

TachoScan

Installation guide

Version: 6.2.1





TachoScan

Installation guide

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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 Sp. z o.o.

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



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1. Introduction

This paper presents the installation process for TachoScan on the single user workstation. We also provide the installation guidelines for multiuser work on server software being the part of installation package or on the server you use in your company. The instruction contains the information on the installation of software and the devices being the part of installation package. Furthermore, we describe the configuration of "**Firewall**" in the way that enables the communication of workstations with server.

This paper is addressed for system administrators. Apart from the topics substantial during the first installation it also contains the description of the administration settings window. This window enables for example: the management of user accounts, setting the privileges as well as settings for the backup of database.

Prior to the installation of program we recommend to read carefully every topic of this instruction.

The contact details to Customer Support

2. Installation package

A standard installation package includes:

- Installation CD or link to software installation,
- Operation manual or link to download operation manual,
- Certificate (license),
- License key,

The installation kit can extended with:

- <u>Canon scanner</u> or <u>Roller scanner</u> that enables to scan tacho discs,
- <u>TachoReader</u> that enables efficient data downloading from driver's cards,
- <u>TachoReader Basic</u> the device for data downloading from digital tachographs,
- <u>TachoReader Combo Plus</u> the device for data downloading from digital tachographs as well as from driver's cards.

TachoScan depending on the order, is sold along with different installation packages.



This topic addresses the issues related to the installation of TachoScan. Further in the topic, there is a description of the installation of devices compatible with the program.

To install the programs it is required to log in to an account with administrative privileges in the operating system.

3.1. Minimum requirements

The following configuration shows the **MINIMUM** requirements that must be met in order to run the program.

Regardless of the minimum requirements requirements below, TachoScan will not be supported on Windows® and SQL Server[™] for which Microsoft® support is discontinued.

PC working as a client

- system: Windows® 10, Windows® 11, Windows Server® 2008 R1 SP-2, Windows Server® 2008 R2 SP-1, Windows Server® 2012, Windows Server® 2012 R2;
 +for each system, all available Windows Update patches;
- Internet Explorer version 8 or higher;
- 1,5 GHz processor;
- minimum 512 MB of available RAM;
- depending on the number of installed modules, approx. 2 GB of free disc space;
- graphic display resolution: 1280 x 768;
- database attached to Microsoft[®] SQL Server[™] 2012 or newer on the PC working as a server;
- during the first launch is installed by default:
 - Microsoft[®] SQL Server[™] 2017 Express for Windows[®] 8.1, Windows Server[®] 2012, Windows Server[®] 2012 R2;
 - Microsoft® SQL Server[™] 2019 Express for Windows® 10 and Windows® 11;
- the date format in the system regional settings must be the same for **all** stations, including the server computer;
- Scanner for disc scanning that supports the scanning resolution of 300 dpi, color mode monochrome (1 bit - black & white), black background of the scanned documents area and TWAIN driver;

(recommended scanner models: Canon LiDE 70, LiDE 100, 110, 200 or LiDE 210, Plustek SmartOffice PS283);



- digital driver card reader that meets the requirements: support for T=0, T=1 protocols, clock frequency of 4 MHz or higher, ISO 7816 and EMV 2000 Level 1 chip card support, compliance with the requirements of ISO 7816, card format: ID-1 (Full Size), compatibility with PC/SC and CT-API or TachoReader Combo Plus, (recommended models of card readers: Omnikey 3121 (USB), Omnikey 4040 Mobile (PCMCIA), Omnikey 4321 Mobile (ExpressCard 54), SCR 3310 (USB), SCR 243 (PCMCIA),
- one of the devices to read data from the digital tachograph: **TachoReader Basic**, **TachoReader Combo Plus**, **TachoUSB** or **TachoBlue**.

PC working as a server

- system: Windows® 10, Windows® 11, Windows Server® 2008 R1 SP-2, Windows Server® 2008 R2 SP-1, Windows Server® 2012, Windows Server® 2012 R2;
 + for each system, all available Windows Update patches;
- Internet Explorer version 8 or higher;

SCR 3340 (ExpressCard 54);

- 2 GHz processor (multi-core system recommended);
 - The sum of all the cores in a single- and multiprocessor system must be a power of 2 for example, 1, 2, 4, 8, 16, etc.
- free disc space: 4.2 GB (depending on the volume of entered data);
- a minimum of 512 MB of available RAM (recommended minimum is 1 GB);
- USB port for the USB license key;
- graphic display resolution: 1280 x 768;
- the date format in the system regional settings must be the same for **all** stations, including the server computer;
- to install the program server, you are required to log on to the account with administrator rights in the operating system;
- server name:
- user name can not be the same as the computer name.
- The first character must be a letter defined in Unicode 2.0 standard, which includes Latin letters from "a" to "z" and from "A" to "Z"
- The following characters:
 - letters defined in Unicode 2.0 standard;
 - latin alphabet digits;
 - spaces and special characters are not allowed (e.g. "-", "@", "#", "\$");
- You cannot change the name of the computer on which the database of TachoScan was installed;

During the first run, the database server is installed:



- Microsoft® SQL Server™ 2017 Express for Windows® 8.1, Windows Server® 2012, Windows Server® 2012 R2;

- Microsoft® SQL Server™ 2019 Express for Windows® 10 and Windows® 11.

SQL Server[™] 2017 Express database limitations:

- support for one physical processor;
- 1410 MB of RAM;
- database size: 10 GB.

If the maximum database size (10 GB) is not sufficient, you need to purchase the latest commercial version of Microsoft® SQL Server[™].

When installation is finished you have to reboot your computer.

Self-installation of Microsoft SQL Server

Software producer allows self-installation of Microsoft SQL Server.

In this case, you should pay special attention to:

- 1. Select **Mixed Mode** as **Authentication mode** in the system configuration window for Microsoft SQL Server.
- 2. Configure advanced server options:
 - enable **xp_cmdshel** option support;
 - enable Agent XPs option support;
- 3. The **SQL Server** [™] user used by TachoScan must have sysadmin privileges.

