

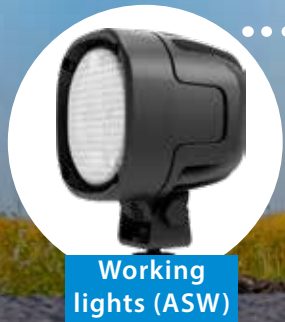
Hänsch[®]///

INNOVATIONS, 1st HALF 2025



ENGLISH

WE ARE
A SYSTEM SUPPLIER
FOR WARNING SYSTEMS



SINCE 1984 WE STAND FOR
Innovation /// High-Tech /// Know-How /// Precision

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FURTHER INFORMATION

BLUE applications



“Amber” applications



Cable assembly



Working lights



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NOVA-S L

As the successor to the tried-and-tested NOVA-S double flash beacon, the new NOVA-S L also impresses with its low installation height and thus plays a part in ensuring that the maximum overall height of the special vehicle is not exceeded. The modern LED technology also ensures a clearly optimised warning effect and an even longer service life.

THE NEW HÄNSCH NOVA-S L

A powerful LED beacon with a large diameter for fixed mounting.

- Fixed mounting according to DIN14620
- Form B2
- CiA447 and analogue
- Colour: blue, amber, red, according to ECE-R65
- Day/night switching
- Diameter 240 mm, height 136 mm
- Function monitoring (+ / -)



DBS 850 – blue / amber

The DBS 850 is now also available with an ECE-R 65 approved amber warning light behind a blue transparent cover glass. This combination meets the following homologation criteria: class 2 for blue light and class 1 for amber warning light.

For this optional range of functions, multicolour-capable main beacons and middle modules are installed which, with a suitable control unit, can switch between blue and amber light.

PRODUCT FEATURES

- Middle modules, multicolour-capable
- Main beacon, multicolour-capable
- Control: CiA447, FireCAN and analogue
- 12 V / 24 V multi-voltage
- Day/night switching
- Main beacon consisting of 4 corner modules
- Extension of the light functions with up to 12 middle modules
- Use of the roof mounting systems of DBS 4000/5000
- EMC according to ECE-R10



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DBS 4000 - take down display SH 90

The take down display with a lettering height of 90 millimetres is now optionally available with an integrated additional flasher function: for this purpose, the take down display (ASG SH 90) is activated on each side together with the respective main beacons and (if fitted) conventional additional flashers. It is also possible to use display as a traffic advisor.

In addition, the LED matrix can still be used freely to display various texts in red lettering.

PRODUCT DETAILS

- Split takedown display, synchronous with main beacons as additional flasher
- Takedown display still usable in the colour red
- Blue: can be used to indicate the right of way while driving
- Blue additional flashers facing forwards and/or rearwards possible

