



CDIF/3 & NEX DIAGNOSTIC SYSTEM

PRICE LIST AND
PRODUCT CATALOGUE

CDIF/3 KIT

SERIAL DIAGNOSIS

- ▶ CDIF/3 diagnostic interface.
- ▶ Software, including operating instructions, USB cable.
- ▶ Adapter J1962 16-pin.
- ▶ Tool bag.
- ▶ Tablet included!
- ▶ Free lifetime warranty!¹
- ▶ 12-month free subscription and technical support.



LIST PRICE

€1 549.00 excl. of VAT

INDEX 800 100 115

CDIF/3 EXPERT KIT

SERIAL DIAGNOSIS, MEASUREMENT AND CONTROL FUNCTIONS

- ▶ CDIF/3 EXPERT diagnostic interface.
- ▶ Software, including operating instructions, USB cable.
- ▶ Adapter J1962 16-pin.
- ▶ Power supply cable for the oscilloscope, generator and controller.
- ▶ Basic set of measuring and control cables: two measuring cables of 1.5m in length with probe and two crocodile clips.
- ▶ Tool bag.
- ▶ Tablet included!
- ▶ Free lifetime warranty!¹
- ▶ 12-month free subscription and technical support.



LIST PRICE

€1 999.00 excl. of VAT

INDEX 700 100 055

NEX KIT

SERIAL DIAGNOSIS

- ▶ NEX diagnostic interface.
- ▶ Software, including operating instructions, USB cable.
- ▶ Adapter J1962 16-pin.
- ▶ Tool bag.
- ▶ Tablet included!
- ▶ Free lifetime warranty!¹
- ▶ 12-month free subscription and technical support.



LIST PRICE

€1 490,00 excl. of VAT

INDEX 700 400 025



FREE lifetime warranty¹



6-month FREE subscription



Technical support



FREE tablet!

¹ Continuous, uninterrupted subscription from the time of purchase is the basis for obtaining the lifetime warranty.
* VAT rate 0% - for buyers with an EU VAT number or for sales outside the EU.

CDIF/3 SUBSCRIPTION 12 MONTHS



Entitlement to
lifetime warranty¹



Technical
support



Software updates
for 12 months

LIST PRICE **€350.00** excl. of VAT

INDEX 800 000 057

CDIF/3 UPGRADE TO CDIF/3 EXPERT VERSION

Each CDIF/3 diagnostic tool can be upgraded to EXPERT version anytime. With the upgrade, you get access to a high-quality digital oscilloscope, actuators controller and signal and voltage generator.

The price includes:

- ▶ Upgrade of the CDIF/3 to the EXPERT version.
- ▶ Power supply cable.
- ▶ Basic set of measuring and control cables.



LIST PRICE **€599.00** excl. of VAT

INDEX 200 100 265

HARNESS 80NBR

The harness is suitable for both CDIF/3

It is made of thick rubber to provide the device with extra protection against accidental falls.



LIST PRICE **€24.00** excl. of VAT

INDEX 600 100 285

REINFORCED HOUSING FOR NEX

The special shape and anti-slip texture of the silicone housing prevent the tool from slipping out of your hands.



LIST PRICE **€28.00** excl. of VAT

INDEX 000 400 015

NEX BAG

Size: width: 31 cm, height: 22 cm, depth: 14 cm.

Tool bag for accommodating NEX and a complete set of basic adapters. Additionally, it fits a tablet or laptop with a screen size of 10" or less.



LIST PRICE **€40.00** excl. of VAT

INDEX 600 400 125

CDIF/3 BAG

Size: width: 31 cm, height: 22 cm, depth: 14 cm.

Tool bag for accommodating CDIF/3 or CDIF/3 EXPERT and a complete set of basic adapters. Additionally, it fits a tablet or laptop with a screen size of 10" or less.



LIST PRICE **€40.00** excl. of VAT

INDEX 200 100 265

¹ Continuous, uninterrupted subscription from the time of purchase is the basis for obtaining the lifetime warranty.
* VAT rate 0% - for buyers with an EU VAT number or for sales outside the EU.

J1962 ADAPTER EOBD

For diagnosis of vehicles equipped with standard 16-pin J1962 connector.



LIST PRICE

€55.00 excl. of VAT

INDEX 200 100 135

POWER SUPPLY CABLE

Cable included as standard equipment to the EXPERT kit, for direct connection to CDIF/3 EXPERT socket.



LIST PRICE

€35.00 excl. of VAT

INDEX 500 100 125

UNIVERSAL ADAPTER

Adapter for serial diagnosis in vehicles with a non-standard data link connector.



LIST PRICE

€40.00 excl. of VAT

INDEX 100 100 235

MERCEDES 14-PIN ADAPTER

For diagnosis of Mercedes Sprinter and VW LT models equipped with a 14-pin connector.



LIST PRICE

€70.00 excl. of VAT

INDEX 000 100 205

BMW ADAPTER

For diagnosis of BMW vehicles manufactured before 2000, equipped with the round 20-pin connector.



LIST PRICE

€70.00 excl. of VAT

INDEX 600 100 155

MERCEDES 38-PIN ADAPTER

For diagnosis of Mercedes vehicles equipped with a 38-pin connector.



