

# Logena Service Tool DMUX32 Plugin Instructions v1.01

Author: René van Ruiten  
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Page 1 of 25

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# 1 History

Issue	Date	Author	Remarks
1.00	2009-12-14	R. van Ruiten	1 <sup>st</sup> issue
1.01	2010-03-29	R. van Ruiten	See Revision History

Table 1: History of Logena Service Tool DMUX32 Plugin Instructions v1.01

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## 3 Terms and Abbreviations

### 3.1 Terms

0

### 3.2 Abbreviations


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## 4 Installation

This chapter describes the steps to install the Logena Service Tool DMUX32 Plugin

### 4.1 Hardware Requirements

- 25MB of free space on your hard disk.

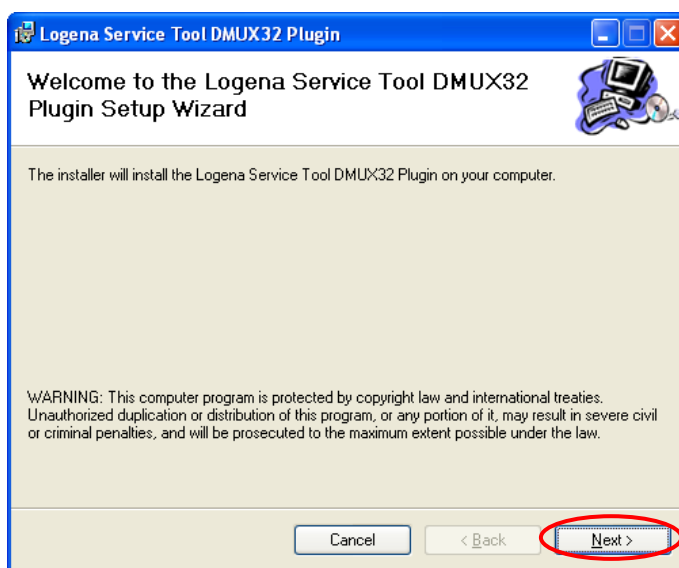
### 4.2 Software Requirements

- The use of DMUX32 Plugin requires that the Logena Service Tool has been installed.
- Windows Administrator rights are required for installation and normal use of the DMUX32 Plugin.

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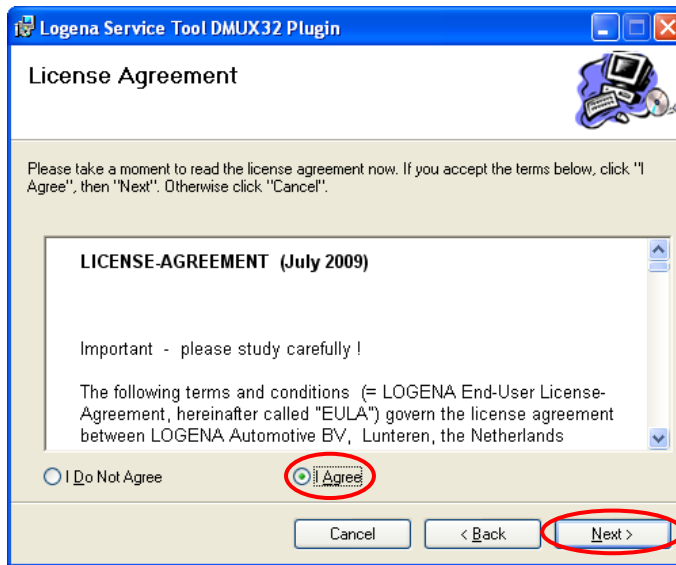
### 4.3 Installation of DMUX32 Plugin

- Uninstall all previous versions of DMUX32 Plugin.  
(Start→Programs→Logena Automotive→Logena Service Tool→Uninstall DMUX32 Plugin).
  - Make sure that the USB Hardlock and the communication interface are not connected to the PC.
  - On the installation cd go to x:\Logena Service Tool Plugins\Logena Service Tool DMUX32 Plugin\Logena Service Tool DMUX32 Plugin v1.x.x.x
  - Start the installation by executing setup.exe.
  - Follow the prompts in the installation dialogue until installation is complete.
1. In the Welcome screen of the "Logena Service Tool DMUX32 Plugin Setup Wizard" click the "Next" button.

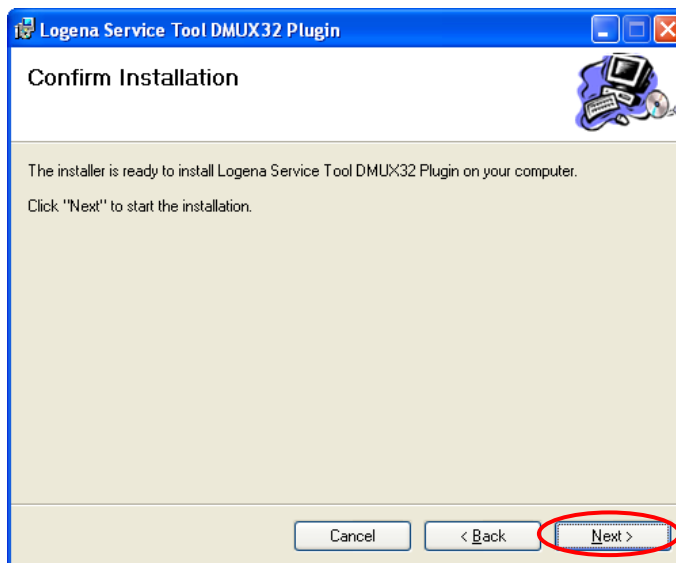


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2. Read the License Agreement carefully, when you agree with the License Agreement, check the box "I Agree" and click "Next".

