Dear customer!

We would like to thank you for purchasing our product. The TSPro 10 diagnostic tablet allows you to find and identify faults in electronic systems in most modern cars.

If you have any further questions or comments regarding the operation of the device, please contact your dealer who will be happy to help you with troubleshooting.

Names may be trademarks or registered trademarks of their respective owners.

Table of contents

Safety guidelines

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 height and other mechanical impacts.

- The device and the wiring must not be placed in the immediate vicinity of the vehicle's power lines. In the event of a violent electric shock, the device may be destroyed.

- The device must not be used if the connecting cables are damaged.

- Never place the device in front of or above the airbag while driving, as serious injury may result from the device being "ejected" in the event of an airbag inflation.

- **Do not use the device while driving.**

- Do not use/shut down the device before arriving at a location where wireless products are prohibited (such as gas stations, hazardous areas, etc.).

- Do not use the device in flammable or explosive environments.

- Do not expose the device to temperatures outside its operating range, especially extremely hot locations.

- Protect the equipment from contact with liquids or moisture.

- Do not place the device near other electronic devices, especially credit or other smart cards, computer disks or other magnetic media. Damage to the storage media could occur.

- Use a dry, anti-static cloth to clean the device. Do not use detergents, solvents or other abrasives (thinners, degreasers, petrol, etc.), as this could damage the surface.

- Never attempt to repair the device. If repairs are required, contact the equipment dealer.

- The touch screen of the device is capacitive and can therefore only be operated with the fingers. **Do not use metal, sharp or other objects to operate the device.** The screen could get damaged.

- Opening the device and breaking the seal will void the warranty. The seal is located on the back of the device.

Package contents

- TSPro 10 Diagnostic tablet
- Connection cables with connectors
- Power supply for recharging the internal battery
- Transport case
- User manual with warranty card

The manufacturer guarantees that all new accessories (such as interconnection cables and program modules) will be backward compatible with the device you have just purchased until the end of production. As the product is continually being improved and expanded, we recommend that you keep up to date with the manufacturer's current offerings at **www.devcom.cz**.

Controls hardware features

1. **Indicator LEDs**

   • Described in more detail on the following pages

2. **Confirm**

   • Confirm the selected item

3. **Cursor arrows**

   • Use these keys to navigate through various menus

4. **Back**

   • Return to the previous menu / screen

5. Touch screen

- Main control element of the device

6. Tilting mechanism

- Used to attach the tablet to the steering wheel* or to raise the top of the tablet on a table

7. Integrated camera and flash

* Never use the steering wheel mount while driving!

Indication LEDs on the front of the device

1. **Rx and Tx indicator**

   • Indication of communication on the diagnostic bus

2. **OBD indicator light**

   • OBD connection status indication

3. **PWR/CHR indicator**

   • Displays the charging and power status of the device
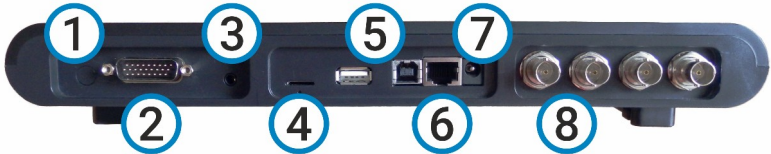
4. **Wifi/BT indicator light**

   • Displays Wifi and Bluetooth connection status

5. **ETH indicator light**

   • Displays the status of the Ethernet cable connection

Connectors and controls on the top of the device

1. Power button (On/Off/Sleep mode)

2. **Connector for connection to diagnostic socket**

3. 3.5 mm audio jack (combined)

4. MicroSD memory card slot

5. USB Type A connector (left) for connecting external devices and USB Type B connector (right) for connecting to a PC (backup data from device memory)