LIST PRICE

€75.00 excl. of VAT

INDEX 000 100 175

PSG5 ADAPTER

Adapter for diagnosis of injection pumps with PSG5 control units and adaptation of PSG5 injection pumps in Ford vehicles.



LIST PRICE

€80.00 excl. of VAT

INDEX 700 100 215

KIA ADAPTER

Adapter for diagnosis of Kia vehicles equipped with a 20-pin connector.



LIST PRICE

€55.00 excl. of VAT

INDEX 500 100 255

IVECO ADAPTER

Adapter for diagnosis of Iveco vehicles equipped with a 38-pin connector.



LIST PRICE

€75.00 excl. of VAT

INDEX 800 100 245

RENAULT ADAPTER

For diagnosis of Renault vehicles equipped with a 12-pin connector.



LIST PRICE

€55.00 excl. of VAT

INDEX 700 100 185

FIAT ADAPTER

For serial diagnosis of FIAT, Alfa Romeo and Lancia vehicles.



LIST PRICE

€40.00 excl. of VAT

INDEX 400 100 225

OPEL ADAPTER

For diagnosis of Opel vehicles equipped with the older 10-pin connector.



LIST PRICE

€55.00 excl. of VAT

INDEX 900 100 145

CITROEN/PEUGEOT ADAPTER

For diagnosis of PSA group vehicles equipped with a 30-pin connector.



LIST PRICE

€75.00 excl. of VAT

INDEX 400 100 195

L I F E T I M E



WARRANTY¹

DEVELOP BY



POLAND

¹ Continuous, uninterrupted subscription from the time of purchase is the basis for obtaining the lifetime warranty.

CDIF/3 DIAGNOSTIC SYSTEM

CDIF/3 interface is a universal tool that helps to minimize costs, optimise and speed up the work of your automobile repair shop. The device holds a great development potential for the years to come, therefore it is to be considered a safe investment in the workshop equipment.

The development of CDIF/3 diagnostic system is attributed not only to a dedicated team of specialists in the fields of mechanics and IT, but also to a large number of users whose comments and feedback affect the content added to or enhanced in the software.

The cooperation resulted in creating a device that is valued for its universality and mobility. The diagnostic

tool works both with desktop computers and tablets using Android operating systems, enabling diagnosis under all working conditions.

The CDIF/3 system is the most frequently updated diagnostic system in Poland. We add new vehicle makes and models in the software every other month.



TFT TOUCH SCREEN DISPLAY

Each device is equipped with a 4.3" touch screen display which allows the user to take advantage of the basic diagnostic functions without the need of connecting a computer and is easy and intuitive to use.

BUILT-IN WIFI ANTENNA

Built-in WiFi antenna offers an excellent operating range in both enclosed rooms and open areas. The n standard support ensures fast and reliable communication!

INTUITIVE MARKINGS

Connecting the device has never been easier! CDIF/3 has only two connection ports: a USB port for connection to the computer (if WiFi is not used) and a diagnostic link connector for connection to the vehicle.



ANTI-THEFT LOCK

CDIF/3 and CDIF/3 EXPERT both come with a security slot conforming to Kensington Lock® standard, enabling the use of popular and accessible anti-theft devices. The lock can be used to attach the CDIF/3 to a workshop trolley or table to secure the device against theft.

VERSATILITY

The controller, oscilloscope and generator tools are available on 6 intelligent connectors with the ability to change their functionality according to user's requirements. There will be no more cable clutter and the connection and operation of the CDIF/3 EXPERT is so much easier.

THREE HIGH-QUALITY TOOLS

Beside the standard functionality of the CDIF/3, the CDIF/3 EXPERT offers three extended tools – the controller, oscilloscope and generator. This allows the CDIF/3 EXPERT users to have one universal device instead of three separate tools.

ERGONOMIC DESIGN

Thanks to its ergonomic design, the CDIF3 fits securely in hand and is convenient to use. Robust, aluminium housing is resistant to harsh working environment of an automobile repair shop.

UNIVERSAL CONNECTOR

One universal port allowing to use a whole range of extensions compatible with the most popular car makes. Extensions offered by AXES System are made from top quality materials and can be used for many years.

