Manuals+ — User Manuals Simplified.

ELPROSYS DiagProg4 Professional Diagnostic Tester Instruction Manual

DIAGPROG4 DIAGNOSTIC TESTER

Diagnostic tester
Instruction Manual
Software

Contents

LEGAL RESERVATIONS AND AGREEMENT OF USE

Once the Diagprog4 device is switched on user should select a language from the list of the supported languages. Language selection will result in the change of language in the entire menu.

User should review LEGAL RESERVATIONS and AGREEMENT OF USE. By selecting the Agree – accept button

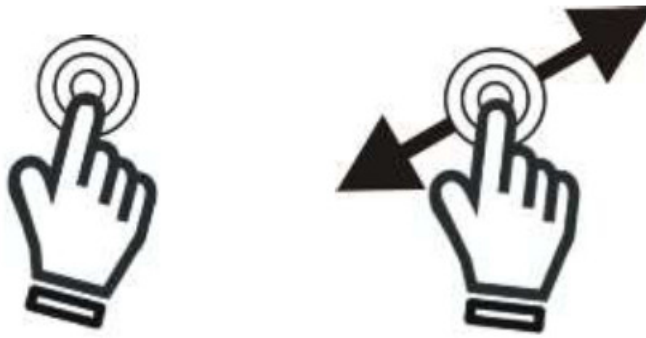user accepts AGREEMENT OF USE and the Diagprog4 device will switch on.

It is necessary to accept AGREEMENT OF USE each time device is switched on.

MENU NAVIGATION (MULTI-TOUCH SCREEN)

Simple gestures — tapping or pressing with fingers — is enough to select menu options.

In order to navigate the menu using the keypad press Accept button to activate it and fully use the keypad.

 - Accept, - Cancel, - Top, - Bottom

MAIN SCREEN

To navigate the main screen please use main screen icons or top/bottom buttons on the keypad.

MAIN SCREEN ICONS

ICONS	FUNCTION	
	Cars	Selection of a car model
	Motorbikes	Selection of a motorbike model
	Other	Selection of a quad, scooter, tractor model
	Tools	Basic Tools
	Setup	Basic Setup
	Information	Information about Diagprog4
SPEC	Special programs	Runs special/diagnostic functions
VIN	VIN programs	Read the car's VIN number. Car selection based on VIN number.
	Accept Icon	Allows to accept
	Cancel Icon	Allows to cancel
	Top Icon	Allows to **MOVE UPWARDS** in the menu
	Bottom Icon	Allows to **MOVE DOWNWARDS** in the menu

KEYPAD

The keypad below the multi-touch screen is another way to navigate the DiagProg4 menu.

KEYPAD – BUTTONS

BUTTONS	FUNCTION	
ⓞ	Accept Button	Button to ACCEPT
ⓧ	Cancel Button	Button to CANCEL
⌐	Top Button	Button to MOVE UPWARDS in the menu
⌐	Bottom Button	Button to MOVE DOWNWARDS in the menu

MENU ICONS – DESCRIPTION

Example of MENU

	DIAGNOSTICS		EEPROM READ/WRITE
	SERVICES – ADVANCED EDITING		FLASH READ/WRITE
	DIAGNOSTICS AND REPAIR OF CAR MODULES		ADVANCED DIAGNOSTIC FUNCTIONS
	IMMOBILIZER		FUNCTIONS FOR ADVANCED USERS
	CLEAR CRASH DATA		

MENU ICONS – description

DIAGNOSTICS	Automotive diagnostics e.g. read and clear trouble codes DTC, service, module identification.
SERVICES – ADVANCED EDITING	Service inspection – reading, writing, editing
DIAGNOSTICS AND REPAIR OF CAR MODULES	Option diagnostics and repair of car modules
IMMOBILIZER	Immobilizer
CLEAR CRASH DATA	Clearing accident data
EEPROM READ/WRITE	Reading and writing EEPROM content
FLASH READ/WRITE	Reading and writing FLASH content
ADVANCED DIAGNOSTIC FUNCTIONS	Advanced diagnostic functions
FUNCTIONS FOR ADVANCED USERS	Functions for advanced users

