Security Systems

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Issue	Release 1.2
Topic	**FPA-5000 USB Driver Installation for Windows 7 and Windows 8**
Description	This document describes the installation of the USB driver for FPA-5000 for Windows 7 / 8 (32-Bit and 64-Bit).

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1 Introduction

Connecting a new hardware to a PC running Windows XP starts the hardware installation wizard which guides you through the driver installation procedure. In contrary to that Windows 7 tries 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 7 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 7 64-Bit must be signed using a certificate of a trusted authority (this is done for the USB driver of the FPA-5000). Please note that the described procedure is also valid for Windows 8 32-Bit and 64-Bit.
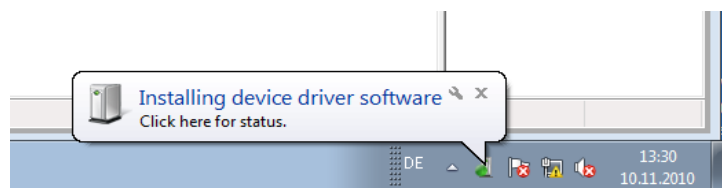
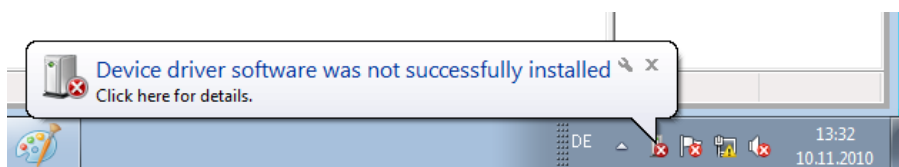# 2 Driver Installation

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 7 machine. As no suitable driver is known to the system Windows 7 shows the following balloon messages:
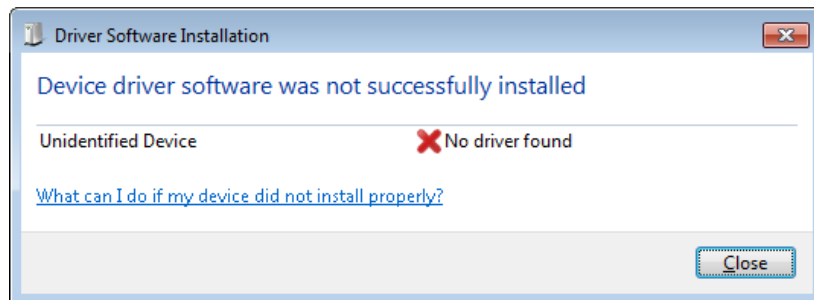
Picture 1 - Installing Device Driver
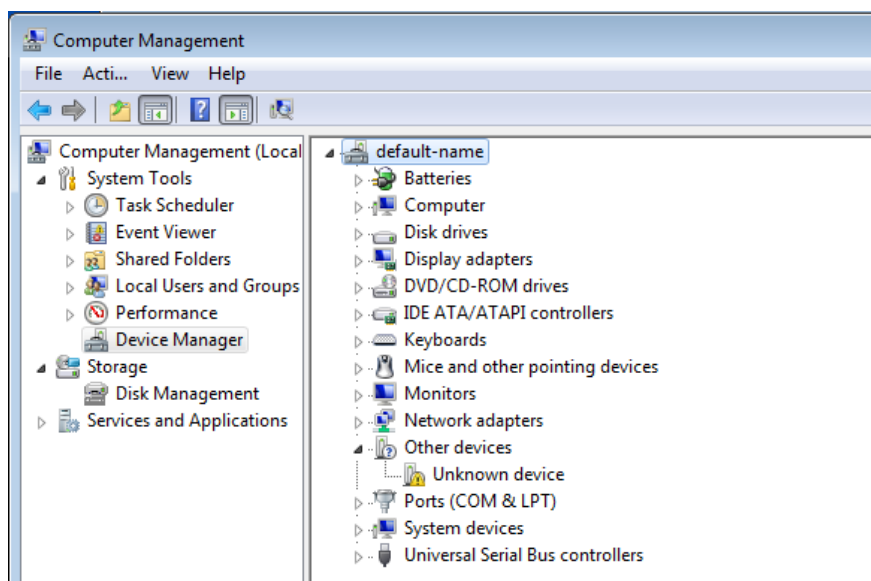
Picture 2 - Driver Installation failed

