

# **TachoReader Combo Plus**

Tutorial

Firmware version: 1.2.15 TachoReaderConfigurator: 1.0.10



# **TachoReader Combo Plus**

Tutorial

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The program windows (screenshots) shown within this help file can differ in form and contents from the actual program windows. This can be the case especially when the program version differs from the manual version.

#### Production: INELO Polska

ul. Karpacka 24/U2b 43-300 Bielsko-Biała POLAND www.inelo.pl



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# 1. Introduction

TachoReader Combo Plus device allows to download data directly from a tachograph or a driver's card, without having to connect other devices. What is more, the device makes it possible to store data in its internal memory until the data is transferred to a different data carrier (e.g. a computer disk).



Fig. TachoReader Combo Plus.

#### The kit

The device set includes:

- 1. Two 1,5V AA batteries to supply the device without having to connect it to a different source of electricity,
- 2. **Mini-USB cable** by means of which the device is connected with a computer (transfers data from the memory to a computer disk) and provided supply from the computer,
- 3. TachoReader Combo Cable (hereinafter referred to as the **Tacho RC cable**) for reading data from the tachograph the device uses the tachograph power supply

# 2. Technical data

#### **POWER SUPPLY**

- from the tachograph via Tacho RC cable;
- from the computer via the Mini-USB cable;
- 2 batteries AA 1,5 V 1000 downloads from the card possible;
- 2 rechargeable batteries AA 1,2 V number of downloads depending on the battery load.



#### **DEVICE STORAGE**

- internal memory of 2 GB minimum;
- stores up to 40 000 readings (2GB version) from driver cards;
- stores up to 10 000 readings (2GB version) from digital tachograph;

#### OTHER

- supported by all current tachographs and driver cards;
- fully configurable buttons for selecting the type and scope of data downloaded from the digital tachograph
- file extension for download files "ddd";
- The files in the internal memory are saved with local time (synchronized with the time of the computer on which the "configuration "" was made);
- 12 leds that indicate the status of the unit (e.g. the progress of data download).

## 3. Operating elements



Fig. TachoReader Combo - main operating elements.

1. Description of the ports used to connect the device to the computer, tachograph:

¥	- Mini-USB port - used to connect the device to the computer.
ſ	- Tacho-Combo port - used to connect the device to the tachograph.



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- driver card reader slot.

- 2. (Item 1 Fig. above) Progress bar indicates the progress of the data download or reading error (see: "Error codes 21").
- 3. (Item 2) Main indicator indicates the reading/writing and events e.g. reading error, starting data download from a driver card or tachograph, etc.
- 4. Description of buttons:

	– downloads data from tachograph / driver card, depending on the configuration (see: " <u>Configuration</u> ")");
	<b>The default configuration</b> : download "Overview", "Events and faults", "Technical data", <b>Activities -&gt; Everything</b> and "Detailed speed" <u>only</u> from the tachograph;
	– downloads data from tachograph / driver card, depending on the configuration (see: " <u>Configuration</u> ");
	<b>The default configuration</b> : download "Overview", "Events and faults", "Technical data", <b>Activities -&gt; Since last download</b> and "Detailed speed" <u>only</u> from the tachograph;
	If, in the configuration window Select day range using this button was checked, the data is downloaded according to the range of days selected with the: button (see: "Configuration directly in the device 12" topic for more).
	– downloads data from tachograph / driver card, depending on the configuration (see: " <u>Configuration</u> ")");
¢₹§	<b>The default configuration</b> : download "Overview", "Events and faults", "Technical data", <b>Activities -&gt; Last: 28 days</b> and "Detailed speed" <u>only</u> from the tachograph;
	If, in the configuration window: Select day range using this button was checked, using this button you can select directly on the device the range "Activities" or choose to download data from a driver card inserted into the tachograph (see: "Configuration directly in the device 12" topic for more).



# 4. Installation

The device is not supported by Windows<sup>®</sup> 2000 and earlier operating systems.

#### **Required elements for PC installation**

- 1. The device TachoReader Combo Plus;
- 2. The cable MINI-USB.

#### Installation procedure

- 1. Connect the device **TachoReader Combo Plus** to USB port via Mini USB cable and wait till Windows<sup>®</sup> has performed the installation automatically.
- 2. In device manager you can find the installed **TachoReader Combo Plus** as USB Mass Storage Device.