NEX

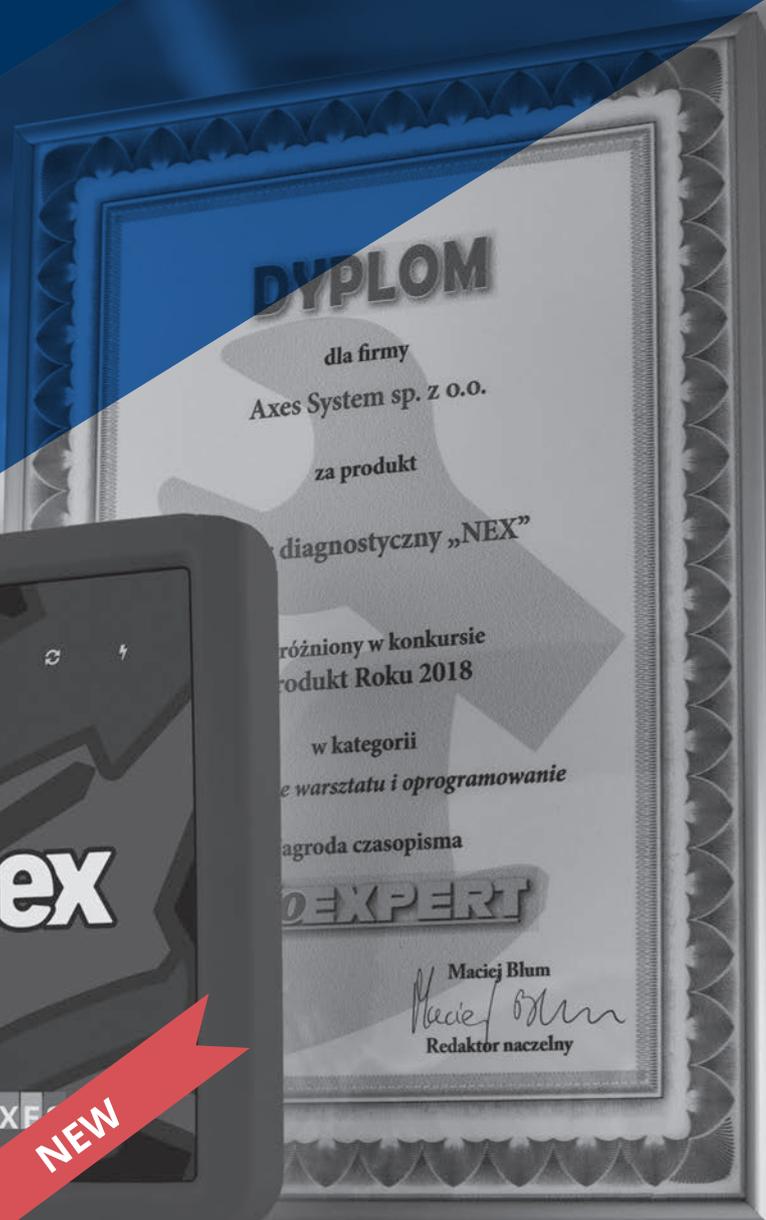
Meet NEX – a combination of all the best and most needed features of a diagnostic tool.

NEX meets a car mechanic's expectations by enabling full diagnostics of both latest car models and also older vehicles. Do you need comprehensive and user-friendly processing of fault codes, operating parameters, activation of actuators, codings or adaptations? Do you prefer a USB cable connection or would like to use WiFi or Bluetooth? NEX offers all those options in the standard version.

The light and handy structure of the tool provides convenience and mobility at work, and the silicone housing makes it fall and damage proof.

The new tool operates with the CDIF/3 software, well-known and appreciated by car mechanics. It is also fully compatible with CDIF/3 accessories.

Buying NEX, you choose a system that comes with excellent technical support and a subscription, the cost of which is among the lowest of those available in Europe. You also ensure to get frequent and comprehensive software updates.



DUAL-BAND WIFI

The new generation WiFi antenna provides an even greater range and convenience of working almost anywhere.

FULL COMPATIBILITY

The diagnostic tool is compatible with CDIF/3 software and accessories.



SILICONE HOUSING

The light and handy design provides convenience and mobility at work. The flexible housing protects against falls and damage.

BLUETOOTH

With this module, you can easily perform car diagnostics using a tablet or laptop, away from the vehicle.

BUILT-IN FLASH MEMORY

The built-in flash memory allows you to save reports containing the most important data, which you can later print out and compare with previous readings.

SERIAL DIAGNOSIS FUNCTIONS

CDIF/3, CDIF/3 and NEX allows you to perform full diagnostics as enabled by a given system.

Serial diagnosis is currently the basic method of vehicle diagnosis. It is done by plugging a diagnostic connector to a vehicle and establishing communication with the control computer.

CDIF/3 provides a simple way to exchange adapters and to diagnose possible problem areas in almost any vehicle, both old and new. This way, the user receives the most relevant information on how the system works, and what are its problems and faults.

Serial diagnosis enables:

- readout of diagnostic trouble codes (DTCs), together with their description,
- clearing of DTCs,
- viewing of live data,
- codings,
- activations,
- adaptations,
- and more.



HOW DOES IT WORK?