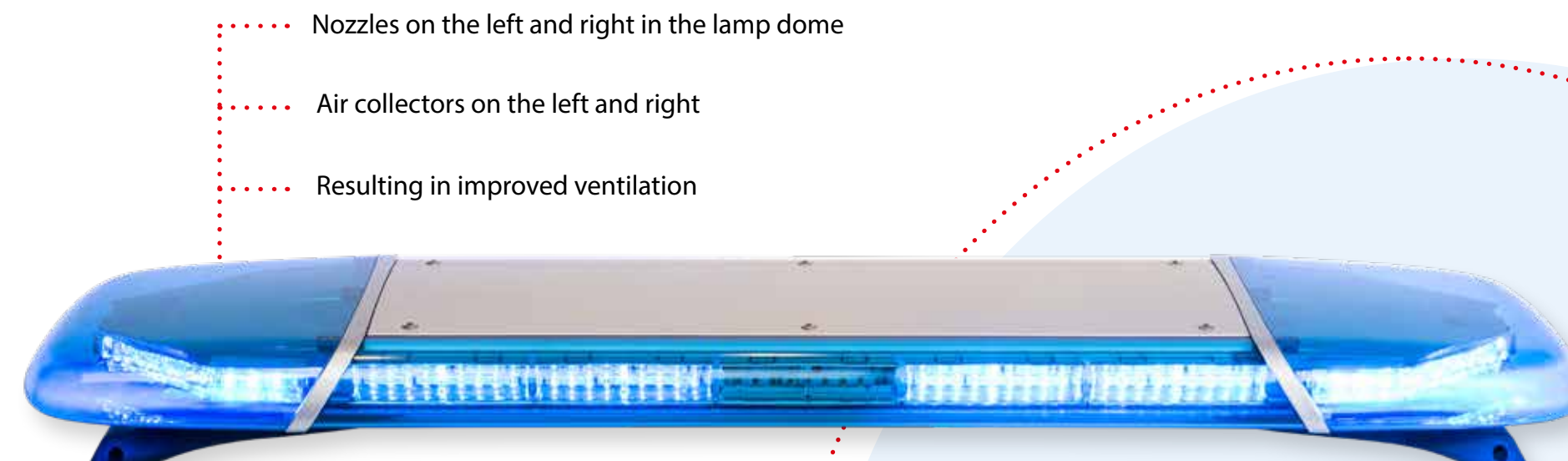


DBS 5000

OPTIMISED AIR CIRCULATION IN THE DBS 5000

As part of our continuous product maintenance, the ventilation concept of the DBS 5000 has been specifically optimised – and has already been implemented as standard since last year. Two purposefully placed nozzles in the lamp dome and two air collectors in the ground profile are used on each side – for a

constantly balanced climate inside the roof bar. The improved ventilation effectively reduces the formation of condensation that can occur due to temperature differences between the interior and the environment, thus contributing to the long-term maintenance of function.



TFA 724 & 744 Per4mance

PRODUCT FEATURES

- Tone sequence system with 1, 2 or 4 DKL* 604s or DKL* 804s with various homologated tone sequence signals, including DIN urban/rural, compressor
- Wide-angle urban signal with crossing effect
- Optional: an additional output stage for voice announcements over up to 2 undercarriage loudspeakers or remote pressure chamber loudspeakers
- 2 switchable AF inputs, each with digital volume control
- Plug compatible with tone sequence systems (TFA) 6xx
- CAN interface: can be integrated into the existing product family, control via e.g. HBE 300, BE 304, BE 308, BE 314, BE 312
- Loudspeaker function control
- Optional: 5 load outputs
 - of which 1 is a beacon output (main or auxiliary beacon/front flasher)
 - of which 1 is usable as a radio timer output
- 2 blackbox (UDS) outputs, 500mA
- Extended diagnostic options: Error memory, I/O diagnostics, voltage, temperature, etc.

* pressure chamber loudspeaker

APPLICATION EXAMPLE

POLICE | RESCUE | FIRE BRIGADE



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TFA 744 Per4mance

URBAN JOURNEYS – LATERAL PROPAGATION

Particularly effective at critical intersections

TFA 744 AIR HORN SIGNAL

This is the only special signalling system for air horn approved in Germany. The deep, penetrating air horn tone ideally supplements the tone sequence and ensures additional alertness of road users when in use.

