



MAHLE

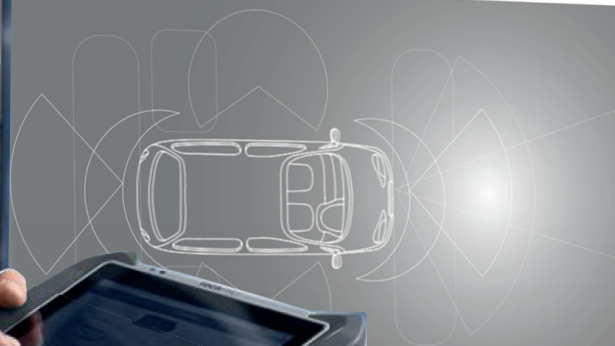
Advanced Driver Assist Systems

Revolutionary Technology
for a simple calibration



MAHLE

TTECHNIQUE
DIGITAL ADAS



YOUR EQUIPMENT
OUR PASSION

TTECHNIQUE

Why you should choose TechPRO Digital ADAS

Targetless Technology

It is MAHLE patented targetless technology, the core element of the system. The versatility of the digital panel allows adapting the screen to any existing or future car makers reference protocol.

Easy to Use

It is so simple to use that you won't waste any time trying to learn or just using it: the system will guide you through all the steps of the calibration procedure.

Fully Automatic

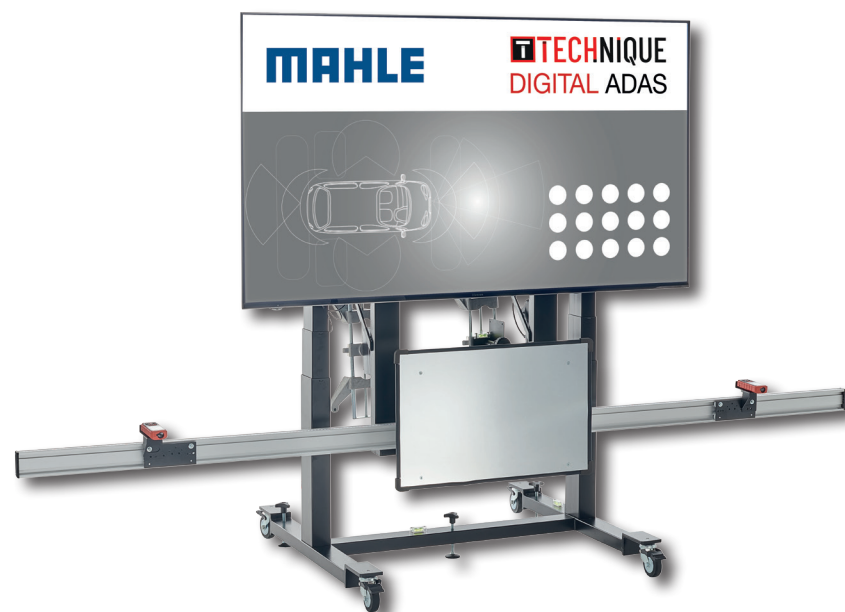
The calibration frame is adjusted automatically, through the electric control, and any movement of the target, in relation to the car, is automatic and virtual. The car never moves!

Keystone System

Extreme accuracy is guaranteed by the self-adaptive system, which allows the software to evaluate the environmental and physical conditions (floor, distance from vehicle) and adapt the digital target image accordingly.

Universal Coverage

Ensuring the largest market coverage is very important to us. The database that is behind the operation of TechPRO® Digital ADAS follows the constant development of TechPRO® self-diagnosis.