SETUP

SETUP MENU FEATURES

ICON	DESCRIPTION
ACTIVE TECHNICAL SUPPORT	Provides access to all data sent automatically to seek active technical support
DEFAULT SETTINGS	Restoring the device to the original state once initially used
DOWNLOAD UPDATE/ ACTIVATION	Allows users to check for new updates/ activations
INFORMATION	Information about DiagProg4
LANGUAGE	Menu language selection: Polish, English, German, French, Italian, Spanish, Portuguese, Brazilian
MAINTENANCE	File synchronization between device and files on the server
OBDII/VOLTAGE TEST SETTINGS	Power supply to the connected module and OBDII connector
OTHER SETTINGS	Settings modification: e.g. contrast, volume
POWER SAVING	Switch ON/OFF screensaver
SECURITY	DiagProg4 additional security measures
TESTS	Tests available for the user
WIFI SETTINGS	WIFI settings modification

SUBMENU INFORMATION

ABOUT DIAGPROG4	
CONTROL NUMBER	
DATE/TIME	
DEVICE LIMITS	
AGREEMENT OF USE	
IMPORT DP3 LICENSES	
OPEN-SOURCE LICENSE	

ABOUT DIAGPROG4	Information about DiagProg4
CONTROL NUMBER	Used for registration in customer zone at www.diagprog4.com
DATE/TIME	Information about date and time
DEVICE LIMITS	Information about DiagProg4 limits
AGREEMENT OF USE	Information about DiagProg4 Agreement of Use
IMPORT DP3 LICENSES	Allows to transfer all active programs from Diagprog3 to Diagprog4
OPEN-SOURCE LICENSE	Information about Open-Source license DiagProg4

SUBMENU TESTS

TESTS

EXTERNAL INTERFACE TEST

CHECK SDHC CARD FAT32 SYSTEM

MULTIPLEX TEST

EXTERNAL INTERFACE TEST	External interface test
CHECK SDHC CARD FAT32 SYSTEM	Micro SDHC card compatibility with FAT32 system test
MULTIPLEX TEST	MULTIPLEX test

TOOLS

ICON	DESCRIPTION
CAN ANALYZER (Internal use only)	Programs For Internal Use Only
CAN PLAYER (Internal use only)	Programs For Internal Use Only
CAN TERMINATION CONTROL	Enables/ disables High Speed CAN Termination
DOWNLOAD UPDATE/ ACTIVATION	Allows users to check for new updates/ activations
EEPROM PROGRAMMER	Write EEPROM memory
EXTERNAL UNIT POWER	Power supply to the connected module
HEXEDITOR	File editing in hexadecimal system
J1850 ANALYZER (Internal use only)	Programs For Internal Use Only
K-L ANALYZER (Internal use only)	Programs For Internal Use Only
MICROCONTROLLER PROGRAMMER	Write FLASH + EEPROM
RESTART DIAGPROG4	Immediate restart in order to reload the operating system
RESTORE THE BACKUP MODULE	Restore backup file saved on SD card
SENDING LOG FILE	Send *.LOG file to ElproSys server for technical support
SUPPORT SCRIPT	Runs support script prepared for the user by the technical support team
UDS COMMUNICATION CONTROL	Enables/ disables UDS communication
UNIT CALCULATOR	Enables metric conversion

MENU – SUBJECT OF PROGRAMMING

Menu – Subject of programming can be Menu for CARS, MOTORBIKES, and OTHER VEHICLES.

EXEMPLARY PROGRAMMING MENU

EXEMPLARY PROGRAMMING

Exemplary programming of Alfa Romeo \ 146/146 \ ST5249

MENU FOR BRAND SELECTION

ACURA	
ALFA ROMEO	
ASTTON MARTIN	
AUDI	
BENTLEY	
BMW	
BRILLIANCE	
CHRYSLER	
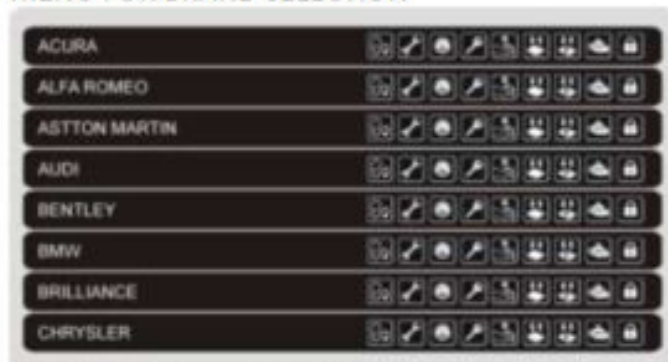
MENU FOR MODEL SELECTION

145/146	
155/164	
147	
156	
159	
166	
BRERA	
GULIETTA VDO - OBDII	

MENU FOR MODULE SELECTION

ST6249	
Motorola 64 PIN QFP	

MENU FOR THE TYPE OF PROGRAMMING SELECTION

MENU	

Description: 1   Cable: C18

HW: -   SW: -
ID   -
SW   -
Software: -

BASIC SETTINGS

WIFI settings

Select SETUP [wrench icon], next select WIFI settings from the menu, and connect to a WIFI network.

