

Dear customer!

We would like to thank you for purchasing our product. The TSPro diagnostic tool allows you to find and identify faults in electronic systems in most modern cars.

If you have further questions or comments in connection with the operation of the device, contact your dealer who will be happy to help you solve problems.

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Safety instructions

For your own safety and the safety of others in the workplace, please read the following safety instructions carefully before operating the equipment. The equipment described in this user manual must only be operated by a trained person.

- The device must be protected against falls from a height and other mechanical shocks.
- The device and cabling must not be laid in the immediate vicinity of the car's power supply network. In the event of a sharp electric shock, the device may be destroyed.
- The device must not be used if the connecting cables are damaged.
- The device must not be exposed to dripping or splashing water. The operator must ensure that no liquid enters the device. In case of emergency, disconnect the power supply.
- Do not expose the device to extreme temperatures, use in rooms with high humidity is prohibited.
- The surface of the device must not be cleaned with products that contain solvents (thinners, paint strippers, petrol, etc.), as this may damage the surface.
- The touch screen of the device is prone to mechanical damage. Therefore, never use sharp objects to operate the TS Pro.
- Opening the device and breaking the seal will void the warranty. The seal is located on the back of the device."

Package contents

- *TS Pro Color* diagnostic device
- Connecting cables with connectors and program modules according to the ordered configuration
- Power supply for recharging the internal battery
- Connecting cable to PC
- User guide and warranty certificate

The manufacturer guarantees that all new accessories (such as connecting cables and program modules) will be backward compatible with the device you have just purchased until the end of production. As the product is constantly being improved and expanded, we recommend following the manufacturer's current offer at www.devcom.cz.

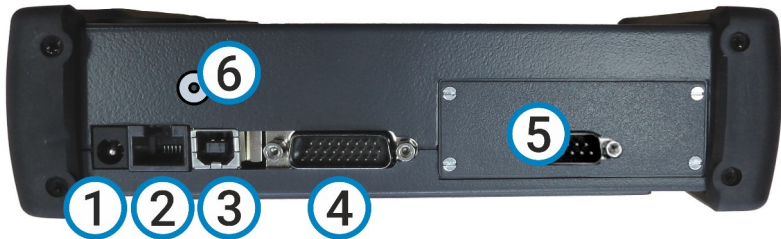
Description of control and indication elements



1. **Rx** and **Tx** communication indication on the diagnostic bus (RX = sending, TX = receiving)
2. **ETH** - indication of TS Pro connection to the computer network
 - LED is lit: TS Pro is connected to the computer network
 - LED flashes: data transfer in progress
3. **CHR** - charging indicator
 - LED is on: the internal battery is being charged
4. **PWR** - status indicator (LED is lit: the device is switched on)
5. **Cursor arrows** - use these keys to move through the menu
6. **Confirm (ON)**
 - switch on the device - long press to switch on the device
 - confirm the selected item
7. **Back (OFF)**

- return to the previous menu
 - switch off the device - long press
8. **F1 – F4 keys**
- The function of these keys depends on the current operation
9. **Touchscreen**

Description of connectors (back of the device)



1. 12-48VDC power connector
2. RJ45 connector (Ethernet) for connection to a computer network
3. USB connector for connection to a computer
4. **Diagnostic socket connection connector**
5. Oscilloscope probe connector (if installed)
6. WiFi antenna connector (not standard)

Technical parameters

Operating temperature	5 - 40°C
Storage temperature	-10 - 50°C
Connectors	<ul style="list-style-type: none">• canon 25 pin for CAN bus• RJ45 (Ethernet) for PC network connection• power connector• canon 9 pin for oscilloscope (optional)
Size	200 x 120 x 54 mm
Screen	5.7" color touchscreen (640x480 px)
Keyboard	silicone buttons
Power supply	battery (2 hours without oscilloscope on), 12V DC (vehicle diagnostic socket) or 220V via adapter
Power input	8 W
Cover	P44
Weight	746 g

Oscilloscope parameters

Channel count	2/4/8
Sample frequency	20 MS/s (each channel)
Voltage	50mV – 100V /div
Current	5A – 1kA / div
Time base	5us – 5s
Binding	AC/DC
Starting	Single, Auto/Roll, Normal (rising/falling)
Recording	up to 2h (in 4 channel mode)
View	option to view recorded measurements inside TSPro
Memory card	4 GB