Intuitive, future-proof operation: our solution—TechPRO® Digital ADAS

New, innovative, technical, and process-based solution



One digital calibration panel, no individual panels and no manual swap-outs required



Minimizes process times as much as possible



Excellent, fast, dynamic results

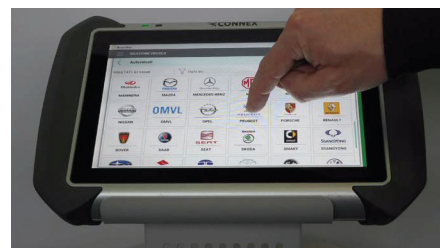


Always **up-to-date** with online updates



Calibration can be completed in just 6 steps

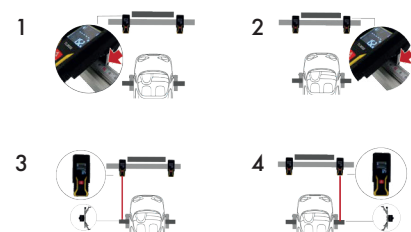
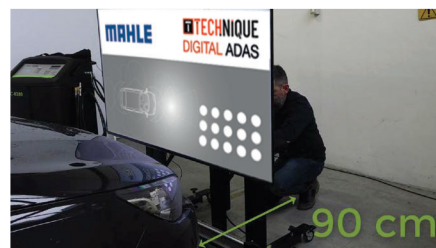
1. In TechPro select maker - model. Then select 'digital adas'. The online help pops up, with instructions on how the car should be positioned.



2. Place the wheel clamps on the front wheels, as indicated in the online help instructions.



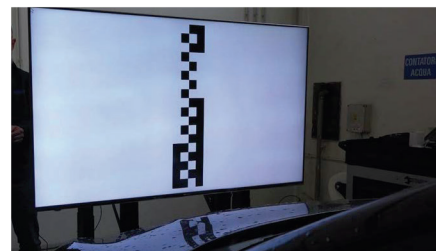
3. Place the digital target close to the car. The special support frame makes handling extremely easy.



4. Enter the required values, using the two laser distance meters. These are the parameters required to execute the keystone function.



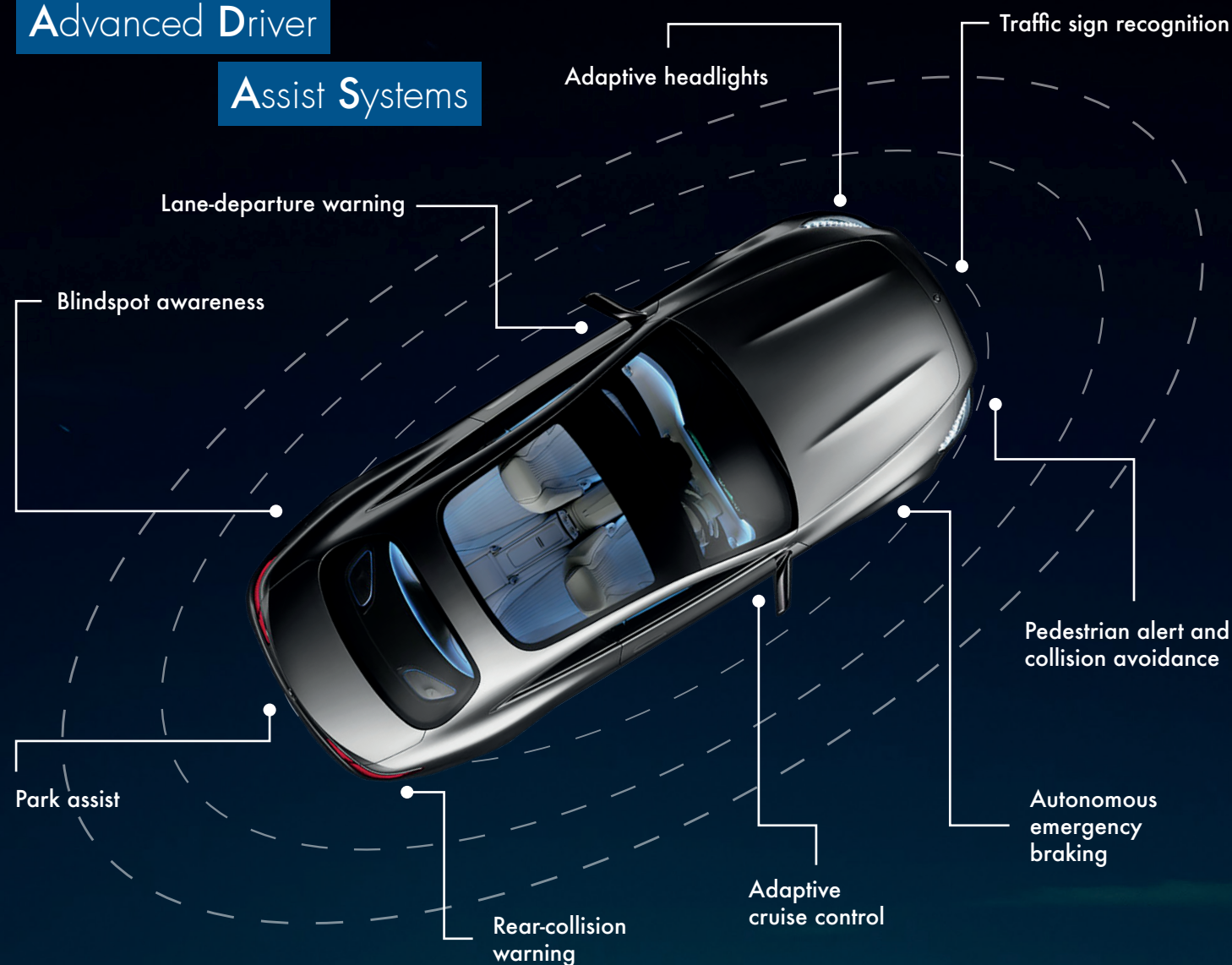
5. Adjust the height as indicated in the online help instructions. It's very simple and easy via the remote control and the motorized sliding carriage.