MAINTENANCE	
LANGUAGE	
WIFI SETTINGS	
DOWNLOAD UPDATE	
LOCK OFWRITING EEPROM	
OBDII/VOLTAGE TEST SETTINGS	
POWER SAVING	
ACTIVE TECHNICAL SUPPORT	
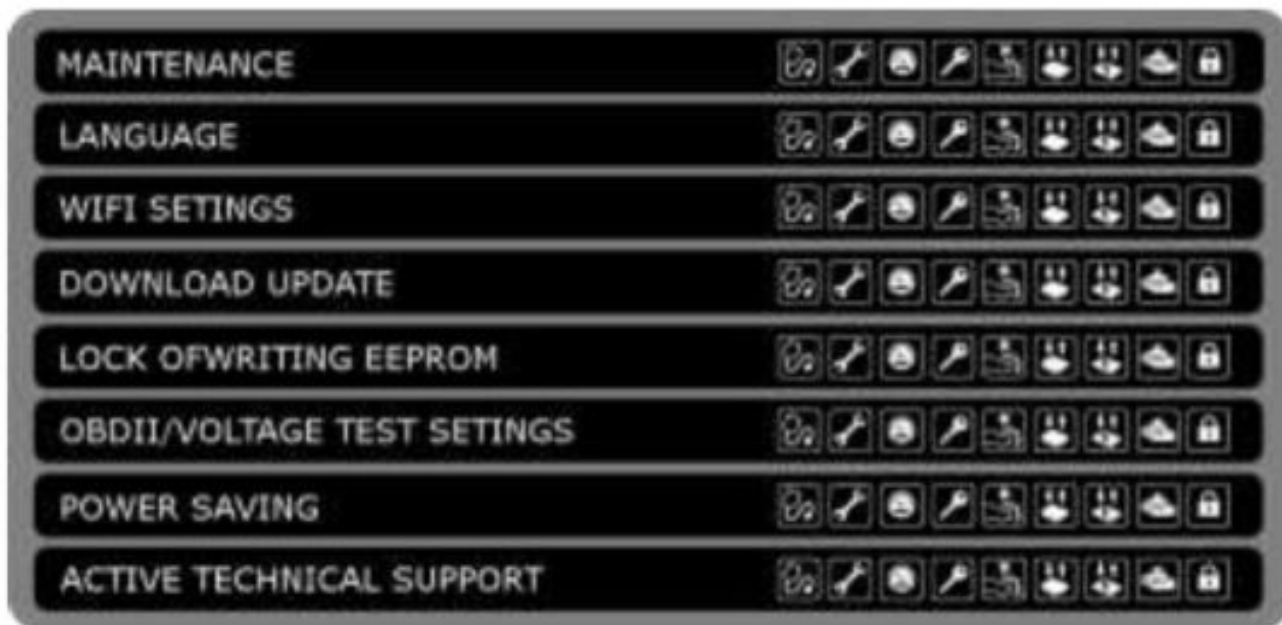
Select the available WIFI network and enter a password.

If the WIFI network connection is correct then information about the network will be displayed next time WIFI SETTINGS are selected until the device

is disconnected from the network.

Information about WIFI enabled by default is stored on an SD card. Without an SD card device will not remember the WiFi network.

