



The X431 hand-held diagnostic tool developed for the independent workshop the true all-in-one scan tool.

Features

- LCD TouchScreen
- In-built printer
- Software updates via PC and Internet
- All software on 1 Compact Flash card
- 2 Year Warranty
- Free Software Updates for 12 Months

- Reading and Clearing of fault codes
- Live Data
- Component Activation
- Clear Adaptations
- Coding
- Data Graphing

Launch Europe Vehicle Coverage 4/1/06

	<p>Mercedes-Benz</p>	<p>MERCEDES -Engine Petrol/Diesel, Auto Transmissions, All Brake Systems, Airbag, Instrument Clusters, Air conditioning, Air Suspension, Pneumatic Systems, Parktronic Control, Active Body Control, Keyless Go, Extended Activity Module, Electronic Ignition, Radio, Anti Theft Alarm, Signal Acquisition, Convertible Top, Overhead Control Panel, Lower Control Panel, Upper Control Panel, Headlamp Range, Seat Modules, Door Modules, Adaptive Damping System.</p> <p>CAN Bus Vehicles 1992 up to car model year 2005. CAN Bus Connector, 38 pin connector and 16 pin OBDII 16C connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes -Live Data -Actuator tests -Adaptation -Real Time Graphing.</i></p> <p><i>Latest Software Version 23.02 30/12/05</i></p>
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VW/Audi/Seat/Skoda -All systems: Engine, Auto Transmissions, Brake Electronics, Airbag, Instrument Clusters, A/C Heating, Central Locking, Central Control Module, Immobilizer, Radio, Gateway Data Bus, Interior Monitoring, Steering Wheel Electronics, Electronic Cont Electronics, 4WD, Navigation, Sound system, Aux Heating, Electric Roof Control, Parking Aid and More... **78 Control Modules.**

CAN Bus

Vehicles 1989 up to model year 2005

CAN Bus Connector, 16 pin OBDII 16C Connector and 2x2 Connector for older vehicles.

New CAN Bus support added to some systems and VAG procedure help.

Testing functions for control units:

Control unit identification -Reading fault codes -Erasing fault codes -Basic Settings -Measuring Blocks(Live Data) -Single Reading -Adaptation - Output Tests(Component Activation) -Control unit coding -Key Programming -Real Time Graphing.

Latest Software Version 18.02 26/12/05



BMW -Engine Petrol/Diesel, Auto Transmissions, Brake Systems, Airbag, Air Conditioning, Instrument Clusters, Electronic Throttle, Electric Seats, Immobiliser, Central Body Electronics, Cruise Control, Park Distance Control, Switching Center Module, Basis Interface Telephone, Light Control Module, Steering Angle Sensor, Radio, Electronic Height Control, On-Board Monitor, Automatic Interval Control, Navigation System, Multi-function Steering Wheel, Video Module, Language Input System.

7 Series E65: Engine, Transmission, Instrument Cluster, Car Access System, Dynamic Drive, Chassis Integration Module, Dynamic Stability Control, Ride Level Control, Parking Brake, Amplifier, Audio System Controller, Control Display, Control Display Gateway, Antitheft Alarm System, A/C Control, Rear Lid Lift, Lights Module, Navigation System, Power Module, Rain/Light Sensor, Satellite Modules, Siren And Tilt Sensor, Seat Modules, Language Processing System, Switch Center Module, All Door Modules, Video Module, Wiper Module, Central Gateway Module, Safety And Information Module.

Models: E30, E36, E46, E87, E90, E28, E34, E39, E60, E61, E24, E23, E32, E38, E65, E31, E53, E52 and Mini.







Vehicles 1987 up to car model year 2005.





20 pin connector and BMW 16 pin OBDII connector.






Testing functions for control units:

System identification -Reading fault Codes -Erasing fault Codes -Live Data -Actuator tests -Real Time Graphing.





Latest Software Version 22.01 9/12/05

	<p>OBDII/EOBD –All OBDII/EOBD compliant vehicles. Supported protocols: ISO 9141-2 ISO 14230 (KWP2000) SAE J1850 (VPW and PWM) CAN Bus (Using CAN Bus OBDII Software) <i>CAN Bus</i> 16 pin OBDII 16C connector and CAN Bus Connector. <i>Testing functions for control units:</i> <i>Reading fault Codes -Erasing fault Codes –Live Data –Readiness Test – Real Time Graphing.</i></p> <p><i>Latest Software Version 18.00 29/12/05</i></p>
	<p>Ford Europe -Engine, ABS. 16 pin OBDII 16C connector. <i>Testing functions for control units:</i> <i>Reading fault Codes -Erasing fault Codes –Live Data–Real Time Graphing.</i></p> <p><i>Latest Software Version 10.03 10/5/05</i></p>
	<p>Ford USA -Engine, ABS, Airbag. 16 pin OBDII 16C connector. <i>Testing functions for control units:</i> <i>Reading fault Codes -Erasing fault Codes –Live Data–Real Time Graphing.</i></p> <p><i>Latest Software Version 23.00 29/12/05</i></p>
<p>OPEL </p> 	<p>Vauxhall/Opel -Engine Petrol/Diesel, Auto Transmissions, ABS, Airbag, Electronic Power Steering, Immobiliser, Body Control Module, Anti-theft Module, Central Locking Module, Soft-top controller, Engine Cooling Module</p> <p>Vehicles 1997 up to car model year 2004. 16 pin OBDII 16C connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes –Live Data -Actuator tests –Real Time Graphing.</i> <i>Key Programming, Remote Fob Programming</i></p> <p><i>Latest Software Version 19.02 8/12/05</i></p>
 <p>ROVER</p>	<p>Rover -Engine Petrol/Diesel, ABS, Airbag, Jatco Auto Transmission.</p> <p>Vehicles 1997 up to car model year 2005. 16 pin OBDII 16C connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes –Live Data -Actuator tests –Real Time Graphing.</i></p> <p><i>Latest Software Version 12.00 29/9/05</i></p>