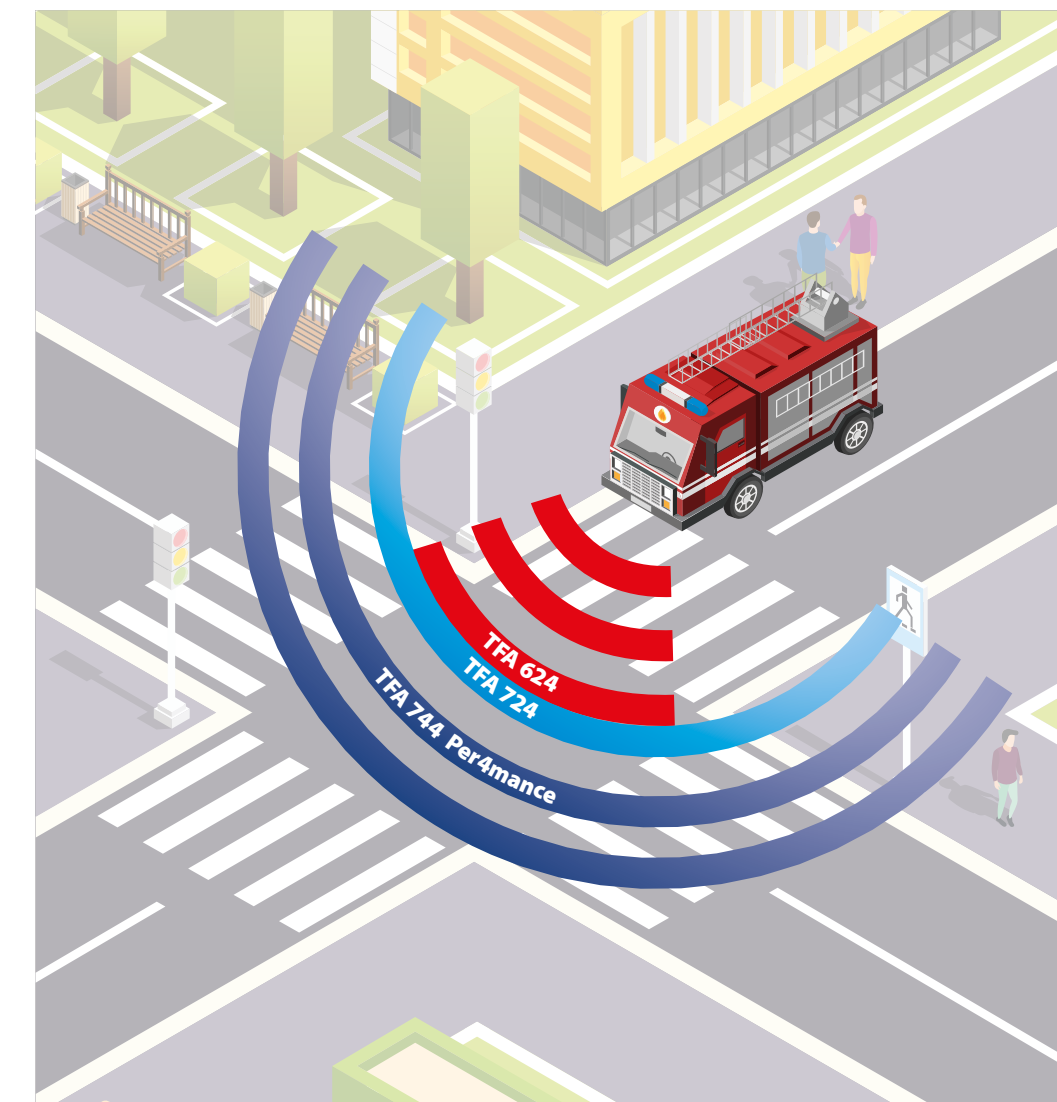
With the 744 Performance system, the parallel operation of the air horn signal is possible without loss of the right of way.



