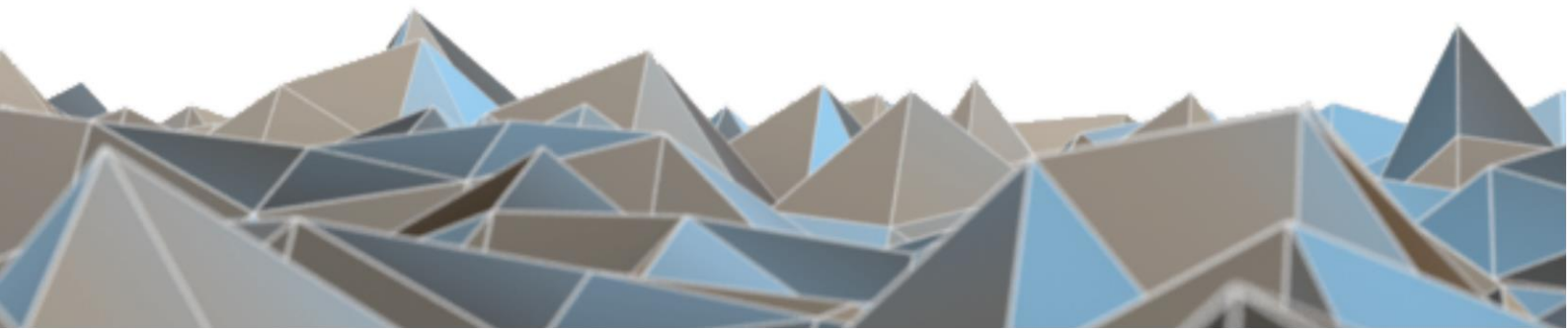


BLUETECHNIX
Embedding Ideas

Argos3D - P100

Quick Start Guide

Version 2





Bluetechnix

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Argos^{3D} - P100 - Quick Start Guide

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Subject to change without notice. Errors excepted.

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Table of Contents

1	Unboxing	5
1.1	In the box	5
1.2	Connecting your Argos ^{3D} -P100.....	5
1.2.1	Connector Overview	5
1.2.2	Connecting the power supply	6
1.2.3	Connecting USB2.0 cable	6
2	Downloading the support package.....	7
2.1	Support website	7
2.2	Start-up screen	8
3	Install Argos ^{3D} - P100 Drivers	10
4	Start using your Argos ^{3D} - P100 with “BltTofSuite”	17
5	System Requirements & Support.....	18
5.1	Support	18
6	Product History	19
6.1	Document Revision History	19

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Information

For further information on technology, delivery terms and conditions and prices please contact Bluetechnix (<http://www.bluetechnix.com>).

Warning

Due to technical requirements components may contain dangerous substances.

1 Unboxing

1.1 In the box

- Argos^{3D} - P100
- Micro USB Cable
- 5V_{DC}/3A Power Supply
- Tripod
- Quick Start Guide

1.2 Connecting your Argos^{3D}-P100

1.2.1 Connector Overview

The Argos^{3D} - P100 features three connectors. A 5V_{DC}@2.5A connection, Micro USB2.0 and an external sync interface.

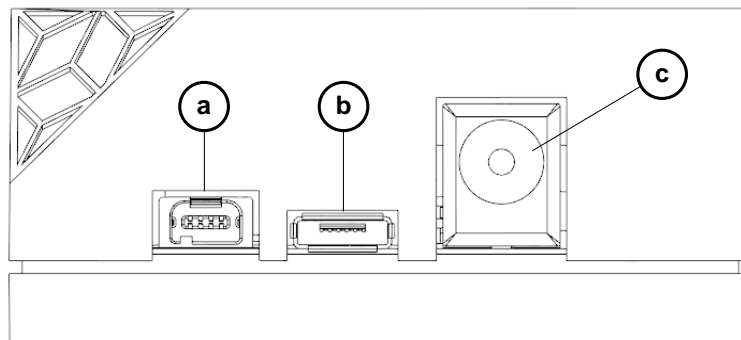


Figure 1-1: Connector Overview

- a. Modulation Light Interface
- b. Micro USB 2.0 Interface
- c. Power Connector

NOTE: Please follow the next steps in the right order to get your 'P100' up and running correctly.

1.2.2 Connecting the power supply

To ensure, that your Argos^{3D} - P100 works correctly, plug in the power supply and wait for approximately 10 seconds until the camera boots up.



Figure 1-2: Connecting Power Supply

1.2.3 Connecting USB2.0 cable

After boot up, plug in the micro USB2.0 cable and connect your Argos^{3D} - P100 to a free USB port of your PC.