Driver installation fails as not suitable driver can be found by the automatic driver installation feature of Windows 7. 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 you device again no such balloon message will pop up. The installation just fails. Anyway continue by opening the device manager in Windows 7 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:
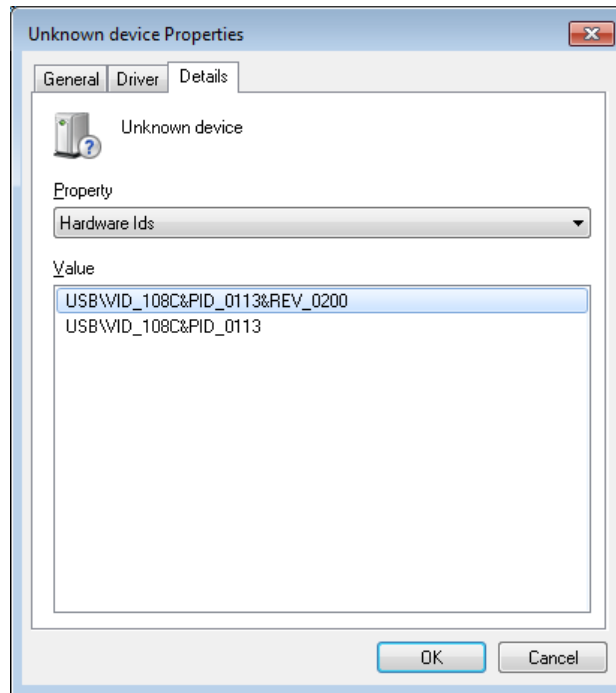
Picture 4 - Device Manager

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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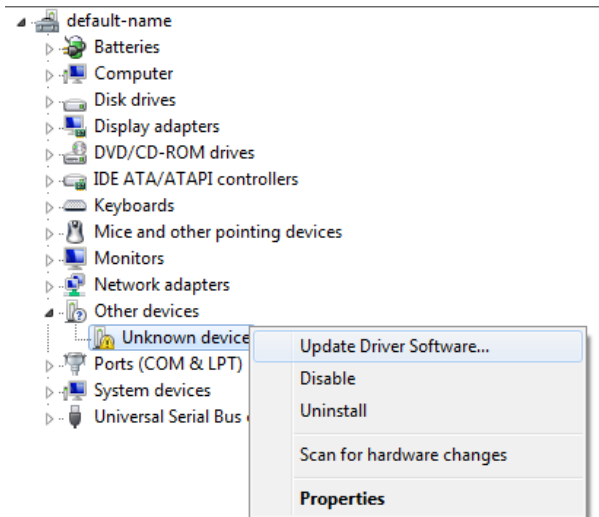**Picture 5 - Device Properties**

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 FP-5000 is found.
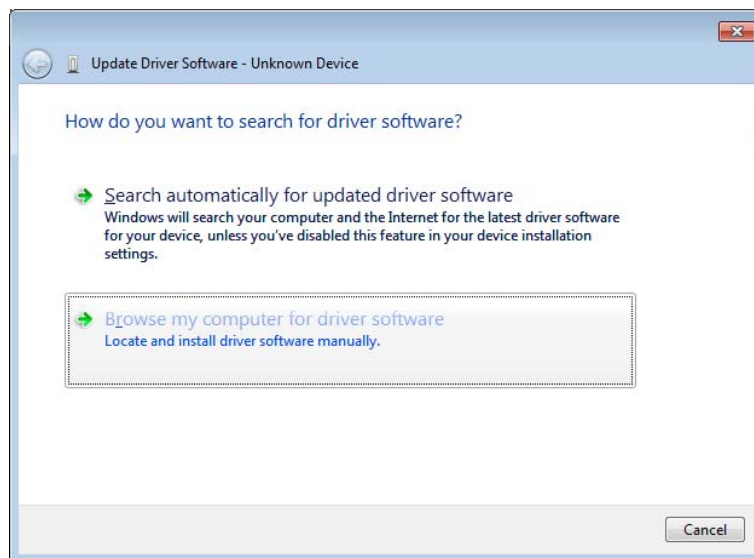
2.4   Installing the driver