The Express version of the database server does not automatically create a backup copy of the database. TachoScan has a built-in database backup service. If you want to use it, you need to install the INELO Service. The installer is available on the TachoScan installation CD, in "Utils/INELO Service/IneloServiceInstaller.exe." In the event of an error, please contact the software service. Database update (older than SQL Server™ 2008 R2): If you install SQLServer™ 2017 or higher database server version, intermediate database migration of TachoScan (4TransMDF, 4TransKONFIG) to SQL Server™ 2008 R2 must be done first.

3.2. Program installation

To carry out installation, please run the installation file downloaded via link or received on a CD.

Then perform activities suggested by the products installer by clicking the button the target directory is not changed, the program will be installed in the default location.

• for 32-bit systems: "C:\Program Files\INELO\";

Next>>

. If



• for 64-bit systems, depending on the Windows® version: "C:\Program Files (x86)\INELO\";

A further step in TachoScan program installation is shown in the clause: "First launch [40]".

3.2.1. Self-installation of Microsoft SQL Server

Software producer allows for self-installation of Microsoft® SQL Server™.

- To install Microsoft[®] SQL Server[™]:
- 1. Download the free version of the server from the Microsoft website by clicking the Download button
- 2. After starting the installer, the installation window is displayed. Choose the Basic installation type



3. Accept license terms



viici obc	bit sqt server license ierms
MICROSOF	•T SOFTWARE LICENSE TERMS FT SQL SERVER 2017 EXPRESS
These licens affiliates) ar you receive	se terms are an agreement between Microsoft Corporation (or based on where you live, one of its nd you. Please read them. They apply to the software named above, which includes the media on which ed it, if any. The terms also apply to any Microsoft
•	updates,
•	supplements,
•	Internet-based services, and
•	support services
for this soft	tware, unless other terms accompany those items. If so, those terms apply.
BY USING ⁻ SOFTWARE	THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE E.

4. Choose the location where the SQL Server database files are to be created

^{SQL Server 2017} Express Edition			© – ×
Specify SQL Server install location			
INSTALL LOCATION CAProgram Files\Microsoft SQL Server	Browse	MINIMUM 6616 MB DownLOA 283 MB	FREE SPACE ND SIZE
	<u>Ç</u> lose	< Previous	Install
			14.1805.4072.1

5. Click the Install button. The installation process will start.





6. The installation was successful - you need to customize SQL Server to **4Trans** software.

sql Server 2017 Express Edit	tion	© – ×
Installation has comple	ted successfully!	
INSTANCE NAME SQLEXPRESS	CONNECTION STRING Server=localhost\SQLEXPRESS;Database=m	naster;Trusted_Connection=True
SQL ADMINISTRATORS INELO\abraczek	SQL SERVER INSTALL LOG FOLDER C:\Program Files\Microsoft SQL Server\140	\Setup Bootstrap\Log\2018102
FEATURES INSTALLED SQLENGINE	INSTALLATION MEDIA FOLDER C:\SQLServer2017Media\Express_ENU	
VERSION 14.0.1000.169, RTM	INSTALLATION RESOURCES FOLDER	SSEI/Resources
¢	≻ Connect <u>N</u> ow C <u>u</u> stomize <u>I</u> ns	tall SSMS <u>C</u> lose
		14.1805.4072.

7. Go to the SQL Server 2017 Setup window by clicking Customize



8. Install Rules: when the displayed operations succeed - click Next>

🃸 SQL Server 2017 Setup		-		×
Install Rules				
Setup rules identify potential p can continue.	roblems that might occur while running Setup. Failures must be corrected before	Setup		
Global Rules Product Updates Install Setup Files Install Rules Installation Type	Operation completed. Passed: 3. Failed 0. Warning 1. Skipped 0. Hide detail <u>s</u> << <u>View detailed report</u>		<u>R</u> e-r	un
License Terms Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Rule Status Image: Status Fusion Active Template Library (ATL) Passed Image: Consistency validation for SQL Server registry keys Passed Image: Computer domain controller Passed Image: Windows Firewall Warnin	9		
	< <u>B</u> ack	<u>N</u> ext >	Cancel	

9. Choose a new SQL Server 2017 installation

						AB	UROW
📸 SQL Server 2017 Setup					_		\times
Installation Type							
installation Type							
Perform a new installation or a	add features to an existi	ng instance of SQL Serve	er 2017.				
Global Rules	Perform a new in	stallation of SQL Server 2	2017				
Product Updates	Select this option	n if you want to install a	new instance of SQL	Server or want to insta	all share	d	
Install Setup Files	components.	·					
Install Rules	○ <u>A</u> dd features to a	n existing instance of SC	L Server 2017				
Installation Type	INFLO17		\sim				
License Terms	Select this option	if you want to add feat	tures to an existing in	stance of SOL Server	For eva	mple vo	
Feature Selection	want to add the	Analysis Services feature	es to the instance that	t contains the Databas	e Engin	ie. Featu	res
Feature Rules	within an instanc	e must be the same edit	ion.		-		
Instance Configuration							
Server Configuration	Installed instances:						
Server Configuration Database Engine Configuration	Installed instances:	Instance ID	Features	Edition	Ver	sion	
Server Configuration Database Engine Configuration Feature Configuration Rules	Installed instances:	Instance ID MSSQL14.INELO	Features SQLEngine	Edition Express	Ver:	sion .1000.16	9
Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress	Installed instances: Instance Name INELO SQLEXPRESS	Instance ID MSSQL14.INELO MSSQL14.SQLEXPR	Features SQLEngine SQLEngine	Edition Express Express	Ver: 14.0	sion .1000.169 .1000.169	9
Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Installed instances: Instance Name INELO SQLEXPRESS	Instance ID MSSQL14.INELO MSSQL14.SQLEXPR	Features SQLEngine SQLEngine	Edition Express Express	Ver: 14.0 14.0	sion .1000.169 .1000.169	9
Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Installed instances: Instance Name INELO SQLEXPRESS	Instance ID MSSQL14.INELO MSSQL14.SQLEXPR	Features SQLEngine SQLEngine	Edition Express Express	Ver: 14.0 14.0	sion .1000.169 .1000.169	9
Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Installed instances: Instance Name INELO SQLEXPRESS	Instance ID MSSQL14.INELO MSSQL14.SQLEXPR	Features SQLEngine SQLEngine	Edition Express Express	Ver: 14.0 14.0	sion .1000.169 .1000.169	9
Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Installed instances: Instance Name INELO SQLEXPRESS	Instance ID MSSQL14.INELO MSSQL14.SQLEXPR	Features SQLEngine SQLEngine	Edition Express Express	Ver: 14.0 14.0	sion .1000.169 .1000.169	9
Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Installed instances: Instance Name INELO SQLEXPRESS	Instance ID MSSQL14.INELO MSSQL14.SQLEXPR	Features SQLEngine SQLEngine	Edition Express Express	Ver: 14.0 14.0	sion .1000.169 .1000.169	9