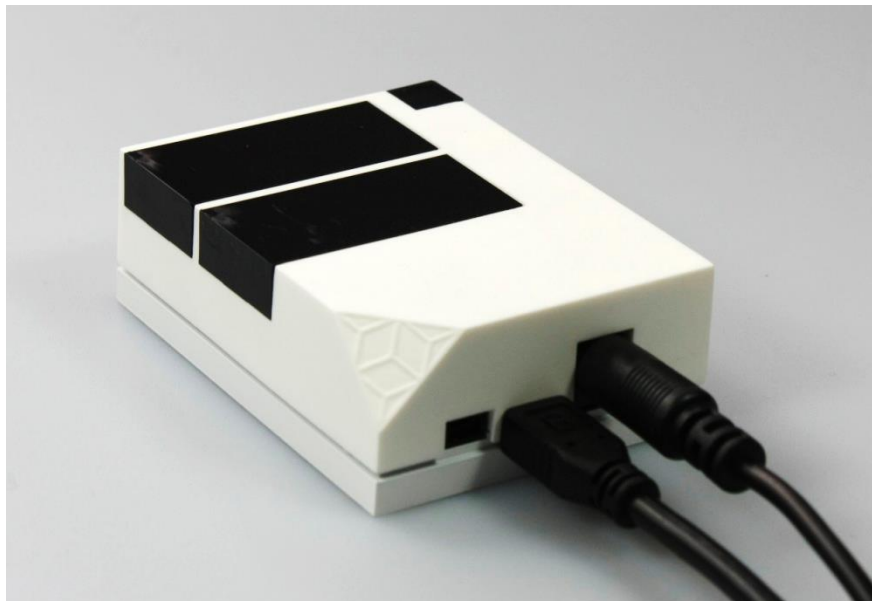


Figure 1-3: Connecting USB2.0 cable

2 Downloading the support package

Please point your browser to our support site <https://support.bluetechnix.com/> and select the 'Free Access' area.

2.1 Support website

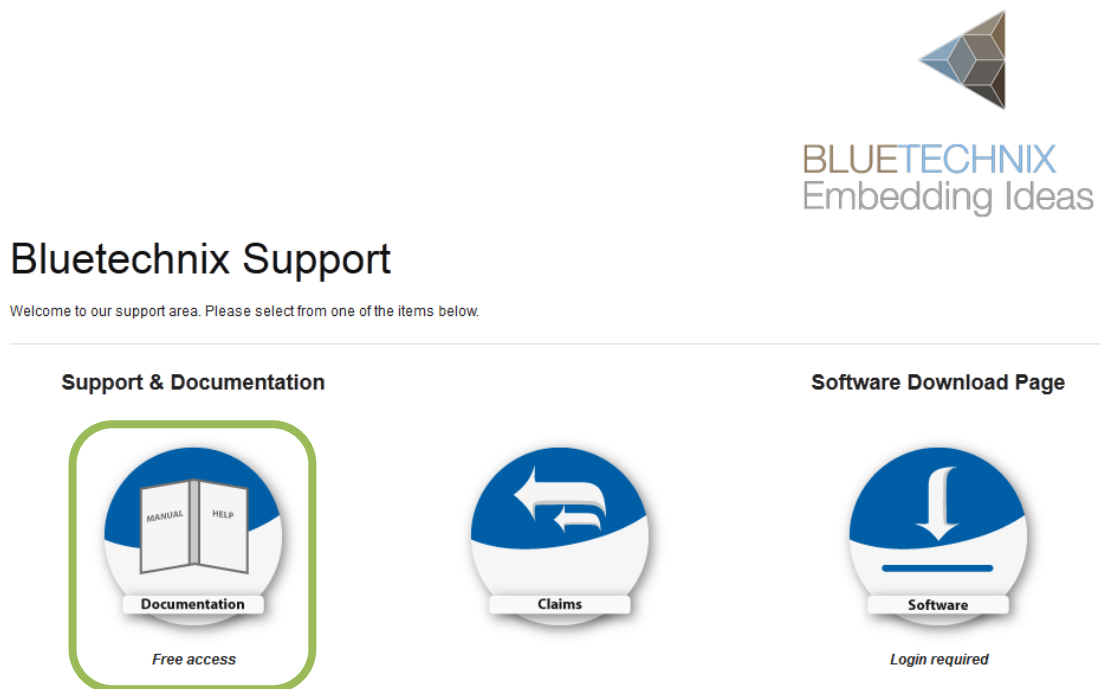
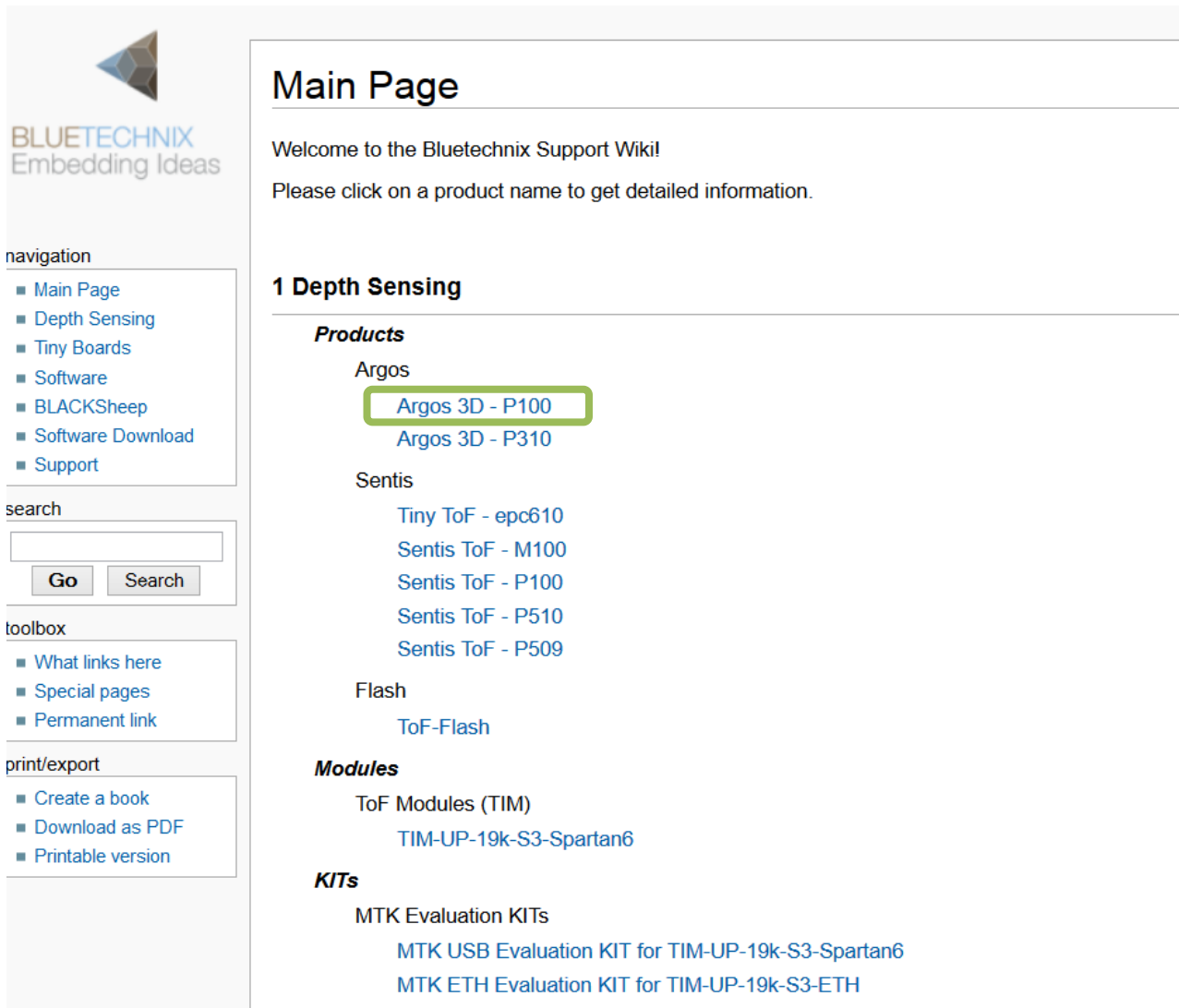