STEP 1

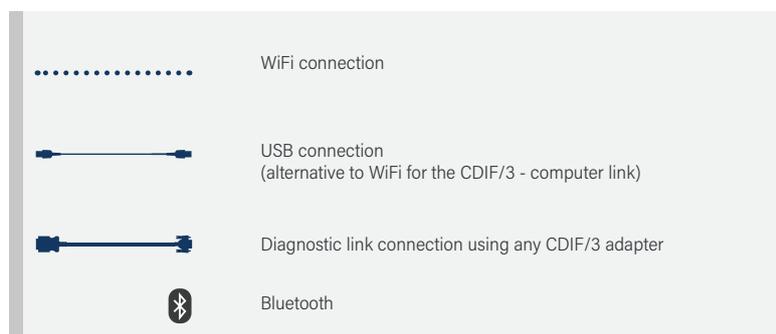
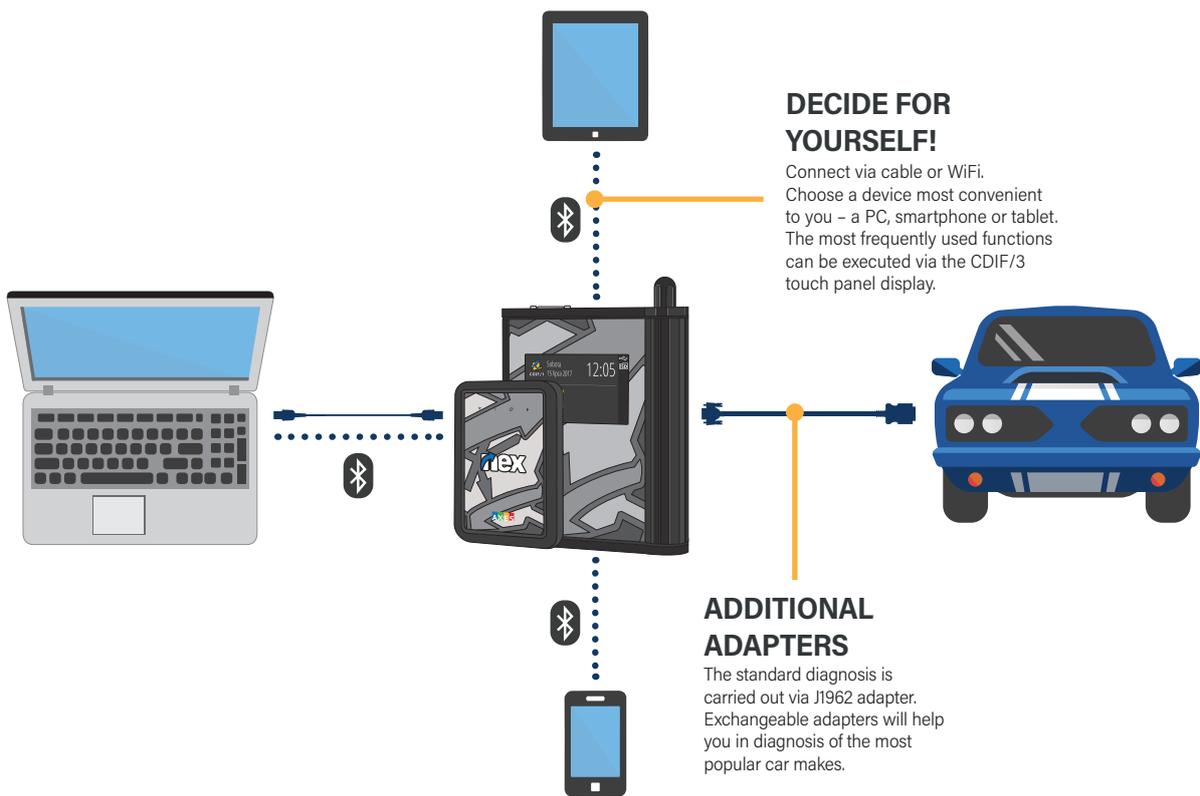
Connect a tablet, laptop or smartphone.

