Title:

Subject:

This document describes the content of the ABT Firmware Library as part of the Market Release October 2022 (MR2022\_10).

Graphical user interface

Description automatically generated

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<http://www.siemens.com/cert/en/cert-security-advisories.htm>

# Delivered Content

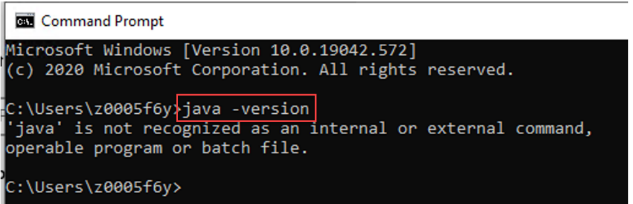
|  |  |
| --- | --- |
| **Release** | **MR2022\_10 (ABT 5.0)** |
| DXR2 | signed\_FW\_V7.0\_DXR2\_V01.21.152.8-3236 |
| PXC3-1 | signed\_FW\_V7.0\_PXC3\_V01.21.152.8-3236 |
| PXC3-2 | signed\_FW\_V7.0\_PXC3\_V01.21.152.8-3236 |
| PXC4 | signed\_FW\_V1.3\_PXC4\_V02.20.152.15-14054 |
| PXC5 | signed\_FW\_V1.3\_PXC5.E003\_V02.20.152.15-14054 |
| PXC7 | signed\_FW\_V1.3\_PXC7\_V02.20.152.15-14054 |
| PXM (Index A and B) | Signed\_FW\_PXM\_V02.20.126.11-41 |
| PXG3.W-1 | Signed\_FW\_PXG3.WX00-1\_V02.20.126.11-37 |
| PXG3.W-2 | Signed\_FW\_PXG3.WX00-2\_V02.20.126.11-41 |
| PXG3.M/L-1 | signed\_FW\_PXG3\_V01.21.152.8-3236 |
| ABT Firmware Library | ABT\_Firmware-Library\_50\_03 |
|  |  |

### Prerequisites Desigo Control Point Engineering in ABT Site

For Offline Engineering Google Chrome V106 or higher is mandatory.

The installation of a Java development kit (JDK) is required to proceed the Desigo Control Point Engineering in ABT Site.

Only one OpenJDK version must be installed on the device to avoid versioning conflicts. To check, if you already have a JDK installed, please open command prompt and enter “java -version” if you have an output like below, please install the corresponding JDK Version



Siemens DWP clients: Azul Zulu is default OpenJDK component (download from Siemens Software Center)

Other computers: Please use Adoptium Temurin 8 (LTS) as shown in the screenshot below (download here <https://adoptium.net/?variant=openjdk8&jvmVariant=hotspot> ).

Graphical user interface, text, application, chat or text message

Description automatically generated

Start installation following the Setup process

Continue/Finish the installation

### After the installation of the mandatory software, please restart PC before continuing.

## Firmware

The latest FW Library is available in the corresponding Tool Folder and copied to your local PC together with the tool (Robocopy files for ABT and XWP).

**Note for DXR2:** To be able to load this Firmware, a repartition of the device is needed. This will take approx. 15 Minutes per device and during this repartition, the application will be cleared.

1. Connect ABT Site Project with the local Network
2. Upload current application configuration
3. Select “Repartition device” in context menu of each DXR2
4. After successful repartitioning, the DXR2 shows up with an X in Device Type
5. Load new firmware from ABT Firmware Library
6. Perform full load of device

See also [Desigo Room Automation Update Sales & Delivery Release Facts (47E138BC)](https://intranet.sbt.siemens.com/nextgen/step/step.php?s=47%2a138BC&t=19&v=0)

**DXR2 FW compatibility:**

The below table shows the minimum Firmware Version for the mentioned Application type:

|  |  |  |
| --- | --- | --- |
| **Tool** | **Application Type** | **Firmware** |
| 5.0 | 11.x | signed\_FW\_V7.0\_DXR2\_V01.21.152.8-3236 |
| 4.4 | 10.x | signed\_FW\_DXR2\_V01.21.142.5-22 |
| 4.3 | 9.x | signed\_FW\_DXR2.E\_V01.21.121.5-24 |
| 4.1.1 | 8.x | signed\_FW\_DXR2.E\_V01.21.70.168 |
| 4.0 | 7.x | FW\_DXR2.E\_V01.21.50.242 |

### ABT engineered devices:

Please read the ABT Site Online Help for how to upgrade the devices.