Figure 2-1: Bluetechnix support site

2.2 Start-up screen



The screenshot shows the 'Main Page' of the Bluetechnix Support Wiki. On the left is a sidebar with navigation, search, and toolbox sections. The main content area is titled 'Main Page' and includes a welcome message, a list of products under '1 Depth Sensing', and sections for 'Modules' and 'KITS'. The 'Argos 3D - P100' link is highlighted with a green box.

Main Page

Welcome to the Bluetechnix Support Wiki!
Please click on a product name to get detailed information.

1 Depth Sensing

Products

Argos

- [Argos 3D - P100](#)
- [Argos 3D - P310](#)

Sentis

- [Tiny ToF - epc610](#)
- [Sentis ToF - M100](#)
- [Sentis ToF - P100](#)
- [Sentis ToF - P510](#)
- [Sentis ToF - P509](#)

Flash

- [ToF-Flash](#)

Modules

ToF Modules (TIM)

- [TIM-UP-19k-S3-Spartan6](#)

KITS

MTK Evaluation KITS

- [MTK USB Evaluation KIT for TIM-UP-19k-S3-Spartan6](#)
- [MTK ETH Evaluation KIT for TIM-UP-19k-S3-ETH](#)

Navigation:

- [Main Page](#)
- [Depth Sensing](#)
- [Tiny Boards](#)
- [Software](#)
- [BLACKSheep](#)
- [Software Download](#)
- [Support](#)

Search:

Toolbox:

- [What links here](#)
- [Special pages](#)
- [Permanent link](#)

Print/Export:

- [Create a book](#)
- [Download as PDF](#)
- [Printable version](#)

Figure 2-2: Start-up screen

Please select your product: Argos3D – P100

On the product support page please download the latest support package from the download section.

Once you downloaded the support package extract the .zip file on your hard drive to e.g.

C:\Argos3D-P100\ and read the Readme.txt first.









Name	Date modified	Type	Size
 blt_tof_api	11.02.2016 08:55	File folder	
 driver	11.02.2016 08:55	File folder	
 firmware	11.02.2016 08:55	File folder	
 manual	11.02.2016 08:57	File folder	
 matlab_dev_kit	11.02.2016 08:58	File folder	
 tools	11.02.2016 08:55	File folder	
 MIT.txt	10.02.2016 17:47	TXT File	2 KB
 Readme.txt	10.02.2016 17:58	TXT File	2 KB

Figure 2-3: Unzipped support package

3 Install Argos^{3D} - P100 Drivers

At the first time you have plugged in your Argos^{3D} - P100, you have to install the driver which can be found in the support package.

