

## *Autologic Technical Specifications*



# MERCEDES BENZ

## 1. MERCEDES-BENZ PRODUCT DESCRIPTION

The *Autologic* diagnostic tool for Mercedes-Benz vehicles is without doubt the most comprehensive tool to be made available to independent Mercedes Benz specialists. The *Autologic* diagnostic tool for Mercedes-Benz provides access to full dealer-level capabilities that at present covers: W124, W129, W140, W163, W164, W168, W169, W170, W171, W202, W203, W204, W208, W209, W210, W211, W215, W216, W219, W220, W221, W230, W245, W251, W463, W638, W639, and Sprinter light commercial vehicles, with additional upgrade modules to be made available in the near future for 212 and 207.

*Autologic* for Mercedes-Benz is unique in offering full fault code read and re-set, dynamic data, activation of components, clearing and setting of adaptation values, coding and programming of control modules (including SCN), for example;

Programming of new control modules (including Airbag SRS systems) including SCN coding, system controls such as adaptation reset and variant coding, initial startup of new instrument clusters (including odometer advancement), real-time reading of all dynamic data, ASSYST and ASSYST+ Active Service Systems, procedure for the fitting of Mercedes-Benz accessories and D2B/MOST ring components and TV/DVD activation and region coding. ECU programming (ECU Programming available on

- CGW 211
- 7G Gearbox
- CDI4
- CDI3
- ME97
- FCVT

(other modules available on request)

### *Systems accessed by the tool include:*

<p>All Engines: LH1/LH2, V6, PMS, ME1.0, ME2.0, ME2.1, ME2.7, ME2.8, ME9.7, MED9.7, ECM 1 &amp; 2, ME-SFI (SIM4), EVE, ERE, HFM, CDIs 1-6, CdiD, and CDID2.</p> <p>All Transmissions and selector modules, EAG, EGS, ETC, 7GTronic, ISM, DSM, and EWM"</p> <p>ENR, ADS, AIRmatic and Active Body Control Suspension Systems</p> <p>All Traction Systems: ESP/ASR/ETS/ABS/BAS/ABR &amp; SBC systems</p>	<p>D2B and most command modules incorporating all subsidiary modules</p> <p>Vito / Sprinter immobiliser (WSP) including key coding</p> <p>Drive Authorisation System alignment of new control modules.</p> <p>SAM (Signal Acquisition) Modules</p> <p>Air Conditioning Systems</p>
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<p>Sensotronic brake control (SBC – 211, 219 &amp; 230)</p> <p>RDK,TPM,and TPC Tyre Pressure Control</p> <p>All EIS systems</p> <p>All SRS and airbag systems</p> <p>All body network modules e.g. OCP/UCP/LCP/SCM etc.</p> <p>Roll-over bar and soft top</p> <p>Central gateway and system diagnosis modules including ECU programming</p> <p>ASSYST, ASSYST PLUS including ECU programming</p> <p>DAS2 (Pre-97) modules for 140, 202, 210 e.g SKF (CCM) and KFB (CF) body controls, IFZ PSE, drive authorisation systems</p> <p>Xenon Headlamps (XALWA)</p>	<p>Instrument Cluster</p> <p>Parktronic System</p> <p>Keyless Go</p> <p>TV Tuner activation</p> <p>Headlamp Range Adjustment</p> <p>Seat Electronics</p> <p>Door Control Modules</p> <p>RVC, RST &amp; Vario Roof modules</p> <p>ACS / FTC / GRM (168 chassis)</p> <p>AAM / EAM / DAS / SEM / VG Transfer Case (163 chassis)</p> <p>SCN coding for all applicable modules</p> <p>ECU programming (Programming available on</p> <ul style="list-style-type: none"> <li>• CGW 211,</li> <li>• 7G Gearbox,</li> <li>• CDI4 ,</li> <li>• CDI3 ,</li> <li>• ME97,</li> <li>• FCVT</li> </ul> <p>other modules available on request)"</p>
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**Mercedes Leads & Connectors:**

- OBD11 connector and 1m cable
- Mercedes 38 pin connector and multiplexor
- 3m extension cable
- USB cable for Internet upgrades

System packaged in a lightweight, rugged flight case

## 2. DIAGNOSTIC CAPABILITIES

The following tables give a broad idea of the level of coverage. This by no means represents the full coverage and functionality is constantly being added to the system.