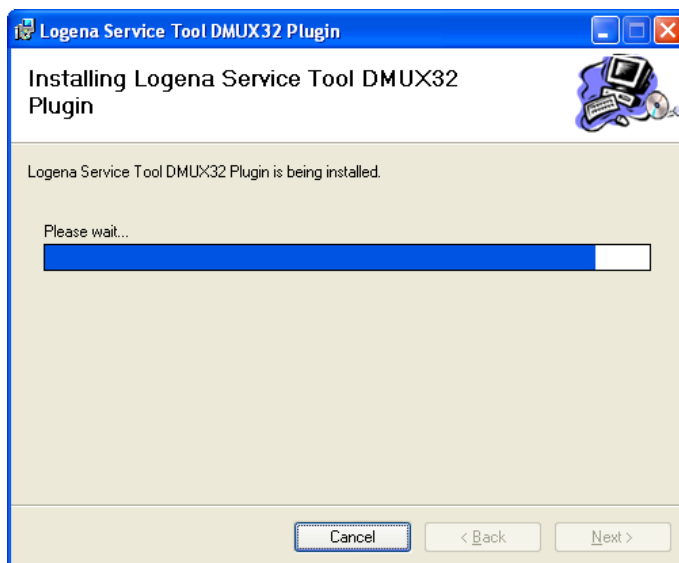


3. In the Confirm Installation screen, click the "Next" button.

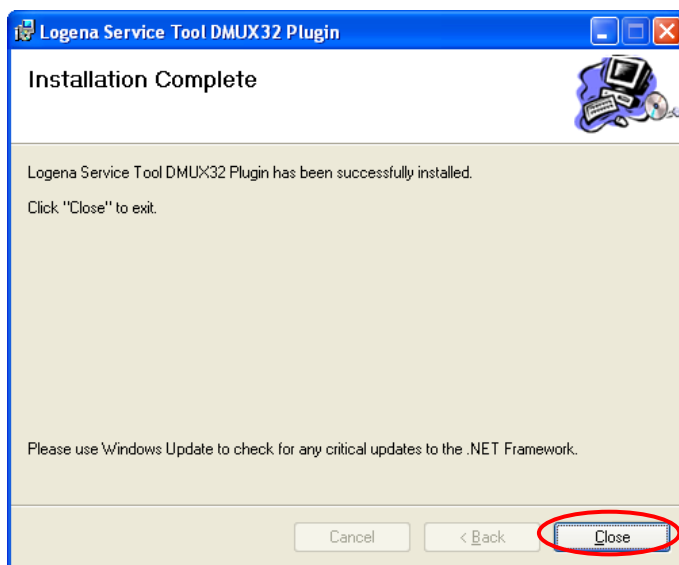


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4. The Installing Logena Service Tool DMUX32 Plugin screen appears, wait until the Logena Service Tool DMUX32 Plugin is installed.



5. When the installation is completed the Installation Complete screen appears, click the "Close" button.



The Logena Service Tool DMUX32 Plugin is now fully installed.

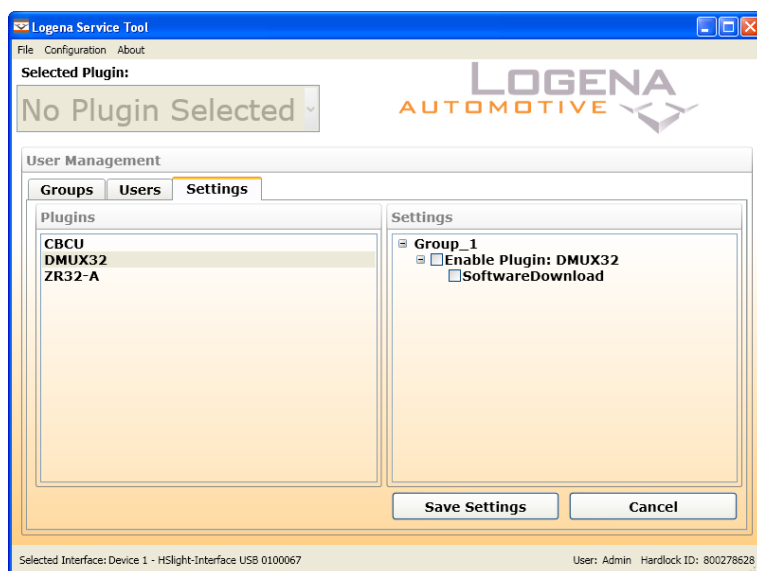
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## 5 DMUX32 Plugin

This chapter describes the functional usage of the Logena Service Tool.

