

iCarsoft CR Max P

Dealer-Level Diagnostics. Trusted by Technicians Worldwide.

The CR Max P covers all systems — from engine, transmission, ABS and airbag to every onboard ECU — with advanced coding and adaptations— with full bidirectional control, 50 service functions, and lifetime free updates. The car diagnostic tool CR Max P comes with dealer-level diagnostics, without the dealer-level price. Built for serious DIYers and independent shops who need bidirectional control and OE-level ECU coding, not just code reading.

✓ 10" Android Touchscreen ✓ CAN-FD and DoIP Supported ✓ 15 Languages ✓ Lifetime Free Updates

1. Worldwide Vehicle Coverage:

for Mercedes-Benz, for Maybach, for BMW, for Mini, for Rolls-Royce, for Chrysler, for Dodge, for Jeep, for Daewoo, for Abarth, for Fiat, for Lancia, for Alfa Romeo, for Ferrari, for Maserati, for Ford (US Ford, EU Ford, AU Ford), for G.M., for Holden, for Acura, for Honda, for Hyundai, for KIA, for Isuzu, for Jaguar, for Land Rover, for Mazda, for Mitsubishi, for Infiniti, for Nissan, for Nissan GTR, for Opel, for Vauxhall, for Porsche, for Citroen, for DS, for Peugeot, for Dacia, for Renault, for Renault-Samsung, for SAAB, for Smart, for Sprinter, for Subaru, for Suzuki, for Lexus, for Scion, for Toyota, for Audi, for Bentley, for Bugatti, for Lamborghini, for Seat, for Skoda, for VW, for VW CV, for VW LT3, for Man LD, for Volvo.

2. The Ultimate High-Ticket Flagship Upgrade

iCarsoft CR Max P diagnostic tool features a 10-inch Ultra HD touchscreen. Powered by a 1.3GHz quad-core processor and Android system, it comes with 64GB storage and a 10000mAh battery, supporting up to 8 hours of continuous operation. Boasting an intuitive interface, it delivers seamless vehicle diagnosis performance.

3. Lifetime Free Software Upgrades

Unlike other OBD scan tools on the market that require annual subscription fees, the CR Max P offers lifetime free software upgrades. Updates are delivered wirelessly via Wi-Fi, with new diagnostic protocols and vehicle model coverage continuously released.

4. Supports the Latest CAN-FD and DoIP Protocol

CAN-FD (Controller Area Network – Flexible Data-rate) and DoIP (Diagnostic Communication over Internet Protocol) are next-generation automotive communication protocols adopted by today's modern cars: CAN-FD, compatible with 2020- G.M & Chrysler Models; DoIP, compliant cars including Volvo, Land Rover/Jaguar, BM.W F/G chassis, etc.

5. Advanced Bi-Directional Control

The CR Max P goes beyond reading codes. With full bidirectional control, you can command individual components and watch them respond in real time — cycle the ABS pump motor, run window regulators, activate the fuel pump, open the throttle, and run output tests on almost every onboard module. Pinpoint the faulty part in minutes, without trial-and-error.

6. Advanced ECU Coding: Unlock Your Vehicle's Full Potential

Maximize your workshop's capabilities with our professional-grade ECU Coding feature. Seamlessly bridge the gap between component replacement, software troubleshooting, and personalized driving experiences across 8+ major car groups.

Vehicle Make / Group	Supported Years	Primary Application	Software Diagnostics Entry Path
For BMW	2006 – Present	ECU Troubleshooting & Data Recovery	Main Menu → Coding
For V.A.G (VW, Audi, Skoda, Seat)	2010 – Present	Component Adaptation & Parameter Calibration	Main Menu → Coding
For Hyundai / KIA	2010 – Present	Module Matching & Data Migration (Backup/Clone)	Service → Variant Coding
For Ford	2003 – 2023	Hidden Function Activation & Personalization	Programming → Programmable Parameters
For Mazda	2003 – 2020	Hidden Function Activation & Personalization	Programming → Programmable Parameters
For Renault	2005 – Present	Comfort Features & System Customization	Service → Configure Function
For Chrysler / Jeep / Dodge	Specific Years	Alert Logic & Basic Vehicle Settings	Service → Coding
For Subaru	2014 – Present	Warning Systems & Functional Toggles	Service → VSP Category

- **Smart ECU Troubleshooting & Data Recovery**

Fix Software Glitches: Instantly repair corrupted ECU data caused by sudden voltage drops or power loss.