LANGUAGE settings

Select SETUP [wrench icon], next select LANGUAGE from the menu, and accept with the OK button.
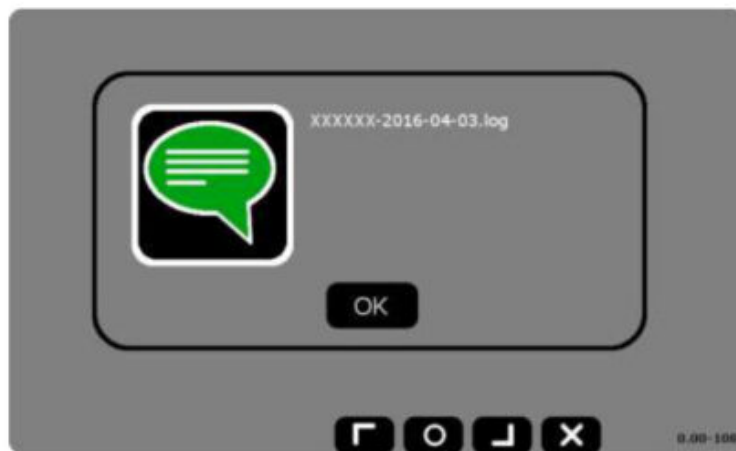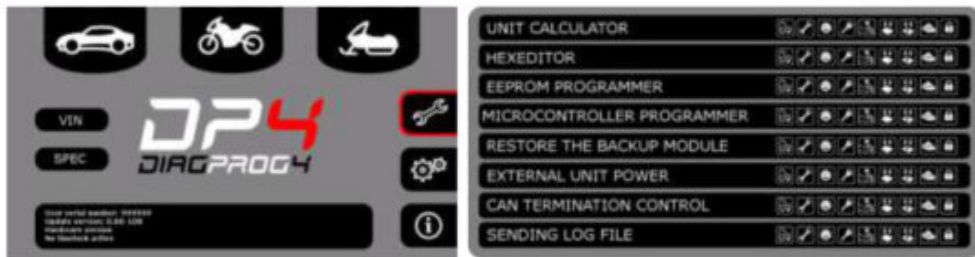
SENDING LOG FILE

If any error occurs during module programming DiagProg4 sends a LOG file to the ElproSys server for **Technical Support.**

SENDING LOG FILES MANUALLY

Select TOOLS , and next select SENDING LOGFILE from the menu.

Sending a LOG file is only possible when the device is within the WIFI network range.
If the LOG file is sent successfully message will be displayed on the screen.

⚠️ LOG file can be sent using dedicated software – DiagProg4 Manager.

DIAGPROG4 MANUAL UPDATE

Connect DiagProg4 to PC via mini USB cable (Linux, Unix, Mac OS, Android, or Windows), it will appear as an additional external drive.


Save the update.pdf file, received directly from ElproSys or its representative in the main folder of the microSDHC card, and restart the device which will be automatically updated.

⚠️ DiagProg4 can be updated using dedicated software – DiagProg4 Manager.

MAINTENANCE

MAINTENANCE enables remote maintenance of the device in order to ensure optimal technical parameters.
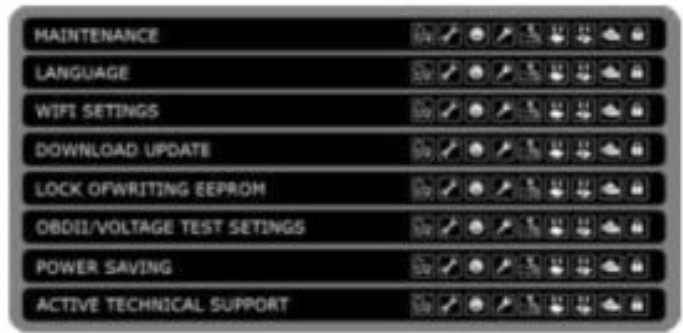
Once the MAINTENANCE option is selected device will automatically run the microSDHC card test and will synchronize files with the Elprosys server. Before you start make sure to:
– insert microSDHC card
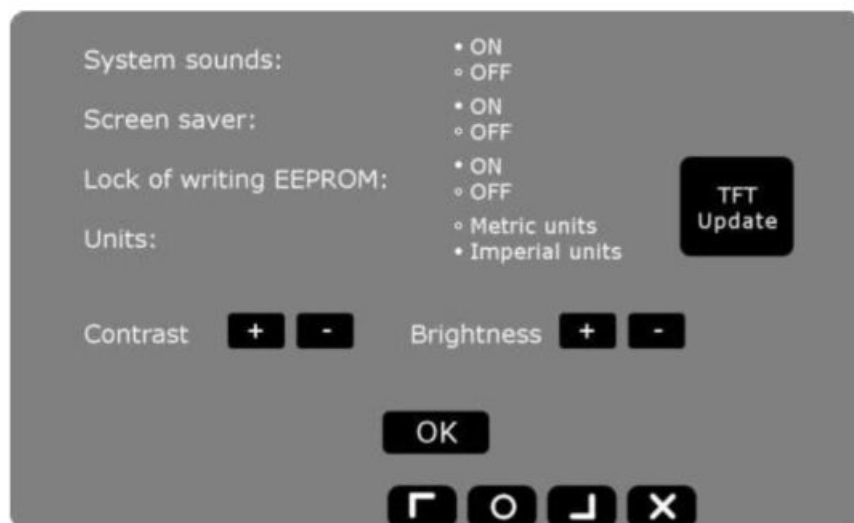– connect DP4 to the WIFI network (Internet)

⚠ File synchronization can be completed using dedicated software – DiagProg4 Manager.