### 5.1 Settings User Management

Before the DMUX32 plugin can be used the plugin must be configured. To access the DMUX32 plugin settings see chapter 8 References, reference 1. Logena Service Tool DMUX32 Plugin Developer Instructions v1.00.



To enable the plugin check the box for "Enable Plugin: DMUX32". In the user management settings the administrator can enable / disable the Software Download function per group. When an item is checked, this item is accessible for the user.

#### 5.1.1 Enable / Disable Functions

The following item can be checked:

- SoftwareDownload

SoftwareDownload:

Enables or disables the possibility to download software into the DMUX32.

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## 5.2 Starting the Logena Service Tool

1. Start the tool and login with a user other then "Admin".



2. After a successful login the following screen appears:



- Click on the "No Plugin Selected" dropdown box and select the DMUX32 plugin.

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3. When the DMUX32 plugin is selected the home screen of the DMUX32 appears.



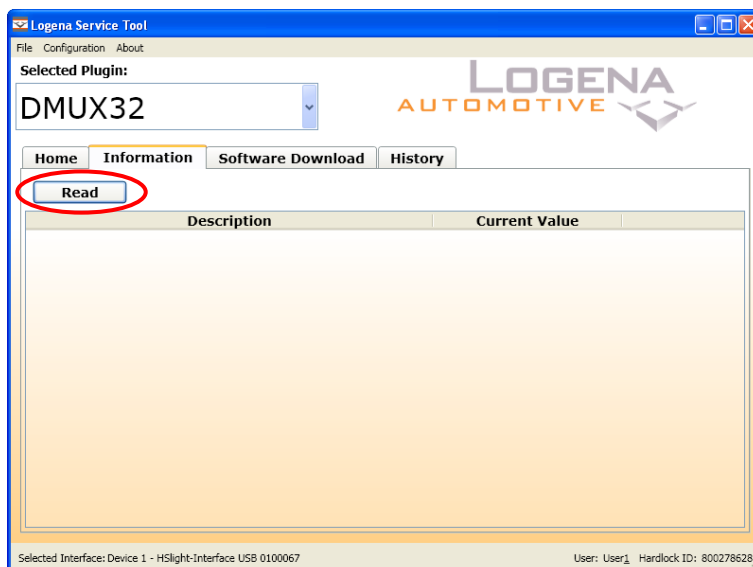
Different tabs can be selected, the usage of the tabs is explained in the following chapters.

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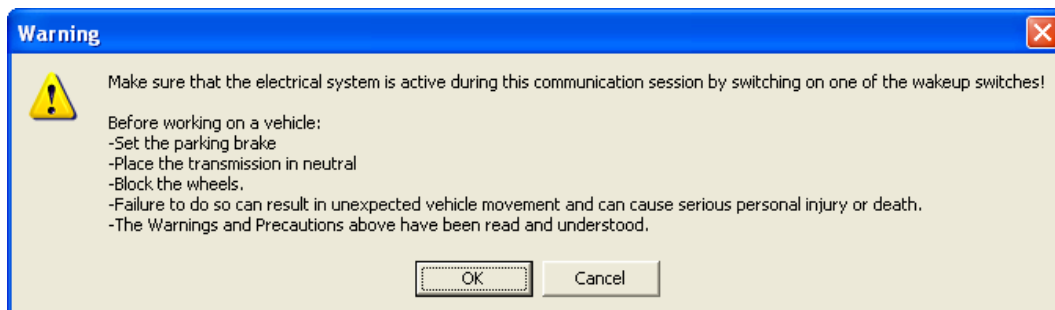
## 5.3 Read Information

Under the information tab, information can be read from the DMUX32. For example the DMUX32 Serial number.

1. To read the information from the DMUX32, click the "Read" button.



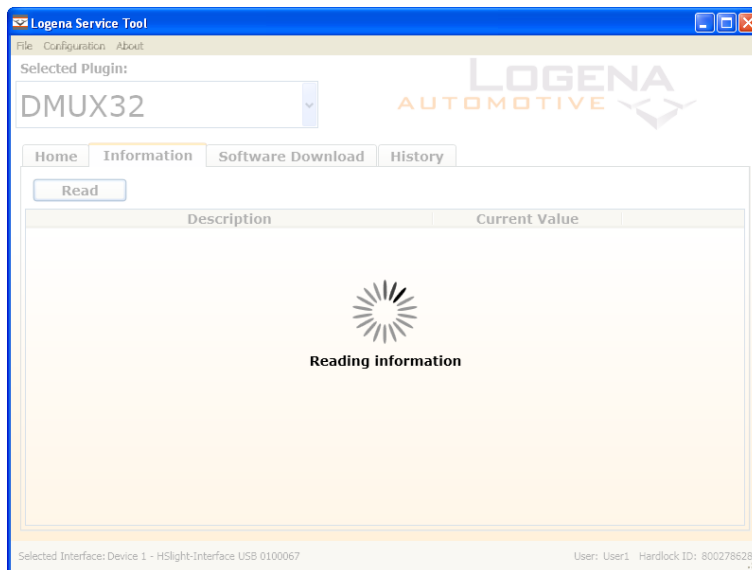
2. Every time the communication is started with the vehicle a warning message pops up:



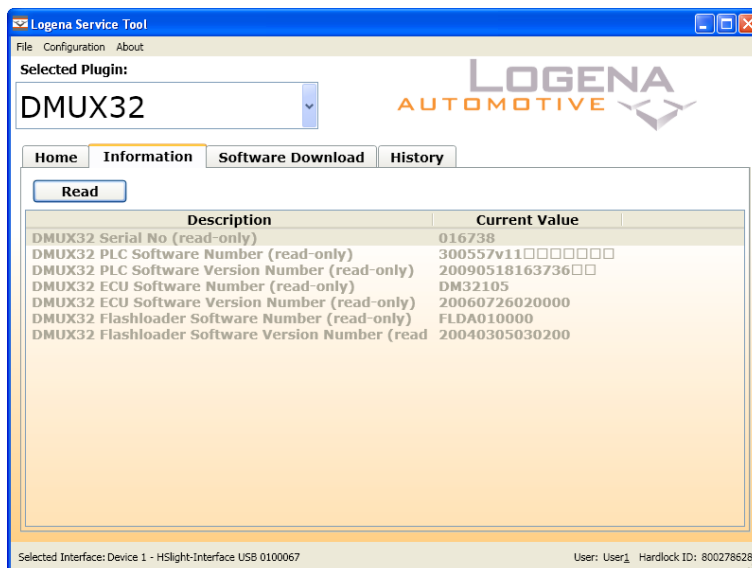
This warning reminds you to follow several safety precautions. Read this warning carefully, when all the warnings and precautions are read and understood, click the "OK" button, otherwise click the "Cancel" button.

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3. The Information screen shows progress sign with the text: Reading Information.



4. When the information read was successful the DMUX32 information is displayed.

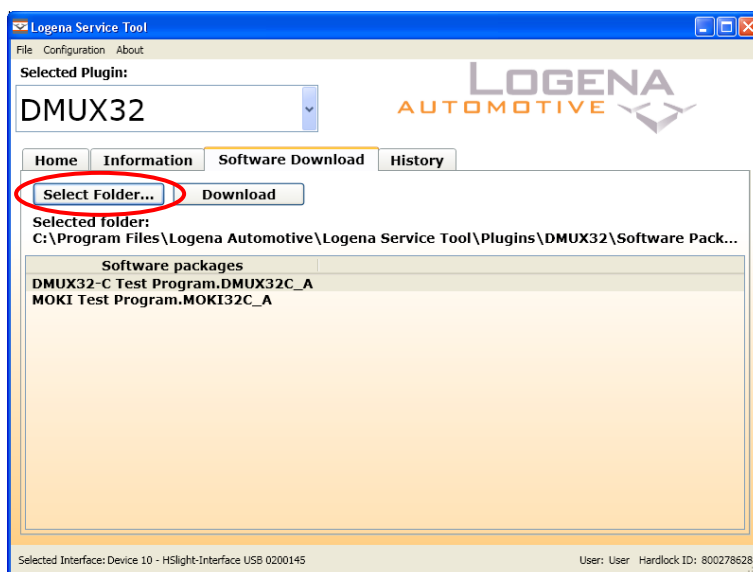


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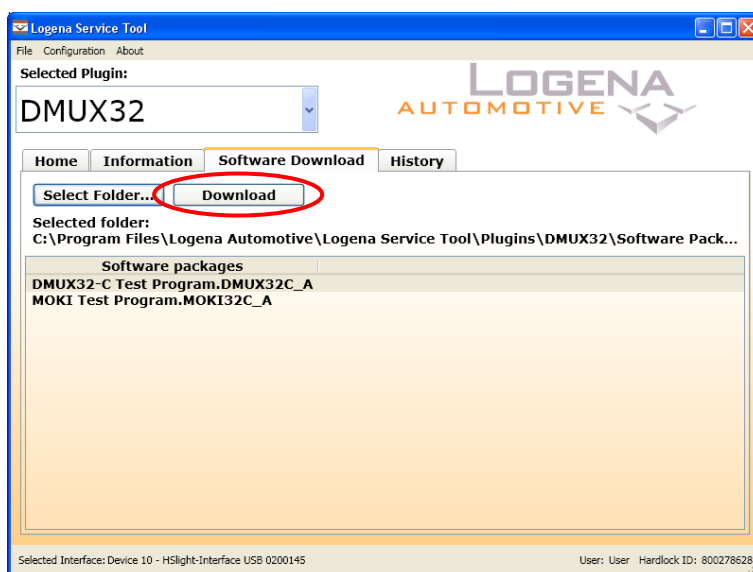
## 5.4 Software Download

Under this tab new software can be downloaded into the DMUX32

1. Select a file to download into the DMUX32. The standard folder for the Software Packages is: C:\Program Files\Logena Automotive\Logena Service Tool\Plugins\DMUX32\Software Packages. When a download package with the right extension is placed in this folder, it is displayed in the Software packages list. The extensions that are accepted are \*.DMUX32C\_A and \*.MOKI32C\_A. If you desire another folder for the DMUX32 download packages, select the folder in which the download files are located by clicking the "Select Folder" button and navigate to the desired folder.