10. Once again, accept the license terms

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		A EURO
髋 SQL Server 2017 Setup	- 0	×
License Terms		
To install SQL Server 2017, yo	u must accept the Microsoft Software License Terms.	
Global Rules		^
Product Updates	MICROSOFT SOFTWARE LICENSE TERMS	
Install Setup Files	MICROSOFT SQL SERVER 2017 EXPRESS	
Install Rules		
Installation Type	These license terms are an agreement between Microsoft Corporation (or based on wi	here
License Terms	above which includes the media on which you received it if any. The terms also apply	to
Feature Selection	any Microsoft	
Feature Rules		
Instance Configuration	updates,	
Server Configuration	 suplements 	
Database Engine Configuration	• supplements,	
Feature Configuration Rules	Internet-based services, and	
Installation Progress		*
Complete	ана сору Сору	<u>P</u> rint
	✓ I accept the license terms.	
	SQL Server 2017 transmits information about your installation experience, as well as other usage ar	nd
	processing and privacy controls, please see the <u>Privacy Statement</u> .	uata
	Rack Nexts Co	ancel
		incer

11. **Feature selection:** Check Database Engine Services, the rest are additional options that are not required for proper operation of 4Trans.

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			,	A EUROWAG CON
📸 SQL Server 2017 Setup			- 0	×
Feature Selection Select the Express features to in	nstall.			
Global Rules Product Updates Install Setup Files Install Rules Installation Type License Terms Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	 Looking for Reporting Servi Eeatures: Instance Features Database Engine Services SQL Server Replication Shared Features SQL Client Connectivity S Redistributable Features Select <u>A</u>II <u>U</u>nselect AII 	ces? <u>Download it fro</u> n :DK	m the web Feature description: The configuration and operation of each instance feature of a SQL Server instance is Prerequisites for selected features: Already installed: Windows PowerShell 3.0 or higher Microsoft .NET Framework 4.6 Disk Space Requirements Drive C: 1001 MB required, 129117 MB available	
	Instance <u>r</u> oot directory:	C:\Program Files\Mi	crosoft SQL Server\	
	Shared feature directory:	C:\Program Files\Mi	crosoft SQL Server\	
	Shared feature directory (<u>x</u> 86):	C:\Program Files (x8	6)\Microsoft SQL Server\	
	1		< <u>B</u> ack <u>N</u> ext > Can	cel

12. Enter the instance name - enter SQLINELO17 instead of the default SQLExpress name

📸 SQL Server 2017 Setup			_	×
Instance Configuration Specify the name and instance	ID for the instance of S0	QL Server. Instance ID becomes part of the installation path.		
Global Rules Product Updates Install Setup Files	 <u>D</u>efault instance N<u>a</u>med instance: 	SQLINEL017		
Install Rules Installation Type License Terms	Instance <u>I</u> D:	SQLINEL017		
Feature Selection Feature Rules Instance Configuration	SQL Server directory:	C:\Program Files\Microsoft SQL Server\MSSQL14.SQLINELO17		

13. **Server Configuration**: in the SQL Server Database Engine choose Account Name NT AUTHORITY**SYSTEM**, in Startup Type options are to be **Automatic**

<u>Note</u>: If NT AUTHORITY**SYSTEM** is **NOT** displayed in the Account Name field, select **<<Browse...>>** from the list and in the **Enter the object name to select** field enter the word: **System**, and then click **OK**. The data will be completed automatically.

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Server Configuration Specify the service accounts and o lobal Rules roduct Updates istall Setup Files istall Rules	collation configuration. Service Accounts Collation				
Specify the service accounts and o obal Rules oduct Updates stall Setup Files stall Rules	collation configuration. Service Accounts Collation				
obal Rules oduct Updates stall Setup Files stall Rules	Service Accounts Collation				
oduct Updates tall Setup Files tall Rules					
tall Setup Files tall Rules	Microsoft recommends that you use	a separate account for each	SOL Server service.		
tall Rules				о т	
allation Tons	Service		Password	Startup Type	
ense Terms	SQL Server Browser	NT AUTHORITY\SYSTEM		Automatic V	
ture Selection		NT Service\MSSOL\$SQLINE			1
iture Rules	<u>G</u> rant Perform Volume Maintena	nce Task privilege to SQL Sen	ver Database Engin	e Service	
tance Configuration	This privilege enables instant file	initialization by avoiding zero	oing of data pages.	. This may lead	
rver Configuration	to information disclosure by allow	wing deleted content to be ac	cessed.		
abase Engine Configuration	Click here for details				
ture Configuration Rules					
allation Progress					
mpiete					
		< <u>B</u> ac	c <u>N</u> ext >	Cancel	
SQL Server 2017 Setup				- 0	~
Server Configuration					
Specify the service accounts a	and collation configuration.				
Global Rules	Service Accounts Collation				
Product Updates	Mississift and an all the t		QL Server sen	vice.	
Install Select User,	r, Computer, Service Account or Group		Password	Startup Type	
Installation Type Select this of	object type:		- district d	Automatic	~
License Terms User, Servie	ice Account, Group or Built-in security princip	al <u>O</u> bject Types.		Automatic	~
Feature Selection From this loc	cation:				
Feature Rules Entire Direc	ctory	Locations	er Database Er	ngine Service	
Instance Configuratio	biect name to select (examples);		ng of data pa	ges. This may lead	
Server Configuration SYSTEM		Check Name	essed.		
Database Engine Conf			_		
Feature Configuration					
Installation Progress <u>A</u> dvance	ed	OK Cancel			
Complete			.11		
			De als		-1
		<.	Dack <u>N</u> ex	Canc	.ei