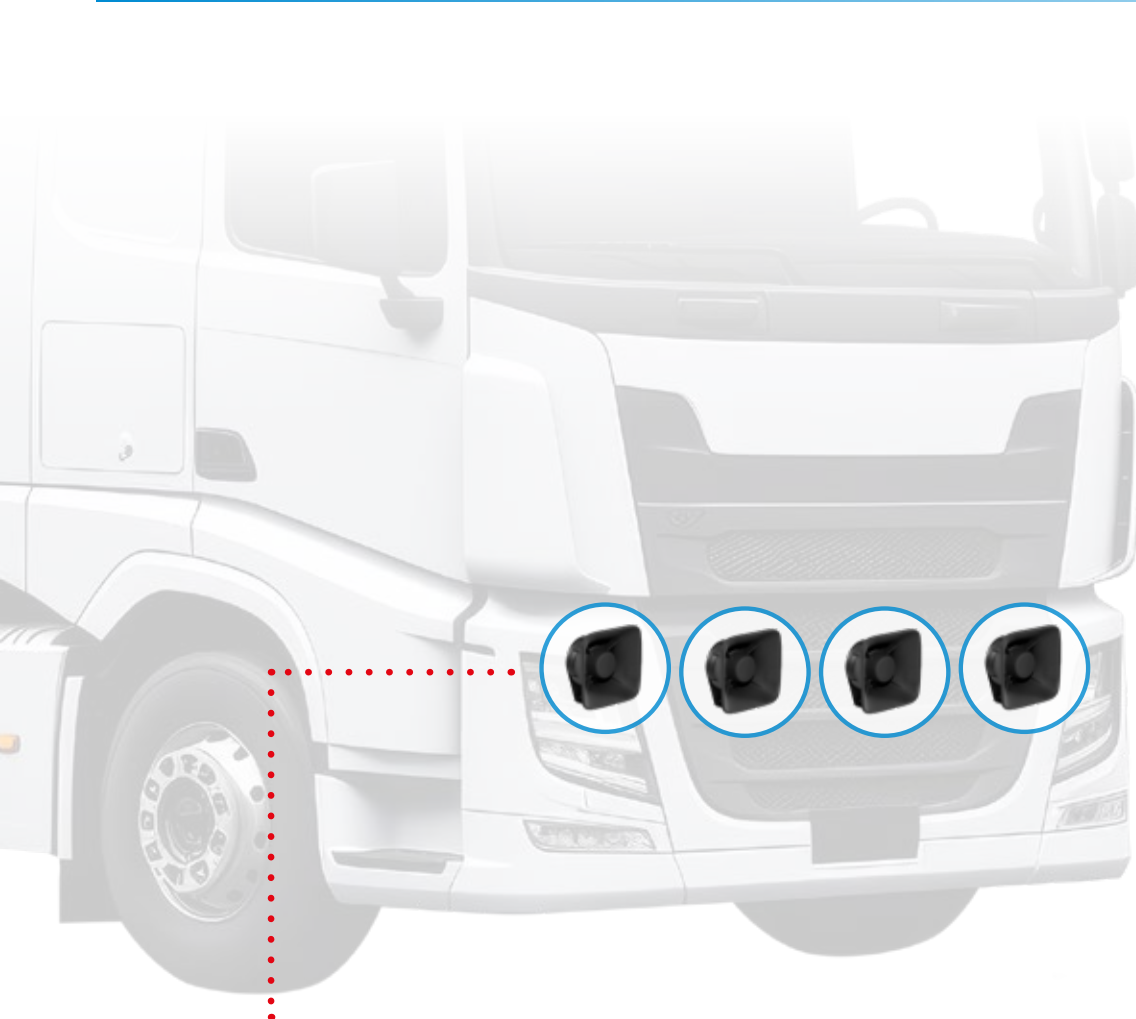
Audio example of the air horn signal*

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

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TFA acoustic solutions



TFA* 744

Our recommendation in trucks: TFA 744 "Per4mance" (CiA447) with four pressure chamber loudspeakers 604/804.

* TFA = Tone sequence system



TFA* 6/724

Our recommendation in cars: TFA 724 (CiA447) with two pressure chamber loudspeakers 604/804 or alternatively the analogue variant TFA 624 with two pressure chamber loudspeakers.



TFA* 724 AND TFA* 744

Our recommendation in vans: TFA 724 (CiA447) with two pressure chamber loudspeakers 604/804 or alternatively as TFA 744 "Per4mance" with four pressure chamber loudspeakers.

