

KINOVA ROBOTIC ARMS

Drivers installation



Kinova drivers installation

Version 1.0

January 2014

The content of this guide is furnished for informational use only, is subject to change without notice, and should not be construed as a commitment by Kinova. Kinova assumes no responsibility or liability for any errors or inaccuracies that may appear in this document.

The mention of any product does not constitute an endorsement by Kinova Inc. This guide is furnished under a lease agreement and may only be copied or used within accordance with the terms of such lease agreement. Except as permitted by such lease agreement, no part of this publication may be reproduced, stored in any retrieval system, or transmitted, in any form or by any means, electronic, mechanical, recording, or otherwise, without prior written consent of Kinova.

The names Kinova and its products, as well as Kinova's logo, are trademarks of Kinova Inc. All other brand and product names are trademarks or registered trademarks of their respective corporations.

Changes are periodically brought to the information herein; these changes will be incorporated into new editions of this publication. Kinova may make improvements and/or changes in the products and/or software programs described in this publication at any time.

Address any questions or comments concerning this document, the information it contains or the product it describes to:

Publications@KinovaRobotics.com

Kinova may use or distribute whatever information you supply in any way it believes appropriate without incurring any obligations to you.

Copyright © 2011-2014 Kinova. All rights reserved

Table of content

1. Overview.....	1
2. Windows XP	1
2.1 Installation.....	1
3. Windows 7	2
3.1 Installation.....	2
4. Windows 8	4
4.1 Installation.....	4
5. Ubuntu.....	6
5.1 Installation.....	6
6. Contact support.....	6

1. Overview

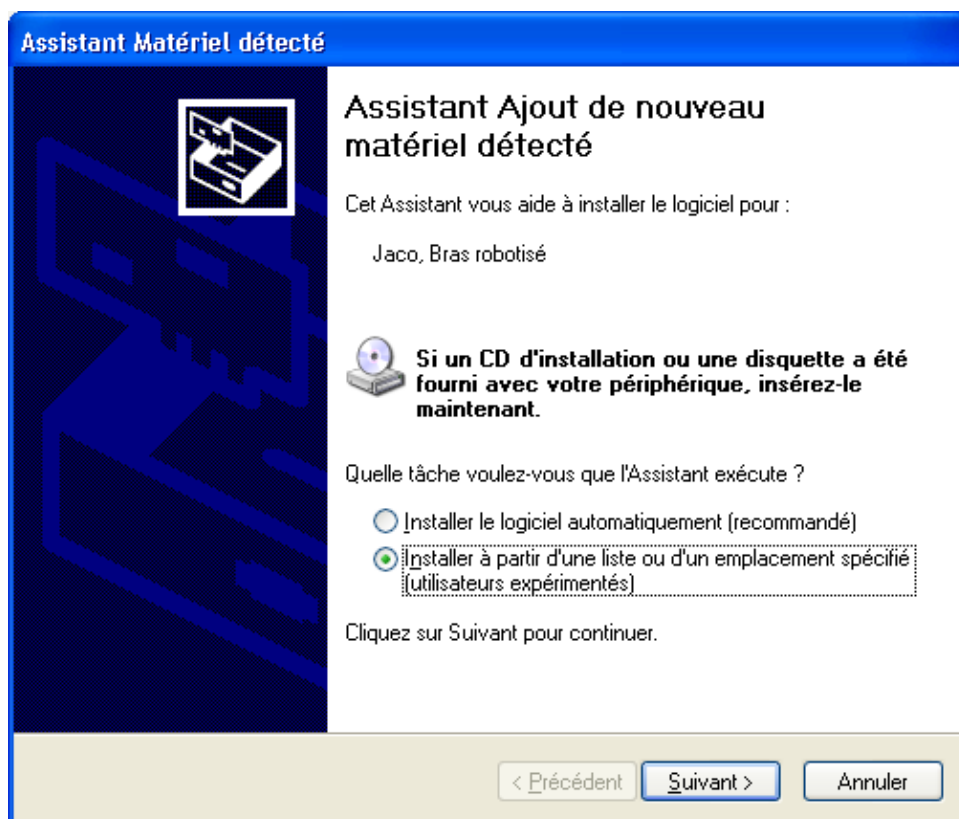
This document shows how to install all the drivers needed to operate and communicate with the robotic arm JACO. Every process described in this document will reference files included in your software package mostly located in the folder named *[Drivers]*.

