



Elektrobit

EB tresos[®] begin here

version 2.1.0



Elektrobit Automotive GmbH
Am Wolfsmantel 46
91058 Erlangen, Germany
Phone: +49 9131 7701 0
Fax: +49 9131 7701 6333
Email: info.automotive@elektrobit.com

Technical support

<https://www.elektrobit.com/support>

Legal disclaimer

Confidential information.

ALL RIGHTS RESERVED. No part of this publication may be copied in any form, by photocopy, microfilm, retrieval system, or by any other means now known or hereafter invented without the prior written permission of Elektrobit Automotive GmbH.

All brand names, trademarks, and registered trademarks are property of their rightful owners and are used only for description.

Copyright 2020, Elektrobit Automotive GmbH.



Table of Contents

- Modification history 4
- 1. Overview 5
- 2. EB tresos product documentation 6
 - 2.1. Naming schema for online help and PDF files 6
 - 2.2. List of all documentation 6
- 3. Accessing installation instructions 13
 - 3.1. Online help 13
 - 3.2. PDF files 13
- 4. Accessing online help and PDF files 14
 - 4.1. Online help 14
 - 4.2. PDF files 14

Modification history

| Version | Description |
|---------|--|
| 2.1.0 | Adapted list of delivered documents for EB tresos [®] AutoCore Generic Removed DOIP, LDCOM, SD |
| 2.0.9 | Added E2EP07, E2EPRN, and SplitImEx, removed CAL and DET Added Safety E2E Protection and IOC documents |
| 2.0.8 | Added Crypto and Security Stack, removed CSM and SECOC |
| 2.0.7 | Adapted list of delivered documents for EB tresos [®] AutoCore Generic Added Transformers, removed Transformer (COM) and Transformer (SOME/IP) |
| 2.0.6 | Adapted content of <code>Installation</code> folder Removed WinCore Adapted list of delivered documents for EB tresos [®] AutoCore Generic Added A2L, updated E2E Added list of delivered documents for EB tresos [®] Safety RTE Added EB tresos Safety RTE Adapted list of delivered documents for EB tresos [®] Safety OS Added SST |
| 2.0.5 | Adapted list of delivered documents for EB tresos [®] AutoCore Generic Added DET, DLT, Quality Level Adapted list of delivered documents for EB tresos [®] Studio for ACG8 Removed ODX Importer, Software Composition Editor Removed <i>Finding out what is new in this delivery</i> chapter, notice added to <i>EB tresos product documentation</i> chapter instead |
| 2.0.4 | Adapted list of delivered documents for EB tresos [®] AutoCore Generic Added E2E Protection |
| 2.0.3 | Adapted list of delivered documents for EB tresos [®] AutoCore Generic Added SECOC, Time Sync |
| 2.0.2 | Adapted list of delivered documents for EB tresos [®] AutoCore Generic Added CSM, SD, DOIP, LDCOM, Transformer (SOME/IP) |
| 2.0.1 | Adapted list of delivered documents for EB tresos [®] AutoCore Generic |
| 2.0.0 | Initial new version Adapted list of delivered documents |



1. Overview

The purpose of the EB tresos begin here guide is to help you find the documentation available for the product you purchased and how to access this documentation.

[Chapter 2, “EB tresos product documentation”](#) lists what documents are available and the information they contain.

[Chapter 3, “Accessing installation instructions”](#) provides instructions on how to locate the installation instructions for your software.

[Chapter 4, “Accessing online help and PDF files”](#) details how to open online help and find PDF files available for your installed software.

2. EB tresos product documentation

In this chapter you learn about the naming schema for documentation and what help files and documentation is available.

TIP



Finding out what is new in this delivery

To find out what is new in this delivery, see the release notes of the respective product documentation.

