ES134 Version 1.0.0

Release Notes

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1. Introduction

1.1. Definitions and Abbreviations

Term/Abbreviation	Definition
EHI	**E**TAS **H**elp Desk **I**nternational
HW	Hardware
FW	Firmware, i.e., the code running on the ETAS HW
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: www.etas.com/kir
PR	Problem Report
SW	Software
HSP	Hardware Service Pack, delivers new FW version for ETAS HW and updates the ETAS hardware
HSP-UT	HSP Update Tool, the user interface for HSP

1.2. User Documentation

The ES134 user's documentation in PDF is distributed by download from the ETAS home page www.etas.com.

2. Product Definition

2.1. Functions at a glance

The ES134 module is a dual-channel, compact and cost-effective LIN interface.

It connects with other ETAS devices such as ES600.2, ES523.1, ES59x, ES89x and ES88x over a LEMO connector. The module gets power supply via the LEMO connector, and no external power supply is needed. Installation and configuration require only minimum effort. The ES134 module records measurement data with high accuracy from its LIN channel. INCA accurately synchronizes all the ES134 measurement data with signals from other ECUs and measurement modules.

2.2. General Description

2.2.1. System Prerequisites

The following minimum system prerequisites have to be met, valid for the ED-EBI (ETAS hardware interface) installation:

Required Hardware	2,0 GHz Dual-Core PC or equivalent
	2 GB RAM
	Graphics with a resolution of 1280 x 1024, 128 MB RAM
Required Operating System	Windows® 10, Windows Server 2019
Required Free Disk Space	500 MB (not including the size for application data)

The following system prerequisites are recommended:

Required Hardware	3 GHz Quad-Core PC or equivalent
	4 GB RAM
	Network interface card
	Graphics with a resolution of 1280 x 1024, 128 MB RAM
Required Operating System	Windows® 10, Windows® 11
Required Free Disk Space	>2,0 GB

2.2.2. Software Prerequisites

For the use of the ES134 no Add-on installation is needed. The ES134 is integrated in INCA core system.

The ES134.1 is fully supported as of:

- INCA   V7.5.3
- HSP   V14.3.0
- ED-EBI   V2.44.0

The ED-EBI package must be installed separately if INCA is not used.

Please note: the ES134.1 is not backwards compatible to older INCA versions.

2.2.3. Release Test Configuration

Complete release tests for ES134.1 have been run with INCA V7.5.3 and HSP V14.3.0 under Win 11

2.2.4. Restrictions

None

2.3. Delivery

The ES134.1 is delivered with the corresponding CBCF100 cable. All software documentation is available in the Portable Document Format (PDF), which requires Adobe® Reader® can be downloaded from www.etas.com.

The HSP product is distributed by download from the ETAS home page www.etas.com.

2.3.1. Used 3rd Party Software

Used 3rd party software and related licenses are documented in the file:

ES134.1. _OSS_Attribution_Document.pdf.

This file can be found on the HSP Update Tool User Interface by clicking the Help – Open Source Software Attributions.

3. Features

This chapter describes the features of ES134.1

3.1. What's New

Introduction of the ES134.1 featuring:

- Support of 2 channel LIN for speeds up to 20kbps.
- Combined Lemo connector
- Multi-client support

3.2. Compatibility to Earlier Releases

 Please note: the ES134.1 is not backwards compatible to older INCA versions.

3.3. Fixed Problems

This section describes the set of fixed problems of the released version of ES134 V1.0.0.

Problem Number	Title
N/A	

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 ES134 V 1.0.0.

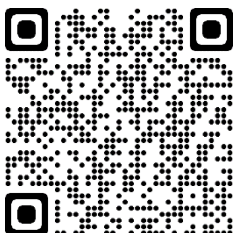### 3.5.1. Software related Items

Problem Number	Title
N/A	

3.5.2. Hardware related Items

Problem Number	Title
N/A	

4. Contact Information

4.1. 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 website: www.etas.com/hotlines

4.2. ETAS Headquarters

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