# 5. Operating modes

TR Combo Plus works in different modes. They depends on:

- connection type whether the device is operates standalone or if it is connected to a computer / tachograph;
- placing the driver card in the card reader slot or the tachograph slot;
- Driver card download via tachograph option in the device configuration window;

# **Connection type**

#### **Standalone operation**

Power supply: batteries (rechargeable batteries).

The driver card inserted in the reader slot

After the driver card is placed in the slot of the reader, the process of data download from the driver card starts automatically.

No communication with the device (remove the driver card).

• Driver card download via tachograph option - does not affect this mode of operation.



#### Device conected to the tachograph with the Tacho-Combo cable

Power supply: from the tachograph.

#### The driver card inserted in the reader slot

After the driver card is placed in the slot of the reader, the process of data download from the driver card starts automatically.

No communication with the device (remove the driver card).

• Driver card download via tachograph option - does not affect this mode of operation.

The driver card inserted in the tachograph slot

Depending on the Driver card download via tachograph option:

Option checked — downloads data from driver card and tachograph simultaneously;

**Option unchecked** — downloads data of the tachograph only;

No driver card

Depending on the Driver card download via tachograph option:

- ✓ **Option checked** error report (driver card should be inserted or the option should be unchecked) no data will be downloaded;
- **Option unchecked** downloads data of the tachograph only;

In each of these modes, to download data from the tachograph, you need to place the control card in the tachograph slot (see: "Download from tachograph 121").

#### Device connected to the computer using a Mini-USB cable

Power supply: from the computer.

The driver card inserted in the reader slot

After the driver card is placed in the slot of the reader, the process of data download from the driver card starts automatically.

No communication with the device (remove the driver card).

• Driver card download via tachograph option - does not affect this mode of operation.

No driver card



Operation in USB mode - the possibility to configure the device (run the "Konfigurator.exe" file placed in TR Combo the memory), possibility to read/write data from/to the device and work with 4Trans and TachoScan.

• Driver card download via tachograph option - does not affect this mode of operation.

# 6. Configuration

Device configuration window can be launched in two different ways:

- 1. Directly from the device memory Konfigurator.exe file.
- 2. Using 4Trans or TachoScan program menu.

When you first start configuration, Windows® may prompt for installing **.NET Framework**. We recommend that you accept - otherwise you will not be able to start the configurator. **.NET Framework** will be automatically downloaded and installed by the operating system.



TachoReaderConfigurator v.1.0.10	×
English Device serial number: TRC+05152326A	🌈 inelo°
Firmware version: 1.2.12	Customize downloaded data to the buttons on the device
Files to download	
<ul> <li>Overview*</li> <li>Events and faults*</li> <li>Technical data*</li> <li>Activities*</li> <li>Since last download</li> <li>From: 08.03.2018 *</li> <li>Last: 28 * days</li> <li>All</li> <li>Detailed speed data</li> <li>Driver card download via tacho</li> <li>Special data from VDO tachogi</li> <li>Detailed speed 4/sec</li> <li>Speed from last 168 hours</li> <li>RPM profile</li> </ul>	raph (S-file)
<ul> <li>Update the date of the last rea</li> <li>Select day range using this but</li> </ul>	ding during the read-out of the driver card
Remove readings Def	ault settings Save
-	,5% used (8,6 MB / 1,8 GB)
Copyright @ 2007-2018 by INELO Spolka z o	ograniczona odpowiedzialnoscia Sp.k. All rights reserved.

Fig. Configuration window.

The options described below can be assigned separately to each of the three buttons on the unit (left-click on the button icon):

- Overview basic tachograph data;
- **Events and faults** download events (e.g. driving without an appropriate card) and faults (e.g. Power supply interruption);
- Technical data Information like calibration date, tachograph serial number;
- Activities Driver activities (driving, rest, availability, work) on the particular day,
  - Since last download pick all data since last download with TachoReader.

The information about the previous download are stored in the memory of TachoReader Mobile II. Thus downloads with other devices are not taken into account.

We suggest to use this option.

- From: [...] Till: [...] set the time period for the download as required;
- Last: [...] allows to download the last 1 to 365 days (set by one day);
- Everything download all activity data stored in the tachograph (for all days);

On the "old" type of tachographs data reading can take up to one hour.