Restore Performance: Eliminate unresolved drivability issues, unexplained mechanical faults, and poor fuel economy with custom software refreshes.

- **Seamless Component Matching & Data Migration**

OE-Level Module Coding: Write original vehicle data into newly installed modules (ECU, EPB, HCU, Powertrain) to instantly clear "mismatch" fault codes.

One-Click Backup & Clone: Safely backup old ECU data and migrate it to the new module without data loss (Exclusive for Hyundai/Kia).

- **Precision Parameter Calibration**

Hardware Synchronization: Adjust baseline vehicle parameters following repairs or upgrades, including body style, transmission type, steering position, and wheelbase.

Factory-Level Re-indexing: Re-calibrate critical vehicle safety and driver-assist parameters directly to OEM standards.

- **Premium Personalization & Hidden Feature Activation**

Unlock Comfort Upgrades: Easily activate high-end hidden features like auto-folding mirrors, remote engine start, one-touch window control, and welcome lighting.

Customize Alerts & Displays: Toggle annoying seatbelt chimes, modify dashboard language/units, and customize audible/visual warning triggers.

Aftermarket Tuning Calibration: Fine-tune vehicle parameters after modifications, such as recalibrating the speedometer for larger tire sizes or custom axle ratios.

⚠ ECU Coding is currently available for the 8 major car groups listed above. Coding support for additional brands is being rolled out through ongoing software updates.

7. Fast AutoVIN Identification:

Skip the manual VIN typing — simply plug in, and the tool identifies your vehicle in seconds. No typos, no extra lookup time. This boosts accuracy, eliminates input errors, and delivers a smoother, more reliable diagnostic experience.

8. Supports 15 Global Languages

The universal OBD scanner CR Max P supports English, German, French, Dutch, Spanish, Czech, Swedish, Russian, Hungarian, Norwegian, Portuguese, Italian, Polish, Danish, and Finnish.

9. 50 Comprehensive Service Functions

The CR Max P is far more than a basic code reader. It integrates 9 commonly-used service functions for daily maintenance and 41 advanced professional functions for complex repair tasks.

► 9 Hot Service Functions covering your daily maintenance needs.

Oil Reset (For 57 vehicle makes):

Allows you to reset the engine oil life system, service lamp, service mileage, and service intervals after an oil change.

Electronic Throttle Control (For 56 vehicle makes):

Relearns throttle valve control parameters after resetting or replacing the throttle body.

EPB-Brake-Pad Reset (EPB) (For 53 vehicle makes):

Retracts the electric parking brake calipers and resets the brake pads after replacement.

Steering Angle Reset (SAS) (For 57 vehicle makes):

Calibrates the steering wheel to the straight-ahead position, or recalibrates the SAS after steering component replacement.

DPF Regeneration (For 54 vehicle makes):

Performs DPF regeneration, component replacement initialization, and DPF relearning after engine control unit replacement — for diesel particulate filter systems.

Injector Coding (For 54 vehicle makes):

Relearns the injector control parameters when an injector is renewed or replaced.

ABS Bleeding (For 53 vehicle makes):

Bleeds air from the system to restore ABS brake response, or performs a relearn procedure after ABS replacement.

Air Suspension Service (For 22 vehicle makes):

Supports calibration, height adjustment, system reset, and fault code clearing for air suspension systems. Let's

you precisely set ride height, perform system initialization, and resolve common air suspension faults.

Battery Management Service (BMS) (For 48 vehicle makes):

Evaluates the battery charge state, monitors closed-circuit current, registers battery replacement, and activates the vehicle's sleep mode.

► **41 High level service functions for professional technicians:**

TPMS Reset (For 56 vehicle makes):

Allows you to look up the tire sensor IDs from the vehicle's ECU, inputting TPMS sensor replacement IDs and testing sensors.

