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## HSP-SP V12.4.0

### Release Notes

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## 1 Introduction

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### 1.1 Definitions and Abbreviations

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Term/Abbreviation	Definition
EHI	<b>ETAS Help Desk International</b>
HSP	Hardware Service Pack
HSP-UT	HSP-Update Tool
HW	Hardware
KIR	<b>Known Issue Report</b> – 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: <a href="http://www.etas.com/kir">http://www.etas.com/kir</a>
SW	Software

## 2 Product Definition

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### 2.1 Functions at a glance

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The **Hardware Service Pack** is a product for the firmware management on the ETAS hardware.

This product consists of two components.

- HSP Update Tool
- Service Pack
  - LABCAR Hardware (LABCAR-FWP)
  - MCD Hardware (SP)

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 Service Pack contains the actual firmware, i. e. the files that will be downloaded to the hardware.

These release notes are valid for the HSP MCD Hardware Service Pack.

**The content of this release notes, i.e. Chapter 3, can also be launched from the HSP Update Tool for each installed Service Pack version.**

### 2.2 General Description

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#### 2.2.1 System Prerequisites

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The following minimum system prerequisites have to be met:

HSP V12.4.0 has to be installed. See the HSP-UT release notes or Getting Started for information about the HSP installation.

### 3 Changes

This chapter describes changes with respect to the previous HSP versions and lists the current known issues

#### 3.1 Configuration Information

Configuration	Version	Release Date
HSP	V12.4.0	2021-03-30

#### 3.2 Released Features

##### 3.2.1 New or Enhanced Functions

With this release, the following functionality has been added. This list also shows features of existing previous refreshes of this HSP major version.

Description	Products	Released With
Enable/disable the sending of PTP frames individually per external Ethernet Port of the ES89x/ES88x devices via Web GUI	ES891.1, ES892.1, ES882.1, ES886.1	HSP V12.4.0
Implement a standby configuration storage for XETK	XETK-S20.0B, XETK-S20.1B, XETK-S30.0C, BR_XETK-S1.0A, BR_XETK-S3.0A	HSP V12.4.0
Enable TCP window scaling in the LWIP stack	BR_XETK-S3.0A	HSP V12.4.0
Improve monitor variables	BR_XETK-S1.0A, BR_XETK-S3.0A	HSP V12.4.0
Report measurement status in GET_STATE with key 0x16 (Measurement Status)	XETK-S20.0B, XETK-S20.1B, XETK-S30.0C, BR_XETK-S1.0A, BR_XETK-S3.0A	HSP V12.4.0
MAXWAIT - implement chosen solution	FETK-S1.0A, FETK-S1.1A, FETK-T1.0A, FETK-T1.1A	HSP V12.4.0
Disallow illegal DAP settings in hwcfg.lua (160MHz + 2-Pin-DAP)	FETK-S1.0A, FETK-S1.1A, FETK-T1.0A, FETK-T1.1A, FETK-T1.1B, FETK-S1.1B	HSP V12.4.0
Implement XCP Command Get_Version	FETK-S1.0A, FETK-S1.1A, FETK-S2.0A, FETK-S2.1A, FETK-S1.1B	HSP V12.4.0
Extend XCP "START_STOP_SYNC"	FETK-S1.0A, FETK-S1.1A, FETK-S2.0A, FETK-S2.1A, FETK-S1.1B	HSP V12.4.0
The USB driver now installs also on Windows Server 2019	ES582.1, ES584.1	HSP V12.4.0
Improved configuration handling yields faster start up	ES160, ES162, ES165	HSP V12.4.0

### 3.2.2 Corrected Errors

The following table contains all errors that have been corrected in this and previous refresh releases.

Call ID	Description	Products	Released With
650642	TCP retransmit might be suboptimal under conditions with ethernet errors	XETK-S20.0B, XETK-S20.1B, XETK-S30.0C, BR_XETK-S1.0A, BR_XETK-S3.0A	HSP V12.4.0
652632	FETK-S2.0 is not found after startup	FETK-S2.0A	HSP V12.4.0
649193	Fixed erroneous behavior in case of repeated	FETK-S1.0A, FETK-S1.1A, FETK-S2.0A, FETK-S2.1A, FETK-T1.0A, FETK-T1.1A, FETK-T3.0A, FETK-T1.1B, FETK-S1.1B	HSP V12.4.0
645146	ETKS-20 via ES891 and Lauterbach, wrong Checksum	ETK-S20.1	HSP V12.4.0
646615	Response from ES16X CPU port is also seen on AE port	ES160, ES162, ES165	HSP V12.4.0

### 3.2.3 Known Issues & Hints

The following table contains known problems open for this release.

Call ID	Description	Products
600627	Communication Error between Host and ES830 when StopOS is clicked while X/FETK is disconnected or powered off. Workaround: Wait 3 minutes (time out) until the System restores communication.	ES830.1
616728	Web GUI reaction to slow after default factory settings reset. Workaround: Wait some seconds after default factory reset and restart, before searching the Hardware in HSP or WEB GUI.	ES830.1
609404	For devices as of hardware revision V3.0 it is not possible to roll back the firmware version to an older version then contained in HSP V12.1.0. I.e. downgrade to an older version as HSP V12.1.0 is not possible. For devices with hardware version below V3.0 it is still possible.	ES523.1
619916	Roll back of the firmware version to an older version then contained in HSP V12.1.0. I.e. downgrade to an older version as HSP V12.1.0 is not possible. This is per design due to rearchitecture of the firmware. No changes in the functionality.	ES582.1, ES584.1
637027	Initialization latency for XCPonCAN could be too large for the ECU	ES830.1
650388	The downgrade to an earlier HSP version than HSP V12.3.0 is prohibited to prevent the reoccurrence of known problems.	ES160, ES162, ES165
645499	When using more than 4 analog outputs, i.e. needs more than one ES930 device, a measurement label has to be added to the INCA project. Otherwise, no signal will appear on any analog output channel.	ES930.1
653468	If the setup.exe has to be executed from an other drive, i.e not directly from the DVD, then please copy the setup.exe to a location (folder) different from the previously used location for ES582 installers. Otherwise this could lead to unsuccessful installation.	ES582.1, ES584.1

## 4 **Contact, Support and Problem Reporting**

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

ETAS subsidiaries	WWW:	<a href="http://www.etas.com/en/contact.php">www.etas.com/en/contact.php</a>
ETAS technical support	WWW:	<a href="http://www.etas.com/en/hotlines.php">www.etas.com/en/hotlines.php</a>