2.1. Naming schema for online help and PDF files

The naming schema of the documentation is:

`<product_line_name> <product_name> <type_of_documentation>`

In this schema:

- ▶ `<product_line_name>` is EB tresos
- ▶ `<product_name>` is e.g. AutoCore Generic
- ▶ `<type_of_documentation>` is e.g. *documentation*, this includes: user documentation, APIs, release notes, architecture notes, installation guides, new features, safety manuals, etc.

If applicable, the following information is added to the document name:

`<architecture>_<derivative>`

See [Section 2.2, “List of all documentation”](#) for a list of all available documents.

2.2. List of all documentation

This table provides information about all possible documents. This means, you may see additional information about options you have not purchased.

| Online help file name | PDF file name | Content description |
|-----------------------|--------------------------|--|
| EB tresos® begin here | EB_tresos_begin_here.pdf | Overview of all documentation. The document you are currently reading. |

Table 2.1. EB tresos begin here



| Online help file name | PDF file name | Content description |
|-------------------------------|--------------------------------------|--|
| EB tresos® installation guide | 1.1_EB_tresos_installation_guide.pdf | Instructions on how to install the product. |
| EB tresos® glossary | 1.2_EB_tresos_glossary.pdf | Glossary for all products of the EB tresos product line. |

Table 2.2. Content of the `Installation` folder

| Online help file name | PDF file name | Content description |
|---|---|--|
| EB tresos® Studio for ACG8 user's guide | 2.1_Studio_documentation_users_guide.pdf | Contains instructions for configuring AUTOSAR basic software with EB tresos Studio. |
| This file is currently not included in the online help. | 2.2_Studio_release_notes.pdf | Contains the change log of EB tresos Studio; the change log includes bug fixes, changes and new features, as well as improvements. |
| This file is currently not included in the online help. | 2.3_Studio_new_and_noteworthy.pdf | Contains short descriptions and examples of the most important new features or changes. |
| EB tresos® Studio for ACG8 developer's guide | 2.4_Studio_documentation_developers_guide.pdf | Contains instructions to extend the functionality of EB tresos Studio to meet your needs. |
| EB tresos® ECU Configuration Wizard documentation | EB_tresos_ECU_Configuration_Wizard_documentation.pdf | Contains instructions for importing configurations in EB tresos Studio. |
| EB tresos® Splitable importer / exporter documentation | EB_tresos_Import_Export_Split_Configuration_documentation.pdf | Contains instructions for importing and exporting split configuration files in EB tresos Studio. |
| EB tresos® Studio Public API Java | A PDF file is not available. | This subfolder contains the Public API Java documentation for EB tresos Studio. |

Table 2.3. Content of the `EB tresos Studio` folder

| Online help file name | PDF file name | Content description |
|---|--|--|
| EB tresos® AutoCore OS documentation | 3.1_AutoCore_OS_documentation.pdf | Contains general instructions on how to configure the EB tresos AutoCore OS module. |
| EB tresos® AutoCore OS architecture notes_<architecture>_<derivative> | 3.2_AutoCore_OS_architecture_notes_<architecture>_<derivative>.pdf | Contains architecture-specific instructions for the OS module. This includes configuration and properties of the OS. |



| Online help file name | PDF file name | Content description |
|--|---|---|
| EB tresos® AutoCore OS release notes_<architecture>_<derivative> | 3.3_AutoCore_OS_release_notes_<architecture>_<derivative>.pdf | Contains release-specific information of the current EB tresos AutoCore OS release for the architecture and derivative indicated. |
| EB tresos® AutoCore OS Multi-Core documentation | 3.4_AutoCore_OS_multi-core_documentation.pdf | Contains information on how to use EB tresos AutoCore OS on a multi-core microcontroller. |
| EB tresos® IOC user's guide | 3.5_IOC_documentation.pdf | Contains information on how to configure and use EB tresos IOC. |
| EB tresos® AutoCore OS Inter-OS-Application Communicator release notes <architecture> <derivative> | 3.7_IOC_release_notes_<architecture>_<derivative>.pdf | Contains release-specific information of the current EB tresos AutoCore IOC for the architecture and derivative indicated. |

