

WebAssistant

Software

Release Notes



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1 Important information

1.1 Product information

For the latest information on our products, go to <https://www.boschrexroth.com>.

1.2 General information

From version 1.2.24, the WebAssistant does not support Internet Explorer by Microsoft anymore. Google Chrome is recommended as the development engineers use Google Chrome as basis for development.

The WebAssistant can be used for MLC/XLC across version and as the IMST, it is used from versions 12V10, 13V06 or 14V02.

1.3 Licenses

The use of "customer-specific images" function in the WebAssistant is subject to a license. Licenses are available for each control over the known distribution channels.

1.4 WebAssistant status

The WebAssistant replaces the IMST (IndraMotion Service Tool) on the Motion Control platforms MLC and XLC. Up to firmware version 14V22 P1, the IMST is still part of the firmware. When entering the IP address of the control in the browser, the IMST is displayed. From firmware version 14V22 P2, the WebAssistant is part of the firmware.

Install the WebAssistant to work with it (refer to [chapter 1.7 "Installing the WebAssistant" on page 2](#)) to use it on a firmware $\leq$ 14V22 P1.



Errors in the IMST are not resolved anymore. The identified problems are taken into consideration during the development of the WebAssistant.

1.5 Compatibility

1.5.1 Restoring the archive

Due to an incompatible change in the control firmware 14V22 P1, old archives (IMST or WebAssistant) created with a firmware version $<$ 14V22 P1 can only be restored on a control with firmware version $<$ 14V22 P1.

Restoring on a firmware version $\geq$ 14V22 P1 is blocked. Entries in the restore dialog are grayed out. The dialog contains an information icon "i" providing information about the behavior.



It is recommended to store a complete archive of all data to be backed up on the control to restore a parameter set of a drive in case of a service call for example.

1.5.2 Writing drive parameters (S/P)

If the logic addresses of a drive are unequal to its Sercos address, writing of S- and P-parameters (e.g. in the parameter editor) is not possible in case of a firmware version $<$ 14V22 P1 and a message is output.

From firmware version 14V22 P1, writing of S- and P-parameters in case of a different logic address and Sercos address is possible.

Reading of drive parameters is always possible.

1.5.3 Restoring the boot project in the INIT state

After restoring in INIT state, the boot project is loaded by a control restart.

1.5.4 Selecting the parameter file in the control device replacement wizard

In the step "Restore axis configuration" of the control device replacement wizard (operating unit and programming module defective), a parameter file created in IndraWorks can be restored. However, this is only possible if the file contains parameter sets of an axis.

1.6 Missing functions

The functional scope of the WebAssistant is not completely identical to the functional scope of the IMST. However, the main functions are available. In case of other requirements on the functional scope of the WebAssistant, please contact your contact person at Bosch Rexroth.

1.7 Installing the WebAssistant

To substitute the IMST with the WebAssistant, install at least IMST version 14V18. Only from this version, IMST components are removed completely before the WebAssistant is installed. The WebAssistant would also be installed with previous IMST versions but would leave data fragments of the IMST on the CF card of the control and thus would unnecessarily use up memory.

The IMST version 14V18 is installed as follows: Documentation "IndraWorks IndraMotion Service Tool", chapter "5.9 Updating the IndraMotion Service Tool" After the current version has been downloaded from the eBusiness portal, the WebAssistant can be installed as the IMST.

If a new version of the WebAssistant has already been installed, an update installation is described in the following: Documentation "WebAssistant", chapter "4.23 Version update". Both the loading functions in the IMST and the WebAssistant are largely identical.

2 New functions

2.1 New functions of the WebAssistant 1.2.24

This chapter lists the new functions of the WebAssistant 1.2.24 since release 1.2.9.

Extension in control device replacement wizard (operating unit and programming module defective)	Executing the command sequence for SMO identification after Safety synchronization in the wizard
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Tab. 2-1: New functions of the WebAssistant 1.2.24

2.2 New functions of the WebAssistant 1.2.14

This chapter lists the new functions of the WebAssistant 1.2.14 since release 1.2.9.

Feature 88202	New wizard for control device replacement with SMO
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Tab. 2-2: New functions of the WebAssistant 1.2.14

2.3 New functions of the WebAssistant 1.2.9

This chapter lists the new functions of the WebAssistant 1.2.9 since the release 1.2.7.

→ No new functions.

2.4 New functions of the WebAssistant 1.2.7

This chapter lists the new functions of the WebAssistant 1.2.7 since the release 1.2.6.

→ No new functions.

2.5 New functions of the WebAssistant 1.2.6

This chapter lists the new functions of the WebAssistant 1.2.6 since the release 1.2.0.