6. RJ45 (Ethernet) connector for connection to a computer network

7. Power connector for connecting a charging power supply

8. Connectors for connecting oscilloscope probes (if installed)

Technical parameters

Screen	• 10,4" LCD w/ LED backlight • 1024×768 px resolution • 800 cd/m2 maximum brightness • Capacitive touch screen • Asahi Dragontrail tempered glass
Operating system	• Android 9.0
Camera	• 5 Mpx camera on the back of the device (2592×1944 resolution) • Integrated flash
Components	• microSD / microSDHC / microSDXC memory card slot (up to 64 GB) • 3-axis digital accelerometer • 5 status LEDs • 4 control buttons + power button • Stereo speakers (2×1000mW) • Integrated microphone • Ambient light sensor
Connectors	• USB 2.0 type A • USB 2.0 type B • RJ45, 100 Mbps Ethernet

	• 3,5 mm (4-pin) audio jack
Wireless	• Bluetooth V2.1+EDR/BT v3.0/BT v3.0+HS/BT v4.2 • Wifi 2.4GHz, 150/150 Mbps (standards IEEE 802.11b/g/n/d/e/h/i)
OBD Diagnostics	• Fault tolerant CAN ISO 11519 • CAN ISO 11898 • K-line, L-line • VPW, PWM • Ethernet DoIP ISO 13400
GSM (optional)*	• LTE cat.4 (150/100Mbps (UL/DL)), UMTS/HSPA+, GSM/GPRS/EDGE • Slot for nanoSIM or microSIM
Location tracking (optional)*	• GNSS: GPS / GLONASS / BeiDou / Galileo / QZSS s podporou A-GPS
Oscilloscope* (optional)	• 4 galvanically isolated (1 kV) • 20 MS/s (each channel) • 50 mV/div – 100V/div • Input resistance 1 MOhm

* must be ordered with new device

Software

Diag Center v1.00

The tablet is equipped with apps for diagnostics and other functions. These can be run either directly or from the Diag Center app.

1. **Diagnostics**

2. **Oscilloscope** (optional)

3. **Archive** - Management of measured/logged data

4. **Workshop** - Access to your favourite websites or frequently used software

5. **E-OBD** diagnostics,

6. **Settings** - Diagnostics configuration and other settings

7. **Update** - Software update

Google services activation

In addition to diagnostic apps, you'll also find regular Google services and apps on the tablet. Thanks to the Google Play Store, you can also install other apps on your tablet.

Google services must first be activated. The *DevCom Settings* app on your tablet will guide you through the activation of Google services. After that, you can use the Google Play Store and other services as you would on a mobile phone.

Oscilloscope (optional)

If your instrument is equipped with an oscilloscope, you can start it using the application shortcut in TSPro 10 or from the main Diag Center program.

The oscilloscope allows you to display signal waveforms over time. This is usually achieved by displaying voltage on the vertical axis (Y) and time on the horizontal axis (X). This mode is sometimes referred to as the X-T mode and is implemented in the TSPro instrument. It can be used to determine the waveform of a signal over time, calculate its frequency, and detect the presence of noise or DC offset.

Software updates

You can update the device software directly from the tablet. The following conditions must be met:

- You have online updates enabled (contact your supplier)

- The device is connected to a reliable power source (power adapter supplied)

- Your internet connection allows you to download up to 200 MB

- You have a valid email address

To start the update process, click on the **Update** button in Diag Center.

Follow the instructions on

https://www.devcom.cz/en/automotive-systems/support-diagnostics/

Updates can be made at any time, but approval of the licence, which is an integral part of the licence, takes place only on weekdays during normal working hours.

The device cannot function without an approved license!

Additional information

Technical support

If you have technical problems with your device, need more information or advice, please visit www.devcom.cz first.

If you do not find the information you are looking for here, please contact our technical support department.

Warning

This is a category A product. It may cause radio interference in a domestic environment. In this case, the user may be required to take measures to solve the problem.

EU Declaration of Conformity

DevCom, spol. s r.o. hereby declares that the TS02/108 diagnostic device complies with the EU Directive 2014/30. The full text of the Declaration of Conformity is available on the following website: www.devcom.cz.