2. Windows XP

This section describes how to install the JACO's drivers under Windows XP.

2.1 Installation

1. Plug the robotic arm JACO in the computer via a USB cable. Turn the robotic arm on and the OS will detect that there is a new device to be installed. You should see a window that asks what to do. Select the installation with a specific location.



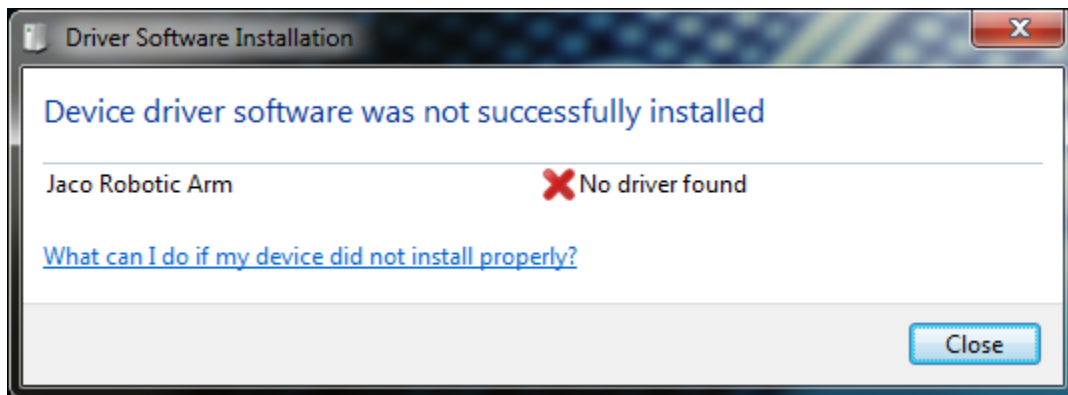
2. Browse to the [Drivers] folder from the software package then continue.
3. It is possible that the system warn you because it does not know where the driver comes from. Don't worry, it is normal, just continue the installation.
4. Installation is completed and you should see your new device in the device manager that can be accessed via the control panel.

3. Windows 7

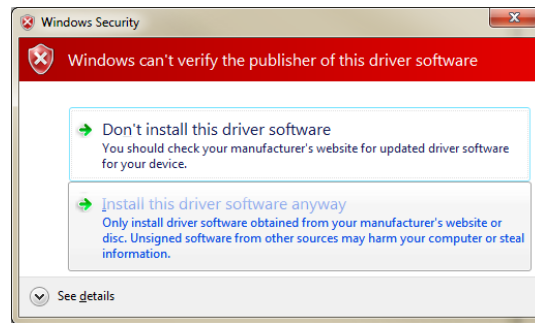
This section describes how to install the JACO's drivers under Windows 7.