14. **Database Engine Configuration**: in Authentication Mode, select **Mixed Mode** and enter the strong password, it will be needed in **DB Manager**.

Note: Without Mixed Mode you will not be able to run the program!

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📸 SQL Server 2017 Setup				_		×
Database Engine Config Specify Database Engine authen	juration tication security mode, a	administrators, data directorie	es and TempDB settings.			
Global Rules Product Updates Install Setup Files Install Rules Installation Type License Terms Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Server Configuration Specify the authenti Authentication Mod <u>W</u> indows authenti <u>Mixed Mode (SQ)</u> Specify the password: <u>Enter password:</u> <u>Confirm password:</u> Specify SQL Server a <u>INELO\abraczek (</u> Add <u>C</u> urrent User	Data Directories TempDB ication mode and administrat Je tication mode L Server authentication and W d for the SQL Server system a ••••••• administrators	User Instances FILESTI ors for the Database Eng /indows authentication) dministrator (sa) accoun	REAM ine. t. SQL Server ad have unrestric to the Databa:	ministrato ted access se Engine.	r5
			< <u>B</u> ack	<u>N</u> ext >	Cance	

15. Installation procedure

			A	EUROWA	G CC
髋 SQL Server 2017 Setup		_		×	
Installation Progress					
Global Rules					
Product Updates					
Install Setup Files	Install_tsqllangsvc_Cpu64_Action : RemoveExistingProducts. Removing applications				
Install Rules					
Installation Type					
License Terms					
Feature Selection					
Feature Rules					
Instance Configuration					
Server Configuration					
Database Engine Configuration					
Feature Configuration Rules					
Installation Progress					
Complete					
			6		
	<u>N</u> ext >		Cance	9	

16.Installation Complete

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				А	EUROWAC
📸 SQL Server 2017 Setup			-		×
Complete					
Your SQL Server 2017 installa	tion completed successfully with product upda	tes.			
Global Rules	Information about the Setup operation or	possible next steps:			
Install Setup Files	Feature	Status			
Install Rules	🧭 Database Engine Services	Succeeded			
Installation Type					
License Terms					
Feature Selection					
Feature Rules					
Instance Configuration					
Server Configuration	<u>D</u> etails:				
Database Engine Configuration	Install successful.				
Feature Configuration Rules					
Installation Progress					
Complete					
	J Summary log file has been saved to the fol	lowing location:			
	C\Program Files\Microsoft SOL Second 14)\Setup Bootstran\Log\20181022_114207			
	Summary braczeka 20181022 114207.tt	<u>d</u>			
				Close	e
				0.005	-

• Server configuration in **Database Manager**

1. Launch **Database Manager** (Start Menu -> All programs -> Inelo -> Database Manager). The program default location is: "C: \Program Files (x86)\Inelo\Utils\Database Manager\manager_db.exe"

2. Log in to the SQL server by entering the data as in the figure below:

INELO



SQL server logging				
SQL Server	ComputerName\SQLINEL017			
Login:	Administrator			
Password:	*****			
✓ not from INELO company Authentication				
O Windows Mode				
• Mix Mode (Windows + SQL)				
Login: sa				
Password:				
English	OK Cancel			

*SQL Server:***computer name**\instance name Password for the **Administrator** login: admin

The password for the **sa** login is the one we provided during the SQL installation

- 3. Click **OK** for the error
- 4. Go to Server -> Server Configuration -> **Configure** and wait.

		^
BRAC2	ZEKA\SQLINELO17 2018-11-06 06.370	
(1 lign L'optic +e de RECOI L'optic 1. Pou L'optic Pour ir L'optic +e de RECOI	es affect+es) n de configuration 'show advanced options' est pass 0 ¢ 1. Pour installer, ex+cutez l'instruction NFIGURE. n de configuration xp_cmdshell est pass+e de 0 ¢ r installer, ex+cutez l'instruction RECONFIGURE. n de configuration Agent XPS' est pass e de 0 ¢ 1. Istaller, ex+cutez l'instruction RECONFIGURE. n de configuration show advanced options' est pass 1 ¢ 0. Pour installer, ex+cutez l'instruction NFIGURE.	

