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APPLICATION NOTE

# CP600

## PATCH FOR PANEL BUILDER V4.0.1 FOR IRC5 ROBOT CONTROLLER CONNECTION



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# 1 Introduction

## 1.1 Scope of the document

In Panel Builder Ver 4.0.1 (462) the driver “ABB IRC5 Linux” is installed in version 1.0.4.

This version 1.0.4 of “ABB IRC5 Linux” driver does not read and write boolean tags to and from the robot controller. (All other tag types are read and written correctly.)

With the patch “IR5L-103-PanelBuilder600-v4.0.1.78.exe” the version of the driver is rolled back to version 1.0.3, which is working fine for all tags.

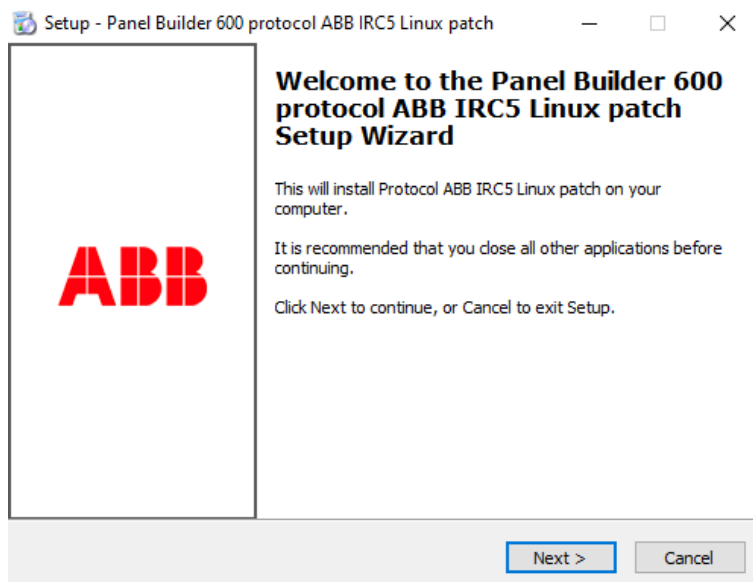
In the following document the steps are described, how to install this patch.

## 1.2 Compatibility

The patch “IR5L-103-PanelBuilder600-v4.0.1.78.exe” is necessary for the use with Panel Builder V4.0.1 (462) if a communication from one of the following panels is used to an IRC5 robot controller and boolean tags should be read or written.

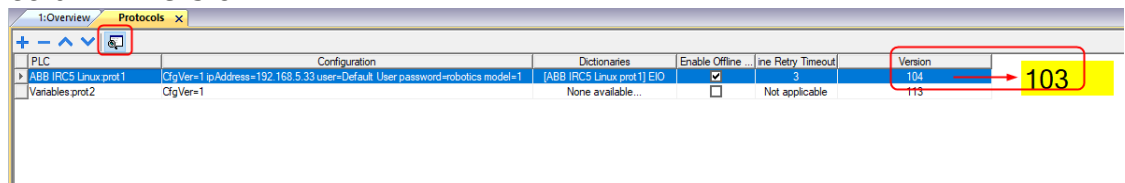
- CP604, CP607, CP610
- CP6407, CP6410, CP6415
- CP6605, CP6607, CP6610, CP6615 or CP6621

## 1.3 Overview



## 2 Install patch

- Open the Panel Builder 4.0.x installation folder on PC, mostly:  
C:\Program Files (x86)\ABB\Panel Builder 600 Suite 4.0
- Go to the \target\protocols\UN60\_LinuxOE subfolder, mostly:  
C:\Program Files (x86)\ABB\Panel Builder 600 Suite 4.0\target\protocols\UN60\_LinuxOE
- **Delete** the **libIR5L.so** file
- Go to the \target\protocols\WIN32 subfolder, mostly:  
C:\Program Files (x86)\ABB\Panel Builder 600 Suite 4.0\target\protocols\WIN32
- **Delete** the **IR5L.dll** file
- Now launch the installer provided  
**IR5L-103-PanelBuilder600-v4.0.1.78.exe**,  
it will install the required files.
- Re-Open the project in Panel Builder 4.0.1 and check that the version for the driver “ABB IRC5 Linux” has changed to version 103.  
Open the protocols, check the magnifier icon and scroll to the right to column “Version”



PLC	Configuration	Dictionaries	Enable Offline ...	Line Retry Timeout	Version
ABB IRC5 Linux prot1	CfgVer=1 IpAddress=192.168.5.33 user=Default User password=robotics model=1	ABB IRC5 Linux prot1 EIO	<input checked="" type="checkbox"/>	3	104
Variables prot2	CfgVer=1	None available...	<input type="checkbox"/>	Not applicable	113

- To take effect the panel project needs to be re-downloaded on the panel.

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ABB Automation Products GmbH  
Eppelheimer Straße 82  
69123 Heidelberg, Germany  
Phone: +49 62 21 701 1444  
Fax: +49 62 21 701 1382  
E-Mail: [plc.support@de.abb.com](mailto:plc.support@de.abb.com)  
[www.abb.com/plc](http://www.abb.com/plc)

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