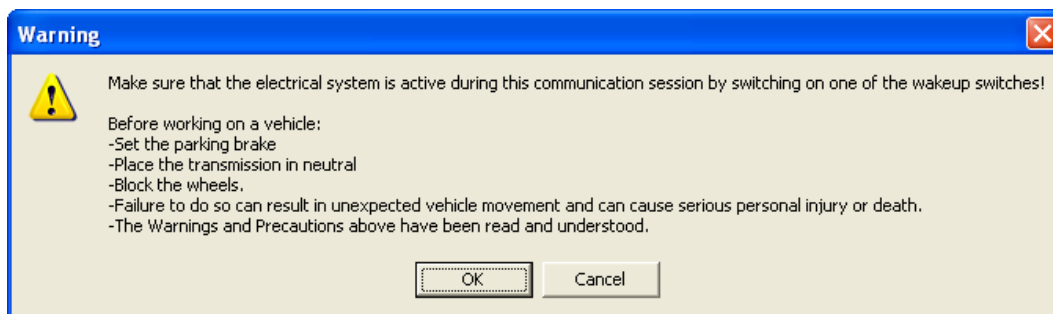


2. To download software to the DMUX32, select the software package to download and click the "Download" button.



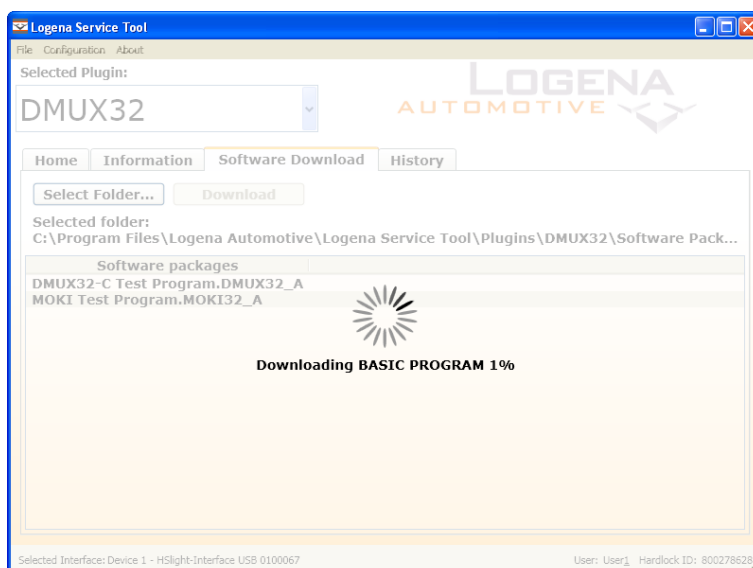
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- Every time the communication is started with the vehicle a warning message pops up:



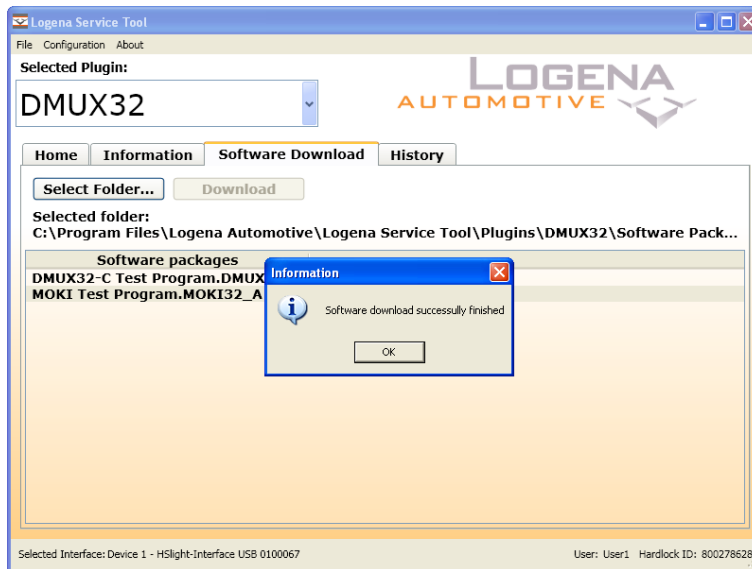
This warning reminds you to follow several safety precautions. Read this warning carefully, when all the warnings and precautions are read and understood, click the "OK" button, otherwise click the "Cancel" button.

- While the software is being downloaded the different states of the download are displayed in the busy screen.



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When the busy screen disappears, the popup "Software download successfully finished" is displayed. Click "OK".