Open the Windows “Device Manager” in the “Control Panel”

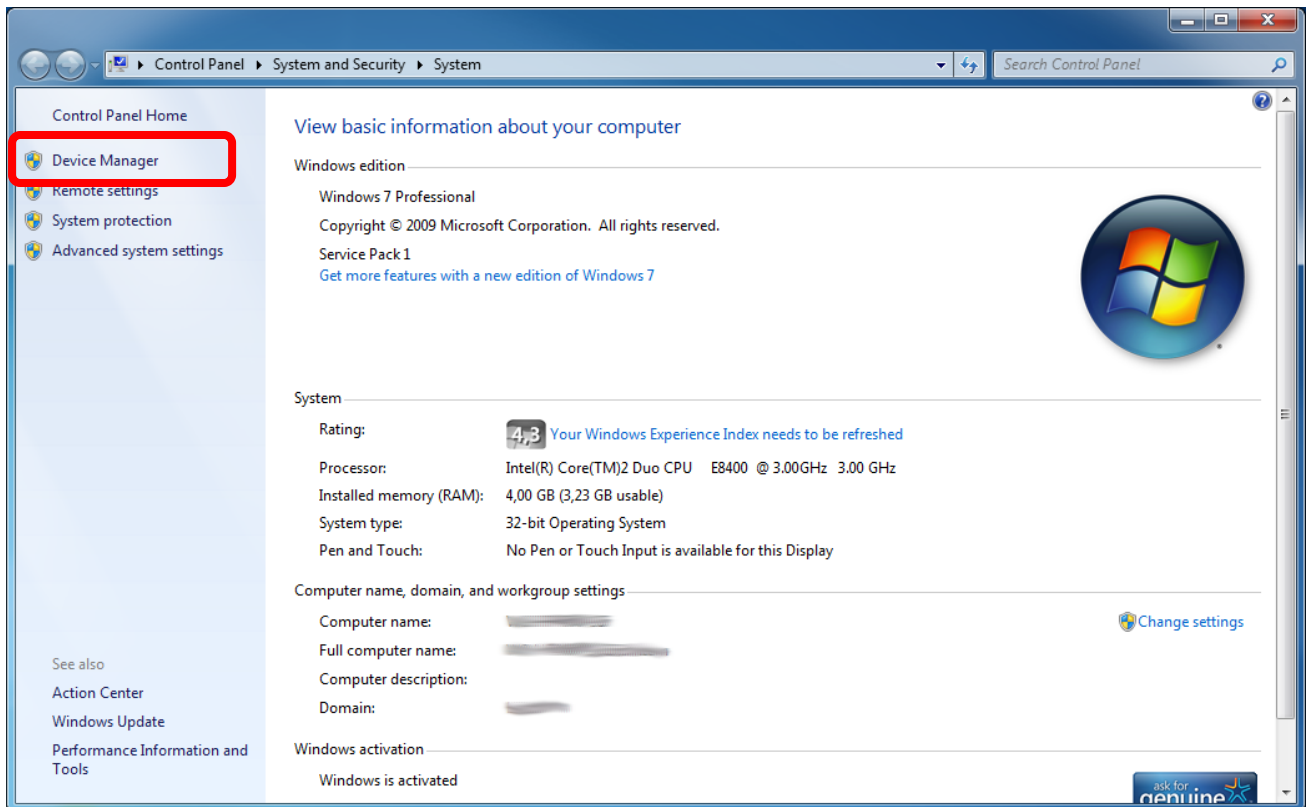


Figure 3-1: Windows Device Manager

Once Device Manager is opened, right click “*Bluetechnix – Argos3D – P100*” in “*Other Devices*” and click “*Update Driver Software*”.

