

Hänsch[®]///

INNOVATIONS 2023



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Further information

Working lights
www.fg-haensch.com



Amber products
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Article numbers and prices can be found in our price list.

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LED rotating light in night mode

NEW LIGHTBAR FUNCTIONS

Rotating light (additional option)

The emergency vehicle should achieve the optimal warning effect in every environment, but at the same time – at night or at a standstill – it should not cause stress or dazzle/distract emergency personnel and other road users or persons involved. For this reason, Hänsch has integrated the rotating light in the DBS 850 and DBS 5000 lightbar systems. This function is activated via the night mode.

During the day and when driving to an emergency with right of way, a separate flash pattern is used that offers maximum light, enabling early recognition by other road users.

Please feel free to contact us!



DBS 850 extension

Since the introduction and successful series start of the DBS 850 in autumn 2022, Hänsch has further developed the product. The lightbar is now also available with FireCAN control and with amber functions or homologations.

FireCAN

Fire brigade installers can now integrate the DBS 850 directly into their FireCAN systems and control it via their FireCAN HMI*:

- reduces the wiring effort
- facilitates later extensions
- saves converters or I/Os of control units, which can be dispensed with or used elsewhere

Amber functions

- amber main beacon – for the amber market or as a combination in a blue/amber switchable lightbar – homologation: TA2 (E) 00 5282
- rear warning system homologated according to ECE-R65 for securing emergency vehicles at a standstill – homologation: XA1 (E) 00 5279
- traffic advisor – function for directing the traffic with an amber traffic advisor from left to right, right to left or inside to outside (special approval required)
- front direction indicator – according to ECE-R148, category 1 homologation, integrated in the corner modules – homologation: 1 (E) 148R00 0288
- rear direction indicator – according to ECE-R148, category 2a homologation, integrated in the corner modules – homologation: 2a (E) 148R00 0288



FireCAN / DIN14700:

Hänsch is a member of the DIN14700 standardisation committee and collaborates in the design and further development of this standard.

We'll be glad to advise you!

*HMI – Human Machine Interface

Sputnik Hybrid mounting brackets

OUR VARIANTS



Further variants on request!

New Sputnik variants: CiA447, Black, WigWag

	Sputnik Hybrid		Sputnik Flat	
	Horizontal	Vertical	Horizontal	Vertical
● ECE-R65	✓	✓	✓	✓
●● ECE-R65	✓	✓	✓	✓
● ECE-R65	✓	✓	✓	✓
●● ECE-R65	✓	—	—	—
● ECE-R65	✓	✓	—	—
● ECE-R65	✓	—	—	—
Wide radiation angle, blue (motorcycle front flasher)	✓	—	—	—
CiA447 control	✓	✓	✓	✓
WigWag (white flashing light, intermittent main beam)	✓	—	—	—
Direction indicator, brake/tail light - ECE-R148	—	—	✓	—

Please feel free to contact us – we'll find the right solution for your application.

OVERVIEW OF FUNCTIONS

- two-colour
- functional adaptation of up to 4 universal signal lines:
 - function monitoring
 - activation line (powerless switching)
 - day/night switching
- flash pattern presetting
- various vehicle-specific mounting brackets
- configuration possible on customer's request



Sputnik Flat mobil

Our Sputnik Flat mobil is an additional directional warning system for placement behind the windshield to increase the forward-directed warning effect at the rear-view mirror height of the vehicle travelling in front. It can be used both in civil vehicles as an effective mobile front flasher and as a supplement to the permanently installed warning systems of an emergency vehicle.*

Due to the design of the housing, the angle of inclination of the light can be adapted to the windshield, ensuring dazzle-free operation. In addition, occupant protection was taken into account in compliance with ECE-R21.



PRODUCT FEATURES

- electronics completely integrated in the lamp body
- analogue supply via universal (UN) or metal elbow plug (KA)
- on request: CiA447 controllable, multicoloured variants
- field-tested, simple and fast fixing to the windshield with two suction cups
- optional: soft shell or synthetic leather protective case available

*According to the German traffic regulations, there is no general homologation for mobile warning systems. Permission for use in the vehicle must be clarified or obtained by way of a special permit by the user/using authority in advance.