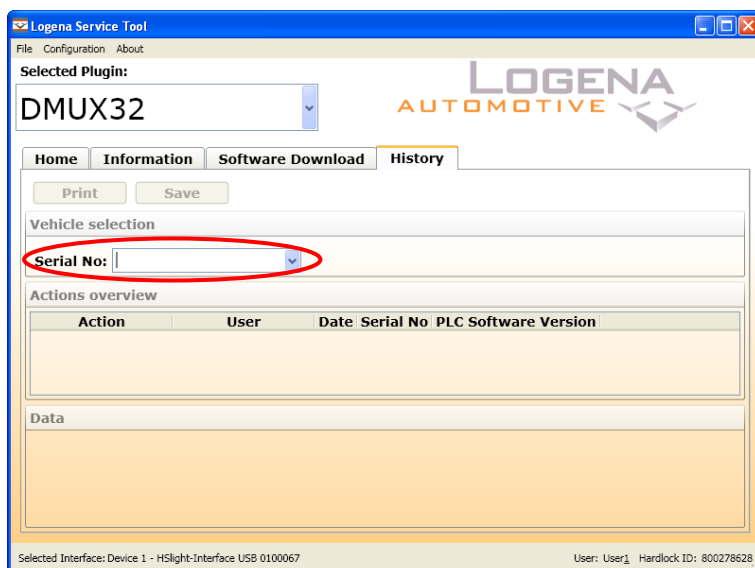


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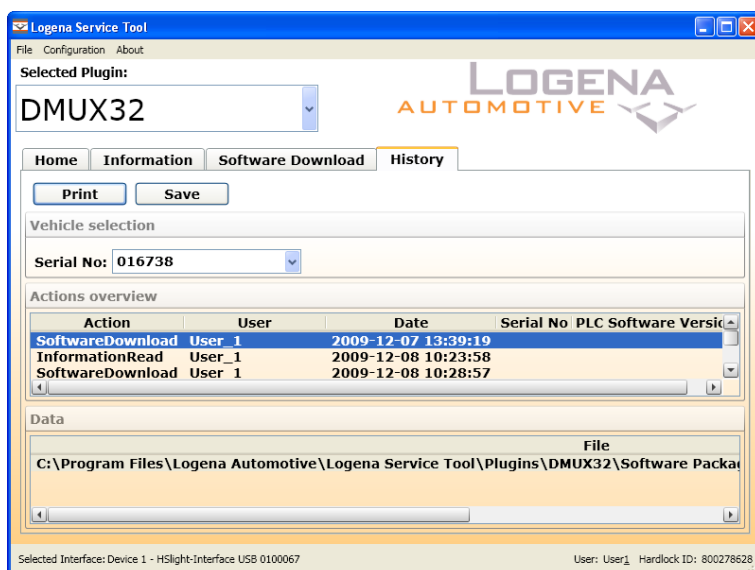
## 5.5 History tab

All read and download actions are saved in the History tab. The history actions can be viewed per DMUX32 Serial No.

1. Select a DMUX32 Serial No, to see the history of actions performed on the specific vehicle.

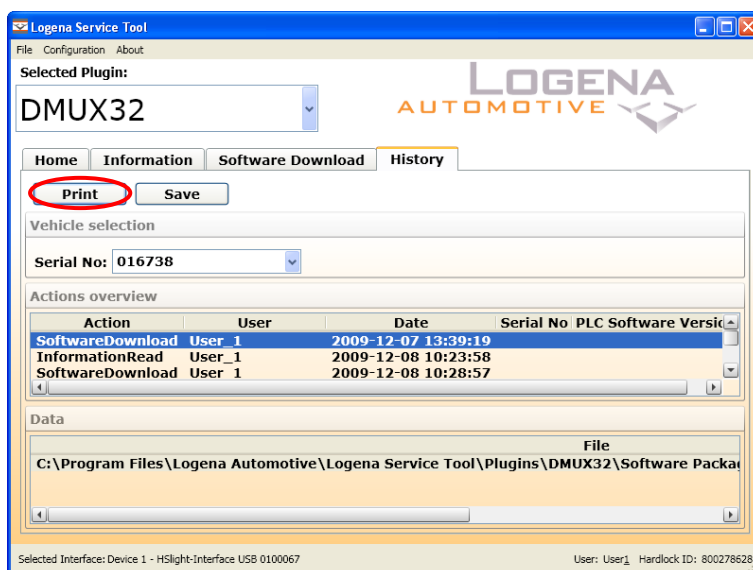


2. In the "Actions overview" column all the actions for the chosen vehicle are displayed. Select an action to view the information of the action in the "Data" column.

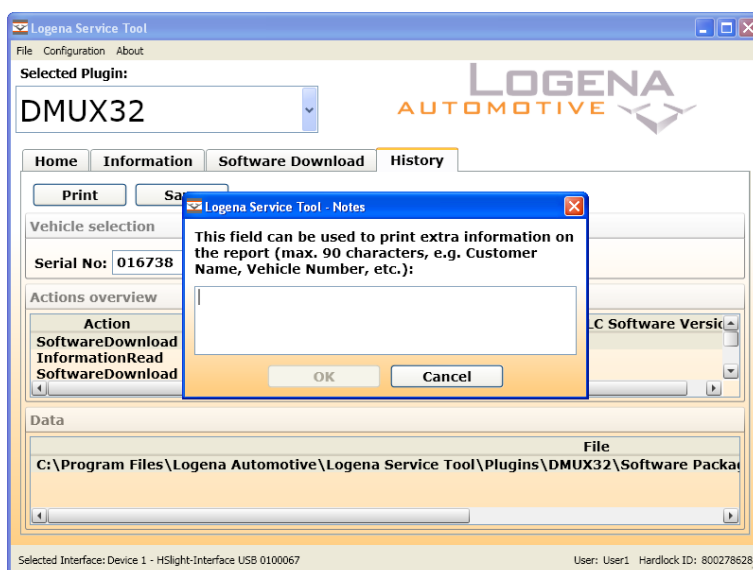


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- It is possible to print a report of the action that is selected by clicking the "Print" button.