### TRANSMISSION :

Read and clear fault codes, ECU version information, dynamic data, component activation, reset adaptation values and ATF condition monitor. 168 chassis transmissions including AKS system: bleed system, teach in gear positions and program byte point determination

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
EAG	Y	Y	Y	Y	N/A
EGS	Y	Y	Y	Y	Y
ETC	Y	Y	Y	Y	Y
SEQ (Manual)	Y	Y	Y	Y	Y
FTC	Y	Y	Y	Y	Y
EGS52	Y	Y	Y	Y	Y
EGS53	Y	Y	Y	Y	Y
7GTronic	Y	Y	Y	Y	Y
AKS	Y	Y	Y	Y	Y
VG	Y	Y	Y	N/A	N/A

### ELECTRONIC SELECTOR MODULE :

Read and clear fault codes, ECU version information, dynamic data, component activation and interlocking to DAS system.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
ESM	Y	Y	Y	Y	Y

### TRACTION SYSTEMS :

ECU version information, read and clear fault codes, dynamic data, component activation and control unit

adaptations.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
ESP	Y	Y	Y	Y	Y
ASR	Y	Y	Y	Y	Y
ETS	Y	Y	Y	Y	Y
ABS	Y	Y	Y	Y	Y
BAS	Y	Y	Y	Y	Y
VP	Y	Y	Y	Y	Y

#### BRAKING SYSTEMS :

ECU version information, read and clear fault codes, dynamic data, component activation, system deactivation and re-activation required for all service procedures including brake pad and / or brake disk replacement (211 & 230 chassis).

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
SBC	Y	Y	Y	Y	N/A
ABR	Y	Y	Y	Y	Y

#### SUSPENSION SYSTEMS :

ECU version information, read and clear fault codes, dynamic data, component activation, fully automated system tests, height level adjustment and manual height calibration for fitting new modules.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
AirMATIC	Y	Y	Y	Y	Y
ABC	Y	Y	Y	Y	Y
ADS	Y	Y	Y	Y	Y

#### AIRBAG / SRS :

Read and clear fault codes, ECU version information, dynamic data, control unit adaptations / coding. New ECU

parameterization.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
AIRBAG	Y	Y	Y	N/A	Y

### ELECTRONIC IGNITION SYSTEM :

ECU version information, read and clear fault codes, dynamic data, control unit adaptations/ ECU coding, disable key/key track. Key coding and EIS / ESL activation.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
EZS (All Variants)	Y	Y	Y	N/A	Y

### BODY MODULES :

OCP/UCP/LCP/SCM/DCM's/HRA/PSE/CCM/CGW

ECU version information, read and clear fault codes, dynamic data, component activation and coding of new modules

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
OCP	Y	Y	Y	Y	N/A
UCP	Y	Y	Y	Y	N/A
LCP	Y	Y	Y	Y	Y
SCM	Y	Y	Y	Y	N/A
DCM'S	Y	Y	Y	Y	Y
HRA	Y	Y	Y	Y	Y
PSE	Y	Y	Y	Y	Y
SKF / KFB	Y	Y	Y	Y	Y
ZGW Central gateway	Y	Y	N/A	N/A	Y
SDS	Y	Y	Y	Y	Y
BCM	Y	Y	Y	Y	Y
ASSYST	Y	Y	Y	N/A	Y

ASSYST PLUS	Y	Y	Y	N/A	Y
AAM	Y	Y	Y	Y	Y
EAM	Y	Y	Y	Y	Y
SEQ	Y	Y	Y	Y	Y
DAS	Y	Y	Y	Y	Y
ETR	Y	Y	Y	Y	Y
WSS	Y	Y	Y	Y	Y
REVETR-LF	Y	Y	Y	Y	Y
REVETR-RF	Y	Y	Y	Y	Y
AHE	Y	Y	Y	Y	Y
MSS	Y	Y	Y	Y	Y
BNS	Y	Y	Y	Y	Y
HBF	Y	Y	Y	Y	Y
COU	Y	Y	Y	Y	N/A

### INFO AND COMMS

ECU version information, read and clear fault codes, dynamic data, component activation.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
NSA	Y	Y	Y	Y	N/A
PTS	Y	Y	Y	Y	Y
SCM	Y	Y	Y	Y	Y
RFK	Y	Y	Y	Y	Y

### SIGNAL ACQUISITION AND ACTIVATION MODULES – SAM :

ECU version information, read and clear fault codes, dynamic data, component activation.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
SAM	Y	Y	Y	Y	Y
SAM-FL	Y	Y	Y	Y	Y
SAM-FR	Y	Y	Y	Y	Y
SAM-REAR	Y	Y	Y	Y	Y

### TIRE PRESSURE MONITOR :

ECU version information, read and clear fault codes, dynamic data, component activation, module coding, control unit start up.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
TPC	Y	Y	Y	N/A	Y
RDK	Y	Y	Y	Y	Y
TPM	Y	Y	Y	Y	Y