Table 2.4. Content of the EB tresos AutoCore OS folder

The following table lists the EB tresos AutoCore Generic documents. The <version> will depend on your EB tresos AutoCore Generic version, for example version 6 or 7.

| Online help file name | PDF file name | Content description |
|---|--|--|
| EB tresos® AutoCore Generic <version> documentation | AutoCore_Generic_documentation.pdf | Provides general release notes for all products, supported features, and concepts. |
| EB tresos® AutoCore Generic 8 A2L documentation | AutoCore_Generic_A2L_documentation.pdf | Provides instructions for generating an A2L file in EB tresos Studio. |
| EB tresos® AutoCore Generic <version> Base documentation | AutoCore_Generic_Base_documentation.pdf | Provides ACG<version> Base product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> CAN Stack documentation | AutoCore_Generic_CAN_Stack_documentation.pdf | Provides ACG<version> Can Stack product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> Com Services documentation | AutoCore_Generic_Com_Services_documentation.pdf | Provides ACG<version> Com Services product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> Crypto and Security Stack documentation | AutoCore_Generic_Crypto_and_Security_Stack_documentation.pdf | Provides ACG<version> Crypto and Security Stack product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> Diagnostic Stack documentation | AutoCore_Generic_Diagnostic_Stack_documentation.pdf | Provides ACG<version> Diagnostic Stack product-specific release notes, user documentation, and module references. |



| Online help file name | PDF file name | Content description |
|---|---|--|
| EB tresos® AutoCore Generic <version> DLT documentation | AutoCore_Generic_DLT_-documentation.pdf | Provides ACG<version> DLT product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> FlexRay Stack documentation | AutoCore_Generic_FlexRay_-Stack_documentation.pdf | Provides ACG<version> FlexRay Stack product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> IP Stack documentation | AutoCore_Generic_IP_Stack_-documentation.pdf | Provides ACG<version> IP Stack product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> LIN Stack documentation | AutoCore_Generic_LIN_-Stack_documentation.pdf | Provides ACG<version> LIN Stack product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> Memory Stack documentation | AutoCore_Generic_Memory_Stack_documentation.pdf | Provides ACG<version> Memory Stack product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> Mode Management documentation | AutoCore_Generic_Mode_-Management_documentation.pdf | Provides ACG<version> Mode Management product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> Quality Level documentation | AutoCore_Generic_Quality_Level_documentation.pdf | Provides definitions and concepts used in evaluating products and projects. |
| EB tresos® AutoCore Generic <version> RTE documentation | AutoCore_Generic_RTE_-documentation.pdf | Provides ACG<version> RTE product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> Time Sync documentation | AutoCore_Generic_Time_-Sync_documentation.pdf | Provides ACG<version> Time Sync product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> Transformers documentation | AutoCore_Generic_Transformers_documentation.pdf | Provides ACG<version> Transformers product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> Watchdog Stack documentation | AutoCore_Generic_Watchdog_Stack_documentation.pdf | Provides ACG<version> Watchdog Stack product-specific release notes, user documentation, and module references. |
| EB tresos® AutoCore Generic <version> XCP documentation | AutoCore_Generic_XCP_-documentation.pdf | Provides ACG<version> XCP product-specific release notes, user documentation, and module references. |

