

ETAS EATB V6.1



Installation Guide

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Content

1	Safety Information	4
1.1	Intended Use	4
1.2	Target Group	4
1.3	Classification of Safety Messages	4
1.4	Data Protection	5
1.5	Data and Information Security	5
1.5.1	Data and Storage Locations	5
1.5.1.1	GPS Map	5
1.5.1.2	License Management	5
1.5.2	Licensing	6
1.5.3	Technical and Organizational Measures	6
2	Administering	7
2.1	Installer Components	7
2.2	Port Configuration	7
2.3	System Requirements and Components	8
2.4	Compatibilities	8
2.5	Build Information	8
3	Installing	9
3.1	Preparation	9
3.2	Delivery Package	9
3.3	User Privileges	9
3.4	Installation Steps	9
4	Licensing	11
4.1	License Variants	11
5	Upgrading	13
6	Uninstalling	14
7	Contact Information	15

1 Safety Information

Adhere to the ETAS Safety Advice for EATBV6.1, which is available within the EATB Product. ETAS GmbH cannot be made liable for damage that is caused by incorrect use and not adhering to the safety instructions. Take all information on environmental conditions into consideration before setup and operation (see the documentation of your computer, hardware, etc.).

1.1 Intended Use

The ETAS Analytics Toolbox (EATB) is a tool developed to improve data analysis of time-based data series in the automotive field. EATB supports engineers in the measurement and validation of ECU software and allows graphical visualization and further calculations of measured signals. On the one hand, the focus is on the provision of a uniform and stable user interface that allows the correct evaluation of the measurement data and results. On the other hand, due to the volume of data in the digital automotive industry, a high processing rate of big amount of data must be guaranteed.

1.2 Target Group

This information addresses qualified personnel working in the fields of automobile control unit development and calibration. Specialized knowledge in the areas of embedded systems and simulation is required.

1.3 Classification of Safety Messages

Safety messages warn of dangers that can lead to personal injury or damage to property:



DANGER

DANGER indicates a hazardous situation that, if not avoided, will result in death or serious injury.



WARNING

WARNING indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION

CAUTION indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE indicates a situation that, if not avoided, could result in damage to property.

1.4 Data Protection

If the product contains functions that process personal data, legal requirements of data protection and data privacy laws shall be complied with by the customer. As the data controller, the customer usually designs subsequent processing. Therefore, he must check if the protective measures are sufficient.

1.5 Data and Information Security

To securely handle data in the context of this product, see the next sections about data and storage locations as well as technical and organizational measures.

1.5.1 Data and Storage Locations

The following sections give information about data and their respective storage locations for various use cases.

1.5.1.1 GPS Map

When using the GPS map, GPS data points are not sent to the external data provider, but processed and visualized internally within the tool. Particularly, the following personal data and/or data categories which can be traced to a specific individual is used for the purpose of visualization:

- Measurement Data: GPS data points

When using the GPS map, particularly the following data that can be traced to a specific individual, is sent to the external map data provider (Omniscale GmbH) and used there for the purpose of providing the requested map data, and for detecting and preventing malicious attacks on their infrastructure:

- Communication Data: IP address

1.5.1.2 License Management

When using the ETAS License Manager in combination with user-based licenses that are managed on the FNP license server within the customer's network, the following data are stored for license management purposes:

Data

- Communication data: IP address
- User data: Windows user ID

Storage location

- FNP license server log files on the customer network

When using the ETAS License Manager in combination with host-based licenses that are provided as FNE machine-based licenses, the following data are stored for license management purposes:

Data

- Activation data: Activation ID
 - Used only for license activation, but not continuously during license usage

Storage location

- FNE trusted storage
`C:\ProgramData\ETAS\FlexNet\fne\license\ts`

1.5.2 Licensing

A valid license is required to use the software. You can obtain a license in one of the following ways:

- from your tool coordinator
- via the self-service portal on the ETAS website at www.etas.com/support/licensing
- via the ETAS License Manager

To activate the license, you must enter the Activation ID that you received from ETAS during the ordering process.

For more information about ETAS license management, see the [ETAS License Management FAQ](#) or the ETAS License Manager help.

To open the ETAS License Manager help

The ETAS License Manager is available on your computer after the installation of any ETAS software.

1. From the Windows Start menu, select **E > ETAS > ETAS License Manager**.
The ETAS License Manager opens.
2. Click in the ETAS License Manager window and press F1.
The ETAS License Manager help opens.