5. After completing the configuration, connect the 4Trans program model base server by clicking **Attach**





6. Select the path to the 4Trans database files

	Rechercher un do	ossier	×
	Path to directory	with 4Trans database files	
S Attaching 4Trans database to server X		TachoScan Control TachoScan EN	^
Path to databases of 4Trans program		ISCMobile 2.0 UpdateManager Utils Aladdin Monitor	
Copy files to system databases directory		Database Manager ATDBModel	
	>	Intel	
Strong password	>	Microsoft Office	*
Next >> Cancel		ОК	Annuler

The exact path of the database model is:

C:\Program files (x86)\INELO\Utils\Database Manager\4TDBModel

7. After selecting the database model, click **Next>>**, wait for the database to be connected in and click **Finish**.



Everyting scripts		
Executing scripts		
		^
(4 lignes affect+es)		
(1 lignes affect+es) L'option de configuration 'show adva +e de 0 ¢ 1. Pour installer, ex+cute RECONFIGURE. L'option de configuration 'xp_cmdshi 1. Pour installer, ex+cutez l'instruction L'option de configuration 'Agent XPs Pour installer, ex+cutez l'instruction L'option de configuration 'show adva +e de 1 ¢ 0. Pour installer, ex+cute RECONFIGURE.	anced options' est pas 22 l'instruction ell' est pass+e de 1 ¢ on RECONFIGURE. ' est pass+e de 1 ¢ RECONFIGURE. anced options' est pas 22 l'instruction	ss : 1. ss *
-	El chi	

8. After the configuration, the server service must be restarted. Services -> SQL Server (SQLINELO17)
 -> Right mouse button -> Restart

The **Express** version of database server does not automatically create a backup copy of the database. TachoScan has a built-in database backup service. If you want to use it, you need to install the INELO Service. In the event of an error, please contact the software service.

Database update (older than SQL Server[™] 2008 R2): If you install SQLServer[™] 2017 or higher database server version, intermediate database migration of TachoScan (4TransMDF, 4TransKONFIG) to SQL Server[™] 2008 R2 must be done first.

3.3. Server

According to a standard procedure, server installation is possible after installation of the program (see: "<u>Program</u> installation shifts start-up (see: "<u>First launch</u> [40]").

If you want to connect the program database to an existing MSSQL server, go to the topic: "<u>Attaching and</u> <u>Detaching the database</u> 23".

When to install a server from a separate location?

- when the TachoScan program cannot be installed on the PC as the server;
- when standard server installation (see: "<u>First launch</u> ") does not proceed successfully.

Installation of the TachoScan server from a separate location:





3.3.1. Attaching and Detaching the database

WE STRICTLY RECOMMEND that only people who know the architecture of the MSSQL server or trained INELO Polska Sp. z o.o. employees/consultants attaching/detaching the database.

3.3.1.1. Running "Database Manager"

- 1. Select: "Start -> All programs -> INELO -> Utils -> Database Manager -> Database Manager".
- 2. In window "SQL server logging" (Fig. bellow) you should:
 - select the desired server if the server is invisible on the list, press on the button beside;
 - enter the administrator account password (default password: "admin");



QL server logg	ging	
SQL Server	SERVER_NAME	
Login:	Administrator	
Password:	****	
🔲 not from I	NELO company	
Authentication		
C Windo	ws Mode	
💿 Mix Mo	ode (Windows + SQL)	
Login:	sa	
Password:		
english	▼ OK Cancel	

Fig. Login to database.

When the server was installed from the other source than TachoScan install CD

- mark the option as below "not from INELO company";
- the the field: "Authentication" will be displayed and authenticated login option have to be chosen (this information should be provided by the server administrator), for option "Mix Mode" you should type dbo(sa) user password for the selected server;
- press the button: OK

3.3.1.2. Attaching database

1. After successfully logging in to the database in the SQL server and database manager window

(Fig. bellow) select **Attach** command from the **Database** menu or click on ¹⁰⁰ icon.





Fig. Selecting command "Attach".

- 2. In the next window you should point the localization of database files (Fig. bellow) and:
 - Press the button: Next >> , OR mark before:
 - option: "Copy files to system databases directory" (Fig. bellow), will copy database files to the default database folder. This option attaches the copied database files to the server.

The files of empty database are on the install CD: "(Nap d CD/DVD:) \Utils\Database".

If the above option is not selected then the program attaches to the server the previously selected database files,



Fig. Determining the localization of database files.

3. Program will start attaching databases according to the previously chosen options. When the operation is finished the following windows will show up (Fig. bellow):



Executing scripts			*
(4 rows affect New login crea New login crea New login crea Granted datab Granted datab Granted datab Granted datab '4TransUser'a Granted datab Granted datab Granted datab 'RaportUser'a 'EksportUser'a 'SpeedUser'ad	ed) ted. ted. ted. see access to 'ATransL ase access to 'RaportL ase access to 'Resport ase access to 'SpeedU ase access to 'ATransL ided to role 'sysadmin' ase access to 'ATransL ase access to 'ATransL ase access to 'RaportAT ided to role 'RaportAT ided to role 'RaportAT ided to role 'Exsport4 ded to role 'Exsport4 ded to role 'Exsport4	Iser'. Iser'. Iser'. Iser'. Iser'. Jser'. Jser'. Iser'. Trans'. Trans'.	E v
		Finish	Cancel

Fig. Finishing the process of attaching the databases.

During the operation the server generates messages that are shown on the display and are saved to file "ManagerDB_log.txt" in the directory from which "Database Manager" is run. The destination file is named: "manager_db.exe".

In case of any doubts whether the operations were performed correctly – please send "**ManagerDB_log.txt**" to email address: <u>support@inelo.pl</u>.

- 4. After attaching the database you should create and make available the directory (eg. named: "INELO"), where all documents, driver cards and tachograph readouts, scans of tacho discs and the backup of database are stored,
 - in the main directory (eg. INELO) create a folder of files stored by the module TachoScan (eg. **TachoScan**),
 - in the root folder (eg INELO) create a folder of documents (such as Documents),
 - in the root folder (eg. INELO) create a folder where a backup copy of the database (eg. **Backup**) will be saved,

All users who are running TachoScan MUST have full access to these folders. - It does not apply to the folder "**backup**".

The folder "backup" must appear on the same computer that is running MSSQL server.

The move program will only work properly on computers running MSSQL server.

Server services and SQL agent must be running for the proper operation of the program.



3.3.1.3. Detaching database

1. After successfully logging in to the database in the SQL server and database manager (Fig.

bellow) select Dettach command from the Database menu or click on



2. In the next box press the button:

Next >> , OR mark before:

• option: "After executing copy 4Trans database files to directory" (Fig. bellow), that will copy files to that database directory.