	<p>Land Rover – Freelander –Engine, ABS, Airbag, Automatic Transmission, Instrument Cluster. Discovery II – Engine, ABS, Airbag ,Automatic Transmission. Range Rover – Engine, ABS, Automatic Transmission. Defender – Petrol Engine, ABS. New Range Rover – Engine, ABS, Airbag, Automatic Transmission, Air Suspension, Instrument Cluster, AC, Parking Aid, Security System, Immobiliser, Power Steering, Wash Wipe System.</p> <p>16 pin OBDII 16C connector. <i>Testing functions for control units:</i> System identification -Reading fault Codes -Erasing fault Codes –Live Data -Real Time Graphing.</p> <p><i>Latest Software Version 19.00 30/12/05</i></p>
	<p>Volvo -Engine, Auto Transmissions, ABS, Airbag, Instrument Cluster. <i>New 1998-2004 Coverage.</i> Vehicles 1996 up to car model year 2004. 16 pin OBDII 16C connector and Volvo CAN Bus Connector. <i>Testing functions for control units:</i> System identification -Reading fault Codes -Erasing fault Codes –Live Data -Actuator tests –Real Time Graphing.</p> <p><i>Latest Software Version 14.00 1/12/05</i></p>
	<p>Renault -Engine Petrol/Diesel, Auto Transmissions, ABS, Airbag, Instrument Cluster, Immobiliser, Variable PAS, Interconnection Unit, Air Conditioning, Tyres, Door Management, Discharge Lamp, Parking Brake. <i>Espace Airbag Coding - Tyre Pressure Programming</i> CAN Bus Vehicles with 16 pin connector up to car model year 2005. CAN Bus Connector and 16 pin OBDII 16C connector. <i>Testing functions for control units:</i> System identification -Reading fault Codes -Erasing fault Codes –Live Data -Actuator tests –Real Time Graphing.</p> <p><i>Latest Software Version 20.00 4/1/06</i></p>
	<p>Fiat -Engine, Automatic Transmission, ABS, Airbag, Immobiliser, AC.</p> <p>Vehicles with 16 pin connector up to car model year 2003. 16 pin OBDII 16C connector. <i>Testing functions for control units:</i> System identification -Reading fault Codes -Erasing fault Codes –Live Data –Real Time Graphing.</p> <p><i>Latest Software Version 15.04 1/12/05</i></p>


	<p>SAAB -Engine</p> <p>Vehicles with 16 pin connector up to car model year 2003. 16 pin OBDII 16C connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes –Live Data –Real Time Graphing.</i></p> <p><i>Latest Software Version 10.00 29/9/05</i></p>
	<p>Citroen -Engine, ABS, Airbag, Immobiliser. On Fukang,Elysee,C5,.,C3,Xsara and Picasso</p> <p>16 pin OBDII 16C connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes –Live Data –Actuator tests –Real Time Graphing.</i></p> <p><i>Latest Software Version 18.00 4/1/06</i></p>
	<p>Peugeot –Engine, ABS, Airbag, Automatic Transmission.</p> <p>16 Pin OBDII 16C connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes –Live Data–Real Time Graphing.</i></p> <p><i>Latest Software Version 18.00 26/12/05</i></p>
	<p>Nissan -Engine , ABS, Airbag, Immobiliser, Auto Speed Control Device, Stepless Speed Change System, Interior Control System, 4WD System, Intelligent Access System.</p> <p>CAN Bus</p> <p>Vehicles up to car model year 2005. 14 pin connector,16 Pin OBD connector and CAN Bus Connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes –Live Data –Actuator tests –Real Time Graphing.</i></p> <p><i>Latest Software Version 20.00 21/11/05</i></p>
	<p>Mitsubishi -Engine, Auto Transmission, ABS, Airbag, Immobiliser, Traction Control, Auto A/C.</p> <p>Vehicles up to car model year 2004. 12 pin connector and 16 pin OBD connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes –Live Data –Actuator tests –Real Time Graphing.</i></p> <p><i>Latest Software Version 17.00 27/12/05</i></p>

