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Магнитогорск (3519)55-03-13  
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Псков (8112)59-10-37  
Пермь (342)205-81-47

Беларусь +(375)257-127-884

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Рязань (4912)46-61-64  
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Сыктывкар (8212)25-95-17  
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Тверь (4822)63-31-35

Узбекистан +998(71)205-18-59

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Чита (3022)38-34-83  
Якутск (4112)23-90-97  
Ярославль (4852)69-52-93

Киргизия +996(312)96-26-47

<https://mahle.nt-rt.ru> || [men@nt-rt.ru](mailto:men@nt-rt.ru)

## Цифровые системы калибровки ADAS TechPRO



# Artificial Intelligence at the Service of ADAS Calibration

Thanks to the TechPRO® Digital ADAS line, every workshop can easily perform ADAS systems maintenance. Thanks to the powerful Keystone® system, to the vehicle recognition through license plate reading, and to the fully automatic measurement, you will complete your calibration in just a few minutes.

Revolutionary technology for quick and easy calibration

## TechPRO® Digital ADAS (\*)(\*\*)

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

- Keystone® technology
- WiFi connection
- Targetless
- Digital laser distance meters
- Automated vertical monitor alignment (electric control)
- Double clamp system
- Extended bar

## TechPRO® Digital ADAS 2.0 (\*)(\*\*)(\*\*\*)

Fully automatic camera and radar calibration.

- Keystone® technology
- WiFi connection
- Targetless
- Visual license plate recognition function
- Automatic data transfer laser distance meters (by software)
- Fully automatic vertical monitor alignment
- Double clamp system
- Extended bar

## 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.

# TechPRO® Digital ADAS 2.0

## Artificial Intelligence at the Service of ADAS Calibration.

The identification of model and control unit of ADAS systems mounted on vehicles has never been so quick!

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

(\*) Optional function, available in the markets where SKIP TechPRO® is active.

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

It seemed impossible before, but the Digital ADAS 2.0 evolution cuts calibration time even further!

Thanks to special laser meters directly connected to the diagnostic tool, TechPRO® Digital ADAS 2.0 can directly acquire all the parameters related to the vehicle alignment, which are transmitted to TechPRO®, allowing you to execute the calibration immediately.

Even the vertical positioning of the monitor is automatically handled from the diagnostic interface display, through a simple command which allows to reach the correct position, according to manufacturer specifications.

## 3D tutorials to get it right

Each car manufacturer has its own specific calibration procedures that the operator must perform to complete the adjustment.

With Digital ADAS 2.0, you won't have any uncertainty! From the diagnostic tool, you can play clear 3D video tutorials, which are directly shown on the Digital ADAS 2.0 display, showing all procedure steps.

## Keystone® System

It is still the beating heart of Digital ADAS technology made by MAHLE.

Keystone® is the technology that allows the calibration target to be perfectly aligned with the car, without having to move the car an inch.

Thanks to a special software, the angle of view of the camera or radar can be determined with extreme precision. The procedure and the proposed target will be correctly positioned and adapted in order to conduct the calibration in the optimal way and with full certainty of result.



Just a few gestures to complete ADAS calibration in a couple of minutes. Put it to the test!





**MAHLE**

**TechPRO**  
Digital ADAS 2.0

## MAHLE Digital ADAS

Model	Front camera	Front Radar/ Lidar	Night Vision	Rear camera	Blind Spot	360° camera
Alfa Romeo	+	+				
Audi	+	+		1010601612XX		1010601610XX (*) 1010601612XX (*)
BMW	+	+				
Citroen	+	+				
Fiat	+	+				
Ford	+	+				
Honda	+	1010601608XX (*)			1010601608XX (*)	
Hyundai	+	1010601608XX (*)			1010601608XX (*)	
Jeep	+	1010601708XX (*)				
Kia	+	1010601608XX (*)			1010601608XX (*)	
Mazda	+	1010601608XX (*)			1010601608XX (*)	
Mercedes Benz	+	1010601615XX (*)	1010601609XX (*)	1010601614XX (*)		
MINI	+	+				
Mitsubishi						1010601662XX (*)
Nissan	+	+				1010601663XX (*)
Opel	+	+				
Peugeot	+	+				
Renault	+	+				
SEAT	+	+		1010601612XX (*)		1010601610XX (*)
Skoda	+	+		1010601612XX (*)		1010601610XX (*)
Smart	+	+				
Subaru	+	1010601608XX (*)			1010601608XX (*)	
Toyota	+	1010601608XX (*)			1010601608XX (*)	
Volkswagen	+	+		1010601612XX (*)		1010601610XX (*)
Volvo	+	1010601616XX (*)				

+ Function present (\*) Kit required

Key Features	Technical data
Patented Targetless technology	Dimensions: 3000 x 1500 x 1800 mm
Integrated communication with NEXUS 3.0 BUS system via WiFi	Weights: 75 kg
Motorized target height adjustment	65" full HD monitor
Adaptive system for automatic ompensation of vehicle positioning	Integrated control PC, Windows 10
Measurement via high precision laser distance meters	
Ultralight radar calibration panel	



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**Казахстан** +7(727)345-47-04

**Беларусь** +(375)257-127-884

**Узбекистан** +998(71)205-18-59

**Киргизия** +996(312)96-26-47

<https://mahle.nt-rt.ru> || [men@nt-rt.ru](mailto:men@nt-rt.ru)