### RVC / RST / VARIO ROOF :

ECU version information, read and clear fault codes, dynamic data & component activation.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
RVC	Y	Y	Y	Y	N/A
RST	Y	Y	Y	Y	N/A
VARIO ROOF	Y	Y	Y	Y	N/A

### INSTRUMENT CLUSTER :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding, coding of key dependent settings, optional equipment installation, ICM specific coding, increase/reset odometer reading, ASSYST / ASSYST + Active Service System administration for oil change/service information storage.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
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KIWK2 / KIWFB	Y	Y	Y	Y	Y
KI	Y	Y	Y	Y	Y
KIL	Y	Y	Y	Y	Y
KIWK4 / KIW3	Y	Y	Y	Y	Y
ICM	Y	Y	Y	Y	Y

#### ALL ACTIVITY MODULE :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding, coding of transmitter key radio code, correction programming, revocably deactivate and activate keys.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
AAM	Y	Y	Y	Y	Y

#### EXTENDED ACTIVITY MODULE (MY2000) :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
EAM	Y	Y	Y	Y	Y

#### DAS MODULE (MY2000) :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding, learn replacement key, correction programming, revocably deactivate and activate keys.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
DAS	Y	Y	Y	Y	Y

#### SEM – SECURITY MODULE (UP TO MY1999) :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
SEM	Y	Y	Y	Y	Y

#### LCP (163 CHASSIS MY2002 & 168 CHASSIS) :

ECU version information, read and clear fault codes, dynamic data and component activation.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
LCP	Y	Y	Y	Y	N/A

#### A-CLASS TRANSMISSIONS (AKS, FTC & GRM) :

##### AUTOMATIC CLUTCH SYSTEM (AKS) :

ECU version information, read and clear fault codes, dynamic data, component activation and new module setup: system bleeding, teaching in gear positions and engagement point determination.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
AKS	Y	Y	Y	Y	Y

##### FRONT AUTOMATIC TRANSMISSION :

ECU version information, read and clear fault codes, dynamic data, component activation and ECU coding. Reading and resetting of adaptation data and diagnostic routines.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
FTC	Y	Y	Y	Y	Y

##### GEAR RECOGNITION MODULE :

ECU version information, read and clear fault codes, dynamic data and component activation.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
GRM	Y	Y	Y	Y	N/A

### RADIO FREQUENCY LOCKING :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding, revocably deactivate and activate keys.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
RFL	Y	Y	Y	Y	Y

### ATA :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
ATA	Y	Y	Y	Y	Y

### PARKTRONIC :

ECU version information, read and clear fault codes, dynamic data AND component activation.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
PTS	Y	Y	Y	Y	N/A

### COMMAND & AUDIO :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding. Retrofitting of D2B / MOST components. TV activation whilst vehicle is moving at any speed.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
D2BCOMMAND	Y	Y	Y	Y	Y
D2B AUDIO	Y	Y	Y	Y	Y
AGW	Y	Y	Y	Y	Y

CTEL	Y	Y	Y	Y	Y
TUNER	Y	Y	Y	Y	Y
ZAN	Y	Y	Y	Y	N/A
COU	Y	Y	Y	Y	Y
TELEAID	Y	Y	Y	Y	Y
NAVIGATION	Y	Y	Y	Y	Y
MB PORTAL	Y	Y	Y	N/A	Y
SATELLITE RADIO	Y	Y	Y	Y	Y
HANDS FREE SYSTEM	Y	Y	Y	Y	Y
CD CHANGER	Y	Y	Y	Y	Y

#### TV TUNER :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding and activation whilst driving.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
TV TUNER	Y	Y	Y	Y	Y

#### AIR CONDITIONING :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
AAC	Y	Y	Y	Y	Y
KLA	Y	Y	Y	Y	Y

TAU	Y	Y	Y	Y	Y
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### ELECTRIC SEAT ADJUSTMENT :

ECU version information, read and clear fault codes, dynamic data, component activation, version coding.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
ESA-FL	Y	Y	Y	Y	Y
ESA-FR	Y	Y	Y	Y	Y
ESA-REAR	Y	Y	Y	Y	Y

### MULTI CONTOUR SEAT :

ECU version information, read and clear fault codes, dynamic data, component activation and version coding.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
OSB-FL	Y	Y	Y	Y	Y
OSB-FR	Y	Y	Y	Y	Y

### KEYLESS – GO :

ECU version information, read and clear fault codes, dynamic data, component activation, transmitter card cancelling and re-assignment.

	ECU VERSION INFORMATION	FAULT READ & CLEAR	DYNAMIC DATA	COMPONENT ACTIVATION	FULL ECU CODING
KG	Y	Y	Y	Y	Y