RoHS

DevCom, spol. s r.o. hereby declares that the TS02/108 diagnostic device complies with the Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) (Decree No. 481/2012 Coll.).

Disposal of an old appliance

The product is covered by Directive 2012/19/EU on waste electrical and electronic equipment. The equipment must not be disposed of in municipal waste but must be taken to a collection point or disposed of in an appropriate and designated manner.

Safety notice for the battery

- The device contains a vendor replaceable 7.2V li-on battery and a lithium 3V fixed rechargeable battery.

- Replacing the battery or charging it outside the equipment is not allowed, as it could damage the equipment or cause injury to health or property.

- Replace the battery only with a new and original one. Only the manufacturer and dealer are authorized to replace the battery.

- Do not charge the battery in an environment with a temperature below 10 °C or above 40 °C.

- Do not short-circuit the battery electrodes. A short circuit can cause the battery to overheat, which can result in fire and burns.

- Do not throw the battery (even discharged or damaged) into a fire. It may explode.

- Do not expose the battery to temperatures above 50 °C. This also applies to storage.

- Take the damaged or discharged battery to a collection point or dispose of it in the containers provided.

Radio transmitters declaration

Some variants of this device can be equipped with GSM/LTE, Wi-fi and Bluetooth. For this reason, all possible frequency bands used

by the different variants of the TSPro 10 are listed below. To find out the exact parameters of your device, please contact the manufacturer DevCom, spol s r.o.

The device meets the requirements of the EU Radio Regulations using the following radio frequency bands:

- **Wifi network**: frequency band 2412-2472 MHz with maximum power 12.25 dBm
- **Bluetooth**: frequency band 2402-2480 MHz with a maximum power of 6.97 dBm
- Mobile networks, **LTE cat.4 EMEA**
  - **2G networks (GSM)**: GSM B3 DCS1800 Tx 1710-1785 MHz band with 30 dBm power, EGSM900 Tx 880-915 MHz band with 33 dBm power.
  - **3G networks (WCDMA)**: band B1 Tx 1920-1980 MHz and band B8 Tx 880-915 MHz with power 24 dBm.
  - **4G networks (LTE)**: band B1 Tx 1920-1980 MHz, band B3 Tx 1710-1785 MHz, band B7 Tx 2500-2570 MHz, band B8 Tx 880-915 MHz, band B20 Tx 832-862 MHz and band B28 Tx 703-748 MHz with power 23 dBm.
- Mobile networks, **LTE cat.4 NA** (North America)
  - **3G networks (WCDMA)**: B2 Tx 1850-1910 MHz, B4 Tx 1710-1755 MH and B5 Tx 824-849 MHz with 24 dBm.
  - **4G networks (LTE)**: B2 Tx 1850-1910 MHz, B4 Tx 1710-1755 MHz, B5 Tx 824-849 MHz, B12 Tx 698-716 MHz, B13 Tx 777-787 MHz, B25 Tx 1850-1915 MHz and B26 Tx 814-849 MHz with 23 dBm.
- Mobile networks, **IoT** (LTE cat.M1) (Global)
  - **2G networks (GSM)**: GSM B3 band DCS1800 Tx 1710-1785 MHz and GSM B2 band PCS1900 Tx 1850-1909 MHz with 30 dBm, B8 band EGSM900 Tx 880-915

MHz and B5 band GSM850 Tx 824-849 MHz with 33 dBm.

- ○ **4G networks (LTE Cat M1/Cat NB1)**: band B1 Tx 1920-1980 MHz, band B2 Tx 1850-1910 MHz, band B3 Tx 1710-1785 MHz, band B4 Tx 1710-1755 MHz, band B5 Tx 824-849 MHz, band B8 Tx 880-915 MHz, band B12 Tx 698-716 MHz, band B13 Tx 777-787 MHz, band B18 Tx 815-830 MHz, band B19 Tx 830-845 MHz, band B20 Tx 832-862 MHz, band B25 Tx 1850-1915 MHz, band B26 Tx 814-849 MHz, band B28 Tx 703-748 MHz and band B39 Tx 1880-19.