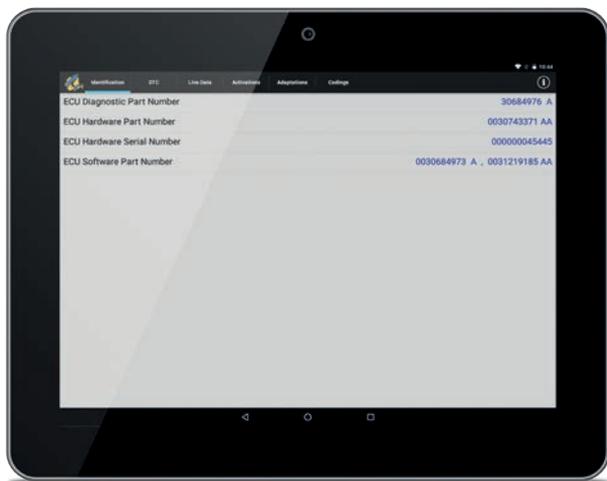
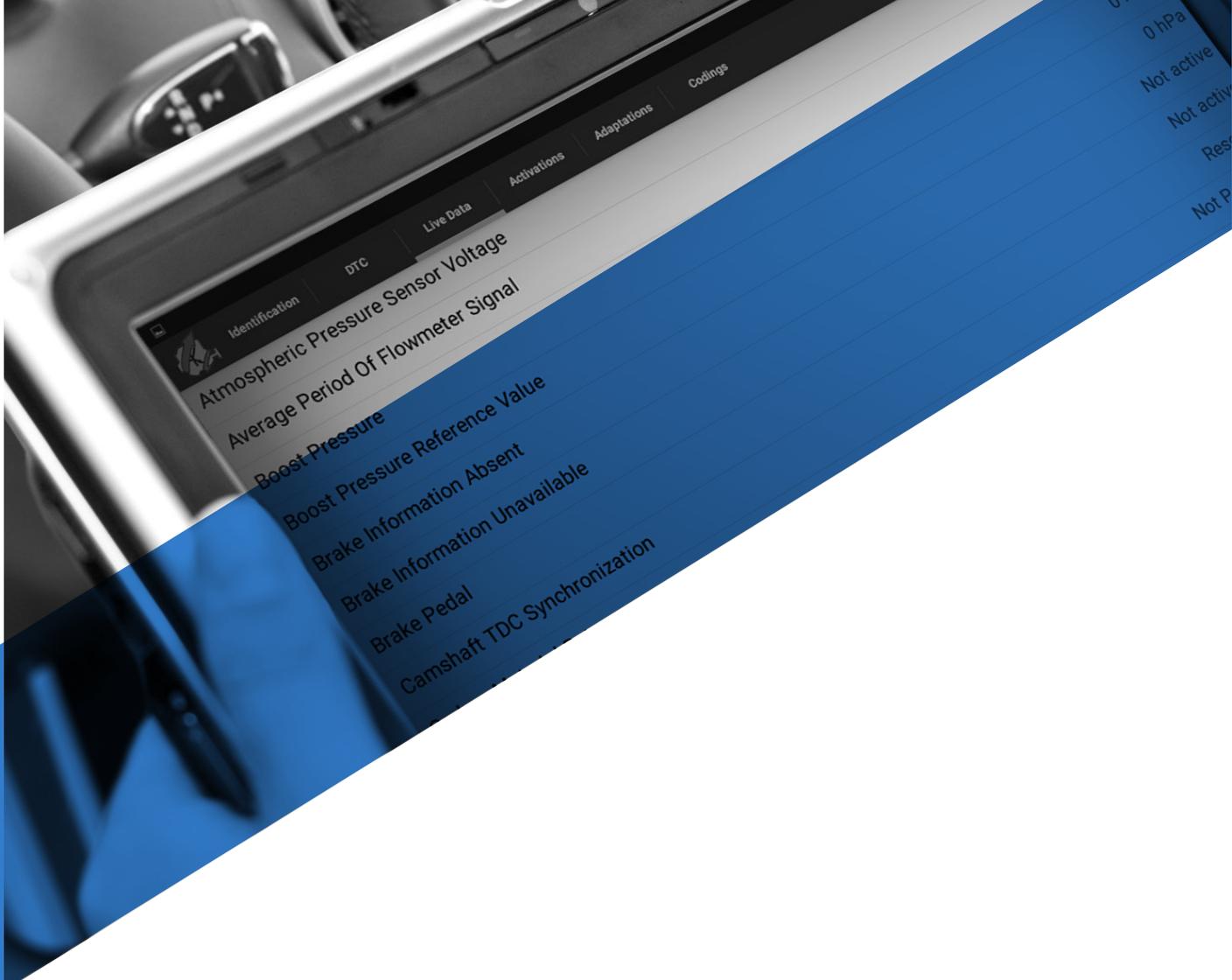
STEP 2

Connect to vehicle via OBD socket or other using an adapter.

STEP 3

READY!



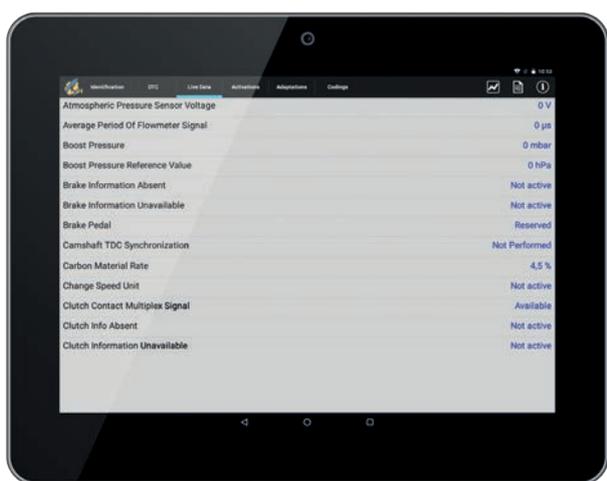


IDENTIFICATION

Enables insight into various information about the diagnosed system.

With this function it is possible to:

- select spare parts based on ECU data,
- verify the correct component selection,
- evaluate the presence of specific elements of equipment.



LIVE DATA

CDIF/3, CDIF/3 EXPERT and NEX enables an ongoing observation of the working parameters both in form of a reader-friendly table containing current data and in form of a graph indicating changes in those parameters (values) in time.

With this function it is possible to:

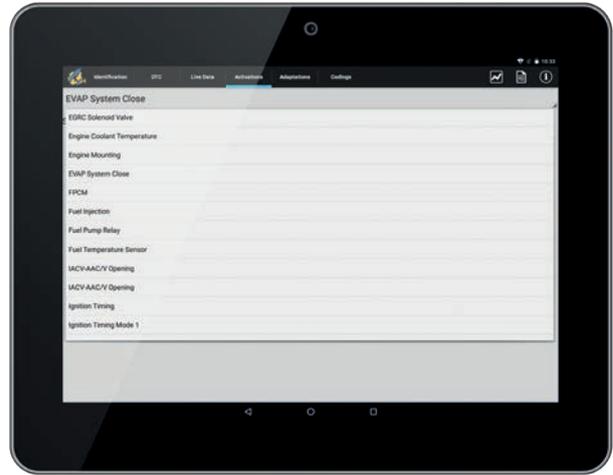
- view and observe all possible parameters at the same time,
- select only the relevant parameters,
- export parameter lists to different types of documents for future reference.