3.1 Installation

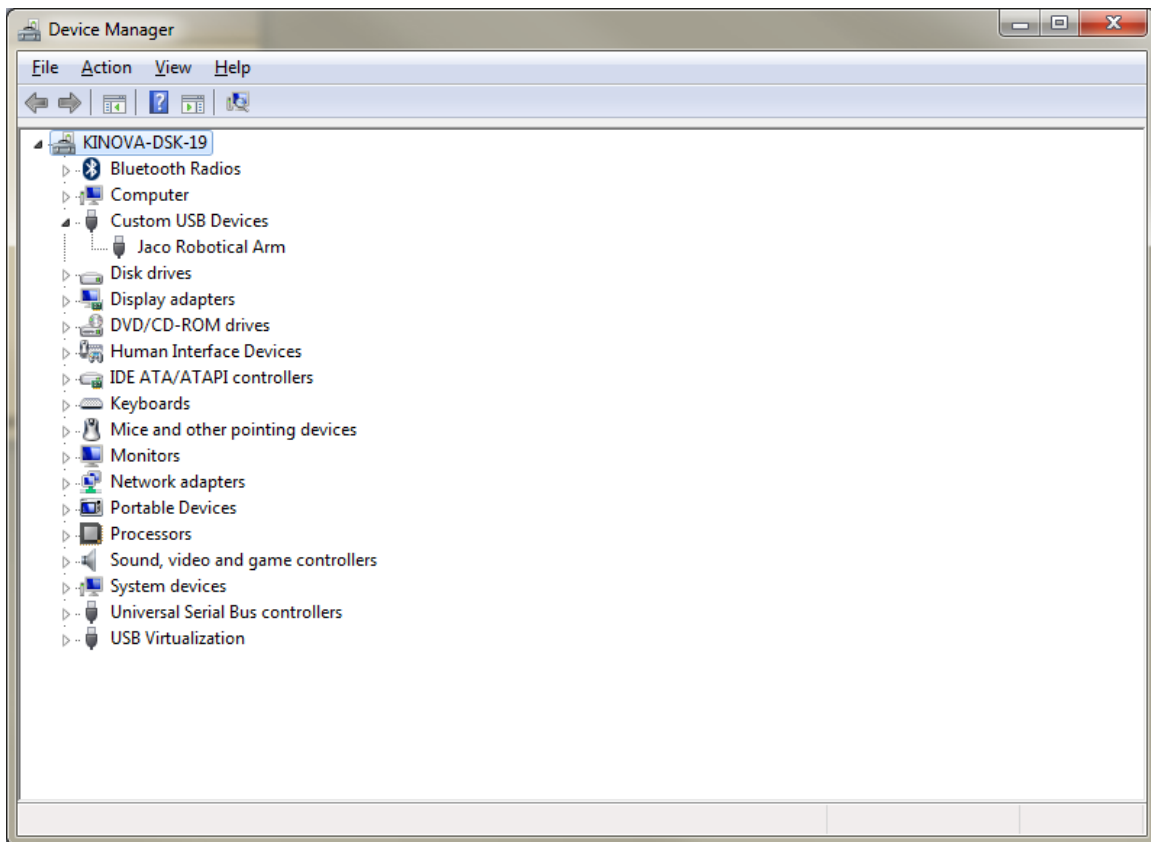
1. Plug the robotic arm JACO in the computer via a USB cable. Turn the robotic arm on and the OS will detect the arm automatically as an unknown device. If you click on the message you may see something like the image below. No problem it is normal.



2. Open the control panel and it should shows that there is a JACO robotic arm in the [Other devices] section. Right-click on it and go in the properties section.
3. Press the button to update the driver and choose [Browse my computer for driver software]
4. Select the [Drivers folder from the software package] folder. The system will find a driver but will show a publisher warning. Don't worry and install it anyway.



5. Installation is completed. To verify it, go back in the device manager and you should see that now, you have a custom USB device that works properly.

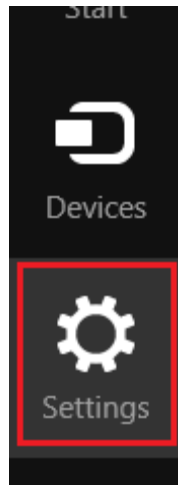


4. Windows 8

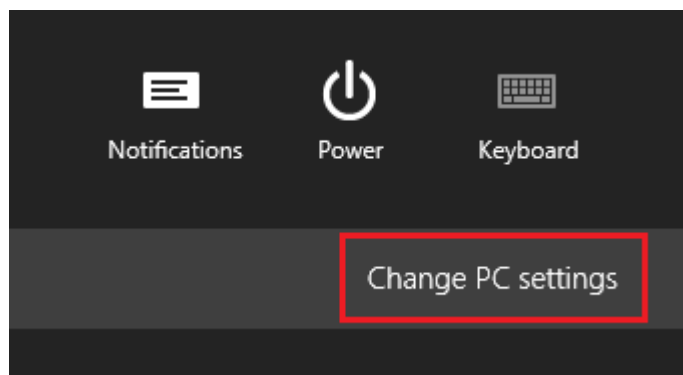
This section describes how to install the JACO's drivers under Windows 7.