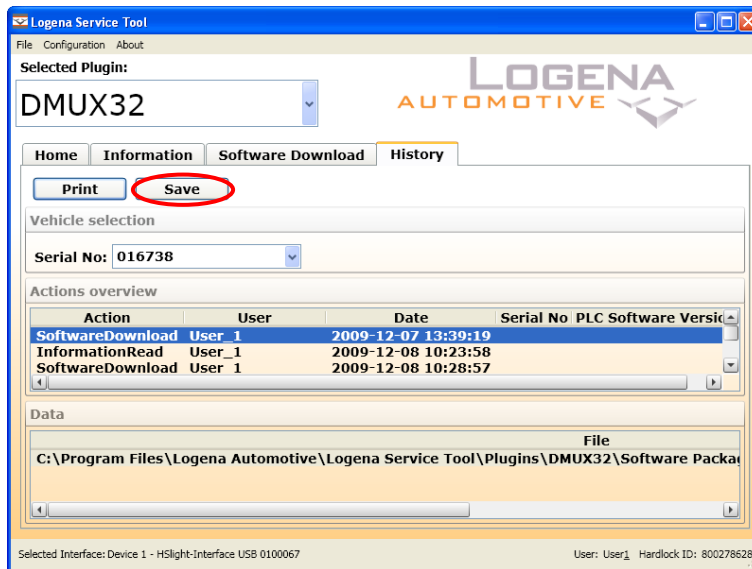


- A window pops up, in this window additional information must be filled in. Click the "OK" button to proceed the printing of the report. A standard Windows print window pops up, follow the standard steps to finish the printing of the report.

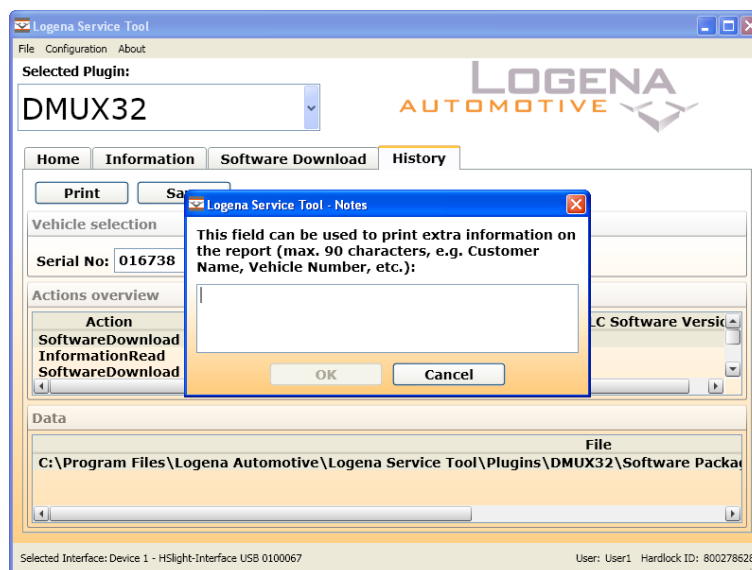


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5. Instead of printing a report, a report can also be saved. Click the "Save" button to save the report.

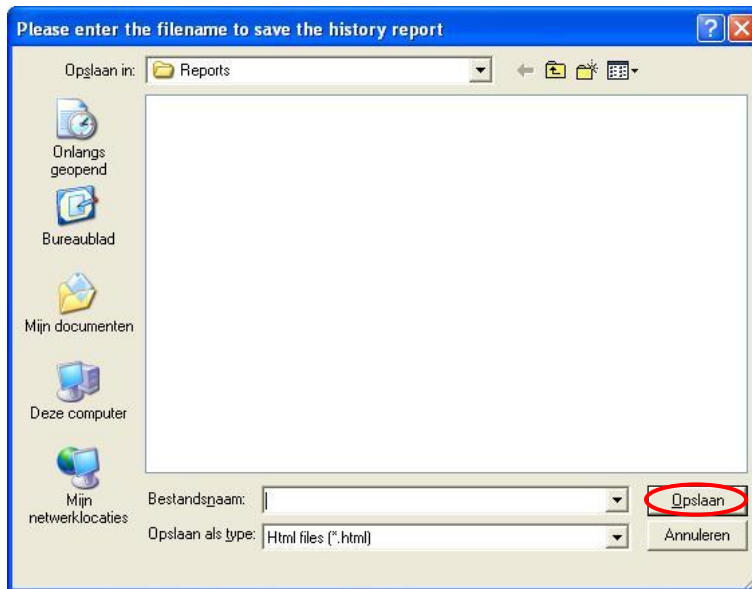


6. A window pops up, fill in the additional information and click the "OK" button.

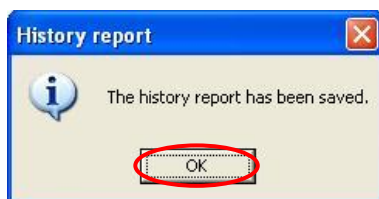


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7. The window to save the report pops up. Choose a name for the report and the folder to save the report in. The standard folder to save the reports in is:  
"C:\Program Files\Logena Automotive\Logena Service Tool\Plugins\DMUX32\Reports"  
Click the "Save" button to save the report.