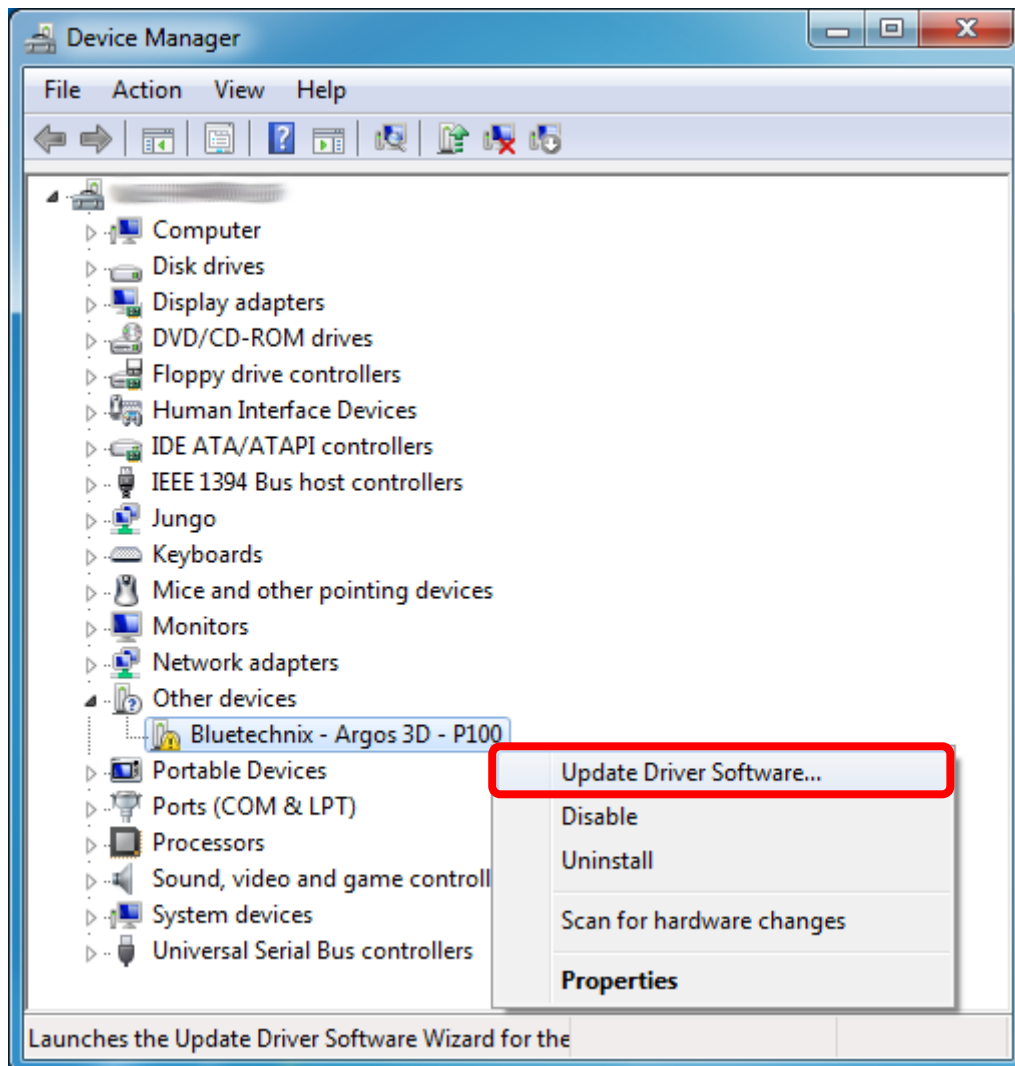


Figure 3-2: Device Manager – Update Driver Software

Then choose “*Browse my computer for driver software*”.