If this option is not selected the program will detach the database files and will leave them in the same folder in which they are located,



Fig. Selecting the destination of copy of database files.

The program will proceed to complete the database detaching job in accordance with pre-selected 3. options. After it is finished a window will appear (Fig. bellow):





Fig. Finishing of database detaching process.

In the course of the operation server generates messages which are visible on the screen and saved to a file "ManagerDB_log.txt" in the directory in which "Database Manager" is run. The destination file is named: "manager_db.exe".

In case of doubt whether the operations were performed correctly, please send the file "ManagerDB_log.txt" to support@inelo.pl.

The move program will only work properly on computers running MSSQL Server. Services and SQL Server Agent must be running to the proper operation of the program.

3.4. HASP Manager

We install HASP Manager depending on the possessed Windows®:

3.4.1. Windows® 10, Windows Server® 2008

To install and set up HASP License Manager under the Windows® 10, Windows Server® 2008 operating system, do the following:



3.4.1.1. Set up the installation file

- 1. Go to the website: "<u>http://download.inelo.pl/drivers/HASP_LM_setup.zip</u>" to download the installation file.
- 2. Extract the file "Imsetup.exe" to a local drive.
- 3. Change the properties of "Imsetup.exe" as follows:
 - a) Right-click the file in Windows Explorer.
 - b) In the file menu, click "Properties". The Imsetup.exe Properties dialog box is displayed.
 - c) Click the "Compatibility" tab.
 - d) In the "Compatibility mode" pane, select "Run this program in compatibility mode for:" then choose "Windows Vista (Service Pack 2)" from the list.
 - e) In the "Privilege Level" pane, select "Run this program as an administrator".

The dialog box should now appear as follows:

騺 Imsetup.exe Properties	X			
Security Details Previous General Compatibility Digital 9	Versions Bignatures			
If you have problems with this program and it worked correctly an earlier version of Windows, select the compatibility mode th matches that earlier version. <u>Help me choose the settings</u>	on at			
Compatibility mode	_			
Run this program in compatibility mode for:				
Windows Vista (Service Pack 2)				
E Run in 256 colors				
Run in 640 x 480 screen resolution				
Disable visual themes				
Disable desktop composition				
Disable display scaling on high DPI settings				
Bun this program as an administrator				
Change optimize for all users				
OK Cancel	Apply			

Fig. File's properties.

4. Click **[OK]**. The dialog box closes.

3.4.1.2. Install the HASP License Manager as a Service

- 1. In Windows Explorer, double-click "**Imsetup.exe**". The HASP License Manager installation wizard starts.
- 2. On the Installation Type screen (shown below), accept the default selection "**Service** (nhsrvice.exe)".



The application (nhsrvw32.exe) will not be executable.



Fig. "Installation type" window after changing the settings.

3. Complete the installation wizard.

When the installation of HASP Manager is finished, the start-up type for **HASP Loader** and **HASP License** *Manager* services must be changed from manual to *automatic*. ("Control Panel -> System and Security -> Administrative Tools -> Services").

3.4.1.3. Configure "Data Execution Prevention" to Allow the Service to Run

If Data Execution Prevention (DEP) is turned on for all programs and services, you must enter the HASP License Manager service executable as an exception. Do the following:

- 1. From the "Start" menu, select "Control Panel -> System and Security -> System".
- 2. In the System Properties dialog box, click the "Advanced" tab.
- 3. In the "Performance" pane, click "Settings".
- 4. In the Performance Options dialog box, click the "Data Execution Prevention" tab.
- 5. If option "**Turn on DEP for all programs and services except those I select**" is selected, do the following:
 - a) Click [Add].
 - b) Using the resulting dialog box, add to the list of DEP exceptions:
 - For 32-bit: "c:\windows\system32\nhsrvice.exe".
 - For 64-bit: "c:\windows\SysWOW64\nhsrvice.exe".

The dialog box should now appear similar to this:





Fig. "Data Execution Prevention" tab after adding the exception.

After this setup process is completed, the HASP License Manager operates without any additional special handling.

3.5. Device installation

This section addresses the topics of the installation of devices available from INELO Polska Sp. z o.o..

This topic presents you with information concerning installation of devices included in <u>the installation package</u> 5^h. An extended document describing the installation process is available in the manual: "**Other devices -** *tutorial.pdf*".

3.5.1. License key

There are two types of license keys you may find in the program installation package:

-OCAL license key			
The local license key has no additional markings on the casing.			
To install the (local) license key in the computer, simply insert it in the USB port and wait until			
Windows [®] installs it automatically.			





key.

Upon detecting a new device, the Windows® will install it automatically as the HID interface device.

The local license key is intended to work on one workstation.

NETWORK license key

The network license key has the marking: " - **NET** - " on the casing above a consecutive key number.

To install the (network) license key, first install the HASP Manager program (see: "<u>HASP</u> <u>Manager</u>[28]").

Then insert it to USB port and wait until Windows[®] installs it automatically.



The network license key is necessary to work at many workstations.

3.5.1.1. No licence key is inserted

The software is supplied with a so-called license key. Without the key the program will not start and will not work.

If a message appears informing the user that the license key is not present, check the following:		
Local key Network key		



1.	Whether the license key is inserted in a USB port of the computer on which the program is to be run.	1.	Whether the license key is inserted in a USB port of any PC connected via network with the computer on which the program is to
2.	If the key is inserted into a USB port check if it has been installed properly (see: "LOCAL license key [31]").	2. 3. 4.	be run. If the key is inserted into a USB port check if it has been installed properly (see: " <u>NETWORK license key</u> [31]"), Whether the license key options in the login window are set properly (see: " <u>Advanced</u> <u>logging</u> [46]"). Whether the key and HASP Manager are able to communicate with the computer on which the program is to be run (see: " <u>HASP</u> <u>Manager</u> [28]").