Warranty

The TSPro 10 diagnostic device has been manufactured for you with the utmost care. If you follow the instructions in the manual, we are confident that it will serve you flawlessly for many years. The seller warrants the product to the buyer for a period of 24 months from the date of sale. The buyer is obliged to claim the product without undue delay in order to prevent the defect from getting worse, but no later than the end of the warranty period. Only complete, uncontaminated products are accepted for warranty claims.

The warranty period is 24 months. It does not, however, apply to battery capacity reduced by normal use. The expected life of the battery is 6 months.

In order to claim the warranty, proof of purchase (receipt, invoice or original warranty card duly filled in) is required. Without one of these documents, the warranty cannot be applied.

Limitation of warranty

The warranty does not cover:

- Defects caused by improper use of the device, e.g. improper connection to the mains or other signal sources (other than to the vehicle's diagnostic socket using the cables supplied by the manufacturer, to the vehicle's battery or using the included adapter).

- Defects caused by improper handling or installation, incorrect wiring or overloading.

- Tampering with the device (breaking of the warranty seal, damage, modification or other interference with the product by an unauthorized or unauthorized person or service).

- Failure to comply with 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, applicable law and generally known and customary usage.

- Using the product for a purpose other than that for which it is intended.

- Defects caused by external influences, e.g.: damage caused by transport, accident, impact, fall, exposure to excessive temperature, high humidity, dust, water, aggressive substances, damage to the product caused by pollution, force majeure (natural event), fire or mechanical damage (e.g. broken button).

Dealer responsibility

The distributor from whom you purchased the diagnostic device is the first place where you need to make a warranty repair or claim. The dealer can assist in identifying possible defects and in communicating with the manufacturer. Only if for some reason it

is not possible to use the services of the shop where the instrument was purchased, please contact the manufacturer DevCom, spol. s r.o. directly.

Limitation of liability

The manufacturer shall not be liable for any special, incidental or consequential damages arising from the use of its products or accessories. The manufacturer shall not be liable for any injury that occurs as a result of the use of the equipment in violation of the conditions specified in this document. The moment the user starts to use or operate the product, he/she assumes all the resulting responsibility and agrees to the wording of the warranty and license conditions stated herein. In no event shall the liability of the importer and manufacturer exceed the actual selling price paid for the product.

Licensing Terms

The device, including the software, is protected by the copyright of the device manufacturer. Any modifications, alterations, changes to the device or other interference are prohibited without the express permission of DevCom, spol. s r.o. The user or third party may not perform any reverse engineering (reverse analysis, decoding or disassembly), including decompiling, disassembling and other attempts to reveal the source code and contents of the products, manufacturing processes, technology of 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 the software product 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 provided by the manufacturer:

Devcom, spol. s r.o.

Božanovská 884/10, Praha 9, 193 00

info@devcom.cz

+420 284 860 938

www.devcom.cz

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

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

If you are sending the product for service, be sure to include:

- A copy of the dated proof of purchase together with the warranty certificate (part of this manual).
- Return address (be careful not to deliver to P.O. Boxes).
- A telephone number where you can be reached during the working day.
- E-mail address.
- A detailed description of the fault.

Preparing the product to be sent for service

The following guidelines will help you save on shipping costs and assist our technicians in making repairs and returning the product.

- Do not plug in accessories that you use in the operation of your TSPro 10 unless requested to do so by a service technician. You will save on postage and avoid the risk of loss in transit. The manufacturer is not responsible for the loss of unsolicited accessories during transport to service or repair.

- When sending the product for service, we recommend that you insure the product at the price corresponding to the newly purchased product. The manufacturer is not responsible for any loss of the product during shipment to the repair shop.

- Include all documentation needed for the repair along with as detailed and concise a description of the defect or problem as possible.

Notes:

Warranty card	
Product name	TSPro 10
Serial number	
Date of dispatch	
Expedited by	
Warranty	24 months
Date of sale	
Distributor	
End User/Holder	