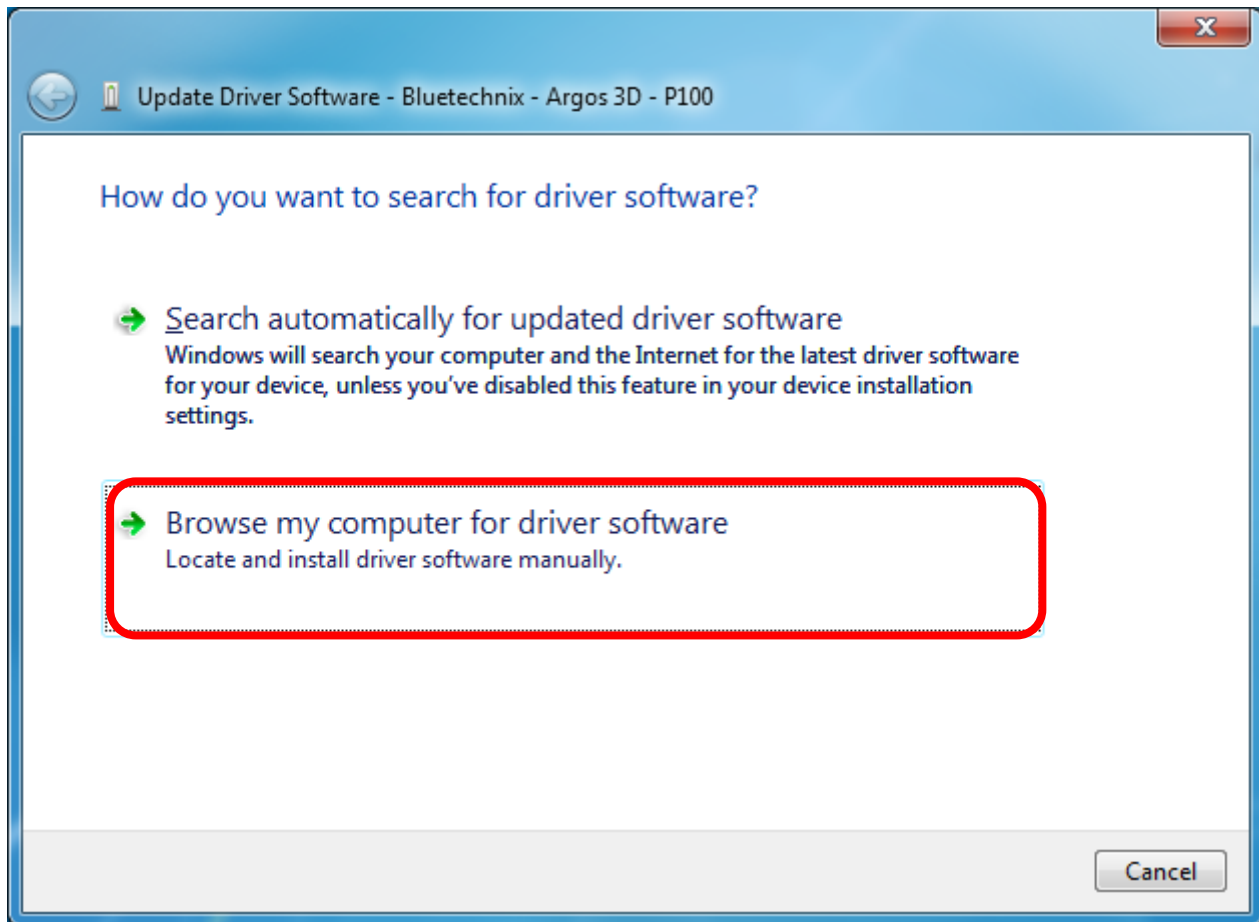


Figure 3-3: Locate and install driver software manually

Point the driver install utility to “C:\Argos3D-P100\windows\driver” on your local hard drive. Check “Include subfolders” and click “Next”.

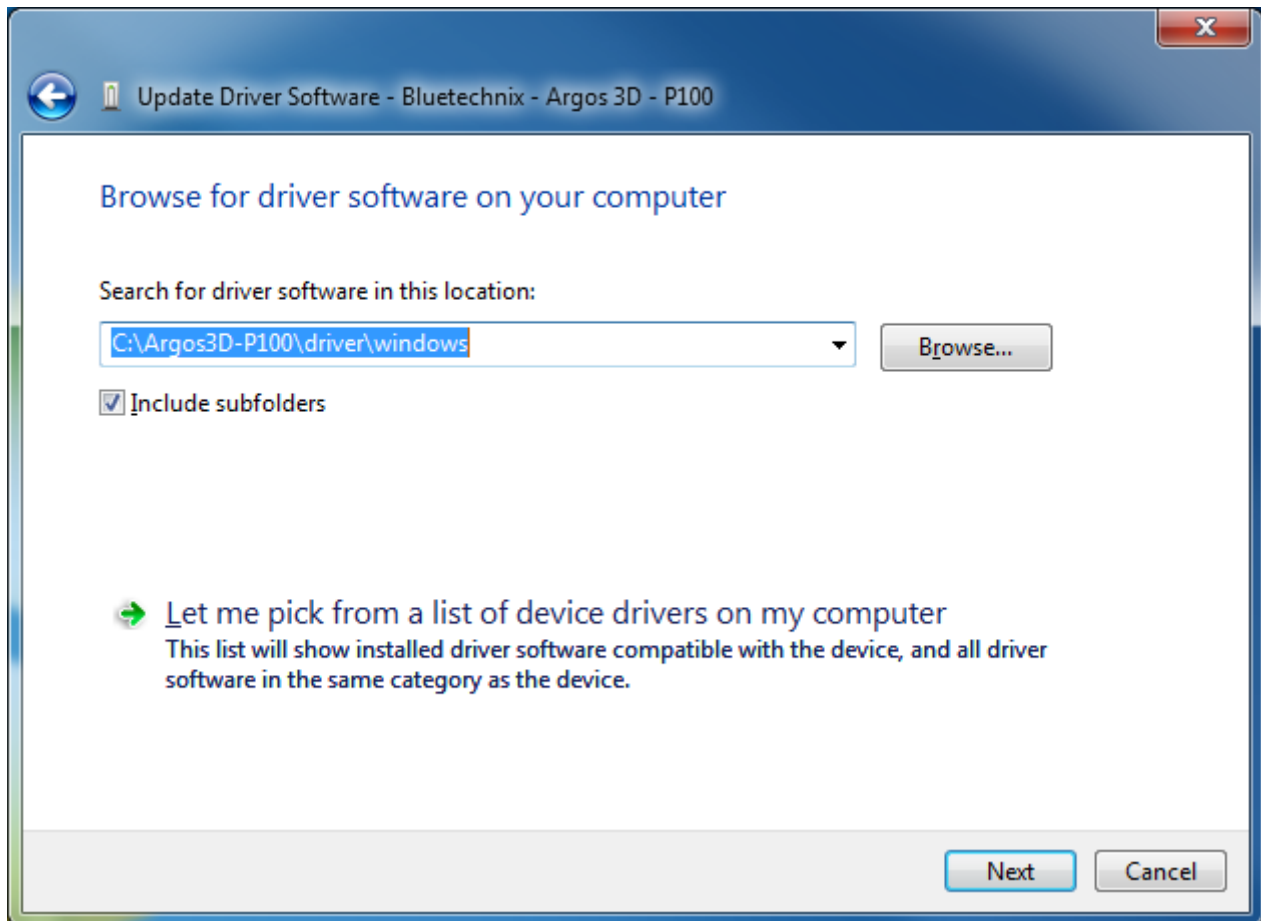


Figure 3-4: Browse for driver software on your computer

If the following question arises, choose to lay your trust upon Bluetechnix GmbH.