Requirements for use with PC

In order for the TS PCCenter program to work properly with your PC, we recommend the following configuration:

Minimum:

- MS Windows 7
- 32bit (x86) or 64bit (x64) processor (1 GHz or more)
- RAM 1 GB
- Graphics card that works properly under Windows
- Monitor with a resolution of 800x600, color depth 16 bits
- Network card 100Mb/s

Recommended:

- MS Windows 7/8/8.1/10
- 32bit (x86) nebo 64bit (x64) (1.5 GHz or more)
- RAM 2 GB
- Graphics card that works properly under Windows
- Monitor with a resolution of 1024x768, color depth 32 bits
- Network card 100Mb/s

There are no special requirements for the performance of the graphics adapter. It can be said that the utility for TSPRO will work on any current computer, the minimum requirements are based on the requirements for running the MS Windows 7 operating system. We recommend running the utility on computers equipped with the MS Windows 7 or Windows 10/11 operating system.

PDF viewing software (eg Adobe Reader) is required to view and print the manual or other documentation.

Diag Center interface

1. **Diagnostics**
2. **Oscilloscope** (optional)
3. **Archiv** - measured data management
4. **Workshop** - web based workshop data access
5. **E-OBD** diagnostics
6. **Settings**
7. **Update** - update through TS Wizard utility



Oscilloscope (optional)



If your device is equipped with an oscilloscope, you can start it using the icon on the TS Pro display or the button in PC Center.

The oscilloscope allows you to display waveforms over time. This is usually achieved by displaying the voltage on the vertical axis (Y) and the time on the horizontal (X). This mode is sometimes referred to as X-T mode and is implemented in the TS Pro instrument. With its help we can find out the course of the signal in time, calculate its frequency, find out the presence of noise or direct current shift.

Software updates

You can update the device software using PC Center. The following conditions must be met:

- You have online updates enabled (contact your supplier)
- The computer and device are connected to a reliable power source
- Your internet connection allows you to download up to 100 MB
- You have a valid email address
- PC configuration allows updates to be performed
- The device is connected to a PC via a network or USB

To start the update process, click the "Update" button in PC Center. The program must be run as an administrator.

The update can be performed at any time, but the approval of the license, which is an integral part of it, takes place only on weekdays during normal business hours.

The device cannot work without an approved license!

Additional information

Technical support

If you have a technical problem with your device, need more information or technical advice, first visit the Devcom website at www.devcom.cz.

If you do not find the answer here, contact our technical support at diagnostika@devcom.cz.

Notice

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures. In this case, the user may be required to take appropriate action.

Abbreviated EU declaration of conformity

DevCom, Ltd. s r.o. hereby declares that the diagnostic device TS02 / 105 is in compliance with the directive 2014/30 / EU. The full text of the EU declaration of conformity is available on the following websites: www.devcom.cz

RoHS Certificate of Compliance

DevCom, Ltd. s r.o. hereby declares that the device TS02 / 105 complies with Directive 2011/65 / EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) (Government Decree No. 481/2012 Coll.).

Disposal of your old appliance

The product is covered by the European Directive 2012/19 / EU on the disposal of electrical and electronic equipment. The device must not be disposed of with municipal waste, but must be handed over to the collection point, or disposed of by means of designated collection means.

Safety instructions for the rechargeable battery

- The device contains a dealer replaceable 7.2V Li-Ion battery and a lithium 3V rechargeable battery, which cannot be replaced.
- Replace the battery only with a new original battery. Only manufacturer and dealer are authorized to replace the battery
- Do not charge the battery if the ambient temperature is below 10 ° C or above 40 ° C.
- Do not short the battery terminals. Short-circuiting may cause the battery to overheat, resulting in burns or fire.
- Do not dispose of the battery (even discharged or damaged) in a fire as it may explode
- Do not expose the battery (do not store the device) in temperatures higher than 50 ° C.
- Dispose of a damaged or discharged battery at a collection point or in collection containers provided for this purpose.

Warranty conditions

The TSPro Color diagnostic device has been manufactured for you with the utmost care. We are convinced that it will serve you flawlessly for many years, if you follow the instructions in the manual. The seller provides the buyer with a warranty for the product for 24 months from the date of sale. The buyer is obliged to file a complaint without undue delay in order to avoid worsening of the defect, but no later than the end of the warranty period.