If during the attempt to start the TachoScan program continues to report the license key error you should contact the manufacturer's <u>service</u> 50⁻.

3.5.2. Flatbed scanner

The Canon flatbed scanner is a standard device for scanning images. Due to its low price, high accuracy and speed of operation, it is recommended by INELO for scanning tacho discs.



Fig. Cannon scanner.

Before connecting the scanner to the computer, install the drivers from the installation disc that comes with the device.

After installation of the drivers, simply connect the scanner with the USB port and wait until the Windows[®] installs it automatically.



3.5.3. Roller scanner

The SmartOffice PS283 scanner from Plustek is a standard device used to scan images. It is recommended by INELO to scan tacho discs owing to its low price, high precision and speed.



Fig. Plustek SmartOffice PS283 scanner.

Before connecting the scanner to the computer install drivers from the installation disc delivered with the device.

After having installed the drivers, connect the scanner to a USB port and wait until Windows system installs the device automatically.

3.5.4. TachoReader

TachoReader device is meant for downloading data from driver's cards. This is a fast, reliable and simple to use device.



TachoReader device (USB)



TachoReader device (PCMCIA or EXPRESS CARD)

In order to install driver's card reader you need to:



- Insert original install CD in drive;
- Connect reader to computer USB port;
- When Windows® system shows Installation window you should choose the first option:

"Install the software automatically (Recommended)" and press button

- System will start to install drivers and the device itself;
- After the system has installed the reader, the window of completing the installation wizard will be displayed.

If the driver has been installed properly, a green diode should illuminate on the reader.

3.5.5. TachoReader Basic

The **TachoReader Basic** device allows you to download data directly from the tachograph without connecting other devices. Using the tachograph, it is also possible to download driver card data. The device can store data in its internal memory until it is transferred to another media (for example, to a computer disk).

TachoReader Basic uses tachograph power supply while retrieving data, so no external power source is required. It is small, easy and convenient to use.



The device is not supported by Windows® 2000 and earlier operating systems.

To install **TachoReader Basic** on a computer, simply connect it to the USB port and wait until Windows[®] installs it automatically.



When it detects a new device, Windows® automatically installs it as a new mass storage disk.

3.5.6. TachoReader Combo Plus

TachoReader Combo Plus device allows to download data directly from a tachograph or a driver's and worshop 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 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 **TRC cable**) for reading data from the tachograph the device uses the tachograph power supply.

The device is not supported by Windows® 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[®] has performed the installation automatically.
- 2. In device manager you can find the installed **TachoReader Combo Plus** as USB Mass Storage Device.

3.6. Transferring the program to another computer

Before transferring data, please read the items below:

Notes before proceeding

If you have SQL Server other than SQL 2000 MSDE:

SQL 2000 MSDE (MicroSoft Desktop Engine) - obsolete version.

- 1. Select "Mixed Mode" as "Authentication mode" in the system configuration window for Microsoft SQL Server.
- Turn on xp_cmdshel and Agent XPs options support
 (you can do this from the "<u>Database Manager</u> [51]" in "<u>Server -> Configuration</u> [52]" menu).

It is recommended that the same version of TachoScan as installed on the old computer, is installed on the new computer.

3. After making the copy of the database, transfer the license key to the new computer.

NET network license keys require HASP LICENSE MANAGER driver installation.

For Windows[®] 7 64-bit and Windows[®] Server 2008 64-bit systems, HASP installation instructions and the drivers for these systems can be found at: "<u>http://download.inelo.pl/drivers/HASP_LM_setup.zip</u>".

For 4Trans 3.10 version, all of the directories and path names below have the old name: PCNETSERVICE instead of INELO.

If you are migrating a database from SQL 2000 to SQL 2012 or higher version, the intermediate database migration to SQL 2008 R2 must be performed first.



Dat	tabase			
Making a backup copy of the database (on the old computer)				
Making a backup copy of the database (on the old computer) A copy of the database should be made using: "Database Manager [51]" software: 1. Run the program (see: "Running "Database Manager" [23]"). 2. After logging in the Database Manager window menu, select: "Backup -> Backup database". 3. In the next window, click on: << Advanced 4. After setting the "database copy path" make a two consecutive FULL copies of 4TransKONFIG and 4TransMDF databases. Image: Comparison of Backup copy in the Comparison of Backup copy in t				
Re	Fig. Creating database backup copies.			
Before restoring the database from the backup, you need to install TachoScan and TachoScan server on the new computer (server is installed automatically when you first run TachoScan). The server can be installed manually by downloading the installer from " <u>www.tachoscan.com</u> " -> Download tab.				
The 1.	e database should restored using: " <u>Database Manager</u> الله" software: Run the program (see: " <u>Running "Database Manager"</u> 23").			
2.	After logging in the Database Manager window menu, select: "Backup -> Restore database".			



8.	In the next window, click on:
4. -	selected, the program enters the same second path by default (item a).
ō.	Select each database (item 2). Restoring 4Trans database from backup
	Database backup files Path to directories with 4TransMDF database backup files E:\moja_kopia_bazy_4Trans
	Next >> Cancel
	Fig. Restoring the database copy.
<u>.</u>	Click: Next >> .

Moving supporting folders

This operation is performed after the database is restored, before the first start of TachoScan.

After making the copy of the database on the old computer and restoring the backup on the new one, the final step is to copy from the old computer the folders in which, among others, digital readouts and record sheet scans are stored.

To do this:

On your old computer

1. Launch TachoScan, log in as administrator (the default password is "admin").





4. First launch

The topic below presents the program setup process before the first start.

Before the first start of the program it is **required** to sign in to an account with administrative privileges in the operating system.