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CarTalker 2.0

ONE SYSTEM, THREE TERMINALS - FULL CONTROL IN THE VEHICLE

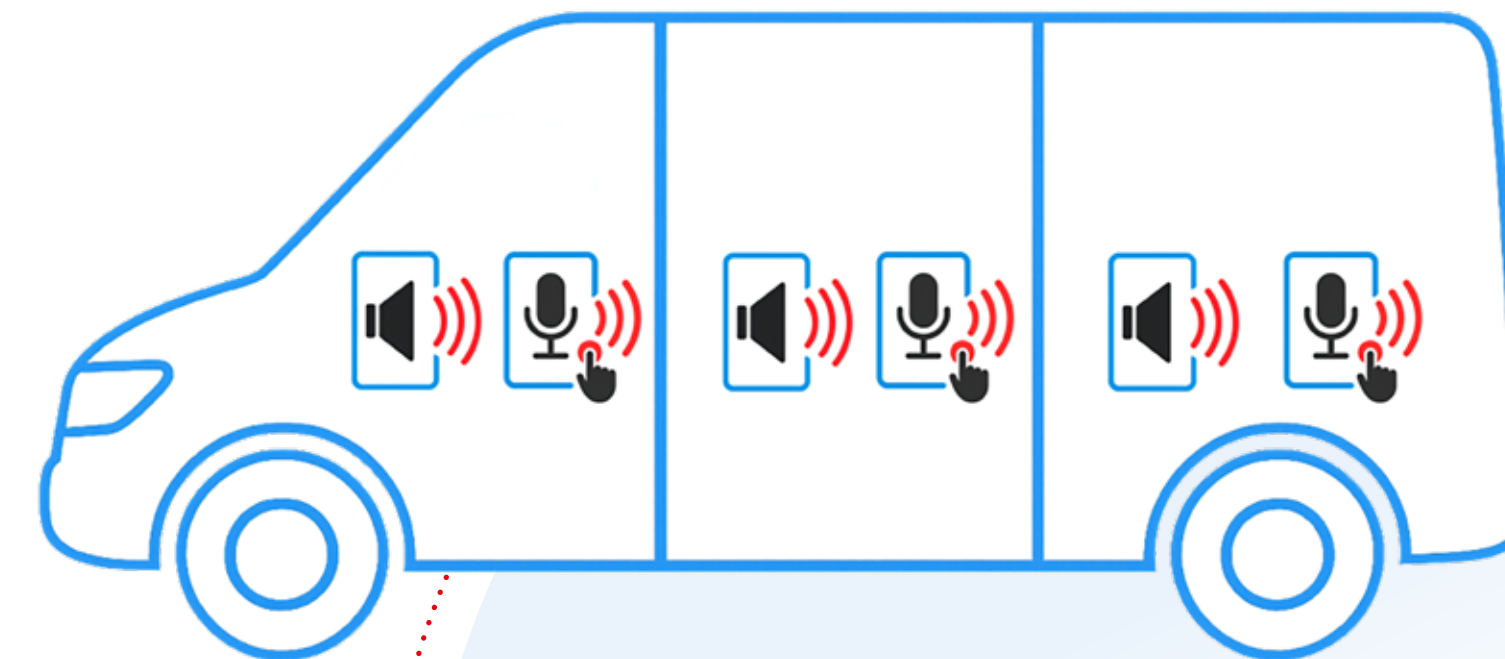
The CarTalker 2.0 is an intercom system with two or even three terminals that can be installed in any vehicle. The system has a wide range of applications, such as in rescue vehicles, special vehicles and crew transport vehicles.

With an optimized speech quality, simple system operation and sleek system design, the CarTalker guarantees convenience and maximum safety. A micro USB interface on the control unit also allows system parameterisation.

HOMOLOGATION: (GERMANY AND INTERNATIONAL)

EMC according to ECE-R10

(E)10R-06 9930



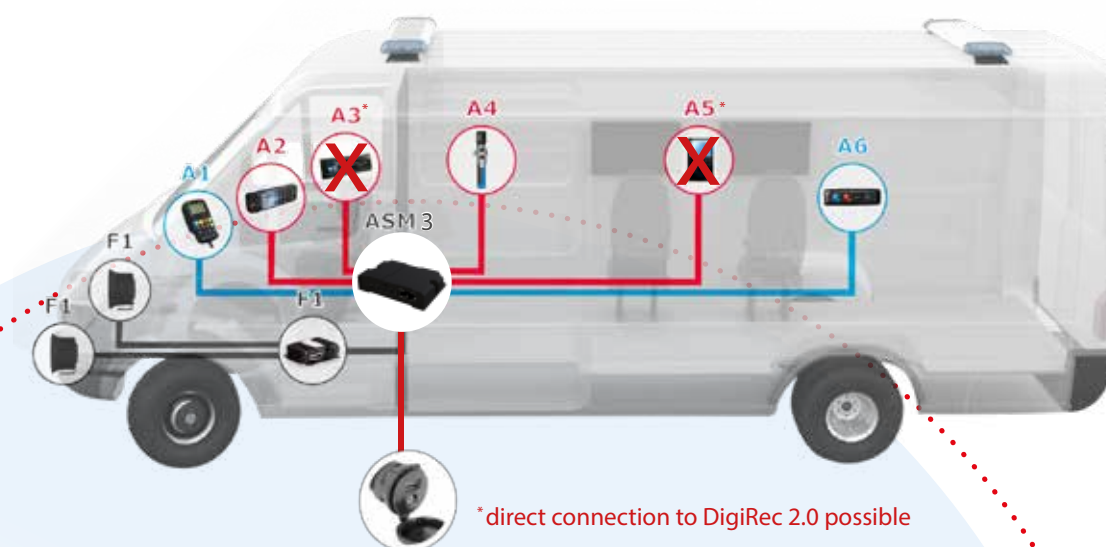
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DigiREC 2.0

Emergency forces and service providers often have to warn the population – e.g. in the case of catastrophes. This usually takes place by means of a voice announcement over loudspeakers. For additional audio sources, DigiREC 2.0 serves as a flexible interface with high-quality signal processing for devices such as PC, mobile phone or radio.