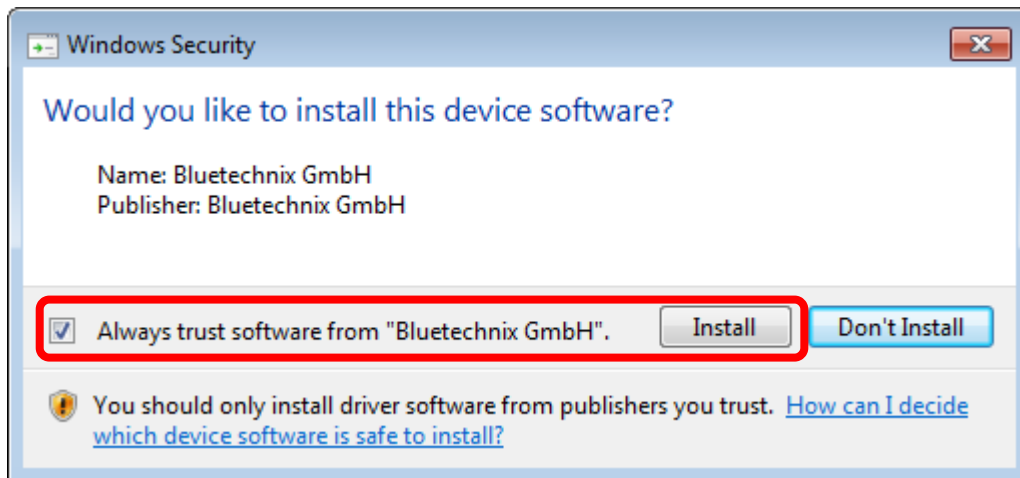


Figure 5: Always trust software from "Bluetechnix GmbH"

The *Update Driver Software Utility* finishes the driver installation showing following Window.

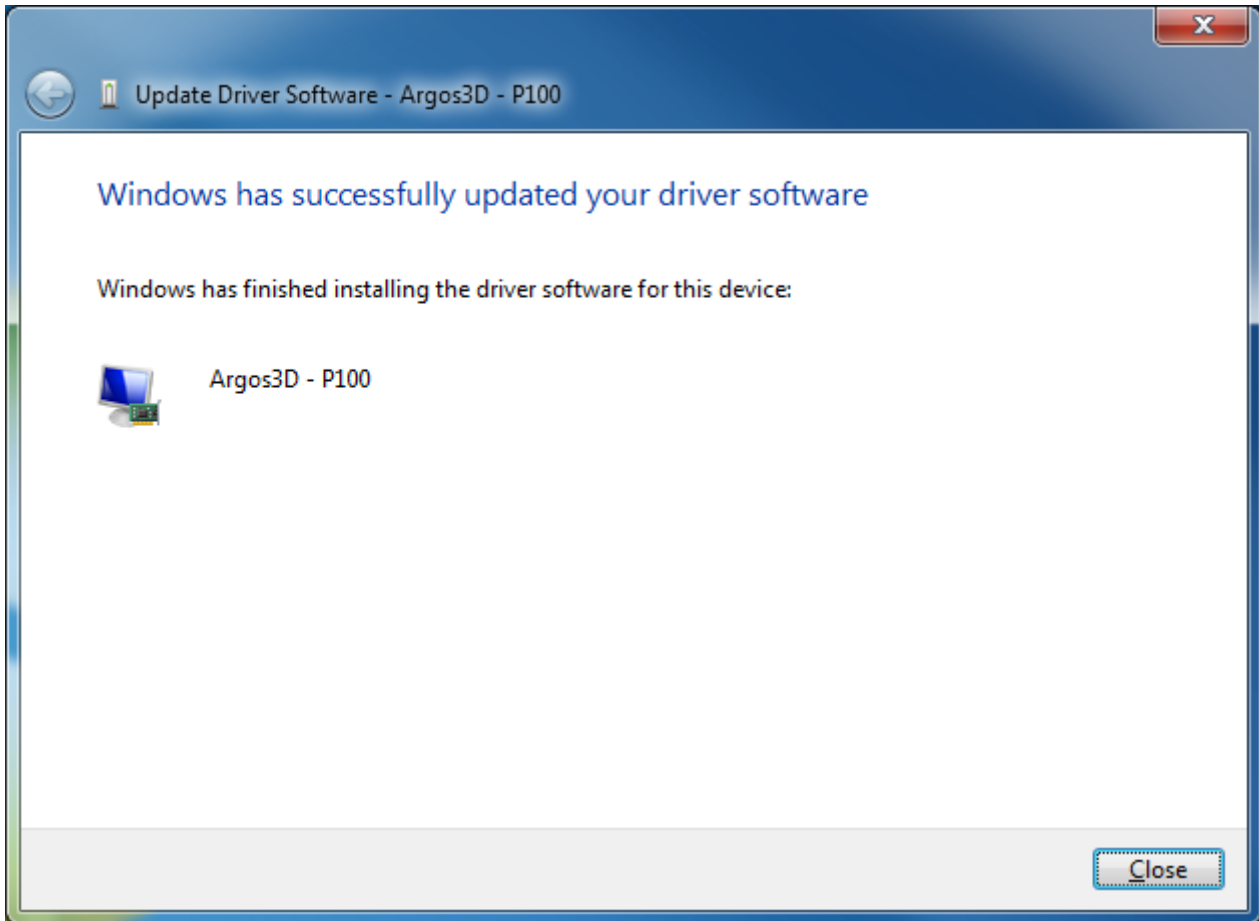


Figure 3-6: Driver Software successfully installed

After successful driver installation there should be a new device in the device manager named “*Bluetechnix - Argos 3D - P100*”.