Feature 82944	Usability improvements in the function back up/restore
Feature 79354	Support of optional function modules
Feature 13475	Diagnostic display revised for I/Os
Feature 54747	The "Login" dialog can be displayed using the URL attributes
Feature 61790	Sorting in the "Home" screen

New functions

Feature 36661	Filtering in the "Home" screen
Feature 56192	Displaying a ring break in the "Home" screen
Feature 75520	Using new corporate logo
Feature 28158	Subsequent address change in parameter groups
Feature 13383	Reboot information upon network setting changes
Feature 54739	Complete header is hidden on "Custom pages"
Feature 82818	Displaying disabled SIP channel in axis overview
Feature 82841	Displaying disabled SIP channel in the "Home" screen
Feature 52103	Index and acknowledgement are to be displayed in an Excel file for the diagnostic log
Feature 66291	All parameters of one device can be backed up
Feature 73082	Displaying the axis status in the "Open break" dialog
Feature 18224	The axis control device to be replaced can flash for signaling purposes
Feature 60400	Saving a parameter group with values is possible
Feature 50980	Reset user management

Tab. 2-3: *New functions of the WebAssistant 1.2.6*

3 Resolved errors

3.1 Resolved errors of the WebAssistant 1.2.27

This chapter lists the most error recoveries of the WebAssistant 1.2.27 since release 1.2.24.

Defdb00209 514	The function "Release brake" cannot be selected in ctrlX DRIVES
Defdb00209 336	In the Internet Explorer, some functions are displayed incorrectly on user pages
Defdb20959 6	The dialog to select the system information is sporadically not displayed completely. Consequently, no settings or only a few settings can be selected
Defdb00209 175	ctrlX DRIVE data is missing in the electronic type plate of the WebAssistant
Defdb00209 174	For drives of the ctrlX DRIVE series, the motor data is not displayed in the "system information"

Tab. 3-1: Resolved errors of the WebAssistant 1.2.27

3.2 Resolved errors of the WebAssistant 1.2.24

This chapter lists the error recoveries of the WebAssistant 1.2.24 since release 1.2.9.

Defdb00206 688	The "probe event" of a button is linked to a Boolean variable in the PLC. In the WebComposer, everything is working. After a custom page upload to the WebAssistant, the following message/toast is displayed: Writing failed! ERROR_WRONG_DATATYPE The error can be found in version 1.2.0 to 1.2.12
Defdb00208 324	When trying to open the system information using the Internet Explorer, the function freezes with the following message in the progress bar: "write data to html content"
Defdb00208 153	If all entries of "system overview" is disabled in the user management and if one or several subitems are enabled under "Axes" -> "Axis details", the entry "System overview" is not displayed in the navigation bar
Defdb00208 511	Restoring an archive using the WebAssistant is not possible if the control is in init mode
Defdb00208 733	WebAssistant1.2.22_Restore_AxisParameter_blocked_-_MLC-FWevaluation_incorrect
Defdb00208 471	WebAssistant1.2.14 - Renamed boot project is not saved using backup
Defdb00208 268	WebAssistant1.2.14 ExcData directory is missing in the ErrorLog
Defdb00208 100	WebAssistant_ID-Mi_X37_X38_DigitalIO_stateerror

Tab. 3-2: Resolved errors of the WebAssistant 1.2.24

3.3 Resolved errors of the WebAssistant 1.2.14

This chapter lists the error recoveries of the WebAssistant 1.2.14 since release 1.2.9.

Defdb00205866	An array of type int cannot be displayed in the chart widget
Defdb00205916	Parameter editor: Browsing of S+P parameters is not possible
Bug 109671	Axes assigned by the PLC are neither available in the control device replacement nor in the "Release brake" dialog
Bug 102282	Additional items are incorrectly displayed in the chart widget
Defdb00206336	The text "test version" can be found in the header of the system information, also in a released version
Bug 102907	Chart control cannot be used correctly when using an array
Bug 114370	Duplicate Sercos addresses are not detected
Defdb00206671	If a Sercos axis contains an encoder which is assigned to a real master axis on the MLC as encoder axis, the real axis is displayed in the Sercos address. The assignment is also interchanged in the axis overview page and the axis dialogs
Defdb00206444	In the system display, the value is not specified as hexadecimal number in the change index but as decimal number and does not match the type plate.
Defdb00206696	In the axis dialog "Set absolute measure", an incorrect tool tip is displayed and the measuring encoder is missing
Defdb00206688	The probe event cannot be used on the widget button
Defdb00206540	The table widget cannot be updated correctly
Bug 115934	Table values cannot be written

Tab. 3-3: Resolved errors of the WebAssistant 1.2.14

3.4 Resolved errors of the WebAssistant 1.2.9

This chapter lists the most error recoveries of the WebAssistant 1.2.9 since the release 1.2.7.