ACTIVATIONS

Activations are used to actuate a specific component in order to check how it operates.

The function enables, among others:

- ignition, injection system, valve control tests,
- electronic components tests.

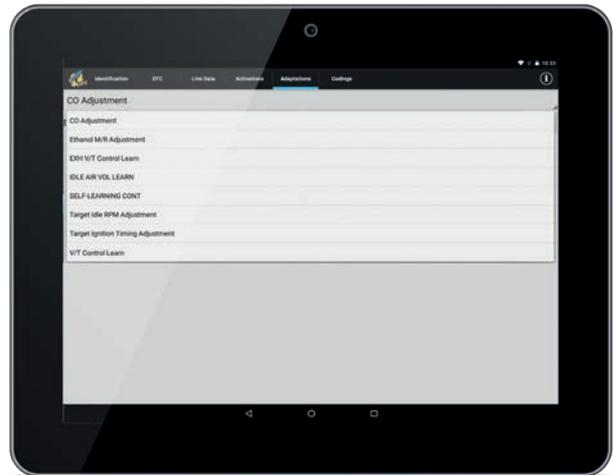


ADAPTATIONS

CDIF/3, CDIF/3 EXPERT and NEX offers fast and easy-to-use system control functions.

The function enables, among others:

- oil change indicator reset,
- idle speed setting,
- fuel quantity adjustment,
- throttle calibration.

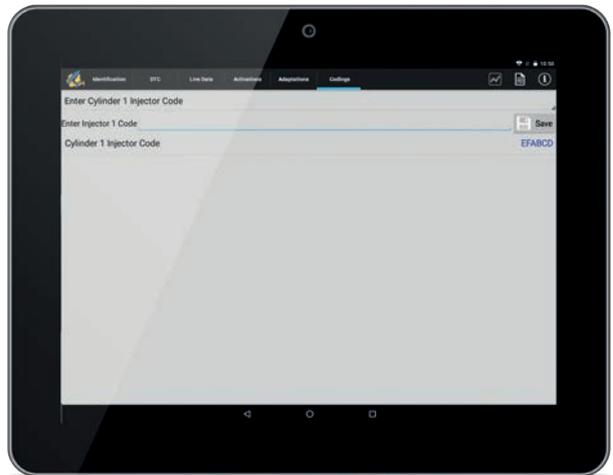


CODINGS

Codings enable the modification of control unit settings, i.e. switching particular functions on/off, customizing options according to car equipment or model etc.

The function enables, among others:

- injector coding,
- DPF soot particles combustion,
- airbag configuration change,
- transmission type adaptation,
- engine operation mode.

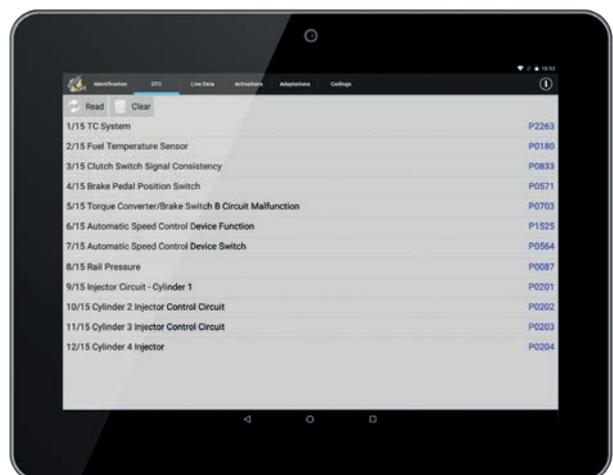


DIAGNOSTIC TROUBLE CODES

The function is used to read and clear diagnostic trouble codes (DTCs) occurring and stored in the course of system operation.

With this function it is possible to:

- obtain information on the presence of faults in the diagnosed vehicle,
- find out, if a DTC is present at the moment, or was stored in the past,
- speed up the diagnosis, as the system provides information on symptoms to facilitate troubleshooting.



MEASUREMENT AND CONTROL FUNCTIONS

CDIF/3 EXPERT is an extended version of CDIF/3. Beside standard functionalities, EXPERT offers three practical and useful tools: a 10-channel oscilloscope, signal and voltage generator and actuators controller.

New users can purchase the EXPERT version of the CDIF/3. The old users of the CDIF/3 can upgrade their device to EXPERT version by installing a special module inside the diagnostic system.

CDIF/3 EXPERT is indispensable where the standard serial diagnosis does not suffice. It allows the auto repair shop to extend the range of its services by ensuring effective diagnosis of both older and new car models.



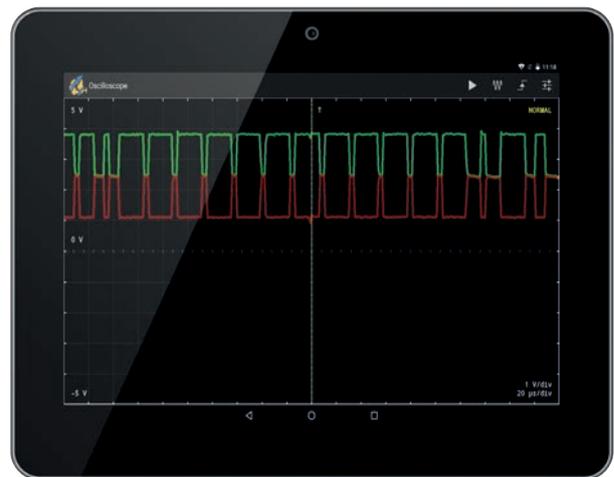


OSCILLOSCOPE

The oscilloscope of the CDIF/3 EXPERT is a multi-channel device offering a wide range of time bases and measured voltages.

