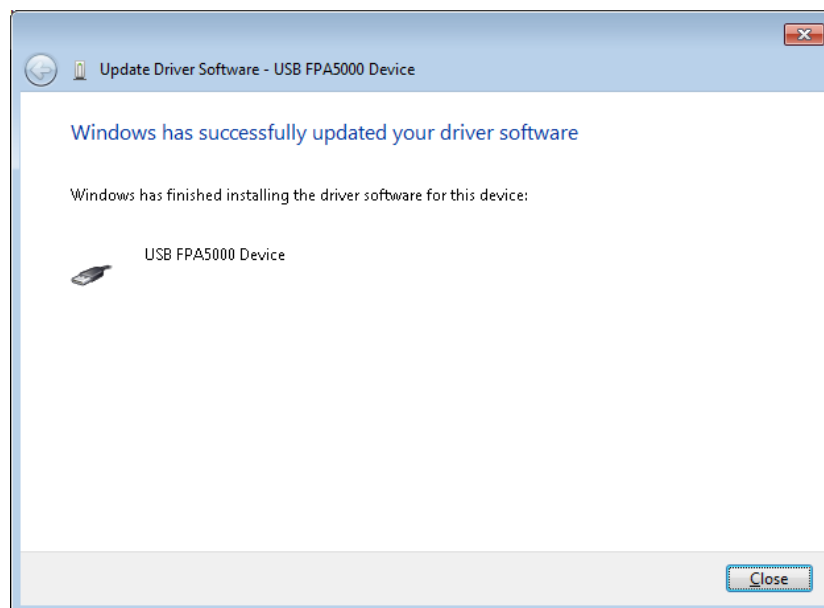
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Picture 10 - Security Dialog

Here you can select whether to always trust software from Bosch Security Systems (check to corresponding option). Click Install to continue installation of driver.

A few seconds later the driver installation is finished and the following window appears:



Picture 11 - Driver Installation Success

After the installation is finished check the device manager again. Now the FPA-5000 device shall appear as shown below:

Security Systems

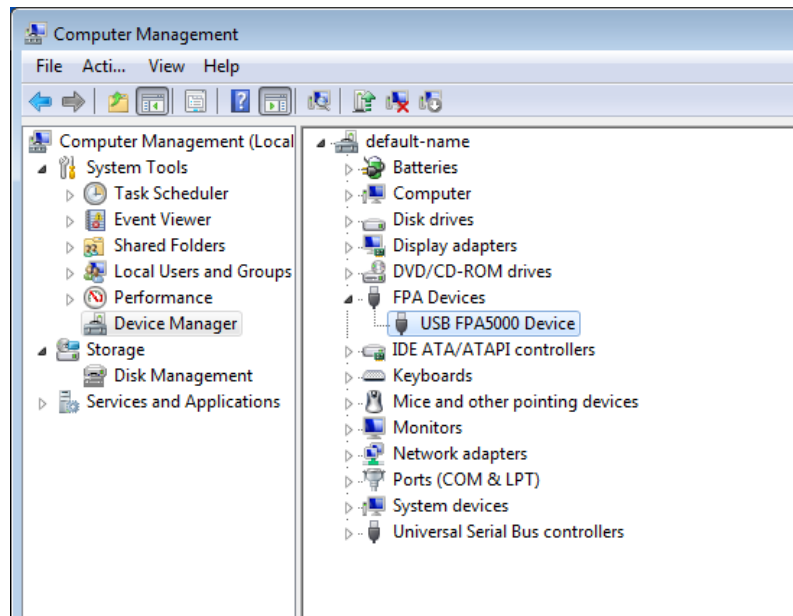
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Picture 12 - FPA-5000 in device manager

Now the device is ready and can be used.