6. The calibration starts. The monitor will show the target adapting it to the car position, and therefore ensuring the most accurate result.

Advanced Driver

Assist Systems



TechPRO® Diagnostic tool

TechPRO® is easy to use and precisely tailored for use in workshops. The unit reads out data and errors, displays solutions, allows component diagnostics, and offers component coding.

- Ready to start vehicle diagnostics within just seven seconds
- Easy to operate
- Integrated technical information (wiring diagram, fault list, status screen)
- Functions: reads data – reads errors and displays solutions; single-part diagnostics and component coding
- Touch screen and Wi-Fi
- Based on TecDoc
- Compatible with almost 90% of all vehicles in EU9 countries



Optional Extras	Make and Model
Frontal Radar and Blind Spot Cone	Toyota / Hyundai / Kia / Mazda
Night Vision	Mercedes
Kit Carpet 2 360 Degrees	VAG
Panel for Rear and 360 Camera	VAG
Panel for Rear Camera	Mercedes
Digital ADAS Easy Placing Kit	
Kit Front Radar	Mercedes > 2011
Kit Front Radar	Volvo
Kit Front Radar	Jeep > 2015
360 Camera Mats (2)	Mitsubishi
360 Camera mats (4)	Nissan
Lidar Target static laser scanner	



We can arrange training...

The training course is designed to ensure that the technician has the ability to calibrate Advanced Driver Assistance Systems (ADAS). This training meets the requirements of the Insurance Industry that specify that all ADAS calibration and repair activities are completed by currently competent technicians.

Successful completion of this course will result in the award of the IMIs Certificate of Competence which is requested by insurance companies (for repair) and work providers to prove a technician's competence to calibrate.

During the course you will cover

- Overview of ADAS.
- Safe working practices and Health & Safety guidelines.
- Technical information sources.
- Types of diagnostic equipment available and required.
- Relevant tools and equipment used when carrying out ADAS component calibration.
- The calibration environment set by the manufacturer including instructions target types, ambient light levels, pre-conditions.
- Types of ADAS sensors and their function i.e. Optical, Radar, Lidar and Ultrasonic.
- Features of ADAS system operation such as steering, braking, lane departure, adaptive cruise, blind spot assistant.
- Workplace procedures for completing and storing documentation relating to ADAS calibration.
- ADAS code of practice.
- Static, dynamic, and hybrid system calibration
- Wheel alignment principles.
- System faults, data stream and warning light





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