Only a complete and uncontaminated product is accepted into the complaint procedure.

The warranty period for batteries is 24 months, but does not apply to a decrease in capacity caused by normal use. The estimated battery life is therefore 6 months.

When claiming the guarantee, it is necessary to present proof of acquisition of the goods (receipt, invoice and duly completed original of the guarantee certificate. Without these documents, the guarantee cannot be recognized either.

Warranty Limitations

The warranty does not apply to:

- Defects caused by incorrect use of the device, eg incorrect connection to the mains or other signal sources (connection other than to the car's diagnostic socket using the cables supplied by the manufacturer, to the car battery or using the adapter included in the package)
- Defects caused by improper handling or installation, incorrect connection, or overload
- Tampering with the device (breach of warranty, damage, modification or other tampering with the product by an unauthorized or unauthorized person or service)
- Failure to follow any parameter, condition, or recommendation in this user manual
- Wear and damage caused by normal use of the product

- Use of the product in contravention of the instructions for use, valid legal regulations and generally known and usual methods of use
- Use of the product for a purpose other than that for which it is intended
- Defects caused by external influences such as: traffic damage, accident, impact, fall, exposure to excessive temperature, high humidity, dust, water, aggressive substances, product damage caused by pollution, force majeure (natural disaster), fire and mechanical damage (eg button break)

The role of the seller

The distributor from whom you purchased the diagnostic tool is the first place to claim a warranty repair or claim. The seller can help identify a possible defect and communicate with the manufacturer. Only if for some reason it is not possible to use the services of the store in which the device was purchased, please contact the manufacturer Devcom spol. s r.o.

Limitation of liability

The manufacturer is not liable for any special, incidental or consequential damages arising out of the use of its products or accessories. The manufacturer is not liable for any damage that results from the use of the device in violation of the conditions specified in this document. At the moment when the product starts to be used or operated, the user assumes all resulting liability and agrees with the wording of the warranty and license conditions stated here. In no case may the liability of the importer and the manufacturer exceed the actual selling price paid for the product.

Licence conditions

The device, including software, is copyrighted by the device manufacturer. Any modifications, alterations, changes to the equipment or other interventions are prohibited without the express consent of DevCom, spol. s r.o. The user or a third party may not perform any reverse engineering (reverse analysis, decoding or decomposition), including decompilation, disassembly and other attempts to reveal source codes and product contents, production processes, technology DevCom, spol. s r.o. without the express consent of DevCom, spol. s r.o. It is forbidden to change, modify, reverse engineer, decompile or convert from machine code or create derivative works from it by processing.

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Warranty and post-warranty service

Warranty and post-warranty service is performed by the manufacturer:

Devcom spol. s r.o.

Božanovská 884/10,
Prague, 193 00
Czech Republic
info@devcom.cz
+420 284 860 938
www.devcom.cz

How to send products for warranty or post-warranty service?

We recommend informing the distributor or manufacturer first - by email or phone, it often happens that the product appears to be defective or non-functional only because it has not been used correctly or requires only simple setup. One e-mail or phone call to our experienced technicians can solve everything easily and quickly!

If you are sending the product for service, do not forget to enclose:

- a copy of the proof of purchase with the marked date together with the warranty card (part of this manual)
- return address (Attention, we cannot deliver to P. O. Boxes)
- a telephone number where you can be reached during the working day
- e-mail address
- the most detailed description of the defect

Preparing the product for shipment for service

The policies below will help you save on postage and help our technicians make repairs and return the product.

- Do not ship the batteries or other accessories you use to operate your TS Pro (unless one of these items has been requested by a service technician). You will save on postage and avoid the risk of loss during transport. The manufacturer is not responsible for the loss of junk accessories during transport to service or repair.
- When sending for service, we recommend insuring the product at a price corresponding to the newly purchased product. The manufacturer is in no way responsible for the loss of the product during transport to the service.
- Attach all the documentation needed to repair the engine, together with the most detailed and concise description of the fault or problem.

Warranty certificate

Product name	TS Pro Color
Production ID	
Dispatched date	
Dispatched by	
Warranty period	24 months
Sell date	
Distributor	
User/Owner	