<i>Technical data:</i>	
Description:	Sputnik Flat mobil
Voltage:	12 V / 24 V multi-voltage
Dimensions:	230 x 115 x 60 mm
Weight:	approx. 250 g (without cable)
<i>Homologation: (Germany and international)</i>	
Light according to ECE-R65	XB2(E1)00 5260 (beacon itself is type-approved) XA2(E1)00 5261 (beacon itself is type-approved)
EMC according to ECE-R10	(E1)10R-06 9557

TFA 724 - Airhorn

The Bavarian Red Cross has received an integrated airhorn function in the signalling system for the latest emergency rescue equipment generation procured for all executors in the Bavarian rescue services. The deep, penetrating airhorn tone ideally supplements the tone sequence and ensures additional alertness of road users when in use. Hänsch has implemented the well-known signal from the USA on the TFA 724 / 12 V and homologated it as a vehicle horn according to ECE-R28. According to DIN 14610, it is permitted to use this horn via the special signalling system.

PRODUCT FEATURES

- more attention of other road users
- only special signalling system for AIRHORN approved in Germany

<i>Technical data:</i>	
Description:	TFA 724
Voltage:	12 V
Material:	2 x DKL 604
<i>Homologation:</i>	
ECE-R28:	II (E1) 00 0915



Audio example of the airhorn signal

If no drop-box app is installed, please select "Or continue to website"!

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Voice playback via external loudspeaker

Since spring 2023 there are new options for speech playback via external loudspeakers. Depending on the application and the number of audio sources to be switched, or the desire to playback prerecorded voice announcements, there is a choice of the following systems:

TFA7xx

1 switchable audio source: audio source 1/NF1

- used mainly all for microphone – voice announcement via rod/fist microphone or HBE 300
- the volume can be set digitally on the control unit
- NF1 has priority over special signal – this means: the running tone sequence will be interrupted by the voice announcement
- cannot be used for loudspeaker (LSP) tapping



TFA7xx – extension by 2nd audio interface (with audio transmitter, identifier NFÜ)

2 switchable audio sources

Application: voice announcements via microphone + connection of 1 additional audio source

Audio source 1/NF1 - see above

Audio source 2/NF2*:

- MP3 players, Smartphones and also devices powered by the vehicle battery (car radio, loudspeaker tapping)
- NF2 has a lower priority than the special signal – this means that the tone sequence is not interrupted by the voice announcement



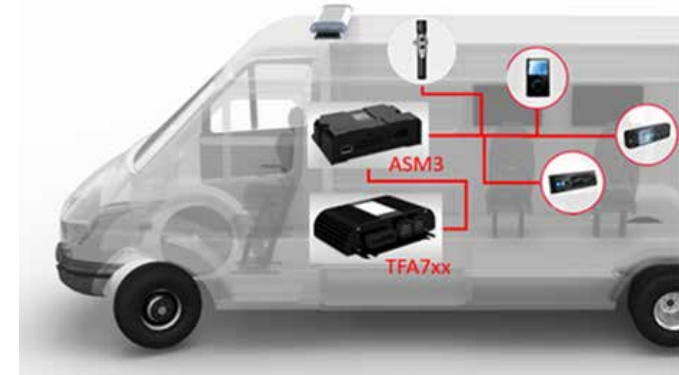
*Loudspeaker (LSP) tapping – here, a signal can be tapped from the internal loudspeaker of the radio transmitter.

Voice playback via external loudspeaker

ASM 3

Up to 4 switchable audio sources

- REC-Play function on 1 memory space with max. 10 minute recording
- works with all common BE 3xx, HBE 3xx in ASM1 mode – this means that there is a choice of 3 audio sources
- works with special universal control units in ASM2 mode, which means that you can choose between 4 sources and a voice memory
- will work in future with all HBE 300S



DigiREC 2.0

Always as a set comprising control unit + HBE 300S (list management, integrated pre-listening loudspeaker)

- switching between 4 audio sources & 2 MIC inputs
- play/REC with 4 recording memories
- menu and list functions for:
 - MP3 playback from SD card (100 tracks, > 600 minutes of recordings possible)
 - MP3 playback from USB stick (100 tracks)
- audio sources activatable via PTT or volume level
- pre-listening loudspeaker controllable
- old BE 3xx and HBE 3xx do not support the DigiREC functions