Air Conditioner Service (For 22 vehicle makes):

Supports routine maintenance of A/C modules, including A/C system adaptation reset, compressor reset, compressor break-in, and stepper motor initialization.

Head Lamp Service (For 44 vehicle makes):

Initializes the adaptive headlamp system.

Body Stability Control Service (For 35 vehicle makes):

Supports routine maintenance of DSC modules, including resetting or deleting adaptation values, and initializing the unit.

Engine Control Service (For 48 vehicle makes):

Supports routine maintenance of engine modules, including resetting or deleting adaptation values, and calculating fuel consumption.

Transmission Control Service (For 48 vehicle makes):

Supports routine maintenance of transmission modules, including resetting adaptation values and transmission fluid level adaptation.

Air-Bag Reset (For 29 vehicle makes):

Resets airbag data to clear the airbag (SRS) warning light after a collision.

Seat Service (For 34 vehicle makes):

Calibration after repairing or replacing the seat position drive motor.

Immobilizer Service (For 40 vehicle makes):

Anti-theft Matching, disable any lost keys and add new keys. ONLY for vehicles with basic Immobilizer system.

Engine Idle Service (For 37 vehicle makes):

Adjusts the engine idle speed.

Door-Window-Roof (For 34 vehicle makes):

Learns the top position of the door window glass, enabling pinch protection and the one-touch-up function.

Fuel Pump Service (For 30 vehicle makes):

Activates the fuel pump after replacement.

Air Filter Control Service (For 8 vehicle makes):

Initiates the self-learning process after replacing the air filter.

ODO Meter Reset (For 16 vehicle makes):

Reads odometer values stored in multiple ECUs (for service and verification purposes).

Door Service (For 20 vehicle makes):

Performs full calibration after window lift motor repair or replacement.

Turbocharger (For 33 vehicle makes):

Performs turbocharger learning after component replacement, or resets stored learned values.

Exhaust Gas Recirculation (For 38 vehicle makes):

Recirculates a portion of engine exhaust gas back into the intake system.

Engine Cylinder Service (For 26 vehicle makes):

Performs inspection, maintenance and diagnosis of the engine cylinder system.

Engine Correction Service (For 1 vehicle make):

Performs engine module data calibration.

AdBlue (For 40 vehicle makes):

Resets the AdBlue (urea) level counter after the diesel exhaust fluid is refilled or replaced.

Clutch Matching (For 41 vehicle makes):

Learns the clutch contact point and engagement position where the clutch begins to transmit engine torque. Applicable after ECU replacement, transmission removal/replacement, or clutch replacement. For adaptive clutches only.

Electronic Water Pump (For 13 vehicle makes):

Activates the electronic water pump for testing or after replacement.

Crankshaft Learning (For 20 vehicle makes):

Performs crankshaft position learning and related calibration after engine repair.

High Voltage Battery (For 26 vehicle makes):

Supports EV/hybrid high-voltage battery maintenance, including replacement adaptation and status monitoring.

Cruise Control System (For 23 vehicle makes):

Performs adaptive cruise control (ACC) calibration and personalization.

Language Setting (For 24 vehicle makes):

Changes the vehicle's system language.

Radar/Camera (For 38 vehicle makes):

Performs radar and camera learning and calibration (ADAS).

Vehicle Setup (For 21 vehicle makes):

Personalize your vehicle's driving and comfort preferences.

Cylinder Shutoff Test (For 13 vehicle makes):

Tests each engine cylinder individually by disabling its fuel supply — useful for diagnosing cylinder-specific issues such as misfires or low compression.

Speed Limit Assist (For 26 vehicle makes):

Sets or removes the vehicle's maximum speed limit.

Head-Up Display (For 6 vehicle makes):

Used for learning and calibration of heads-up display.

Cylinder Misfire Check (For 13 vehicle makes):

Identifies engine misfires, addressing issues like sluggish acceleration, high fuel consumption and severe vibration.