# Customer Support

Further information is available via the online support portal. Please comply with the following steps:

1. Product support: enter ABT Site or the specific product name in the search field

<https://support.industry.siemens.com/cs/ww/de/ps/18364>

1. Forum: enter ABT Site or the specific product name in the search field

<https://support.industry.siemens.com/tf/ww/en/threads/270/?page=0&pageSize=10>

## Individual Customer Support

Individual Service and Customer Support is provided by:

* your local system supplier
* your local Siemens office
* For Technical Support please use the Support Request wizard at [**https://support.industry.siemens.com/cs/my/src**](https://support.industry.siemens.com/cs/my/src)

## Required information in case of product issues to be reported

For fast failure analysis and identification of defect root cause it is always important to attach all relevant information to your support request!

That's in minimum:

* project data (project archives incl. password)
* screenshots (preferred) or videos
* crash logs ABT; log files from device
* controller messages
* traces etc.
* steps to reproduce

The test environment has always to be documented as precisely as possible:

* Which versions (tool/fw) are used?
* Is it a new created project or a converted project?
* fix IP or DHCP?

logs from device: (select download diagnostic files)

* https://*ip-address*/om/#/main/debug (PXC4 / PXC5 / PXC7 and Control Point V2.0)
* https://*ip-address*/ssa/pmd (DRA and Control Point V1.x)

External:

* Wireshark logs if relevant

The log files for ABT can be found at:

* ABT Installation logs: C:\ProgramData\Siemens\Automation\Logfiles
* ABT Pro: :\ProgramData\Siemens\Automation\Portal V17\Diagnostics\ subfolder  
  Subfolder is named according to TIA version: e.g. V17.00.00.00\_25.01.00.01
* ABT Site: C:\ProgramData\Siemens\Desigo\ABT\Diagnostics
* full subfolder content is needed!

# Appendix

## Known issues PXC4/PXC5/PXC7

FAQ: <https://support.industry.siemens.com/cs/ww/en/ps/27989>

|  |  |
| --- | --- |
| **Description** | **Workaround** |
| MI not possible on Onboard I/O’s of PXC4 and TXM1.8U/U-ML connected to PXC4 | Per design. Use TX-I/O Module 4D3R, 8D or 16D to configure Multistate Inputs. |
| Web Interface: TX-I/O and Onboard-I/O datapoints are not visible in Fieldbus hierarchy | TX-I/O and Onboard-I/O datapoints are visible in the application view |
| Restricting access to objects on PXC4 Web Interface according to user level is not always working correctly | Clear the cache or perform a refresh when logging in with a new user |
| Object data points are visible to user roles without access to those data points. | Always close the browser and reopen it as a new user  Refresh the page after logging in  Clear the cache before logging in |

## Known issues DXR2/PXC3

FAQ: <https://support.industry.siemens.com/cs/ww/en/ps/18457>

|  |  |
| --- | --- |
| **Description** | **Workaround** |
| Download of PXC3 or DXR2 not possible (error displayed regarding Know-How protected block) | A manual triggered compile is necessary (“changes only” is enough). If no errors displayed during the compilation, the download (“changes only” or “full” if necessary) can be repeated. |
| BA object from 3rd party device assigned to CMD\_A XFB in ABT Pro and commanded with different priorities.  After a communication issue (ErrCmd changed to 30: Internal error), not possible to command anymore the object before all the priorities gets relinquished with an external BA browser. | Restart the device |
| It is possible that not all Unconfigured Device on MSTP network are discovered. | Start the discovery again |
| After downloading the application via ABT over USB to DXR.M it is possible that DXR2 are not discoverable via PXC5. | Restart the DXR2 devices |