MOWACOM extensions

MOWACOM[®] - fixed mounting/TTS* texts/extension cable

There are also new items in MOWACOM, the mobile warning and communication system with a 360° angle of radiation. A solution permanently mounted on the vehicle is possible here. This is particularly interesting for command vehicles or general special vehicles with leadership tasks. Furthermore, we offer a service for the production of audio files for voice announcements. Here, rescue organisations can define their own texts and receive professionally produced announcements with constant audio quality and voice. These can be played back from a USB stick or saved directly to the internal memory of the DigiREC 2.0 and played back via the system.

Fixed mounting

- roof unit, operating unit and amplifier + controller are mounted in and on the vehicle

TTS* texts

- preset voices, constant high audio quality, matched to the system
- high flexibility in the text formulation, fast service
- you formulate the texts and send them to us by email
= we produce the audio files and provide them to you by cloud (or according to agreement)

Additional cable

- accessories: extension of the supply cable to the roof unit
- the roof unit was originally designed for use in cars, now an optional extension cable is available for transporter



TTS example



TTS form

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*TTS - TextToSpeech: platform via which written text is transformed into an audio file

The HBE 300 has been used successfully for many years and continually further developed by Hänsch Engineering. The applications and functions that can be controlled via the HBE 300 as a control station have grown constantly over the course of time. That's why we have developed a redesign: more memory for even more applications, an control unit for the DigiREC and a new look and feel – contemporary and ergonomic.

PRODUCT FEATURES

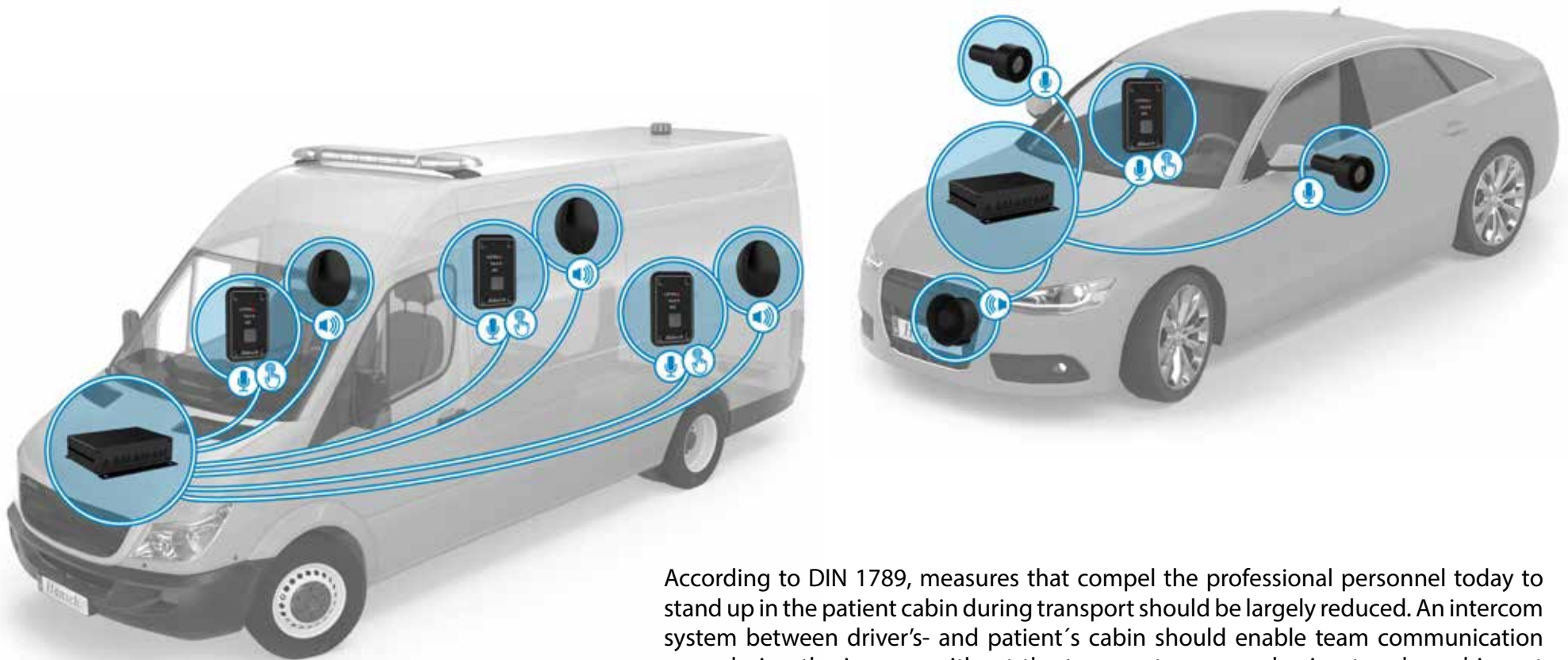
- more memory for even more functions and applications
- integrated pre-listening loudspeaker (LS) for DigiREC 2.0 with selected variants
- contemporary and ergonomic design of the LCD status display:
 - display divided into 3 parts
 - top: settings (volume, LF source, TFV signal, night mode), alternating if necessary
 - middle: activated light functions
 - bottom: activated text or audio functions, e.g. audio file name, alternating if necessary
 - menu design
 - main menu "Light, **Audio**, Text" instead of "Light, **Sound**, Text"
 - smaller lettering in order to be able to read longer words
 - 5-line display instead of 4 lines
- icons of the status display have been optimised