	<p>Toyota/Lexus -Engine Petrol/Diesel, Auto Transmission, ABS, Airbag, Immobiliser, A/C, Cruise Control, Instrument System, Body System, Suspension System, Seat Modules, Door Modules, Gateway System, Combined Switch, Flex Incline Steering Wheel, Air Suspension System, Electronic Hydraulic Power Steering system, Electronic Motor-assisted Power Steering System, Tire Pressure Warning System, Body No3 System, Body No2 System, Rear View Mirror, Rain Sensor, Steering Pad, Stop And Drive System, Stop Sonar System..</p> <p>Vehicles up to car model year 2004. 17 pin Connector and 16 pin Toyota Connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes –Live Data -Actuator tests –Real Time Graphing.</i></p> <p><i>Latest Software Version 27.00 4/1/06</i></p>
	<p>Honda -Engine Petrol, Auto Transmission, ABS, Airbag, Power Steering, Body Electrical System, Instrument Cluster, Door Lock, Wipers, A/C.</p> <p>Vehicles up to car model year 2004. 3 pin connector and 16 pin Smart OBDII connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes –Live Data -Actuator tests –Real Time Graphing.</i></p> <p><i>Latest Software Version 19.00 29/12/05</i></p>
	<p>Hyundai -Engine Petrol/Diesel, Auto Transmission, ABS, Airbag, Immobilizer, Secondary Air Injection.</p> <p>Vehicles up to car model year 2004. 12 pin connector and 16 pin OBD connector. <i>Testing functions for control units:</i> <i>Reading fault Codes -Erasing fault Codes –Live Data -Actuator tests –Real Time Graphing.</i></p> <p><i>Latest Software Version 18.02 29/11/05</i></p>
	<p>Daewoo -Engine Petrol, Auto Transmission, ABS, Airbag.</p> <p>Vehicles up to car model year 2003. 12 pin connector and 16 pin OBD connector. <i>Testing functions for control units:</i> <i>Reading fault Codes -Erasing fault Codes –Live Data –Real Time Graphing.</i></p> <p><i>Latest Software Version 17.03 4/1/06</i></p>
	<p>Kia -Engine, Auto Transmission, ABS, Airbag.(Depending on Models).</p> <p>Vehicles up to car model year 2002. 20 pin connector and 16 pin OBD connector. <i>Testing functions for control units:</i> <i>System identification -Reading fault Codes -Erasing fault Codes –Live Data -Actuator tests –Real Time Graphing.</i></p> <p><i>Latest Software Version 19.00 4/1/06</i></p>

	<p>Mazda -Engine, ABS, Airbag, Auto Transmission, Instrument Cluster..</p> <p>17 pin connector. <i>Testing functions for control units: Reading fault Codes -Erasing fault Codes –Live Data –Real Time Graphing. Latest Software Version 14.01 29/11/05</i></p>
	<p>Subaru -Engine, Auto Transmission, ABS, Cruise Control.</p> <p>16 pin OBD connector. <i>Testing functions for control units: System identification -Reading fault Codes -Erasing fault Codes –Live Data -Actuator tests –Real Time Graphing. Latest Software Version 15.01 14/11/05</i></p>
	<p>Suzuki -Engine, ABS, Airbag, Automatic Transmission, A/C, Electronic Steering, 4 Wheel Drive System, Body Control Module.</p> <p>16 pin OBD connector. <i>Testing functions for control units: System identification -Reading fault Codes -Erasing fault Codes –Live Data–Real Time Graphing. Latest Software Version 15.02 27/12/05</i></p>
	<p>Ssangyong -Engine, Automatic Transmission, ABS, Airbag, 4WD System.</p> <p>16 pin OBD connector. <i>Testing functions for control units: Reading fault Codes -Erasing fault Codes –Live Data–Real Time Graphing. Latest Software Version 10.04 21/11/05</i></p>

Extra Software That Can Be Purchased

	<p>Smart –Fortwo and Roadster -Engine, Automatic Transmission, ABS, Airbag, SAM Module, Instrument Cluster.</p> <p>16 pin OBD 16C connector. <i>Testing functions for control units: System identification -Reading fault Codes -Erasing fault Codes. Latest Software Version 10.01 7/12/05</i></p>
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DAIHATSU	Daihatsu –Engine, Automatic Transmission, ABS, Airbag, Steering System.. 16 pin OBD 16C connector. <i>Testing functions for control units: System identification -Reading fault Codes -Erasing fault Codes- Live Data– Real Time Graphing.</i> <i>Latest Software Version 12.00 29/12/05</i>
 Mercedes-Benz	Sprinter/Vaneo –Engine, Automatic Transmission, ABS, Airbag, Instrument Cluster. 16 pin OBD 16C connector. <i>Testing functions for control units: System identification -Reading fault Codes -Erasing fault Codes.</i> <i>Latest Software Version 10.01 19/12/05</i>