DIGIREC 2.0

- 2 microphone interfaces for direct voice announcements
- Live connection of up to 4 audio sources
- Recording and playback of up to 4 voice announcements
- Playback of pre-saved audio files from internal memory
- Quiet playback of saved files for preselection in the interior
- Playback of audio files from external USB storage device



PRODUCT FEATURES

- Interfaces for many different audio sources:
 - 2 x microphone
 - 4 x AF
 - external USB interface (MP3)
 - internal memory for MP3 files
 - in preparation: audio coupling with mobile terminal devices and SPDIF interface
- Ergonomic and intuitive operation via
 - HBE 300 – button or menu guidance (combination also possible)
 - integration in FireCAN systems (in preparation)
- Digital signal processing: audio quality is matched to the special signalling system
- Low power consumption

MOWACOM fixed mounting

Now also available as a fixed mounting variant: The MOWACOM mobile warning and communication system was initially developed as a suitcase solution, in order to be able to equip any vehicle quickly and professionally, especially in the case of larger operational situations, for the acoustic reproduction of information and warning messages, among other things. In addition to the MOWACOM 2 and SE variants, it is now also available as a fixed mounting variant of the system.

We supply a suitable support plate for the permanent installation of the roof unit.



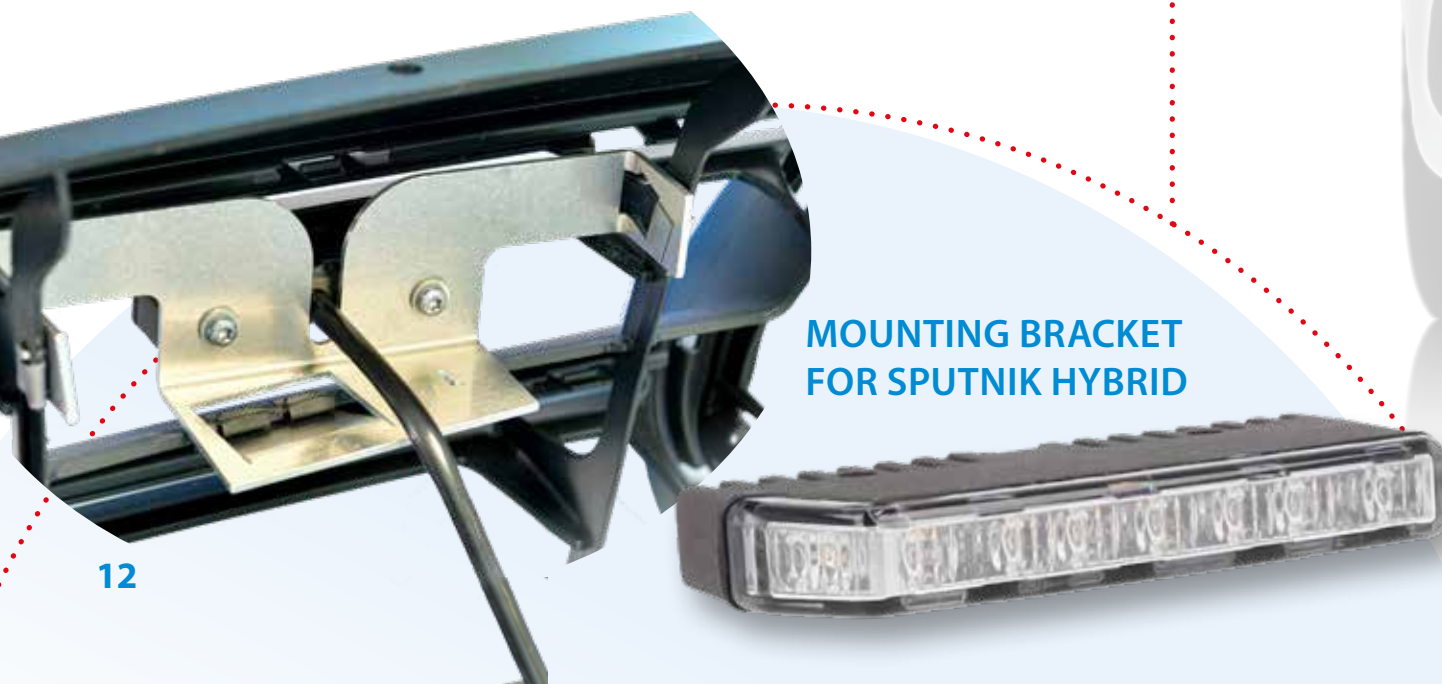
MB Vito W447 - mounting brackets for Sputnik Hybrid