<i>Technical data:</i>		
Description:	HBE 300S FN Universal 10	HBE 300S FN Universal 10 LS
Voltage:	12 V	12 V
Control	CiA447	CiA447
Article no.	3030171005	3030171006



Cartalker 2.0

Intercom system for special vehicles: Intercommunication from the protected interior area with persons on the outside (armoured vehicle) or inside a vehicle with two separate compartments (e.g. ambulances: driver's cabin to patient's cabin).



According to DIN 1789, measures that compel the professional personnel today to stand up in the patient cabin during transport should be largely reduced. An intercom system between driver's- and patient's cabin should enable team communication even during the journey without the transport manager having to release his seat belt for this.

Control unit

- 2 or 3 intercom units
- familiar peripheral components are retained
- plug & Play via automotive connector system
- simple operation – only one button per intercom unit
- pre-adjustment of volume with buttons on the control unit
- digital signal processing, improved audio quality
- extendibility:
 - integration of customer specific CAN networks
 - micro-USB service interface for advanced parameterisation
 - various inputs and outputs for individual switches, LEDs, etc.



Built-in control unit

- one-button control unit
 - status LEDs
 - integrated microphone



Alternative: handset

- one-button control unit
 - integrated microphone
 - integrated loudspeaker
 - spiral cable
 - incl. holder
 - status LED on transmitter board



Infrared solutions

Support from the air is often necessary when rescue services and the police are in action. One's own forces are very difficult to locate from the air in the dark. With infrared solutions that can be integrated in blue light systems and activated with the blue lights, the vehicles for authorities and organizations with security tasks are visible to the helicopters. In addition, there are solutions for undercover operations in which the infrared identification can be activated even without blue light. Please feel free to contact us.

The following products offer the IR option

- DBS 5000
- DBS 4000
- COMET LED
- MOVIA-SL LED



Information on delivery dates

AVAILABLE FROM	
DBS 850 extensions	
• FireCAN controller	Already available
• Amber variants	Already available
Sputnik Flat mobil	Available from Q3
Sputnik hybrid mounting brackets	
• T6.1., MAN TGE, Vito with perforated grille	Already available
• Universal, Ford Transit	Available from Q3
• Crafter, Vito, Sprinter	Available from Q4
Sputnik variants*	
• WigWag, red, red/blue	Already available
• CiA447, black	Available from Q3
MOWACOM extensions	
• TTS	Already available
• Adapter cable	Already available
HBE 300S Universal	Available from Q3
CarTalker 2.0	Available from Q3
Flash pattern: rotating light	Available from Q4
Airhorn	Available from Q4
Infrared solutions	Already available
TFA 7xx	Already available
ASM 3	Available from Q3
DigiREC 2.0	Already available



*see page 5

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