• **Detailed speed** - downloading speed data that the tachograph records with a frequency of one second;

The tachograph stores the detailed speed data of the last 24 hours of driving in the memory. Reading this data can significantly extend the time of downloading data from the tachograph.

#### • Driver card download via tachograph:

✓ **Option checked** — allows to download data from the driver card placed in the tachograph slot in addition to downloading data from the tachograph (see: "Download from driver card inserted in the tachograph 18" topic for more).

If the driver card is not inserted in the slot of the tachograph the device reports a data download error.

□ **Option unchecked** — the device will download data only from the tachograph, even if a driver card is inserted in the tachograph slot.

- Speed data from VDO tachograph (S-file) enables downloading special speed data from some tachographs (see: "Download special speed data 15" for a full description). Download special speed data option:
  - Detailed speed 4/sec the following will be downloaded:
    - Last three records (high resolution frequency: four values/second) of two-minute speed periods, in which there was an unnatural speed change in a short period of time
    - Last three records (high resolution frequency: four values/second) of two-minute speed periods, in which there was a sudden, high change in speed
  - **Speed from last 168 hours** allows you to download the speed history from the last 168 hours, saved with the frequency of one second
  - **RPM profile** allows you to download engine rotational speed profiles. The rpm time in the individual profiles recorded in the tachograph is limited to a maximum of 18 hours, 12 minutes and 15 seconds.
- Update date of the last reading during the reading of the driver card:
  - ✓ **Option checked** the device will change the last reading date entry;;

 $\Box$  **Option unchecked** — the last reading date will remain intact.

• Select day range using this button



Option checked — changes the function of:

- changes the number of the last days from which the device should download **Activities** (number of days is displayed with green leds on the device);



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- initiates the process of data download for the above settings. (see: "<u>Configuration directly in the device</u> 12" for more)

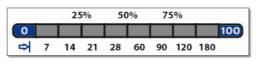
**Option unchecked** — downloading data will be based on the configurator settings.



# 6.1. Configuration directly in the device

1. Connect the device to a computer - select: <b>Select day range using this button <sup>ক্রে</sup>ি</b> option in th "device configuration" window (więcej w temacie: " <u>Configuration</u> [ 9ᠲ").	е
2. Connect TachoReader Combo Plus to the tachograph using a Tacho-Combo cable.	

- 1. Setting the range of days to download:
  - below the progress bar there are numbers indicating the range of days to download (e.g., 7 the last seven days, 60 the last sixty days, etc.);



- to change the range of days to download, press the: button until the LED on the respective number of days lights up;
- downloading is started by pressing: whether the button.
- 2. Direct configuration also allows to download data from a driver card inserted in the tachograph (see: "Download from driver card inserted in the tachograph [18]" topic for more).

# 7. Download from tachograph

Operations after connecting to a computer



#### **Download from tachograph**

1. Open the TR Combo Plus configuration window, and then, to configure button:

or select the type and scope of activities to be downloaded from the tachograph (see: "<u>Configuration and topic for more</u>).

Default settings

If you are not sure what to choose, click:

- 2. If you want to control the scope of the downloaded data directly on the device, **check** the:
  - Select day range using this button option (see: "Configuration directly in the device 12" topic for more).
- 3. If you do not want to download data from the driver card via the tachograph **uncheck** the option: 
  Driver card download via tachograph.

**Operations on the vehicle** 

We recommend that you read the operating instructions of the tachograph.

1. Turn the ignition switch to position II (ignition) - until the lights on the dashboard switch on (switching on the tachograph).

We recommend to carry out the above step accompanied by the driver of the vehicle.

2. Insert a control card into any tachograph slot.

After reading the control card, some tachographs may request confirmation of "unlocking". In this case, "unlock" the tachograph, or "Technical data" and "Activities" will not be downloaded.

3. Connect TR Combo Plus to tachograph using Tacho RC cable.

Position of the interface within the tachograph - see tachograph manual.