## Known issues Critical Environment Technologies

FAQ: <https://support.industry.siemens.com/cs/ww/en/ps/25450>

|  |  |
| --- | --- |
| **Description** | **Workaround** |
| Supply Airflow Setpoint Error causing incorrect Room Transferred Air Volume Flow | - |

## Known issues Desigo Control Point

FAQ: <https://support.industry.siemens.com/cs/ww/en/ps/25448>

|  |  |
| --- | --- |
| **Description** | **Workaround** |
| Do not use the HTTPS and HSTS mode | Unfortunately, you can choose it, but it is not working, and it opens port 80 again.  Use **HTTPS only** mode instead |
| Load application job failed for DCP due to the device not responding. | Wait a few minutes and try again. |
| Integration of an XWP Controller is not possible if structured view object is enabled. | Do not use SVO in XWP. |
| The State filters/sort do not work as expected (alarm view, tile/history). | N/A |
| Web Interface gives an error message “TOAST\_MESSAGE\_40...” | Wait a few minutes and try again. DailyOP is restarting in the background. |
| The context navigation works when you navigate to a unique part of the controller on the system. But the navigation will not work properly when you are in the building hierarchy. | You can recover from any incorrect navigation by clicking on the “Sites” button and navigating to where you want. The Navigation from Object view to Operation is not context sensitive. It returns to the point where the user left. |
| Cannot navigate back to plant view via plant view and operation buttons | Use the root icon to navigate back to Plant view. |
| The wrong Tool’s menu displays in the Plant view | Navigate away from Plant view to a different tab and then return to the Plant view |
| After power fail the user is not logged back in / kiosk is not started again, even if user role and device setting were properly engineered | DCP Device takes up to 25 minutes to cache the URL. If you power fail the device before 25 minutes, you may not end up were you left. After 25 minutes, the URL will be cached. |
| The timeframe slider on the trend in PXMx0.E panel is impossible to move. | Use Chrome browser to access trend view. |
| Some hyperlinks are not working after project update. | Check hyperlinks settings and configure target graphic again if needed. |
| Trend lines overlap in the text area. | N/A |
| Trend export is failing partially. | Log into the web server and download the needed file manually. |
| Tool tip is wrong in the relativized graphics. | N/A |
| Can’t add hyperlinks on specific graphics. The root cause are graphic pages with a number at the beginning of the filename. | Save Graphic "1\_floor" as floor1 save Graphic "1 floor" as floor1 etc. |
| QMX7 Style components for binary Light and Blind are not working | As a workaround, use the corresponding group command just for one datapoint. |
| Full screen mode is no longer possible with DCP V2.0 | N/A |
| Special characters are not displayed in alarm history | N/A |
| If you zoom in and set the cursor on a Touch Panel Trend Graphic, you are not able to zoom out again. | slide the title bar down and navigate via Home button out of the trend chart |