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

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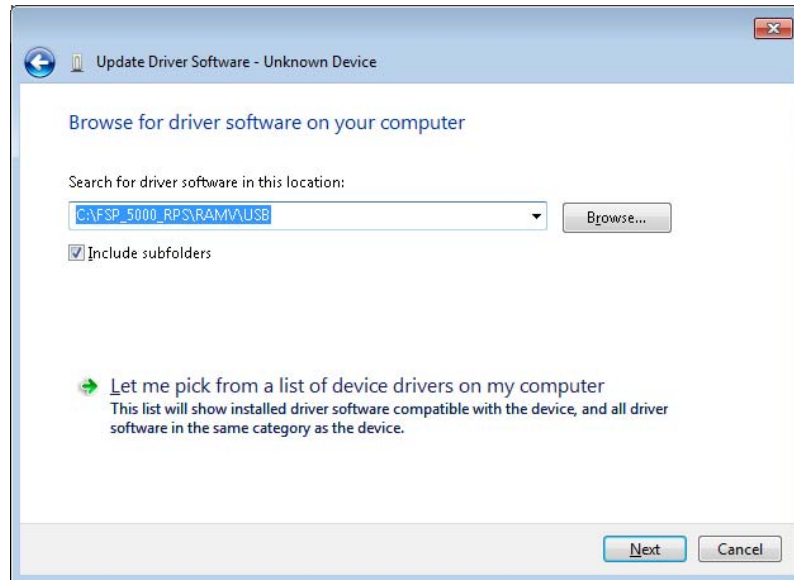**Picture 6 - Update Driver Software**

The following window opens:
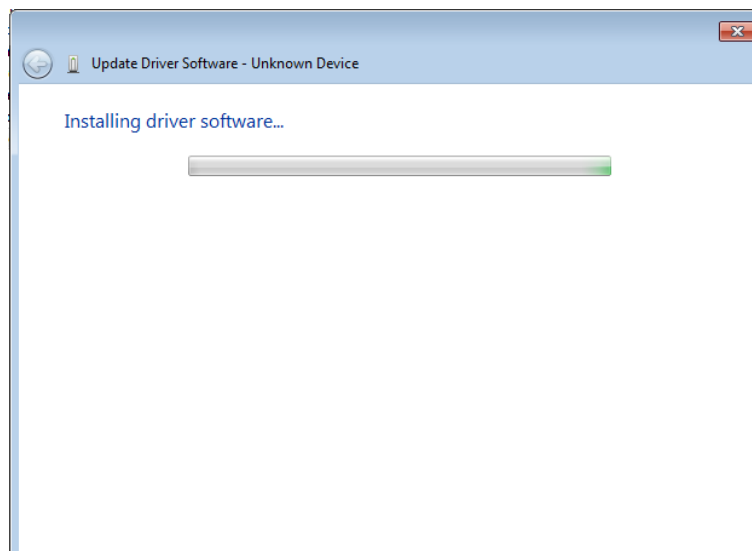

Picture 7 - Install Driver for unknown device

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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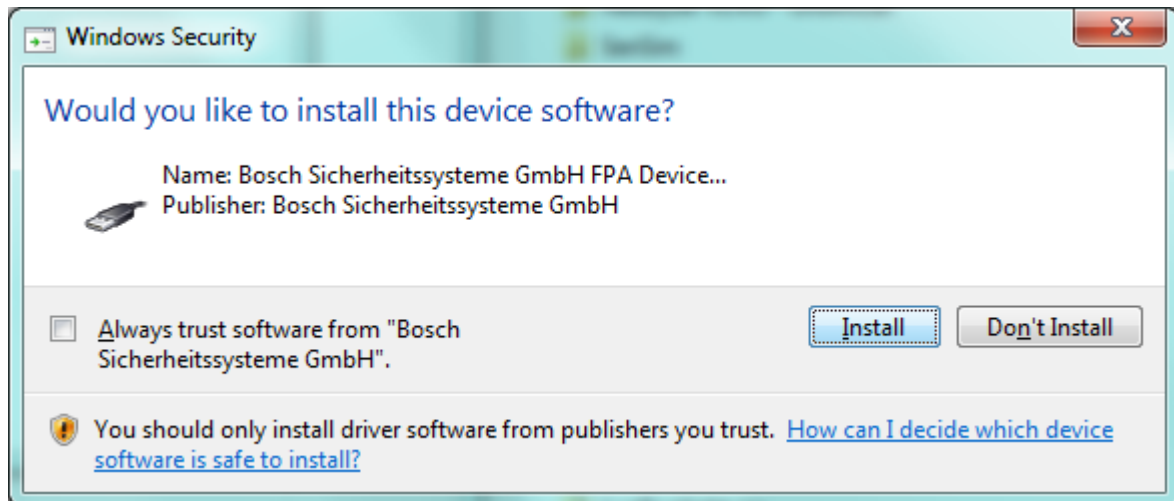