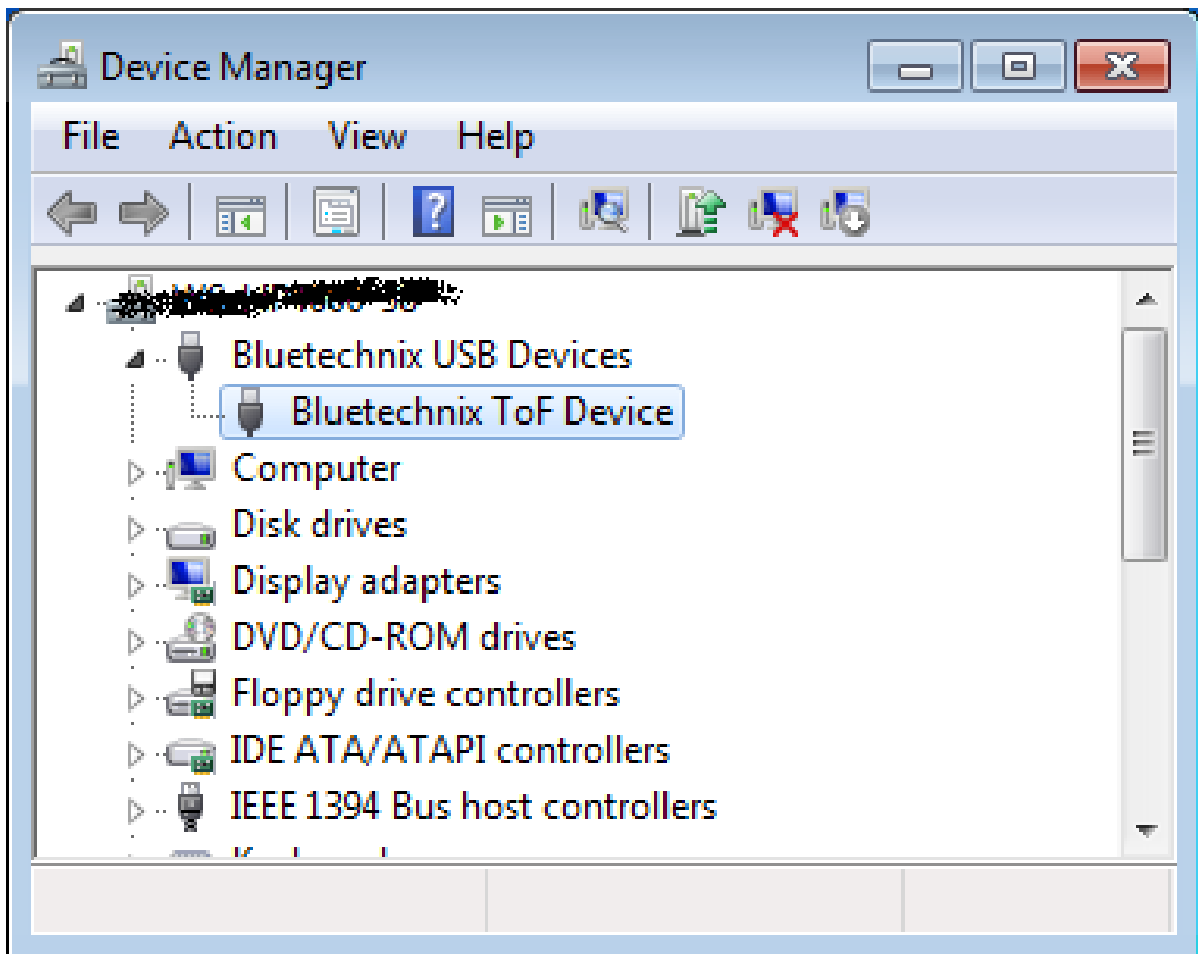


Figure 3-7: Bluetechnix PMD Devices in Device Manager

Congratulations



You now have successfully installed your Argos^{3D} - P100 on your PC.

4 Start using your Argos^{3D} - P100 with “BltTofSuite”

Browse to the directory where you previously saved the BltTofSuite software zip file. Unzip the software. On how to use this software, please refer to the Bluetechnix ToF Suite user manual included in the support package.



Figure 8: Sample scenario with the Argos3D - P100

5 System Requirements & Support

An Argos^{3D} - P100 enabled application is required in order to use this Argos^{3D} - P100 device.

Connect to a system with:

- Operating System: Microsoft Windows XP/7, Ubuntu 12.04 or compatible
- 32 bit (x68) or 64 bit (x64) processor
- Dual-core 2 GHz or faster CPU
- Dedicated USB 2.0 port or USB 3.0 port
- 2 GByte RAM

5.1 Support

For answers to common questions, troubleshooting steps and further documentation visit our Bluetechnix support website or using the direct link: <https://support.bluetechnix.com/wiki/Argos>

6 Product History

6.1 Document Revision History

Version	Date	Document Revision
1		First draft
2	20160210	Removed BltTofSuite section Updated driver installation Updated Downloading support package

Table 6.1: Revision history