For the Mercedes-Benz Vito (W447, MoPf 2024), we have developed various accessories especially for the installation of directional beacons and HT solutions.

Therefore, we now supply precisely fitting, directional clamping brackets for installing the Sputnik SL und Sputnik Hybrid LED warning systems in the radiator grille. No machining of the original grille is necessary for the installation: The lamp bodies are screwed to the mounting brackets. The mounting brackets themselves are fastened by clamps to the radiator grille, which enables non-destructive restoration of the original condition later on.

BENEFITS

- No machining of the original radiator grille
- Mounting brackets are fastened by means of clamps



MOUNTING BRACKET
FOR SPUTNIK HYBRID

MB Vito W447 – mounting brackets for Sputnik SL



MOUNTING BRACKET
FOR SPUTNIK SL

Sputnik Flat HT vertical

VERTICAL HT-SOLUTION

The angle wedges in the variants 15 and 20 degrees, which were specially developed for the Sputnik Flat LED warning system, enable precise adjustment of the beam angle of the lamp bodies on the vehicle for the implementation of a vertical HT-solution.



AMBIENT LIGHTING

In conjunction with the Sputnik Flat "ambient lighting", the 30-degree angle wedge in the horizontal orientation enables an homogeneous and wide-area illumination of the operational surroundings. The 15 and 20 degree angles can also be used on the vehicle for individual illumination of the surroundings.

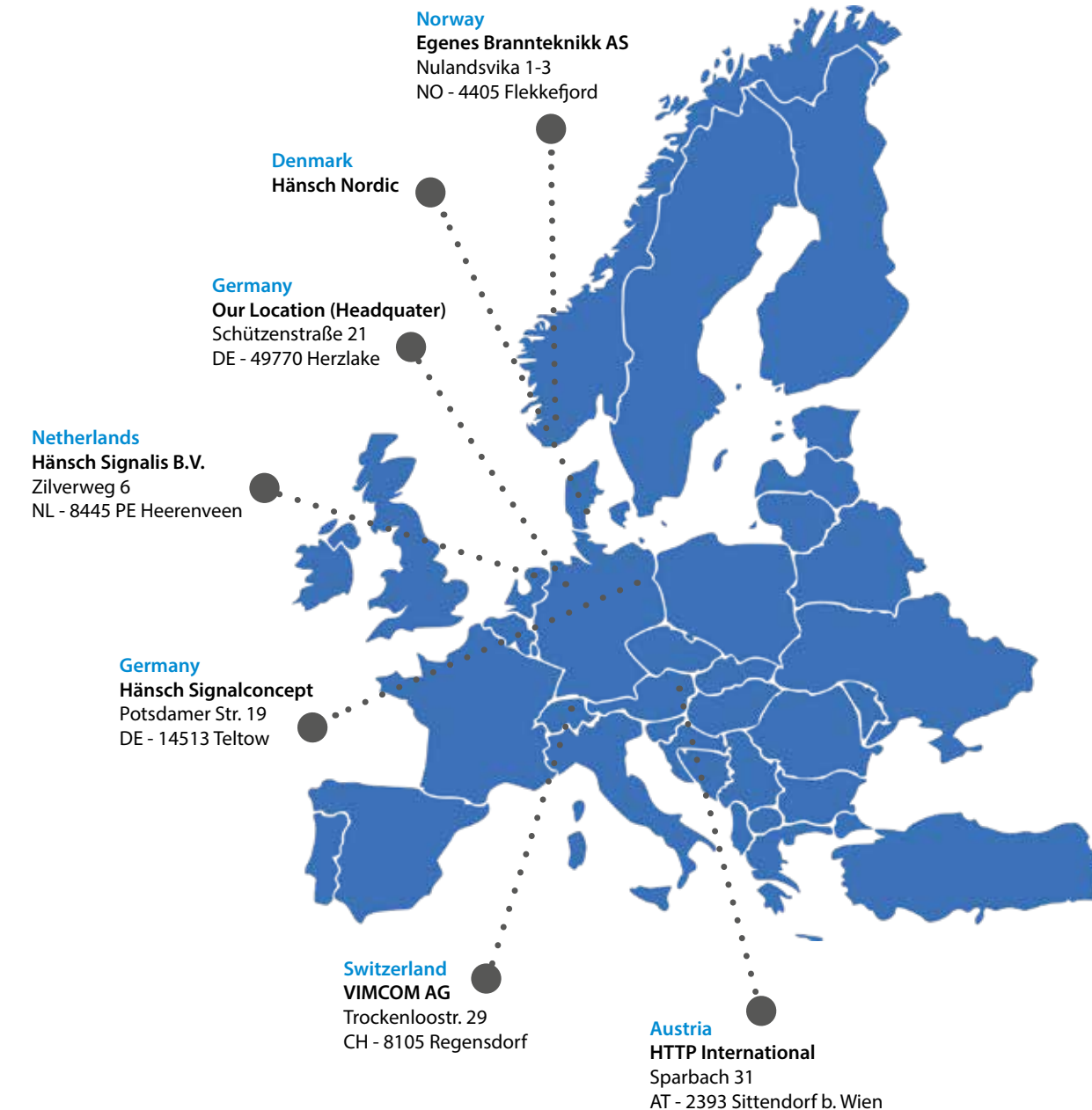
With a colour that matches the housing of the Sputnik Flat, the angle wedges in combination with the lamp body make for a harmonious and classy looking installation situation on the vehicle and contribute to an individual system solution.