Main advantages:

- 10 oscilloscope channels,
- Wide range of time bases,
- Wide range of measured voltages,
- Impedance of 1M Ω /50pF ensures full compatibility with various accessories like current clamps etc.

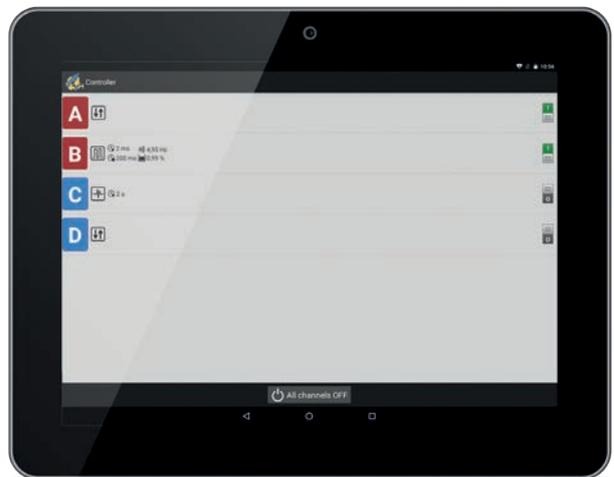


CONTROLLER

The controller of the CDIF/3 EXPERT offers three control outputs for actuators and one output for ignition systems control.

Main advantages:

- Outputs with current output of up to 30 A,
- Operation both in "ground connection control" and "positive supply control" mode,
- Two oscilloscope channels are assigned to each individual controller output,
- The user can both control the selected component and watch the resultant signal on the oscilloscope's screen at the same time.



GENERATOR

CDIF/3 EXPERT provides the user with two outputs designed to generate accurate direct and alternating signals.

Generator characteristics:

- Two generator outputs: Channel D (to generate accurate signals), Channel F (power supply for sensors or other circuits working under non-standard voltage),
- Wide range of Channel F - 0V to 25 V at up to 5 A,
- Manual signal correction option,
- Ready-to-use signals: sine, rectangular, triangular, random, DC voltage.



ADDITIONAL FUNCTIONS

CDIF/3 improves and streamlines the activity of a garage/auto repair shop, as it offers tools to manage and organise work in a systemic way.

All information about a specific car of a specific customer, its repair and trouble history can be made available to a car mechanic in one place.

CDIF/3 enables access to this comprehensive information about the customer's vehicle with only a few clicks: information on repairs, faults detected and matching parts is collected there.

The CDIF/3 system does not contain any traditional information system like, for example, schemes. The user has a free hand in selecting the required service literature. This does not mean, however, that CDIF/3 is not provided with information useful for diagnosis of on-board systems.

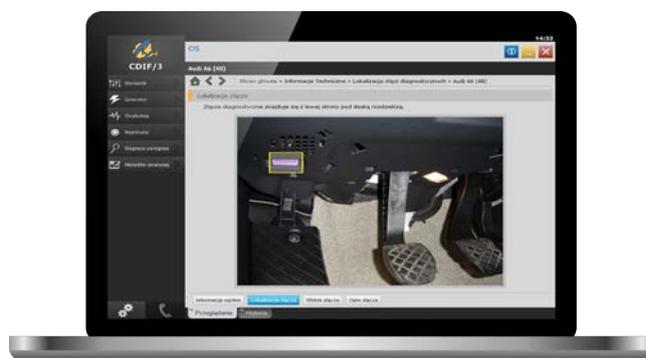


CIS TECHNICAL INFORMATION SYSTEM

CDIF/3 contains technical information useful for vehicle diagnosis.

The database contains, among others:

- locations of diagnostic connectors, their design and received signals,
- images of diagnosed car models,
- service reminder reset instructions,
- diagnosis tutorials.



SERVICE MANAGER

Helps you manage the work in your garage/car repair shop on your own.

Most important features include:

- Calendar to plan the work of your garage/repair shop,
- Customer database to keep and maintain customer's data, job orders and reports,
- Vehicle database to store customer's vehicle data after diagnosis for future reference,
- Option to create repair job orders for individual vehicles, to view repair history and print out reports.



TECHNICAL INFORMATION DATABASE

CIS Information System can be extended with Technical Information from one of the leading data suppliers – Autodata from the UK.

The database contains, among others:

- technical data and control values,
- ECU information,
- ABS diagnosis,
- diagnostic trouble codes including trouble code search tool,
- component locations,
- air conditioning systems data,
- wiring diagrams.