DISPLAY FIRMWARE UPDATE

Display firmware update is downloaded automatically.
The user has to select from the DP4 menu:
SETUP → OTHER SETTINGS → TFT Update
Estimated installation time: around 1 minute

⚠**IMPORTANT:** Do not turn off the power supply before finishing the update.

RESTART DIAGPROG4

If the device screen does not respond to touch, it is possible to restart it to restore its efficiency.

Press and hold buttons ⌐ – up and ✕ – cancel for at least 3 seconds to restart the DiagProg4 device.

DIAGPROG4 MANAGER

DIAGPROG4 MANAGER – PC tool
DIAGPROG4 MANAGER connects DiagProg4 with PC, allowing data synchronization between devices.
Software used to manage devices using PC.

DiagProg4 connection with PC:
It is required to use a mini USB cable supplied by the manufacturer in order to connect DiagProg4 with the PC.
DiagProg4 should be connected to an additional power source.

	Software update	Use this option to download the latest update and activations from the Elprosys server.
	File synchronization	Use this option to download necessary data files (BSI, Flash, etc.) from Elprosys server
	Technical support	Use this option to send data – like LOG file, activation status etc. required to seek technical support
	MicroSD card manager	Use this option to view memory card data
	Info about DiagProg4	Use this option to view device details
	Info about DiagProg4 Manager	Use this option to view information about the DiagProg4 Manager

System requirements:

 Operating system: Windows Vista, Windows 7, Windows 8, Windows 10.
RAM: 1 GB (Recommended)
Free disk space: At least 2 GB (Recommended)
Software requirements: .Net Framework 4.5 or above

DESCRIPTIVE MENU

Some DiagProg4 functions will show additional hints. When a position is selected from the menu device will display an additional descriptive menu. In order to display a hint select a position from the menu, press it and hold it.

RECORD OF CHANGES

Date	Author	Changes
03.03.2016	Czupryna Sylwester	Adding **LEGAL RESERVATIONS** and **AGREEMENT OF USE**

03.03.2016	Czupryna Sylwester	The software number (SN) is displayed on the main screen.
03.03.2016	Czupryna Sylwester	New „**DIAL'** icon replacing the „**VIN"** icon on the main screen
03.03.2016	Czupryna Sylwester	Change in **SETUP MENU —** adding new positions: – **MAINTENANCE– OBDII/VOLTAGE TEST SETTINGS**
03.03.2016	Czupryna Sylwester	Change in **SUBMENU INFORMATION —** adding new positions: – **CONTROL NUMBER** – **AGREEMENT OF USE** – **DP3 LICENSES IMPORT**
03.03.2016	Czupryna Sylwester	– **OPEN-SOURCE LICENSE** Change in **TOOLS MENU —** adding new positions: – **SENDING LOG FILE** – **RESTART DIAGPROG4**
03.03.2016	Czupryna Sylwester	Adding description for option: **SENDING LOGFILE manually**
03.03.2016	Czupryna Sylwester	Adding description for option: **MAINTENANCE**
03.03.2016	Czupryna Sylwester	Adding description for option: **RESTART DIAGPROG4**
03.03.2016	Czupryna Sylwester	Adding description for option: **DESCRIPTIVE MENU**
03.04.2017	Czupryna Sylwester	Change in **TOOLS MENU —** adding new positions: – **DOWNLOAD UPDATE/ ACTIVATION** – **SUPPORT SCRIPT** – **UDS COMMUNICATION CONTROL**
03.04.2017	Czupryna Sylwester	The Hardware version is displayed on the main screen.

03.04.2017	Czupryna Sylwester	Adding additional language: Brazilian
03.04.2017	Czupryna Sylwester	Adding **DISPLAY FIRMWARE UPDATE**
03.04.2017	Czupryna Sylwester	Adding **DIAGPROG4 MANAGER — PC tool**
07.02.2019	Czupryna Sylwester	Display firmware update
20.03.2019	Czupryna Sylwester	Change in the programming menu

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Documents / Resources

	ELPROSYS DiagProg4 Professional Diagnostic Tester [pdf] Instruction Manual DiagProg4, Professional Diagnostic Tester, DiagProg4 Professional Diagnostic Tester

References

- **DiagProg4 diagnostic tester for cars**