8. The message that the report is saved successfully pops up, click "Ok" to confirm the message.



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## 6 Troubleshooting

Problem	Cause	Solution
Popup screen: "Code: 0x01010100 Communication Interface could not be found! Possible solutions: -verify connection to Communication Interface -(re)connect Communication Interface -verify Serial Number of Communication Interface"	Initializing of device failed, not connected or wrong interface selected?	verify connection to Communication Interface -(re)connect Communication Interface -verify Serial Number of Communication Interface"
Popup screen: "Code: 0x010102xx Communication Failed! Possible solutions: -verify connection between Vehicle and Communication Interface -verify that the Communication Interface has power (check UBAT/POWER LED on Communication Interface) -verify that the Control Unit has power -verify that the Control Unit is awake (one of the wakeup switches is active)"	Starting communication failed	-verify connection between Vehicle and Communication Interface -verify that the Communication Interface has power (check UBAT/POWER LED on Communication Interface) -verify that the Control Unit has power -verify that the Control Unit is awake (one of the wakeup switches is active)
Popup screen: "Code: 0x01010312 Action failed! Possible cause: -no program loaded in DMUX32"	Starting diagnostic session failed, probably no program loaded	-no program loaded in DMUX32

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Problem	Cause	Solution
<p>Popup screen: "Code: 0x01010600 Communication Interface could not be found! Possible solutions: -verify connection to Communication Interface -(re)connect Communication Interface -verify Serial Number of Communication Interface"</p>	<p>Initializing of device failed, not connected or wrong interface selected?</p>	<p>-verify connection to Communication Interface -(re)connect Communication Interface -verify Serial Number of Communication Interface</p>
<p>Popup screen: "Code: 0x010107xx Communication Failed! Possible solutions: -verify connection between Vehicle and Communication Interface -verify that the Communication Interface has power (check UBAT/POWER LED on Communication Interface) -verify that the Control Unit has power -verify that the Control Unit is awake (one of the wakeup switches is active)"</p>	<p>Starting communication failed</p>	<p>-verify connection between Vehicle and Communication Interface -verify that the Communication Interface has power (check UBAT/POWER LED on Communication Interface) -verify that the Control Unit has power -verify that the Control Unit is awake (one of the wakeup switches is active)</p>
<p>Popup screen: "Code: 0x01010812 Action failed! Possible cause: -no program loaded in DMUX32"</p>	<p>Starting diagnostic session failed, probably no program loaded</p>	<p>-no program loaded in DMUX32</p>
<p>Popup screen: "Code: 0x01070200 Importing download file failed!"</p>	<p>Importing DM32105.BIN failed, the file is corrupt</p>	

		Date:	Department:
Designed by:	rene.van.ruiten@logena.com	2010-03-29	Engineering
Released by:	rene.van.ruiten@logena.com	2009-03-29	Engineering
Designation: Logena Service Tool DMUX32 Plugin Instructions v1.01		Version: 1.01	Status: draft / <b>released</b> / obsolete
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Problem	Cause	Solution
Popup screen: "Code: 0x00070300 Importing download file failed!"	Importing DM32105.BIN failed, the file is corrupt	
Popup screen: "Code: 0x01070300 Importing download file failed!"	Importing PROG.VRS failed, the file is corrupt	

Table 2: Error Codes Logena Service Tool DMUX32 Plugin Instructions v1.01

Designed by: rene.van.ruiten@logena.com		Date: 2010-03-29	Department: Engineering
Released by: rene.van.ruiten@logena.com		2009-03-29	Engineering
Designation: Logena Service Tool DMUX32 Plugin Instructions v1.01		Version: 1.01	Status: draft / <b>released</b> / obsolete
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## 7 Revision History

Revision Number	Changes	Remarks
1.00	1 <sup>st</sup> issue	
1.01	Updated the Software package extensions	

Table 3: Revision History Logena Service Tool DMUX32 Plugin Instructions v1.01

Designed by:	rene.van.ruiten@logena.com	Date:	2010-03-29	Department:	Engineering
Released by:	rene.van.ruiten@logena.com		2009-03-29		Engineering
Designation:	Logena Service Tool DMUX32 Plugin Instructions v1.01	Version:	1.01	Status:	draft / <b>released</b> / obsolete
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## 8 References

1. Logena Service Tool DMUX32 Plugin Developer Instructions v1.xx  
(Developer Guideline)

		Date:	Department:
Designed by:	rene.van.ruiten@logena.com	2010-03-29	Engineering
Released by:	rene.van.ruiten@logena.com	2009-03-29	Engineering
Designation: Logena Service Tool DMUX32 Plugin Instructions v1.01		Version: 1.01	Status: draft / <b><u>released</u></b> / obsolete
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