FUNCTIONS COMPARISON



	CDIF/3 NEX	CDIF/3	CDIF/3 EXPERT
READOUT AND RESET OF DTCs	✓	✓	✓
LIVE DATA READOUT	✓	✓	✓
ACTIVATIONS	✓	✓	✓
ADAPTATIONS	✓	✓	✓
CODINGS	✓	✓	✓
DATA RECORDER	✓	✓	✓
TECHNICAL INFORMATION	✓	✓	✓
SERVICE MANAGER	✓	✓	✓
FUNCTIONAL TOUCHSCREEN	✗	✓	✓
WIFI	✓*	✓	✓
BLUETOOTH	✓	✗	✗
OSCILLOSCOPE	✗	✗	✓
GENERATOR	✗	✗	✓
CONTROLLER	✗	✗	✓

*Built-in dual-band WiFi – 2.4 GHz and 5 GHz

TECHNICAL DATA

ENVIRONMENTAL CONDITIONS

Operating temperature	-20°C ~ +60°C
Relative humidity	5% ~ 95% (without condensation)
Protection degree	IP30
Housing	Aluminium (CDIF/3 and CDIF/3 EXPERT) Plastic (NEX)

POWER SOURCE

Power source	Diagnostic link connector, USB port, power socket ⁷
Supply voltage ¹	5 ~ 35V DC
Current consumption	typ. 0.3 A at 13.8 V, max. 2A

DIAGNOSIS

Basic standards and protocols	ISO9141, ISO9141-2, ISO14230, ISO15765, ISO11898, J2411, GMW3089, J1850 VPW, J1850 PWM, J1708, J2740, J2809, J2818, J2819, J253
Support of non-standard protocols	Yes
24 V operation	Yes
Accessory connector	26-pin, compatible with CDIF/2 multiplexer extensions
Multiplexing	Full (each signal over each pin)

DISPLAY (DOES NOT APPLY TO NEX)

Type	TFT colour display with touch panel
Screen	Matte with anti-reflective coating
Colour range	262 thousand
Diagonal screen size	4.3" (95 mm x 54 mm)
Resolution	480 x 272
Backlight	LED
Touch panel	Resistive, suitable for gloved-hand operation, or operation with any stylus etc.

SOFTWARE

Supported operating systems	Android, Windows XP SP3, Windows Vista, Windows 7 (32/64-bit), Windows 8 (32/64-bit), Windows 10 (32/64-bit)
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CONTROLLER⁶

Three independent outputs with defined control level („+“/“-“)	
Current-carrying capacity	up to 30A/channel ³
Connection socket	4mm (so-called banana connector)
Basic control modes	„ON/OFF“, „Single pulse“, „Pulse sequence“, „PWM control“

Functionality

Advanced control modes to facilitate control of stepper motors, three-phase motors, petrol injectors, valves, DC motors, etc.
Pulse-duration modulation or pulse-width modulation of signals from oscilloscope input or with serial diagnosis parameters using free definable scaling functions
Synchronous or asynchronous channel operation
Overtoltage, short circuit, overtemperature and overload protection of outputs
Definable overload protection for each output separately

OSCILLOSCOPE⁶

Features common for each channel

Sampling	2.4MSPS/channel
Buffer	up to 32K
Time base	10µs/div up to 10min/div
Measuring range	5mV/div up to 2kV/div ⁴

Two standard BNC inputs

Coupling	direct current (DC) or alternating current (AC)
Waveband	1MHz
Impedance	1MΩ/50pF
Max. voltage	±200Vpp

Three additional channels for voltage observation at controller's outputs.
Three additional channels for current observation at controller's outputs..
Two additional channels for signal observation at generator's outputs.
One additional channel for battery voltage observation.

Functionality

Advanced operation, display and triggering modes.
Triggering from measured signal or from parameter/event of the serial diagnosis.
Option of simultaneous observation of signals in all or only selected channels.
Possibility to display signals in any physical units using free definable scaling functions.

GENERATOR⁶

One small-signal, precise channel (for sensor emulation)

Output voltage	-2.5V to +2.5V
Current-carrying capacity	up to 50mA
Coupling	direct current (DC) or alternating current (AC)
Sampling	1MSPS
Buffer	BNC ⁵
Connection socket	4mm (so-called banana connector)

One high-power channel (for power supply or control)

Output voltage	0V to +25V
Current-carrying capacity	programmable, from 0A to 5A
Sampling	1MSPS
Buffer	up to 32K
Connection socket	4mm (so-called banana connector)

Functionality

Direct Digital Synthesis (DDS).
Both channel can operate in asynchronous (separate settings for each channel) or synchronous mode (common settings for both channels).
Ability to generate signals of any shape (arbitrary generator).
Built-in library of reference signals, allowing for addition of one's own signals including those recorded with oscilloscope.
Ability to generate signals previously recorded with oscilloscope.
Automatic operation, triggered operation or operation synchronised by signal from BNC outputs of oscilloscope or parameter/event of the serial diagnosis.

1. When using the USB port. The supply voltage for wireless operation may not be lower than 6V.
2. The range may be smaller or greater depending on the local conditions and parameters of the device connected.
3. The aggregate current of all channels may not exceed 60A.
4. Range above 20V/div available for divider probes and high voltage probes.
5. Output shared with the input of the second oscilloscope channel.
6. The controller, oscilloscope and generator module is available in the CDIF/3 EXPERT version or after upgrade of the basic CDIF/3 version to EXPERT version.
7. Applies to CDIF/3 EXPERT.

Manufacturer:



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