## Solved Support Requests in this release

| **SR No.** | **Product** | **Description** |
| --- | --- | --- |
| 1-6349529540 | Desigo - PXC4/5/7 | Local time for PXC4&PXC5 value 12 for hours changed to 00 |
| 1-6394974681 | Desigo - PXC4/5/7 | Cannot change time to 12:xx format |
| 1-6472779779 | Desigo - PXC4/5/7 | [FT4.4] WEB Interface PX7 / PXC5 not usable for customer |
| 1-6475631029 | Desigo - PXC4/5/7 | [FT4.4] [HW] PXC7 Strange behavior, 2-port Ethernet switch |
| 1-6479424581 | Desigo - PXC4/5/7 | [FT4.4] [HW] Strange behave of IP connection |
| 1-6490036709 | Desigo - PXC4/5/7 | [FT4.4] values do not update for R\_A function blocks for MSTP devices that do not support Subscribe COV |
| 1-6603814473 | Desigo - PXC4/5/7 | About the operating hours function of PXC4 in ABT site |
| 1-6633805535 | Desigo - PXC4/5/7 | Trend with aligned interval in PXC4/5/7 controller is not working fine |
| 1-6676280235 | Desigo - PXC4/5/7 | [FT5.0] Incomplete syntax for BACnet reference in the web interface |
| 1-6676519245 | Desigo - PXC4/5/7 | [FT5.0] - BACnet/SC regenerate root certificate |
| 1-6414396684 | Desigo - System | Time zone issue with Island (DCP) |
| 1-6198883356 | Desigo - Room Control | Time Stamp of Alarm Acknowledge is wrong |
| 1-6203979070 | Desigo - Room Control | Cannot disable DXR into local broadcast |
| 1-6216820429 | Desigo - Room Control | Alarm bell is not accessible, depending on window size |
| 1-6236958036 | Desigo - Room Control | TX-I/O datapoints in failure due to missing polling from PXC3 |
| 1-6353593151 | Desigo - Room Control | Upload not reliable to ABT Pro/ABT Site |
| 1-6564888778 | Desigo - Room Control | DALI V2 certified sensor for OS and LS cannot be assigned to engineered sensor on PXC3.E75A-200 |
| 1-6574350510 | Desigo - Room Control | Transmission timeout - KNX S-Mode communication failure remains after Heartbeat |
| 1-6602065890 | Desigo - Room Control | Alignment of trend samples is not working correct |
| 1-5844127053 | Desigo - Control Point | Repetitive sending of Alarms |
| 1-6236795276 | Desigo - Control Point | PX Classic No integration possible if structured view object is enabled |
| 1-6236997876 | Desigo - Control Point | [FT4.3] Navigation to Plant view from graphic |
| 1-6276295524 | Desigo - Control Point | [FT4.3] Indication that a password is not according to the policy is not user friendly |
| 1-6311626135 | Desigo - Control Point | [FT4.3] Cache Issues with 3rd party devices |
| 1-6357146051 | Desigo - Control Point | [FT4.3] Context based navigation from Object view back to Operation view is not available |
| 1-6373933199 | Desigo - Control Point | [FT4.3] DCP Time Setting with 12:00 (Noon) starting time not possible |
| 1-6408999841 | Desigo - Control Point | [FT4.3] Email notification for pending alarm not sent/received |
| 1-6409138701 | Desigo - Control Point | Alarms history - sorting of date/time |
| 1-6435484311 | Desigo - Control Point | Alarm list does not display events in the correct order (by date) |
| 1-6474507545 | Desigo - Control Point | [FT4.4] Findings Control Point |
| 1-6476476331 | Desigo - Control Point | [SMTP-Cert] Desigo Control point Alarmweiterleitung (Alarm forwarding) |
| 1-6500133750 | Desigo - Control Point | [FT4.4] First full download of PXG3.W200-1 on SVS fails sometimes |
| 1-6511526910 | Desigo - Control Point | [FT4.4] Building icon different for PXC4 and PXC Classic when learning |
| 1-6518811022 | Desigo - Control Point | Trends timeline selector not working |
| 1-6528834370 | Desigo - Control Point | [FT4.4] Binding at Status Indicator no longer visible |
| 1-6528991320 | Desigo - Control Point | [FT4.4] Some graphic components are not displayed during graphic import |
| 1-6545914030 | Desigo - Control Point | Endless commissioning wizard |
| 1-6547125226 | Desigo - Control Point | Alarm history sorting mechanism |
| 1-6555034170 | Desigo - Control Point | No E-mails from alarm forwarding received after 1-2 days |
| 1-6558334660 | Desigo - Control Point | [UAC] Access Rights |
| 1-6629826126 | Desigo - Control Point | Interactive Kiosk - Layer Issue for Room Operator Graphic |
| 1-6689079486 | Desigo - Control Point | Graphic Component Data Grid cannot be updated |
| 1-6701224090 | Desigo - Control Point | [FT5.0] Time and Date are wrong when events are pending over midnight |