1.5.3 Technical and Organizational Measures

We recommend that your IT department takes appropriate technical and organizational measures, such as classic theft protection and access protection to hardware and software.

2 Administrating

2.1 Installer Components

The following necessary components are installed:

- 3rd Party Prerequisites:
 - Visual C++ 2019 Redistributable (x86)
 - Visual C++ 2019 Redistributable (x64)
 - MATLAB® Runtime 2024a
 - DotNet4.6.2
- ETAS License Manager (x86)
- ETAS License Manager (x64)
- ETAS Analytics Toolbox V6.1:
 - EATB Demo data
 - EATB Documentation
 - ETAS Analytics Toolbox




Note

A restart might be required when the 3rd party components have been installed.

2.2 Port Configuration

The default port configured for the EATB server during the installation is 9231 for HTTP communication. If the default port is not free, an error message is displayed. In such a case, you can change the port number.

To change the port number

1. Terminate EATB with .
2. Navigate to the location of the EATB installation.
3. Open the `eatbconfiguration.properties` file in a text editor.
4. Update the new port value in the field `server.port` where the default value 9231 is mentioned.

Do not use the port numbers between 0–1023 as these are used as system ports. You can utilize the port numbers between 1024 – 65535 except for 9232.

5. Click **Save** to save the `eatbconfiguration.properties` file.
6. Restart EATB.

2.3 System Requirements and Components

For the system requirements, refer to the Release Notes that are stored in the Documentation folder (by default under `C:\Program Files\ETAS\EATBx.y`).

The following software applications are shipped along with the EATB installation package and are installed during the installation process: Java 21 and MATLAB® Runtime 2024a.

EATB Worker MATLAB can read and process only encrypted configuration files. The EATB Configuration Encrypter is a component of the EATB installation package that is used to encrypt the *.m files into *.eatb files. To use the EATB Configuration Encrypter, a valid MATLAB license (MATLAB® Runtime 2024a) is needed.

If you have encrypted the files (*.eatb) already, then only MATLAB® Runtime 2024a, which is part of the EATB installation, is needed to generate the reports.

2.4 Compatibilities

EATB is compatible with the following ETAS products:

Product	Version
INCA-FLOW	V4.16
MDA	V8.7.0 or newer



Note

Note that older versions are only executable under special conditions and are not recommended.

2.5 Build Information

To view the EATB build information, go to **Control Panel > Programs and features > ETAS Analytics Toolbox.xx** where xx is the build number.

3 Installing

3.1 Preparation

Check the delivery package to ensure that it has all the deliverables. Make sure that your system corresponds to the system requirements. Depending on the operating system and network connection used, you must ensure that you have the necessary user privileges.

3.2 Delivery Package

The delivery package is available via the Download Center. For more information, see "[Installation Steps](#)" below. The EATB delivery package has the following content:

- EATB Installer
- Installation Guide

3.3 User Privileges

To install and uninstall EATB, you must have administrator rights. If necessary, contact your system administrator.

3.4 Installation Steps



Note

Before starting the installation, make sure that the ETAS License Manager is terminated.



Note

Make sure that you have maintained the minimum space in c : \ drive to complete the installation even if you choose other drives. A minimum of 10 GB free space is required to be able to run reports.

To install EATB

1. Make sure that the ETAS License Manager is terminated.
2. To download the installation package, log in to the Download Center on www.etas.com.
3. Via the "Product Family / Category" drop-down menu, select EATB and download the installation package (*.zip).
Ensure that the security settings are unblocked:
 - i. Right-click the *.zip file and click **Properties**.
 - ii. On the **General** tab, click **Unblock** in the "Security" section at the bottom.

4. Extract the *.zip file.
5. Run the setup.exe file and confirm the pop-up with "Yes".
The "Welcome" dialog box is displayed.
6. Click **Next**.
7. Specify the installation path or click **Browse...** to select the folder to install EATB. By default, the C:\Program Files\ETAS\EATBx.y folder is created for installation. If you enter an installation path, do not use any special characters.
8. Change the ETAS Installation Guide port number if required. By default, Port 9231 is used for EATB installation. Refer to ["Port Configuration" on page 7](#) for more details.
9. Specify the path or click **Browse...** to select the folder for installing the EATB demo data. By default, C:\Program Files\ETAS\EATBx.y\Demo folder is created.
10. Click **Next** to proceed to the next installation step.
The "Ready to Install" dialog box is displayed.
11. Click **Install**.
The installation process is initiated. An "Installation" dialog box is displayed after the completion of installation process.
12. Click **Finish** to complete the installation.
EATB is installed in the selected location.

