



## Digital ADAS 2.0

Reliable calibration of  
driving assistance systems



**BrainBee®**  
WORKSHOP SOLUTIONS

# Artificial intelligence at the service of ADAS calibration

*Thanks to the powerful Keystone system (patent pending), the recognition of the vehicle through license plate reading, and the fully automatic acquisition of the measurements, in a few minutes you will have completed your calibration.*

## Revolutionary technology for quick and easy calibration

### CONNEX Digital ADAS

It is the basic line version, for camera and radar calibration.

- Keystone Technology
- Wi-Fi connection
- Targetless
- Digital Reading Laser Meters
- Automated vertical alignment of the monitor (electrical control)
- Dual clamping system
- Extended Bar

**Available:**  
**ADJUSTMENT KIT 2.0**

### CONNEX Digital ADAS 2.0

The ultimate technology: fully automatic camera and radar calibration.

- Keystone Technology
- Wi-Fi connection
- Targetless
- License plate visual recognition function
- Automatic data transmission laser meters (from software)
- Fully automatic vertical alignment of the monitor
- Dual clamping system
- Extended Bar

CONNEX/Smart and license not included. License plate recognition system available only in some countries. Clamp Kits system to choose from: Rim Self-Centering Clamp Kit (12"/21") - Clamp on Rim; Tyre Self-Centering Clamp Kit (13"/21") / Tyre Self-Centering Clamp Kit (13"/24") - Clamp on Wheel.

## Why choose CONNEX Digital ADAS:

- Targetless technology - this is the patented MAHLE technology, Targetless, which is the real core of the system. Thanks to the versatility of its digital panel, it allows you to adapt the screen to any reference protocol of the car manufacturers, present and future.
- Easy to use - so simple to use, that you don't waste any time learning or using it: the system guides you step by step in performing the calibration.
- Fully automatic - automatic, by means of electrical control, adjustment of the structure, as well as automatic and virtual becomes any shift of the target with respect to the vehicle positioned. The car never moves!
- System- extreme precision is guaranteed by the self-adaptive system, which allows the software to assess the physical environmental conditions and adapt the image of the digital target accordingly.
- Universal Coverage - ensuring maximum market coverage is a serious issue for us. The database that powers the operation of CONNEX Digital ADAS follows the continuous development of the CONNEX self-diagnosis.



# CONNEX Digital ADAS 2.0



### Fully automatic, for calibration in the blink of an eye.

It seemed impossible, but the Digital ADAS 2.0 evolution further reduces calibration times! Thanks to the special laser meters directly connected to the diagnosis, CONNEX Digital ADAS 2.0 is able to directly acquire all the parameters related to the alignment of the car, which are transmitted to CONNEX allowing you to immediately enter calibration.

### Keystone system.

It remains the heartbeats of Digital ADAS technology made by MAHLE. Keystone is the technology that allows you to perfectly align the calibration target to the car, without having to move the car by an inch.

Thanks to the special software, it allows you to pinpoint the camera or radar viewing angle with extreme precision. The procedure and the target that is then proposed will be correctly positioned and adapted in order to carry out the calibration in the optimal way and with certainty of result.

The vertical positioning of the monitor is also managed automatically from the display of the diagnostic interface, through a simple command that allows you to reach the correct position, as per the manufacturer's specifications.

### SKIP Digital ADAS.

Thanks to the plate recognition function (\*), and with the help of the special camera, the instrument is able to immediately recognize the systems to be calibrated. No indecision or waste of time: just one click!

(\*) Optional function, present in the markets where SKIP CONNEX is active.

### 3D tutorial to proceed knowing it is an assured win.

Each car manufacturer has its own specific calibration procedures, which the operator must perform to complete the adjustment. With Digital ADAS 2.0 it is impossible to have uncertainties! From the diagnostic tool you can recall clear 3D video tutorials, which are proposed directly on the display of the Digital ADAS 2.0, and which show all the phases of the procedures.

### Wireless Transmission Laser Meters

The new laser meters, which slide on the bar with magnetic strip, allow you to acquire the vehicle alignment parameters on CONNEX in a completely automatic way. No errors or wasted time: go straight to calibration!



Targetless technology

Keystone (patent pending): Adaptive system for automatic vehicle positioning compensation

Motorized and fully automated target height adjustment

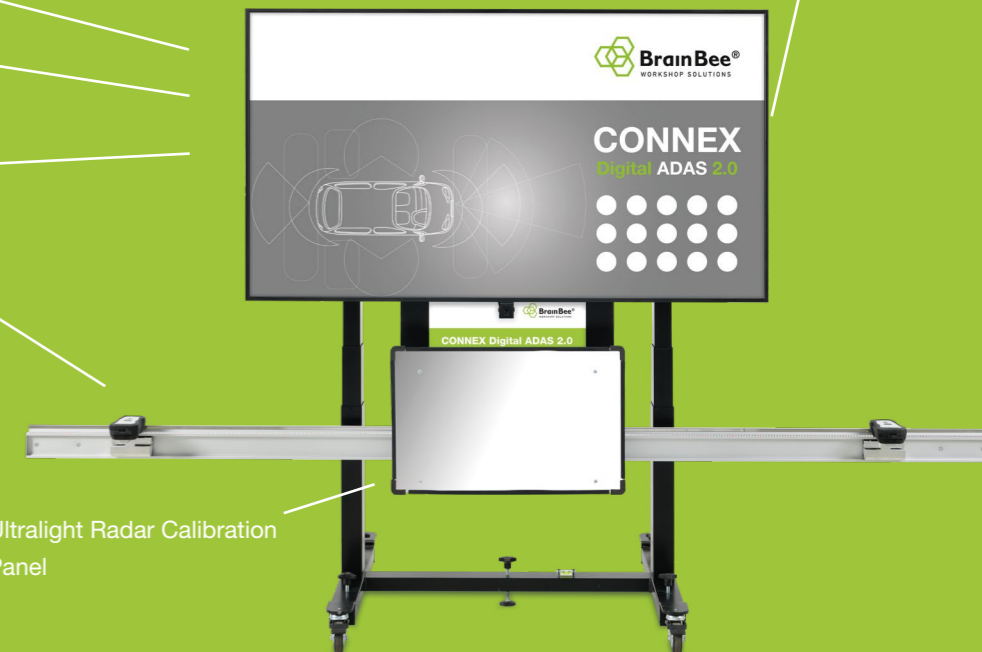
Measurement with high-precision laser ranges