Control Unit Reset (For 29 vehicle makes):

Performs full reset and initialization of vehicle control units after part replacement or fault repair, clearing stored data and restoring normal module operation.

O2S (Oxygen Sensor) (For 35 vehicle makes):

Supports oxygen sensor replacement adaptation and initializes the three-way catalytic converter learned values.

Seat Belt (For 28 vehicle makes):

Performs seatbelt pretensioner reset and related maintenance after airbag deployment.

Gas Particulate Filter (For 4 vehicle makes):

Performs service operations including GPF replacement and regeneration.

NOx Sensor (For 29 vehicle makes):

Resets NOx sensor-related learned values (e.g., catalytic converter parameters) stored in the ECU.

Rain-Light Sensor (For 18 vehicle makes):

Calibrates the rain sensor after windshield replacement or sensor renewal.

Stop And Start (For 22 vehicle makes):

Set up the automatic start-stop function in ECU.


Mileage Verification (For 56 vehicle makes):

Checks and compares odometer data stored across multiple ECUs to detect mileage tampering.

VIN Verification (For 56 vehicle makes):

Reads and matches the VIN across all vehicle ECUs to detect inconsistencies or unauthorized module replacement.

Additional service functions are available in the Miscellaneous section.

 **Compatibility Notice:** The specific diagnostic service functions vary by vehicle brand, model, production year, and ECU configuration.

10. Powerful Full Systems Diagnostics

In addition to the four standard systems (Engine, ABS, Airbags, and Transmission), the CR Max P provides diagnostic coverage for more complex vehicle systems.

- Read and Clear DTCs
- Read ECU Information
- Read Live Data
- Access all ECU modules via OBDII-16 DLC
- Read and Clear Freeze Frame Data

11. Full OBD2 Test Modes — Emission-Ready

Supports all 10 OBD2 test modes for vehicles compliant with 1996+ OBDII/EOBD/JOBD/KOBD/CAN/CAN-FD standards: Read Codes, Erase Codes, I/M Readiness, Live Data, Freeze Frame, Vehicle Information, O2 Monitor Test, On-Board Monitor Test, EVAP System Test, and Pending Codes.

12. Older Vehicle Connection Extensions

The smart auto diagnostic tool CR Max P also supports Mercedes-Benz models (with the 38-pin adapter), early BMW models (with the 20-Pin adaptor) and Sprinter vans (with the 14-pin adapter). The corresponding iCarsoft adapters are available separately.

13.Support Diagnostic History and Report printing

Users can quickly access previously tested vehicle systems and save, share, and print diagnostic reports.

Use the Feedback function to report issues encountered during use — our technical team will review and provide assistance. Diagnostic data can also be printed for future reference by connecting the device to a Windows PC via USB.

14. Product Specifications:

Operating System	Android
Processor	Quad Core 1.3 GHz
Storage	64GB
Display	10-inch HD touchscreen with 1280x800 resolution
Connectivity	Mini USB 2.0 / USB2.0 / Wi-Fi / Bluetooth / OBDII
Battery Capacity	3.8V 10000mAh 38Wh
Tested Battery Life	Up to 8 hours of continuous use
Type C Input	5V / 2A
Power Consumption	600mA (LCD on with default brightness, Wi-Fi on) @3.8 V
Operating Temp.	0 to 40°C (32 to 104°F)
Storage Temp.	-20 to 70°C (-4 to 158°F)
Operating Humidity	5% - 95% non-condensing
Dimensions (W x H x D)	309.5 × 218.5 × 33 mm (12.19 × 8.16 × 1.30 in)
Net Weight	≈ 1199 g
Supported Automotive Protocols	ISO 9141-2, ISO 14230-2, ISO 15765, K/L-Line, Flashing Code, SAE-J1850 VPW, SAE-J1850 PWM, ISO 11898 (High-speed, Medium-speed, Low-speed, and Single-wire CAN), CAN-FD, SAE J2610, G.M UART, UART Echo Byte Protocol, Honda Diag-H Protocol, TP2.0, TP1.6

15.Packing List:

- EVA Carrying Case

- CR Max P (Diagnostic Tablet)
- VCI
- Charge Adaptor
- RJ45 Network Cable
- F-Chassis
- USB2.0 to 10 / 100M Network Cable (1.2m)
- Screen cleaning cloth
- USB-C Cable
- Multi-Language User Manual
- Mercedes-Benz 38-Pin adapter (Optional)
- BMW 20-Pin adapter (Optional)
- Sprinter 14-Pin adapter (Optional)

Optional Adapters · Sold Separately	
[38-pin adapter image]	[14-pin adapter image]
38-Pin Adapter For pre-2008 Mercedes-Benz passenger cars	14-Pin Sprinter Adapter For Sprinter T1N & early NCV3 vans
W203, W211, W164, W219, R230, W209, and others	1995-2009 Sprinter models
[Shop Adapter →]	[Shop Adapter →]

[20-pin adapter image]

20-pin BMW Adapter

For BMW E30, E36, Early E46, E34, Early E39, E32, E38, E36 Z3, E52, Early E53, E31, E28, E24, E23

Pre 2001 BMW models

[38-pin adapter image]

38-pin Adapter

Compatible with pre-2003 Mercedes-Benz passenger vehicles:

C-Class W202 (up to 2000), E-Class W210 (up to 2002), S-Class W140 (up to 1998), CLK-Class W208 (up to 2003), SLK-Class R170, SL-Class R129 (up to 2002) and other similar models. [Shop Adapter →]

[14-pin adapter image]

14-pin Sprinter Adapter

For Sprinter T1N & early NCV3 vans

1995-2006 Sprinter models

[Shop Adapter →]

iCarsoft Classic Mercedes 38-Pin Adapter

Brings full diagnostic capability to classic Mercedes-Benz models from the 1990s and early 2000s.

i Older Mercedes-Benz models and Sprinter vans may require an optional adapter. Click to view compatibility details →

For Pre-2003 Mercedes-Benz Owners

If your Mercedes-Benz is a pre-2003 model including C-Class W202 (up to 2000), E-Class W210 (up to 2002), S-Class W140 (up to 1998), CLK-Class W208 (up to 2003), SLK-Class R170, SL-Class R129 (up to 2002) and other similar models, it is equipped with a 38-pin round diagnostic port rather than the standard 16-pin OBD2 port.

The Mercedes 38-pin adapter is sold separately.  Add the iCarsoft 38-pin Adapter to your order.

Not sure which port your car has? Check compatibility by VIN or contact our support team.

FAQ:

Q1: Is the software updated regularly? Are updates free?

A: Yes. CR Max P includes lifetime free Wi-Fi software upgrades. No annual subscription required.

Q2: What's the difference between CR Max P and the CR MAX BT?

A: CR Max P is the update version of CR MAX BT.

Hardware upgrade: CR Max P features upgraded hardware (10-inch touchscreen, Android OS, Quad-Core processor, 64GB storage, 10000mAh battery).

Protocol upgrade: CR Max P standard equipped with RJ45 Network Cable, F-Chassis and USB2.0 to 10/100M Network Cable for DoIP protocol.

More advanced functions will be added to CR Max P.

Q3: The CR Max P cannot recognize my vehicle by AutoVIN, does it mean the device is faulty?

A: Not necessarily. Send your VIN to our support team and we'll confirm AutoVIN compatibility within 24 hours. In the meantime, you can manually select your vehicle model — all diagnostic functions will still work normally. We'll add your VIN to our database in the next update.

Q4: DTCs can be read normally but fail to be cleared or reappear after clearance, why?

A: Please keep ignition on and engine off. Record freeze frame data first before clearing codes.

Persistent hardware faults need physical repair prior to code clearance.

Some fault codes of systems like SRS and ABS can only be cleared after finishing bidirectional tests.

Q5: How to pair Bluetooth VCI?

A:

Step 1. Insert the VCI into vehicle OBD port, turn ignition to ON position.

Step 2. Enable Bluetooth on tablet, search and connect "CR Max P VCI".

Step 3. Green VCI icon means successful pairing.

Step 4. Select Bluetooth connection to start diagnosis.