4. Depending on the method and the scope of data download, click on the appropriate button:



- downloads data from tachograph / driver card, depending on the configuration (see: "<u>Configuration</u>");

**The default configuration**: download "Overview", "Events and faults", "Technical data", **Activities -> Everything** and "Detailed speed" only from





	the tachograph;
	– downloads data from tachograph / driver card, depending on the configuration (see: " <u>Configuration (</u> )");
	<b>The default configuration</b> : download "Overview", "Events and faults", "Technical data", <b>Activities -&gt; Since last download</b> and "Detailed speed" <u>only</u> from the tachograph;
	If, in the configuration window 🗹 Select day range using this button
	was checked, the data is downloaded according to the range of days
	selected with the: button (see: " <u>Configuration directly in the</u> <u>device 12</u> " topic for more).
<b>₽</b>	- downloads data from tachograph / driver card, depending on the configuration (see: " <u>Configuration (and see</u> )");
	<b>The default configuration</b> : download "Overview", "Events and faults", "Technical data", <b>Activities -&gt; Last: 28 days</b> and "Detailed speed" <u>only</u> from the tachograph;
	If, in the configuration window: Select day range using this button was checked, using this button you can select directly on the device the range "Activities" or choose to download data from a driver card inserted into the tachograph (see: "Configuration directly in the device 12" topic for more).

Press the respective button. A running download process is indicated by flashing of the red LED on the device foreside and by the expanding progress bar.



Fig. TachoReader Combo - indication elements.



If during the data retrieval the device beeps 4 times and the progress bar moves back to the beginning, this means that the reading of data will be continued by **TR Combo** at a lower speed. This can happen on the "old" type of tachograph, where the data download can take up to one hour.

If during data retrieval red LED located in the center of the label lights up for about 4 seconds, and in this time the device sounds three short beeps, then it goes off for about 2 seconds (repeatedly), this means an error occurred - refer to the "<u>Error codes</u>  $2^{11}$ " topic.

- 5. End of data download will be signaled by the device by repeated beeps and flashing LEDs on the progress bar.
- 6. Disconnect **TR Combo Plus** from the tachograph and remove the control card.
- 7. The data is saved to a file (Vehicle reg.no.\_Date and time of data download.DDD), which is placed in the **TACHO** folder in the device memory.

# 7.1. Download special speed data

Some tachographs record special speed data (except the data specified in the Regulation 3821/85).

#### Requirements

- 1. Continental VDO tachograph version 1.3 or higher
- 2. The device for downloading data from the tachograph: **TachoReader Combo Plus**, with serial number that ends with **the letter "A"**

The serial number can be found on the label placed on the bottom of the device.

3. In the configuration window, for the selected button, select: Speed data from VDO tachograph (S-file) option (Fig. bellow) and decide which special data to download (all selected by default)

The special data include:

- Detailed data 4/sec, that is:
  - Last three records (high resolution frequency: four values/second) of two-minute speed periods, in which there was an unnatural speed change in a short period of time
  - Last three records (high resolution frequency: four values/second) of two-minute speed periods, in which there was a sudden, high change in speed
- Speed history of the last 168 hours of driving recorded with a frequency of one second
- Engine rotational speed profiles (the rpm time in the individual profiles recorded in the tachograph is limited to a maximum of 18 hours, 12 minutes and 15 seconds).

Operations during data download from the tachograph are the same as in regular data download (see: "Download from tachograph 12")



The only difference is that before downloading data in the device configuration window, you need to select the **Speed data from VDO tachograph (S-file)** option. After selecting it, you can decide what kind of special speed data you want to download (**Fig. bellow**).

TachoReaderConfigurator v.1.0.1	0	×
English Device serial number: TRC+0515. Firmware version: 1.2.12		8
	Customize downloaded data to the buttons on the device	
Files to download		ы.
<ul> <li>Overview*</li> <li>Events and faults*</li> <li>Technical data*</li> <li>Activities*</li> </ul>	* Data required to be read by the transportation company according to Commission Regulation (UE) 581/2010	
<ul> <li>○ Since last download</li> <li>○ From: 08.03.2018</li> <li>○ Last: 28   days</li> </ul>		
All		ы.
Detailed speed data		
Driver card download via		
Special data from VDO ta		
Detailed speed 4/se     Speed from last 168		
RPM profile	nous	
Update the date of the label	ast reading during the read-out of the driver card	11.
Select day range using t	his button 📲	
Remove readings	Default settings Save	
Device men	nory: 0,5% used (8,6 MB / 1,8 GB)	
Copyright © 2007-2018 by INELO S	polka z ograniczona odpowiedzialnoscia Sp.k. All rights reserved.	
Fig. Configuration wi	indow: TachoReader Combo Plus	5.

the button for which you have selected: Speed data from VDO tachograph (S-file).

