KINOVA ROBOTICS

RELEASE NOTE

RELEASE NOTE NUMBER	RN_PS00000007_1.5.1	REVISION	01

PART NUMBER	DESCRIPTION	NEW REVISION	SUPERSEDED REVISION
PS 0000 0007	MICO 2 Service software package	1.5.1	1.5.0
KR10594	Development Center (SDK GUI) for MICO 2	1.5.1	1.5.0
KR10596	Kinova API	N/A	6.1.0

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TARGET AUDIENCE: PRODUCTION / COMMERCIAL RELEASE	
REFERENCE DOCUMENTS	*ECO_2018-148* *RN_FS0CPP0008_6.2.5_R02* *RN_FS0CPP0009_6.2.5_R02* *RN_KR10596_6.1.0_R01*

1 Scope

This package is to be used in conjunction with MICO 4 DOF and MICO 6 DOF.

2 Compatibility matrix

Item ID	Revision	Item description
FS 0CPP 0008	6.2.5	DSP for MICO 6DOF
FS 0CPP 0009	6.2.5	DSP for MICO 4DOF

3   Description of new features

Component	Feature	Description
PS 0000 0007	Show Arm Type in Dev Center (FW2-864)	The Update tab in the General Settings window now displays the arm's firmware type.
PS 0000 0007	Remove the firmware files from the package	The firmware files have been removed from the package and the Reset Tools have been modified to inform the user as to where to download the files on the website and how to rename them. The files are now hosted on the Kinova website at https://www.kinovarobotics.com/knowledge-hub/gen2-ultra-lightweight-robot.
PS 0000 0007	Remove the user guides from the package	The user guides are now hosted on the Kinova website at https://www.kinovarobotics.com/knowledge-hub/gen2-ultra-lightweight-robot and have been removed from the package.

4   Resolved Issues

Issue ID	Summary / Changes
FW2-675	In the General Monitoring tab, the type of the connected devices on the right side of the window is no longer cropped because a horizontal scrollbar has been added.
FW2-865	In the Virtual Joystick window, in the Angular tab, the Open and Close fingers buttons now work if the arm has not been homed yet.
FW2-867	On certain Ubuntu architectures, the checkboxes and radiobuttons in the GUI would not show when unchecked. The look of these elements has been changed so they are always visible, on all platforms.

5   Known Issues

Issue ID	Summary
FW2-784	Changing the arm model makes the Client information disappear.
FW2-868	Unplugging the arm or powering it off in the middle of a firmware flash is flagged as a success by the Development Center.

6   Limitations

6.1   Multi-joystick inputs and research interface

The multi-joystick inputs control functions and of research interface are only available through the Ethernet interface, there are not available through the USB interface.

The examples provided for the multi-joystick inputs of the research interface are only available for Ubuntu under Examples/Example_Ethernet_JoystickMulti and
Examples/Example_Ethernet_ResearchInterface.

The Development Center (SDK GUI) for JACO 2 (KR10594) v1.5.0 in this package includes the Kinova API 6.1.0 and examples which do not support the research interface and the multi-joystick input.

6.2 Maintenance tool on Ubuntu

The maintenancetool executable on Ubuntu must be run with sudo for it to work properly.

7 Special instructions

7.1 Uninstalling the old Development Center

You will have to uninstall the old Development Center if you already had it installed on your computer.

1- Go to the installation folder and run the *maintenancetool* executable (run it as root on Ubuntu).
2- Choose the Remove All Components option.
3- Click Next.
4- Click Uninstall.

7.2 Uninstalling the old Kinova Arm driver

On Windows, you will also have to remove the old Kinova Arm driver before installing the new one.

1- Plug in a Kinova Arm by USB in your computer and power it on.
2- Open the Device Manager.
3- Open the Universal Serial bus Devices.
4- Right click the Kinova Device and click Uninstall device.
5- Check Delete the driver software for this device.
6- Click Uninstall.

7.3 Installation of the Windows package

1- Execute *vc_redist_x86.exe*
2- Execute *Kinova-Jaco-Usb-Driver-(usblib)-Installer.exe* to install the JACO driver
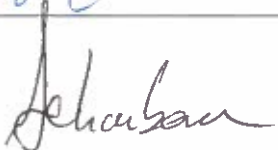3- Execute *SDK_MICO_1_5_1_x86.exe*

7.4 Installation of the Ubuntu package

1- Execute the script installSDK64.sh or installSDK32.sh depending on the platform.

At the root of the package, you will an icon file SDK.png. It can be used for launchers and shortcuts.

The installation instructions are also in the ReadMe.txt files in the package.

8 Approvals

APPROVED BY	SIGNATURE	DATE
ENGINEERING Name: Hugo Lamontagne Function: Software dev		2019-01-30
QUALITY ASSURANCE Name: Guillaume Charbonneau Function: QA Engineer		2019-01-30