Defdb00204411	Device data cannot be completely restored from the project archive
Defdb00205810	An MLC update with the firmware 12VRS fails

Tab. 3-4: Resolved errors of the WebAssistant 1.2.9

3.5 Resolved errors of the WebAssistant 1.2.7

This chapter lists the most error recoveries of the WebAssistant 1.2.7 since the release 1.2.6.

Defdb00205438	WebAssistant: Applying the command "Safety Parameter" does not work in the control device exchange wizard
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Tab. 3-5: Resolved errors of the WebAssistant 1.2.7

3.6 Resolved errors of the WebAssistant 1.2.6

This chapter lists the most important error recoveries of the WebAssistant 1.2.6 since the release 1.2.0.

Bug 65932	Values beyond the min/max values range cause problems for the "Input field extended" widget
Bug 52033	Screen properties of referenced screens are lost
Bug 61404	Reference variables stop working if there are more than two levels (screen in screen in screen)
Bug 62631	SystemInfo freezes if third-party device connected to MLC
Bug 79362	Screen variables do not work for referenced screens in PLC array
Bug 67359	Retain variables are not backed up
Bug 65930	Real values are displayed as Int value in the "Input field extended"
Bug 62298	Write permission for parameter groups missing after update
Bug 40728	List parameters cannot be edited
Bug 82673	VPx does not provide FirstTouch
Bug 86847	Downgrade to IMST is not possible in the WebAssistant 1.2.5
Bug 66862	Detailed view cannot be opened for virtual axes
Bug 61561	Defdb00196972/Defdb00203433 Drive parameters (S/P) are backed up via the MLC in an incorrect format.
Bug 62798	Second line in EFC in SysInfo is not displayed anymore after a firmware update
Bug 74033	WebAssistant does not display values for function groups
Defdb00200156	PLC application can neither be started nor stopped using the "PLC" button

Tab. 3-6: Resolved errors of the WebAssistant 1.2.6

4 Known problems

4.1 Known problems without version restriction

4.1.1 Defdb00205942 No update to a different WebAssistant version possible anymore

Description



This error is only relevant if versions older than 1.2.9 are uploaded to controls with firmware versions later than 14V22 patch 1 or 15V02.

Do not install a WebAssistant version older than 1.2.9 if the firmware version is 14V22 patch 2 or 15V04 and above. Otherwise, an update of the original WebAssistant version is deleted on the system partition. Thus, it is not possible anymore to update the WebAssistant. The message "Invalid WebAssistant file" is displayed and the update is canceled. The workaround described is now the only option for an update.

Workaround

Open the file manager in the "Tools" menu, go to the directory "USER\WEBROOT\images" and delete the file "yeoman.c582c4d1.png". The ID c582c4d1 is a random combination. Subsequently, the update can be executed again.

4.1.2 Defdb00207716 Link to emergency update of the IMST or the WebAssistant is incorrect in older firmware versions



This problem only applies to MLC FW older than 12V12 or 13V06.

In case of older firmware versions, the link accesses the emergency update page. This page is only displayed if the IMST or WebAssistant update failed.

In older firmware versions, this link is the correct link to access the update emergency page:

<http://IP address of the control/WEBUserFiles/imstdl.html>

Link on the same page in newer firmware versions:

<http://IP address of the control/UserWEBROOT/imstdl.html>

4.1.3 Array indexes in user-defined pages

PLC arrays can be used with a variable array index. Please note that this index cannot be a PLC variable. This index has to be realized by a screen variable.

Example:

Variable array access:

```
ns=2;s=.arPlcArray[screenVariables.nIndex]
```

An array of the PLC "arPlcArray" is selected using a variable index, realized as ScreenVariable.

The index cannot be realized with another PLC variable. A PLC index would not be updated during the runtime of the user-defined page.

Another restriction: arrays of screen variables. Screen variables cannot be indexed as variables. The index is always fixed for these array and cannot be changed during runtime of the user-defined page. Thus, the following code would always access the same array element:

```
screenVariables.arScreenArray[screenVariables.nIndex]
```

5 Service and support

Our worldwide service network provides an optimized and efficient support. Our experts offer you advice and assistance should you have any queries. You can contact us **24/7**.

Service Germany Our technology-oriented Competence Center in Lohr, Germany, is responsible for all your service-related queries for electric drive and controls.

Contact the **Service Hotline** and **Service Helpdesk** under:

Phone:	+49 9352 40 5060
Fax:	+49 9352 18 4941
E-mail:	service.svc@boschrexroth.de
Internet:	http://www.boschrexroth.com

Additional information on service, repair (e.g. delivery addresses) and training can be found on our internet sites.

Service worldwide Outside Germany, please contact your local service office first. For hotline numbers, refer to the sales office addresses on the internet.

Preparing information To be able to help you more quickly and efficiently, please have the following information ready:

- Detailed description of malfunction and circumstances
- Type plate specifications of the affected products, in particular type codes and serial numbers
- Your contact data (phone and fax number as well as your e-mail address)

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