For an instruction on data download, refer to: "<u>Download from tachograph</u> [12]" topic.

The data is saved to a file (Vehicle reg.no.\_Date and time of data download with added "\_S".DDD, e.g. "WWW1343\_20150827110734\_**S**.DDD"), which is placed in the **TACHO** folder in the device memory.



# 8. Download from driver card

Downloading driver card data directly from the **TR Combo Plus** slot can be accomplished in several ways, depending on the type of power supply of the unit:

- 1. When battery-powered (stand-alone operation) insert the battery/rechargeable batteries to the device socket. (see: "Battery change 23" topic for more).
- 2. When powered from the tachograph connect TR Combo Plus with the tachograph via **Tacho RC cable**.
- 3. When powered from the computer connect TR Combo Plus to a computer via the **Mini-USB cable**.

TR Combo is able to download data from a driver card inserted in the slot of the tachograph - see: "Download from driver card inserted in the tachograph 18" topic for more.

#### **Download procedure**

- 1. Insert the batteries/rechargeable batteries to **TR Combo Plus** or connect the device to a different power source (see the description above).
- Insert the driver card into the slot of **TR Combo Plus**.
   Data download is started automatically when you place the driver card in the device slot.
   Download progress will be indicated by a single beep and incremental lighting up the LEDs on the progress bar.



Fig. TachoReader Combo Plus - inserting a driver card.

If during data retrieval red LED located in the center of the label lights up for about 4 seconds, and in this time the device sounds three short beeps, then it goes off for about 2 seconds (repeatedly), this means an error occurred - refer to the "<u>Error codes</u> 21" topic.



- 3. End of data download will be signaled by the device by repeated beeps and flashing LEDs on the progress bar.
- 4. Remove the card from the device slot.
- 5. The data is saved to a file (Surname\_First name\_Middle name\_Date and time of data download.DDD) placed in the **CARD** directory in the device memory.

# 9. Download from driver card inserted in the tachograph

TR Combo Plus can download simultaneously or individually the data from a driver card inserted in the tachograph and the tachograph data. This depends on the settings described below.

Ор	erations after connecting to a computer
Ор	pen the device configuration window (see: " <u>Configuration are service</u> s of the service of the se
Ор	otion I - Downloading data from driver card only
1.	For any selected configuration of <b>I</b> , <b>I</b> or <b>I</b> button <b>uncheck</b> all the options.
2.	Check one option only: 🗹 Driver card download via tachograph.
Ор	tion II - Simultaneous downloading data from driver card and the tachograph
1.	For any selected configuration of $[b], [b]$ or $[b]$ button, choose the type and scope of activities to be downloaded from the tachograph (see: "Configuration [9]" topic for more).
	If you are not sure what to choose, click on the button: Default settings
2.	Additionally, <b>check</b> the: 🗹 Driver card download via tachograph option.
Ор	tion III - Configuration on the device - Downloading data from driver card only
1.	Regardless of the chosen button configuration, <b>check 🗹 Select day range using this</b>
2.	button . Other options do not affect the data download in this option.
<u> </u>	
Ор	erations on the vehicle
[	
	We recommend that you read the operating instructions of the tachograph.



1. Turn the ignition switch to position II (ignition) - until the lights on the dashboard switch on (switching on the tachograph).

We recommend to carry out the above step accompanied by the driver of the vehicle.

- 2. Depending on the selected option:
  - **Option 1** 18 insert the driver card into any slot of the tachograph;
  - Option II 18 - insert a control card and the driver card to any tachograph slots;

After reading the control card, some tachographs may request confirmation of "unlocking". In this case, "unlock" the tachograph, or "Technical data" and "Activities" will not be downloaded.

• **Option III** 18 - insert the driver card into any slot of the tachograph;

Old types of tachographs: For <u>Option I</u> िष्ठो and <u>Option III</u> िष्ठो it may also be required to insert the control card.