4 Licensing

A valid license is required to use the software. You can obtain a license in one of the following ways:

- from your tool coordinator
- via the self-service portal on the ETAS website at www.etas.com/support/licensing
- via the ETAS License Manager

To activate the license, you must enter the Activation ID that you received from ETAS during the ordering process.

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To open the ETAS License Manager help

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1. From the Windows Start menu, select **E > ETAS > ETAS License Manager**.
The ETAS License Manager opens.
2. Click in the ETAS License Manager window and press F1.
The ETAS License Manager help opens.

To change the log path for the ETAS License Manager

By default, the ETAS License Manager saves the log files under `C:\ProgramData\ETAS\LogFiles\LiMa` or `C:\ETAS\LogFiles`. Optionally, you can specify another log path for the ETAS License Manager during installation.

- To specify another path, change `defaultValue` in the `InstallationDefaultSettings.xml` file.

Under the specified path, a subfolder called "LiMa" is created for the log files.



Note

Specify a path to which you have read and write access. Otherwise, an error can occur. If you do not have access at all, the log path cannot be created. If you have read-only access, the log path is created but you cannot create a report in EATB and you cannot view the license.

4.1 License Variants

- EATB GUI
User interface supporting the creation of configurations and the generation of reports.
- EATB Worker

Compact variant of EATB that contains the core application needed to create reports without the UI.

EATB Worker is available for the following use cases:

- EATB Worker GUI

License type that is needed if a report is created using a configuration from the Configuration Creator.

- EATB Worker Python

License type that is needed if a report is created using a Python configuration file.

- EATB Worker MATLAB

License type that is needed if a report is created using a MATLAB configuration folder.


To create several reports at the same time without having to wait until the first one is finished, several EATB Worker licenses are needed. If you want to use Python and MATLAB files in one report, both licenses are required for report creation.

For more information about EATB Worker, see the `EATB_V6.1_Scripting_Guide.pdf`.

5 Upgrading

It is possible to have different versions of EATB on your system. But it is not possible to run two different versions of EATB simultaneously. For more information about hardware and software components required for installation, see "[System Requirements and Components](#)" on page 8.


To upgrade EATB

1. To terminate EATB, click .
2. Optionally, uninstall EATB. For more information, see "[Uninstalling](#)" on page 14.
3. Install the latest version of EATB. For more information, see "[Installation Steps](#)" on page 9.

To transfer the data from the previous EATB version

The EATB data base contains the links to all generated reports and the templates created in the "Configuration Creator". After installing a new version of EATB, the database is automatically migrated to the following location: C:\User-s\<username>\.EATB\<version>\db\<username>.mv.db.

If you do not want to use the migrated database, you can delete this file. If the migration fails or if you want to perform the migration manually, proceed as follows:

1. Make sure that no report is running. To terminate EATB, click .
2. Navigate to the installation folder of EATB. The default location is C:\Program Files\ETAS\EATBx.y.
3. Type "cmd" into the address bar and press return.
The Windows command line opens.
4. To get further information, type `migrate-eatb-db.bat -h`.
5. To start the migration, type `migrate-eatb-db.bat`.

If the database was already migrated, the process is aborted.

6 Uninstalling



Note

When you uninstall EATB, the demo data and documents will also be deleted from the specified directories.

However, the data base, reports, and log files will not be deleted. They are stored in `C:\Users\UserID\.EATB`. This ensures a backup in case a new version of EATB is installed.

The Matlab runtime version that gets installed during the installation process of EATB, will neither be uninstalled automatically.

To uninstall EATB

1. Close all open files inside the EATB product first.
2. In the folder where the installation package is stored, double-click `setup.exe`.
The "User Account Control" window opens.
3. To allow the ETAS Generic Software Installer making changes to your device, click **Yes**.
The "Setup ETAS Analytics Toolbox" window opens.
4. Click **Next**.
The "Uninstall previous products" window opens.
5. Check the EATB version that you want to uninstall and Click **uninstall now**.
The uninstallation process starts. The full green bar indicates that EATB is now uninstalled from your computer.

7 Contact Information

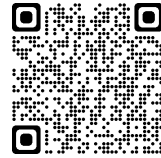
Technical Support

For details of your local sales office as well as your local technical support team and product hotlines, take a look at the ETAS website:

www.etas.com/hotlines

ETAS offers trainings for its products:

www.etas.com/academy



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