

Release Notes

HSP Update Tool V5.32

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1. Introduction

1.1. Definitions and Abbreviations

Term/Abbreviation	Definition
EHI	ETAS Help Desk International
HSP	Hardware Service Pack
HSP-UT	HSP-Update Tool
HW	Hardware
KIR	Known Issue Report – 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
PR	Problem Report
SW	Software

1.2. 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.

1.3. User Documentation

The HSP-UT user's documentation in PDF format can be found on the [Download Center - ETAS](#).

2. Product Definition

2.1. Functions at a glance

The **Hardware Service Pack** is a product for the firmware management on the ETAS hardware. This product consists of three components.

- HSP Update Tool
- HSP Service Pack
- LABCAR-FWP

The HSP Update Tool is the user Interface for the firmware update process. This tool enables an easy update of the firmware in the ETAS hardware and gives clear information on the current versions of the firmware contained in the hardware. The HSP Service Pack and LABCAR-FWP contains the actual firmware, i.e. the files that will be downloaded to the hardware.

These release notes are valid for the HSP Update Tool component. The release notes for the firmware part can be launched for each installed HSP version in the HSP Update Tool.

2.2. General Description

2.2.1. System Prerequisites

The following minimum system prerequisites have to be met:

Required Hardware	2,0 GHz Dual-Core PC or equivalent 2 GB RAM Network adapter Graphics with a resolution of 1280 x 1024, 128 MB RAM
Supported Operating System	Windows® 10 – 64bit, Windows® 11, Windows® Server 2019, Windows® Server 2022
Required Free Disk Space	2 GB

The following system prerequisites are recommended:

Recommended Hardware	3 GHz Quad-Core PC or equivalent 4 GB RAM Network adapter Graphics with a resolution of 1280 x 1024, 128 MB RAM
Recommended Operating System	Windows® 10 – 64bit or higher
Recommended Free Disk Space	>2,0 GB

2.2.2. Software Prerequisites

All needed prerequisites are contained in the HSP installation package.

2.2.3. Restrictions

As of HSP V9.0.0 the HSP Update Tool cannot be installed on Windows 2000 or earlier Windows versions.

As of HSP V10.6.0 the HSP Update Tool cannot be installed on Windows® XP or earlier Windows versions.

As of HSP V13.4.0 the HSP Update Tool cannot be installed on Windows® 7 or earlier Windows versions.

As of HSP V14.0.0 the HSP Update Tool cannot be installed on Windows® 8 or earlier Windows versions.

2.2.4. Miscellaneous

The HSP Update Tool is shipped within the HSP product. An HSP installation contains the HSP Update Tool and the firmware configured as HSP versions. The selection of the desired HSP or LABCAR-FWP version can be made in the HSP Update Tool.

Please note that the icon on the desktop starts the HSP Update Tool.

2.3. Delivery

The HSP product is distributed by download from [Download Center - ETAS](#).

2.3.1. Used 3rd Party Software

Used 3rd party software and related licenses are documented in the file:
HSP-UT_OSS_Attribution_Document.pdf.

This file can be found by clicking the Help – Open Source Software Attributions... in the HSP Update Tool User Interface. The window that then opens shows the OSS attributions for the delivered firmware.

2.4. Installation

To start the HSP installation:

- Double click on the setup.exe file in the HSP installation package.
- Follow the instructions displayed by the installation wizard.

2.4.1. Installation Hints

None.

2.5. Licensing

No license is needed for the use of HSP Update Tool.

3. Changes

This chapter describes changes with respect to the previous version of HSP Update Tool.

3.1. What's New

This chapter describes new or enhanced functions delivered with this HSP-UT version.

- Support of ES134.1: 2 channel LIN device, Ethernet connection
- Support of ES570.1: Gigabit Automotive Ethernet TAP
- Support of XETK-S16.0D supporting PCIe
- Support of MCE-PC (Linux): iLinkRT V3 - 1ms timing

3.2. Compatibility to Earlier Releases

No compatibility issues known.

3.3. Fixed Problems

This section describes the set of fixed problems in this version of HSP-Update Tool.

Problem Number	Title
772687	HSP: Firmware version is not available for ES582.2 and ES584.2 in INCA after Online Firmware Check

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:

<http://www.etas.com/kir>

3.5. Known Issues

This section describes the set of known problems of the released version of HSP Update Tool.

3.5.1. Hardware related Items

Problem Number	Description
88418	Communication with the LABCAR RTPC web-interface disturbs the update of LABCAR-HW via the LABCAR RTPC system. All web-browsers communicating with the RTPC web-interface shall therefore be closed before starting the HSP Update Tool.

4. Hints

Important notice

For avoiding negative interference with other ETAS applications, please be sure to close the HSP Update Tool when the update is finished.

Downdate

With “Downdate” is meant the process to go back to an older firmware version as currently flashed in the hardware.

To perform a downdate an update with the required HSP version shall be performed. Please be aware of that some products have limitations in the HSP versions they can be downdated to.

Configuration of the Ethernet interface

Almost all ETAS Hardware uses a communication speed of 1Gbit/100MBit and full duplex mode as standard, except the ES610, ES611, ES620 and ES650 using 10MBit half-duplex.

For seamless use of ETAS hardware please use Ethernet interfaces capable to handle 10/100/1000MBit with half and full duplex mode.

Use the setting “Auto” for the property “Speed & Duplex” for the Ethernet interface communication.

Please also configure your Ethernet interface in a way that allows fast communication synchronization after an interrupt. During the update process the ETAS HW will be reset by the HSP Update Tool a couple of times. During the reset periods, the Ethernet communication is interrupted.

Using ES1130 as master in ES4300-systems

When updating slave cards in an ES4300 system (LabCar VXI-Hardware) the master card, e. g. the ES1130, must be positioned in slot 1, i. e. the most left position in the system.

Update of slave cards in a LABCAR environment

In some cases slave cards are not found by a Search For Hardware in a LABCAR VME/VXI system. Flashing an empty project into the ES1130 could in these cases help. To perform this, select the “Flash Empty Project to ES1130” command from the Tools menu. In the Flash Empty Project window select the ES1130 to be flashed and press OK. The “Flash Empty Project to ES1130” command is only available when a LABCAR configuration is selected in the HSP UT window.

Update of ES-DaisyChain units connected to ES910

To update the firmware to HSP V9.4.0 for an ES_DaisyChain system that is connected to the ES910 IO-port the ES910 has to be updated to this version first. Please ensure that the update check box for the required ES910 unit is checked before you start the update process.

If you want to downgrade your system to a FW-Version delivered with HSP V9.3.1 or older, then you have to make it in two steps. First you have to downgrade only the ES_DaisyChain system by unchecking the update check box for the required ES910 unit. Perform update. Then perform update once more with the check box checked for the ES910 unit.

5. Contact, Support and Problem Reporting

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 www.etas.com/en/contact.php

ETAS technical support www.etas.com/en/hotlines.php