| Online help file name | PDF file name | Content description |
|---|---------------------------------------|---|
| updated periodically, thus not part of the online help but downloadable | EB_tresos_Autocore_known_problems.pdf | Contains release-specific known problems (<i>bugs</i>). PDF document updated periodically; the latest version is available for download at: https://command.elektrobit.com/command/mod_perl/login.pl . |
| EB tresos® E2E Profile 1 | E2E_E2EP01_documentation.pdf | Provides release notes, user documentation, and module references. |
| EB tresos® E2E Profile 2 | E2E_E2EP02_documentation.pdf | Provides release notes, user documentation, and module references. |
| EB tresos® E2E Profile 4 | E2E_E2EP04_documentation.pdf | Provides release notes, user documentation, and module references. |
| EB tresos® E2E Profile 5 | E2E_E2EP05_documentation.pdf | Provides release notes, user documentation, and module references. |
| EB tresos® E2E Profile 6 | E2E_E2EP06_documentation.pdf | Provides release notes, user documentation, and module references. |
| EB tresos® E2E Profile 7 | E2E_E2EP07_documentation.pdf | Provides release notes, user documentation, and module references. |
| EB tresos® E2E Profile Renault/Nissan | E2E_E2EPRN_documentation.pdf | Provides release notes, user documentation, and module references. |
| EB tresos® E2E Wrapper | E2E_E2EPW_documentation.pdf | Provides release notes, user documentation, and module references. |
| EB tresos® E2E Transformer (E2E) | E2E_E2EXF_documentation.pdf | Provides release notes, user documentation, and module references. |

Table 2.5. Content of the EB tresos AutoCore Generic folder

| Online help file name | PDF file name | Content description |
|--|--|--|
| MCAL release notes | 5.1_MCAL_release_notes.pdf | Provides the MCAL modules' release-specific information. |
| <MODULE-SHORTNAME> release notes and documentation | <MODULE-SHORTNAME>_release_notes_and_documentation.pdf | Provides release-specific MCAL information and configuration instructions. |
| <MCAL Module> | <MCAL Module>.pdf | Provides release-specific MCAL information and configuration instructions. |

Table 2.6. Content of the MCAL modules folder



| Online help file name | PDF file name | Content description |
|---|---|--|
| This file is currently not included in the online help. | Safety_E2E_Wrapper_safety_manual.pdf | Provides background information and requirements for the integration and usage of EB tresos Safety E2E Wrapper. |
| This file is currently not included in the online help. | Safety_E2E_Wrapper_release_notes.pdf | Provides release-specific information of the EB tresos Safety E2E Wrapper release. |
| This file is currently not included in the online help. | Safety_E2E_Transformers_safety_manual.pdf | Provides background information and requirements for the integration and usage of EB tresos Safety E2E Transformer (E2E). |
| This file is currently not included in the online help. | Safety_E2E_Transformers_release_notes.pdf | Provides release-specific information of the EB tresos Safety E2E Transformer (E2E) release. |
| This file is currently not included in the online help. | EB_tresos_Safety_E2E_Profile_01_safety_manual.pdf | Provides background information and requirements for the integration and usage of EB tresos Safety E2E Profile 1. |
| This file is currently not included in the online help. | EB_tresos_Safety_E2E_Profile_02_safety_manual.pdf | Provides background information and requirements for the integration and usage of EB tresos Safety E2E Profile 2. |
| This file is currently not included in the online help. | EB_tresos_Safety_E2E_Profile_04_safety_manual.pdf | Provides background information and requirements for the integration and usage of EB tresos Safety E2E Profile 4. |
| This file is currently not included in the online help. | EB_tresos_Safety_E2E_Profile_05_safety_manual.pdf | Provides background information and requirements for the integration and usage of EB tresos Safety E2E Profile 5. |
| This file is currently not included in the online help. | EB_tresos_Safety_E2E_Profile_06_safety_manual.pdf | Provides background information and requirements for the integration and usage of EB tresos Safety E2E Profile 6. |
| This file is currently not included in the online help. | EB_tresos_Safety_E2E_Profile_07_safety_manual.pdf | Provides background information and requirements for the integration and usage of EB tresos Safety E2E Profile 7. |
| This file is currently not included in the online help. | 11.1_EB_tresos_Safety_TimE_Protection_release_notes.pdf | Provides release-specific information of the EB tresos Safety TimE Protection release, eg. information about compilers, new features, etc. |
| This file is currently not included in the online help. | 11.2_EB_tresos_Safety_TimE_Protection_safety_manual.pdf | Provides background information and requirements for the integration and usage of |

| Online help file name | PDF file name | Content description |
|-----------------------|---------------|---|
| | | EB tresos Safety TimE Protection, API, and parameters descriptions. |

