ETK Tools V4.2.2

Release Notes

Contents

1 Introduction

Dear Customer, in this file you will find the latest information about our product ETK Tools 4.x

IT IS NECESSARY TO UPDATE ALL FIRMWARE USING HSP 10.4 PRIOR TO USING ETK TOOLS V4.x WITH ETK / XETK HARDWARE

(Note: With a latest hotfix a higher HSP version must be used)

1.1 Definitions and Abbreviations

Term/Ab-breviation	Definition
ECU	**E**ngine **C**ontrol **U**nit
EHI	**E**TAS **H**elp Desk **I**nternational
ETK	Emulation probe (**E**mulation **T**ast**k**opf)
HF	**H**ot**f**ix
HSP	**Ha**rdware **S**ervice **P**ack
HW	**H**ard**w**are
KIR	**K**nown **I**ssue **R**eport – For severe Problem Reports which occur after a release, ETAS has introduced the Known Issue Report to inform affected customer immediately. The current Known Issues of former versions can be found on the ETAS website: http://www.etas.com/kir
OHI	**O**pen **H**ardware **I**ntegration
PR	**P**roblem **R**eport
SP	**S**ervice **P**ack
SW	**S**oft**w**are

1.2 References

1.3 Conventions

The following typographical conventions are used in this document:

Choose **File → Open**.	Menu commands are shown in boldface.
Click **OK**.	Buttons are shown in boldface.
Press <ENTER>.	Keyboard commands are shown in angled brackets.
The "Open File" dialog box is displayed.	Names of program windows, dialog boxes, fields, etc. are shown in quotation marks.
Select the file setup.exe	Text in drop-down lists on the screen, program code, as well as path and file names are shown in the Courier font.

| A *distribution* is always a one-dimensional table of sample points. | General emphasis and new terms are set in italics. |

1.4   User Documentation

The *ETK Tools* user's documentation in PDF format can be found in the installation folder on the PC.

It can be called up from the Windows start menu: **→ Program → ETAS→ ETK Tools → ETK Tools Manuals**

2 Product Definition

2.1 Functions at a glance

ETK Configuration Tool and XCT Configuration Tool are used to configure the ETK / XETK / FETK hardware to the requirements of the project. In addition these tools can be used to read the configuration for from the ETK / XETK / FETK hardware.

An interoperability matrix showing which ETK / XETK / FETK hardware is supported by which ETAS software can be viewed on the ETAS web page:

http://www.etas.com/en/products/etk_xetk_ecu_interfaces-etk_drivers_tools_compatibility_list.php

2.2 General Description

2.2.1 System Prerequisites

Minimum System Prerequisites

Hardware	1.0 GHz PC 1 GB RAM DVD-ROM drive Network adapter Graphics with a resolution of at least 1024 x 768, 32 MB RAM
Operating System	Windows® 8 (64 bit), Windows® 10 (64 bit)
Free Disk Space	500 MB (not including the size for application data)

Recommended System Prerequisites

Hardware	2.0 GHz Dual-Core PC or equivalent 2 GB RAM DVD-ROM drive Network adapter Graphics with a resolution of 1280 x 1024, 128 MB RAM
Operating System	Windows® 8 (64 bit), Windows® 10 (64 bit)
Free Disk Space	>2.0 GB

2.2.2 Software Prerequisites

Important notes:

In order to use ETK Tools the user needs read and write access to the registry path HKEY_LOCAL_MACHINE\Software\ETAS.

2.2.3 Release Test Configuration

2.2.4 Restrictions

The following operating systems are not supported:

- Windows® 95

- Windows® NT

- Windows® 98SE

- Windows® 2000

- Windows® XP

- Windows® Vista

- Windows® 7

2.3   Delivery

The ETK Tools can be downloaded from the ETAS Download Center:

http://www.etas.com/en/products/download_center.php

2.3.1   Used 3rd Party Software

The 3rd Party Software used by ETK Tools is listed in the document: Open_Source_Software_in_ETK_Tools.pdf (in folder \Manuals\OpenSourceSoftware)

2.4   Installation

To install double click setup.exe of the downloaded installation package and follow the on screen instructions.

2.4.1   Installation Hints

-     After the installation a reboot might be required.
-     This installation sets up ETK Configuration Tool and XCT.

2.5   Licensing

ETK Tools is not protected via electronic licensing.

3　Changes

This chapter describes changes with respect to the previous version of *ETK Tools*

3.1　What's New

New with ETK Tools V4.2.2

- **INCA**: **Monitor variable handling improvement**: Only monitor variables of connected or selected device can be used in the variable selection dialog
- **INCA**: **Advanced code check improvement**: Open Memory Page Manger after clicking Continue
- **XCT**: Support of ReconfigurableSizeMoveableEmuRAM for fixed size calibration handles, needed for 3rd party XCP master use case
- **XCT**: **Forward compatibility**: From now on the XCT accepts XCT projects of a higher version
- **XCT**: Improved device and controller selection for new projects
- **XCT**: Ignore not known memory segments

New with ETK Tools V4.2.1

- BR-XETK-S3: support of "no trigger polling"
- XETK-S20/S30, BR-XETK-S1/S3: delete not supported configuration combinations
- BR-XETK-S4: delete not supported XCP flashing
- XCT use the actual IP address of a connected device for A2L file generation
- FETK-T: support of the config feature for FETK power down mode
- Support of Calibration wakeup via GUI and script:
  - o A2L file generation and import
  - o Wakeup ECU
- Configuration of the XETK IP address via script
- ETK reboot via script
- Support of automatic overlay layout configuration
- Read hardware states via script (ECU reset state, trace interface state, etc.)

New with ETK Tools V4.2.0

- **Software Component Check**: Checks whether the A2L file matches to several software components running on one ECU

- **Support of TC33xPD**: Support of the TC33x production device (INCA, XCT and ECU Flashing)

- **XETK-S20/S30, BR_XETK-S1/S3**: Removed not allowed trigger polling rate

- **BR_XETK-S3**: support of "no trigger polling", improved the data rate for trace measurement

3.2　Compatibility to Earlier Releases

In general compatibility to other ETK / XETK Configuration Tools has been taken into account. Newly introduced configuration features cannot be used by former ETK / XETK / FETK Configuration Tools.

If necessary, the installation asks to uninstall older version of ETK Drivers & Tools or ETK Tools.

3.3   Fixed Problems

This section describes the set of fixed problems of the released version of ETK Tools

Problems solved with ETK Tools 4.2.2

Problem Number	Title
636455	FETK not visible any more after download via XCT (overlapping physical addresses are no longer allowed)

Problems solved with ETK Tools 4.2.0

Problem Number	Title
622847	XCT: Hex editor window does not update values after ECU Reset.
625368	"EXCLUDE_FROM_FLASH" doesn't work for BR-XETK-projects

3.4   Known Issue Reports

If a product issue develops, ETAS will prepare a Known Issue Report (KIR) and post it on the internet. The report includes information regarding the technical impact and status of the solution. Therefore you must check the KIR applicable to this ETAS product version and follow the relevant instructions prior to operation of the product.

The Known Issue Report (KIR) can be found here: www.etas.com/kir

3.5   Known Issues

This section describes the set of known problems of the released version of ETK Tools.

3.5.1   Software related Items

Problem Number	Title
N/A	N/A

3.5.2   Hardware related Items

Problem Number	Title
N/A	N/A

4   Hints

5   Hotfix Information

6   Contact Information

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ETAS Subsidiaries and 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:

ETAS subsidiaries   Internet: www.etas.com/en/contact.php
ETAS technical support   Internet: www.etas.com/en/hotlines.php