- 3. Connect TachoReader Combo Plus device to the tachograph using a **Tacho RC cable**.
- 4. Depending on the selected option:
  - Option 1 18 press the button you configured (
  - Option II 18 press the button you configured (
  - **Option III** 18 repeatedly press the: , button until the LEDs on the fields 28 and 60 of the progress bar light up (Fig. bellow);

		25	5%	50	0%	75	5%		
0				4					100
0	7	14	21	28	60	90	120	180	

Fig. Data download progress bar.

Click: Lo start downloading data.

If during the data retrieval the device beeps 4 times and the progress bar moves back to the beginning, this means that the reading of data will be continued by **TR Combo** at a lower speed. This can happen on the "old" type of tachograph, where the data download can take up to one hour.

If during data retrieval red LED located in the center of the label lights up for about 4 seconds, and in this time the device sounds three short beeps, then it goes off for about 2 seconds (repeatedly), this means an error occurred - refer to the "<u>Error codes</u> 21" topic.



- 5. End of data download will be signaled by the device by repeated beeps and flashing LEDs on the progress bar.
- 6. Disconnect **TR Combo Plus** from the tachograph and remove the driver card and possibly the control card.
- 7. The data is saved to a file (Surname\_First name\_Middle name\_Date and time of data download.DDD) placed in the **CARD** directory in the device memory.

# 10. Transferring data files into PC

Files downloaded from the driver card are stored in the **CARD** directory, and files downloaded from the digital tachograph are stored in the **TACHO** directory.

Under no circumstances should you move, delete, or rename these directories!

Transfer procedure from TachoReader Mobile II into a PC:

- 1. Connect the TachoReader device to the USB port in your computer.
- 2. When you press the appropriate button, select the "Download data files" -> "all".

Menu in the 4Trans is different than shown here - refer to the 4Trans Help.

 TachoScan picks the data and performs the evaluation (the digital signature check as well). If the digital signature is valid, the data is saved to the data base and the original file copied into the PC. The download file data will be presented in the "Daily view" (see: "Help for TachoScan").

Source files (original downloaded files) will be copied (moved) to the appropriate directory configured in the **program settings**.

It is also possible to move the files from TR Combo Plus into the PC (backup) without involving the program TachoScan. For this purpose perform the common Windows® copying procedure (the TachoReader is installed as a removable drive named "**PNSTACHO**").

Downloaded tachograph data file name format: "Vehicle reg. no\_Date and time of the data download (year, month, day, hour, minutes, seconds). DDD" (Example: SB\_3106G\_20130520091234.DDD).

Downloaded driver card data file name format: "Surname\_First name\_Middle name\_Date and time of the data download (year, month, day, hour, minutes, seconds). DDD" (Example: Kowalski\_Jan\_Mateusz\_20130520084432.DDD).



# 11. Error codes

Errors during device operation are indicated by sound and flashing of the corresponding LEDs.

Error Indication: Red LED located in the central point of the label is lit for about 4 seconds and is off for about 2 seconds. At the same time TR Combo Plus sounds three short beeps. The fault code is displayed in the progress bar.

The meaning of the error codes depends on the data source:

### 11.1. Download from driver card

Possible errors when downloading from a driver card:

#### No response of the unit

No power.

Replace batteries / rechargeable batteries or connect the device to a tachograph or computer.

#### The whole line of the progress bar lights up smoothly four times just before reading the card

Low battery, you can download the data.

Replace batteries / rechargeable batteries or connect the device to a tachograph or computer.

#### Quick three blinks of the red LED in two-second intervals

The battery is low, reading of the driver card is not possible.

Replace batteries / rechargeable batteries or connect the device to a tachograph or computer.

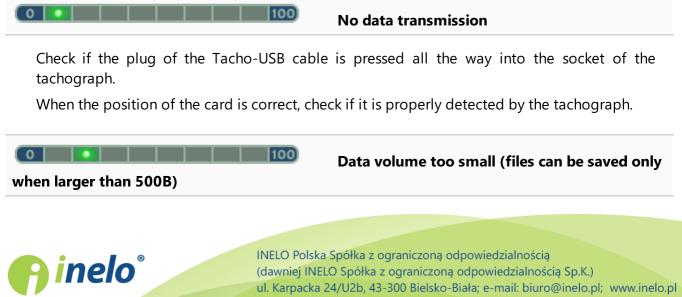
0 100 False card type Insert the card correctly again. Check if it is the right card type. 100 0 ٠ False file structure of the driver card Repead reading of the driver card. 0 100 Read error of the driver card INELO Polska Spółka z ograniczoną odpowiedzialnością inelo (dawniej INELO Spółka z ograniczoną odpowiedzialnością Sp.K.) ul. Karpacka 24/U2b, 43-300 Bielsko-Biała; e-mail: biuro@inelo.pl; www.inelo.pl