Table 2.7. Content of the EB tresos Safety E2E Protection folder

| Online help file name | PDF file name | Content description |
|---|---|---|
| This file is currently not included in the online help. | 8.1_Safety_OS_documentation_<architecture>.pdf | Provides a user's guide for the EB tresos Safety OS and background information with API and parameter descriptions. |
| This file is currently not included in the online help. | 8.2_Safety_OS_safety_manual_<architecture>.pdf | Provides the necessary information to use EB tresos Safety OS safely on a project. |
| This file is currently not included in the online help. | 8.3_Safety_OS_release_notes_<architecture>_<derivative>.pdf | Provides release-specific information on the EB tresos Safety OS release, e.g. supported compilers, new features, how to migrate the EB tresos Safety OS, deviations, and change log. |
| This file is currently not included in the online help. | 8.4_Safety_OS_documentation_SST.pdf | Provides a user's guide for the Simple Schedule Table and the necessary information to use Simple Schedule Table safely on a project. |
| This file is currently not included in the online help. | 8.6_IOC_safety_manual.pdf | Provides information about the safe use of EB tresos IOC. |

Table 2.8. Content of the EB tresos Safety OS folder

| Online help file name | PDF file name | Content description |
|---|-------------------------------|--|
| This file is currently not included in the online help. | Safety_RTE_documentation.pdf | Provides a user's guide for the EB tresos Safety RTE and background information with API and parameter descriptions. |
| This file is currently not included in the online help. | Safety_RTE_safety_manual.pdf | Provides the necessary information to use EB tresos Safety RTE safely on a project. |
| This file is currently not included in the online help. | Safety_RTE_release_notes.-pdf | Contains the change log of EB tresos Safety RTE. |

Table 2.9. Content of the EB tresos Safety RTE folder

3. Accessing installation instructions

The installation instructions can be found in online help and as PDF files that are included with your download.

TIP



Installation guide additional information

The installation guide also provides information about parallel installation of the same software version and installation of different releases.

3.1. Online help

To access the installation instructions in online help:

1. Select the **Help** menu.
2. Select **Help Contents**. The **Help - EB tresos** window opens.
3. Select **Installation** to access the EB tresos® installation guide.

TIP



Access online help with F1 key

You can select the F1 key to access online help. The **Help** menu opens, and you can access all online help topics.

3.2. PDF files

The installation instructions, as PDF files, are located in the ZIP file you downloaded from the EB command server. The file name is `EB_tresos_installation_guide.pdf`. To access the installation instructions PDF file:

1. Locate the root directory of the EB tresos Studio installation on your host PC `$TRESOS_BASE/doc`. `$TRESOS_BASE` is the directory that you installed the software in.
2. Double-click the folder `1.0_Installation`.
3. Double-click `1.1_EB_tresos_installation_guide.pdf`.

4. Accessing online help and PDF files

After you install your EB tresos software, the documentation for the products installed is available as online help and PDF files.

4.1. Online help

To access the online help in EB tresos Studio:

1. Select the **Help** menu.
2. Select **Help Contents**. The **Help - EB tresos** window opens.

TIP



Access online help with F1 key

You can select the F1 key to access online help. The **Help** menu opens, and you can access all online help topics.

4.2. PDF files

To access the PDF files:

1. Locate the root directory of the EB tresos Studio installation on your host PC `$TRESOS_BASE/doc`.
`$TRESOS_BASE` is the directory that you installed the software in.
2. Double-click the desired folder in the list.
3. Double-click the PDF file.