Sputnik Flat/Hybrid front flasher variants

	SPUTNIK HYBRID		SPUTNIK FLAT	
	Horizontal	Vertical	Horizontal	Vertical
Analogue control				
● ECE-R65	✓	✓	✓	✓
● ● ECE-R65	✓	✓	✓	✓
● ECE-R65	✓	✓	✓	✓
● ● ECE-R65	✓	—	✓	✓
● ECE-R65	✓	✓	✓	✓
● Ambient lighting	✓	—	✓	✓
● Wide beam angle (motorcycle front flasher)	✓	—	—	—
● WigWag (white flashing light, intermittent main beam)	✓	—	✓	—
● ● Direction indicator, brake/tail light - ECE-R148	—	—	✓	✓
Control via CiA447				
●	✓	✓	✓	✓
● ●	✓	✓	✓	✓



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Hänsch®

Overview of our measures

We reduce our CO₂ footprint through the use of efficient technology and renewable energies such as photovoltaics and heat pumps. Our buildings are energy-optimised and enable a largely self-sufficient supply of electricity and heat.

In addition, we rely on sophisticated waste processes: low-emission exhaust air systems, strict separation and the direct supply of recyclable materials – for example by means of paper and film presses – ensure an efficient circular economy.

OUR CONTRIBUTION TO THE SUSTAINABILITY TRIANGLE

ECOLOGICAL SUSTAINABILITY

- Climate protection through CO₂ reduction
- Biodiversity through green outdoor facilities with habitat for insects
- Water protection and soil care through sophisticated environmental management plans

SOCIAL SUSTAINABILITY

- Safe, healthy workplace for all employees
- Promotion of the compatibility of family and career
- Responsible dealings with suppliers and partners

ECONOMIC SUSTAINABILITY

- Long-term investments in energy-efficient technologies
- Regional value creation and fair business relationships
- Future competitiveness through sustainable economic management

**SIGNAL
FOR
SUSTAINABILITY**

WITH RESPONSIBILITY FOR A COMMON FUTURE

At HÄNSCH, we regard sustainability as a holistic approach that goes far beyond environmental protection. With sophisticated processes and innovative technology, we work every day to reduce our ecological footprint and make a sustainable contribution for future generations.





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INNOVATIONS, 1st HALF 2025
Subject to change
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