Picture 8 - Browse for driver

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

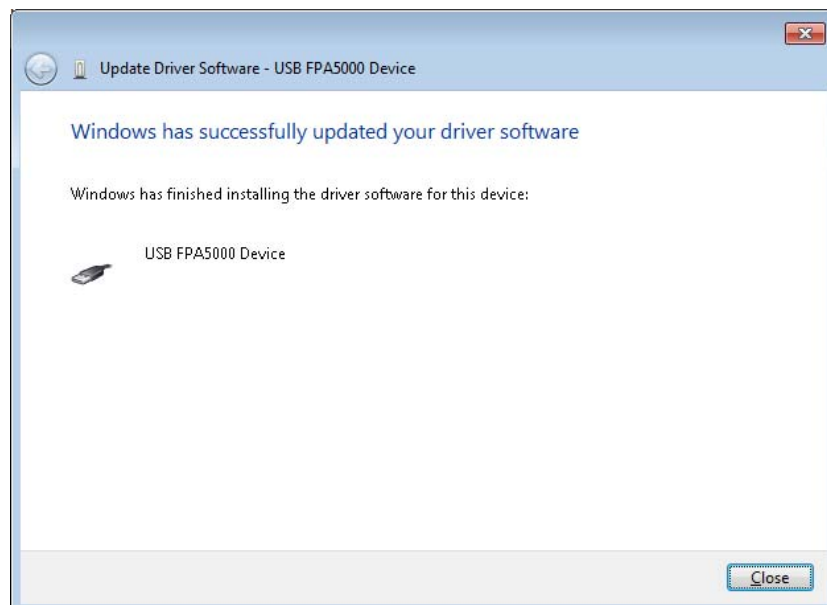A few seconds later the following screen appears:

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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:
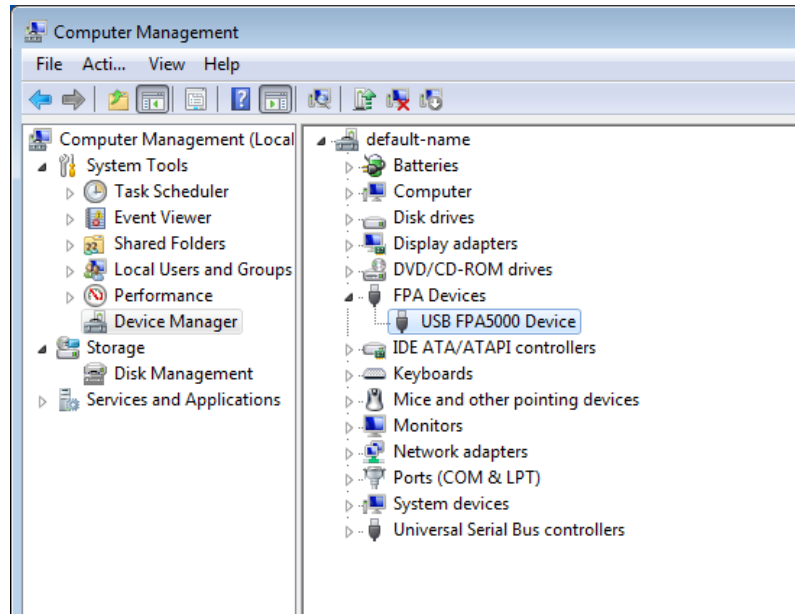

Picture 11 - Driver Installation Success

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

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Picture 12 - FPA-5000 in device manager

Now the device is ready and can be used.