Integrated communication with NEXUS 3.0 BUS system via WiFi

### Features:

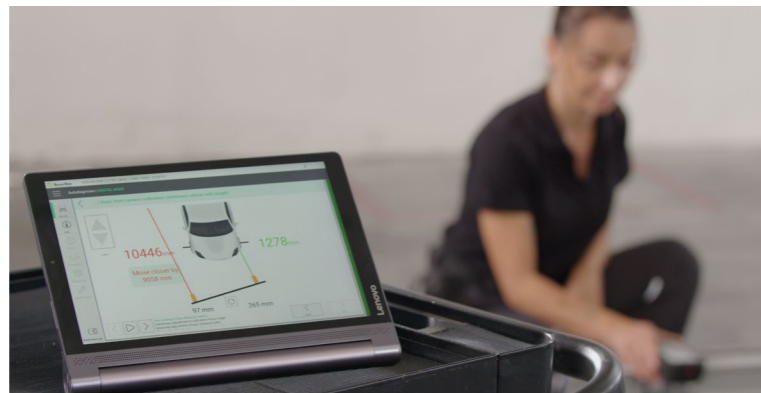
- Sizes: 3000 x 1500 x 1800 mm
- Weight: 75 Kg
- 65" full HD monitor
- Integrated Control PC, Windows 10

Ultralight Radar Calibration Panel



Watch Digital ADAS 2.0 in action:

[https://mahlemktg.info/D\\_ADAS2\\_BB\\_EN](https://mahlemktg.info/D_ADAS2_BB_EN)



# Accessories

Accessories - Calibration		
Code	Item	Description
1010601666XX	DIGITAL ADAS EASY PLACING KIT	Accessory positioning kit <ul style="list-style-type: none"> <li>■ Code 1010601608xx</li> <li>■ Code 1010601609xx</li> <li>■ Code 1010601610xx</li> <li>■ Code 1010601612xx</li> <li>■ Code 1010601614xx</li> <li>■ Code 1010601662xx</li> <li>■ Code 1010601663xx</li> <li>■ Code 1010601733xx</li> </ul>
1010601608XX	FRONTAL RADAR + BLIND SPOT CONE (TOYOTA - SUBARU - HONDA - KIA - HYUNDAI-MAZDA)	Reflector panel for front radar and blind spot (TOYOTA/SUBARU/HONDA/KIA/HYUNDAI/MAZDA) (*)
1010601609XX	NIGHT VISION (MERCEDES)	Reflector panel for night vision camera (MERCEDES) (*)
1010601610XX	KIT CARPET (2) CAMERA 360° (VAG)	360° camera calibration mats (VAG)(*)
1010601612XX	PANEL FOR REAR AND 360° CAMERA (VAG)	Panel for rear and 360° camera (VAG)(*)
1010601614XX	PANEL FOR REAR CAMERA (MERCEDES) KIT 2	Rear camera panel (MERCEDES - kit 2) (*)
1010601662XX	KIT MAT (2) CAMERA 360° (Mitsubishi)	Mat kit (2) camera 360° (MITSUBISHI) (*)
1010601663XX	KIT MAT (4) CAMERA 360° (NISSAN)	Mat kit (4) camera 360° (NISSAN) (*)
1010601667XX	LIDAR CALIBRATION PANEL	LIDAR calibration panel (VAG)

(\*) to be combined with Digital ADAS EASY PLACING KIT 1010601666XX

Accessories - Calibration		
Code	Item	Description
1010601733XX	BLIND SPOT ADAS (DOPPLER SIMULATOR VAG-MAZDA-PORSCHE)	Doppler simulator for blind spot – includes metric rule for positioning (VAG-MAZDA-PORSCHE) (*)
1010601734XX	NIGHT VISION ADAS CALIBRATION SYSTEM (VAG)	Reflector panel for night vision camera (VAG)
Accessories - Dime		
Code	Item	Description
1010601615XX	KIT FRONT RADAR MERCEDES >2011	MERCEDES front radar kit > 2011
1010601616XX	KIT FRONT CAMERA/ RADAR (VOLVO)	VOLVO front radar kit
1010601708XX	UNIVERSAL RADAR KIT JEEP	Calibration accessory (front and rear) JEEP radar
Accessories - Clamps		
Code	Item	Description
1010601656XX	RIM SELF-CENTERING CLAMP KIT 12"- 21"	Clamp on rim kit 12"- 21"
1010601697XX	TYRE SELF-CENTERING CLAMP KIT 13"- 24"	Self-centering clamps kit 13" - 24" Compatibility: up to 24" (standard tyre)

# DIAGNOSTIC

---

## SOLUTIONS LIMITED

Unit B4 South City  
Business Centre Whitestown Way  
Tallaght, Dublin 24  
Phone: +353-1-413 1330 Fax: +353-1-413 1331 Email:  
info@diagnosticsolutions.ie  
Web: www.diagnosticsolutions.ie