REGON 356687662 NIP 551-23-33-463 KRS 0000702969

Repead reading of the driver card. 100 **Differing card structure** Repead reading of the driver card. 0 100 Invalid file signature Repead reading of the driver card. 0 100 . No card inserted / the card withdrawn during download Check if the card has been pulled out when downloading data. If so repeat the download. Repead reading of the driver card. 0 100 **Read error** Repead reading of the driver card. 0 100 **File system error** Check the memory card of the device for file system error (scandisk) - ultimately, format the memory card.

# 11.2. Download from tachograph

Possible errors when downloading from a digital tachograph:



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Repeat the download. 100 No storage space on the microSD card Transfer all files from TachoReader Combo Plus onto another data medium. Necessary memory space: at least 10 MB. 0 100 There is a problem with the file system on the card Format the device memory. 100 No driver card in the tachograph Insert the driver card into any slot of the tachograph or in the device configuration window uncheck the: Driver card download via tachograph option (see: "Configuration 9" topic for more). Repeat reading from tachograph. 0 100 No response from the tachograph Repeat reading from tachograph. 0 100 Incorrect data in the configuration file or other unrecognized error Connect the TR Combo to the computer. Open the configuration window. Click on Default settings (see "<u>Configuration</u> 9" topic for more), click: and then Save

# 12. Battery change

If TR Combo Plus indicates (see "<u>Error codes</u> 21 -> <u>Download from driver card</u> 21 topic for more) a low or critical charge of the battery / rechargeable batteries, replace the batteries with new ones.



To replace the batteries proceed as follows:

- take off the blue protection skin
- press the spot on the back of the case as shown by the arrow (Fig. bellow) and remove the cover. There you will find two batteries AA 1,5V.
- take out old batteries and put new ones in.



Fig.TachoReader Combo - battery change.

# 13. FAQ

#### Driver card is inserted in TachoReader Combo Plus and the LEDs on the device do not light up

In this case re-insert the card into the device, press it so that the device sounds a beep and the first LED on the progress bar lights up.

The problem may also occur when TR Combo Plus is connected to a computer using a mini-USB cable via a HUB. Connect the device directly to the USB port.

If the problem persists, contact the manufacturer's service 26

After connecting TachoReader Combo Plus to computer LEDs on the progress bar do not blink and the device is not detected in the system

Restart the computer.



If the above step does not help, to check the very device, connect it to another computer.

If the device is still not visible in the system, connect the device to the computer using a different MINI USB cable.

If the problem persists, contact the manufacturer's service 26।

After connecting the TachoReader Combo Plus to the tachograph LEDs on the device do not blink and data from tachograph are not downloaded

Switch the tachograph off and on, unplug and re-connect the device to the tachograph.

If the problem persists, check the device on another tachograph.

If the problem persists, contact the manufacturer's service 261.

#### TR Combo Plus cannot read the driver card

Make sure that you insert the driver card reader correctly into the slot. Check if the driver card is read by another digital card reader. If the problem persists, contact the manufacturer's service 26.

# 14. Additional information

#### 14.1. The company





fax.: +48 33 496 58 71 (111)

www.inelo.pl

# 14.2. Support

# INELO Polska

# Support

e-mail: <a href="mailto:support@inelo.pl">support@inelo.pl</a>

tel.: +48 33 496 58 74





INELO Polska Spółka z ograniczoną odpowiedzialnością (dawniej INELO Spółka z ograniczoną odpowiedzialnością Sp.K.) ul. Karpacka 24/U2b, 43-300 Bielsko-Biała KRS: 0000702969 tel. +48 33 496 58 71, www.inelo.pl

Sąd Rejonowy w Bielsku-Białej VIII Wydział Gospodarczy Krajowego Rejestru Sądowego Kapitał zakładowy: 10.000.000 PLN