4.1 Installation

1. Move your mouse to the bottom-right corner of the screen and click on the button Settings.

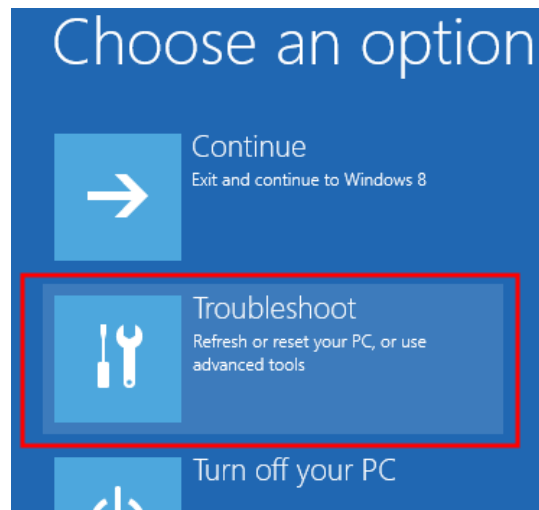


2. Click on the button Change PC settings located at the bottom of the menu.

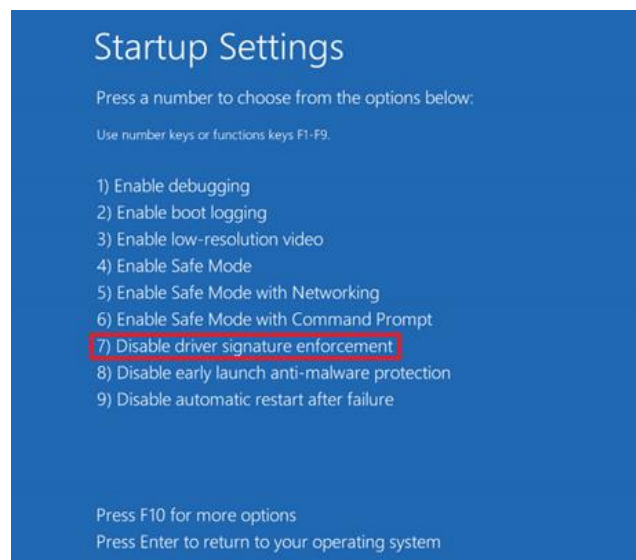


3. Select the sub-menu Update and recovery.
4. Select the sub-menu recovery.
5. Click on the button Restart Now located in the Advance startup section.
6. Wait until it restart.

7. Select Troubleshoot.



8. Select Advanced options.
9. Select Startup Settings.
10. Click on the button Restart.
11. Press the key F7 on your keyboard to disable the driver signature enforcement.



12. Install the driver the same way as in Windows 7 via the device manager. To access the device manager, right click on the bottom-left corner of the screen and select Device Manager.

5. Ubuntu

This section describes how to setup a Ubuntu terminal to communicate with the robotic arm JACO.

5.1 Installation

1. You have to install the package libusb-1.0-0. To install it, open a terminal and type the command:

sudo apt-get install libusb-1.0-0

1. You have to install the package build-essential. To install it, open a terminal and type the command:

sudo apt-get install build-essential

2. The Kinova Debian package can be found here: [Location: API -> Ubuntu -> 32Bits/64Bits] or here: [Drivers -> Ubuntu -> 32Bits/64Bits]. You can install it by typing the command:

sudo dpkg -i [The package with the correct path]

3. Installation is completed!

6. Contact support

If you need help or have any questions about this product, this guide or the information detailed in it, please contact a Kinova representative at

Support@KinovaRobotics.com

We value your feedback!



355 Peel, #301
Montréal, Québec (Canada)
H3C 2G9

www.KinovaRobotics.com