4.1. Step 1 - select program mode

When you first start the program it displays a window: **Step 1 - select program mode**, where, depending on your needs, select:

Standard (single-user mode)
Please, read the description in the window (Fig. bellow).
First start-up of program 4Trans
Step 1 - select program mode Please (Nect program mode) Single-workstation version, no users management, local database.
Advanced (multi-user mode) Multi-user mode with user management and database server on the local PC
© Select an existing 4Trans server. Database server on other PC Server: Server: • •
Standard version does not offer the advanced users and module privileges management system. The program database is installed on the local PC (having 4Trans client installed as well) and there is no access to other 4Trans databases.
4Trans - FirstRun Language English ✓
If the above program mode is correct, left-click on the: Next >> - button - the program will display: " <u>Step 2 - server initiation</u> 44" window.

Advanced (multi-user mode)

Please, read the description in the window (Fig. bellow).

INELO	
A EUROWAG COMPANY	

First start-up of program 4Trans	
Step 1 - select program mode	
Please select program mode	
Standard (single-user mode)	
Single-workstation version, no users	management, local database.
Advanced (multi-user mode)	
Multi-user mode with user managem	ent and database server on the local PC
Database server on other PC	
Server: Server	
program will automatically perform the installation	ocal computer works as the server for multi-client solution. The of the Microsoft SQL Server (free version) and attach an empty
database.	
4Trans - FirstRun	
Language English 👻	Next >> Close
	Nevt >>
If the above program mode is correct, left-	click on the: button - the program will
display: "Step 2 - server initiation 4" window	

Select an existing 4Trans server.

Please, read the description in the window (Fig. bellow).



	First start-up of program 4Trans	×
	Please select program mode	
	Standard (single-user mode)	
	Single-workstation version, no users management, local database.	
	Advanced (multi-user mode)	
	Multi-user mode with user management and database server on the local PC	
	Select an existing 4Trans server.	
	Database server on other PC	
	Server: Server	
	Select this option for multi-client installation. In the field below select or input the path to the existing server w attached database of the program 4Trans. The default path to the server with attached database consists of the	/ith
	computer name, the character "\" and the instance name (e.g. "KOMP01\JNELO"). Note that for the multi-client of the existing firewall application needs to be correctly configured. For a detailed description of the multi-client	peration
	installation refer to the program help file and installation manual. CAUTION	
	 In the multi-client mode all workstations need to have a full access to the directory "4Trans" containing the pr documents. Refer to the program documentation for further information concerning the directories. 	rogram
	2. In case of the program database installation in the existing MSSQL Server, follow the installation manual.	
	4Trans - FirstRun	
	Language English Next >>	Close
Summing up, th	this option can be selected only when:	
 the pro 	rogram connects with an existing server that has the TachoSca	n database connected
beforel	ehand.	
To connect to t	the existing server with the database:	
 clicking 	g on the icon: 🥸 will refresh the list of servers;	
 click th 	he button: 🔽 (item 1 - Fig. above):	
	a desired convertice the list	
 select a 	a desired server from the list.	

If a desired PC is not on the list of servers, please make sure that PC-server communication has been unlocked through the ports:

- 1433, 1434 at UDP protocol; - possibly for HASP Manager check 475 port at UDP and TCP protocol - if the network license key is installed on the same PC.

After installation of TachoScan program server IT IS NOT RECOMMENDED to change the name of the PC, on which the server has been installed.

If you want to connect TachoScan database to an existing MSSQL server, go to the topic: "Attaching and Detaching the database 23".

The program will be started after connecting to TachoScan, server is completed.



4.2. Step 2 - server initiation

If in the first step you selected: **Standard (single-user mode)** or **Advanced (multi-user mode)**, **Step 2** - **server initiation** window appears in the next step.

🌈 First start-up of program 4Trans		×
Step 2 - server initiation		
Microsoft SQL Server is required before the p	program may be launched.	
Install SQL Server from specified Ic	Browse	
Install SQL Server from website		
Option allows installing the SQL Server directly	tly from the installation drive or from the specified location on the local l	PC.
4Trans - FirstRun		
Language English 👻	<< Previous Run Close	

Install SQL Server from specified location:

This option is automatically checked if TachoScan is installed from the original installation media.

Browse... - possibility of indicating any installation path:

- **Microsoft® SQL Server™ 2017 Express** for Windows® 8.1, Windows Server® 2012, Windows Server® 2012 R2 (required filename: "InstallSQL2017.exe");
- Microsoft® SQL Server[™] 2019 Express for Windows® 10 and Windows® 11 (required filename: "InstallSQL2019.exe");

Install SQL Server from website

If the TachoScan installer does not find the SQL Server installation file, it checks the above option - the installer is downloaded from the Internet.



During the first run, the database server is installed: - Microsoft® SQL Server™ 2017 Express for Windows® 8.1, Windows Server® 2012, Windows Server® 2012 R2; - Microsoft® SQL Server™ 2019 Express for Windows® 10 and Windows® 11.

SQL Server™ 2017 Express database limitations:

- support for one physical processor;

- 1410 MB of RAM;

- database size: 10 GB.

If the maximum database size (10 GB) is not sufficient, you need to purchase the latest commercial version of Microsoft® SQL Server[™]. When installation is finished you have to reboot your computer.

During the installation process the program will automatically create folders for saving of tacho disco images, files with readings from digital driver's cards, documents and backup of database.

The default path: "... Wy documents \User \NELO \",

where: User - is the name of user who logged in to Windows® system.

After installation, the database program may display the following screen:

[Company] New Company		
In the New company window, enter your company's data		
or in the window:		
Act	tive company selection ×	
Se	elect the active company	
	~	
	ОК	
	Fig. Window of active company selection	
select the active company.		
After selecting/saving, the prop	per program window will be launched.	

4.3. Log in

4.3.1. Simple logging

The option unavailable for Standard (local work) mode of program work. If you want to change the mode of program work go to topic: "<u>The change of working mode to Advanced</u> [49[\]]".



After program installation in the database, there exists only one "Administrator" account, to which to log on. We enter: **administrator** as a user, password: **admin**.

4110113		
User:	administrator	
Password:		
English 👻	OK Cancel Help	>>

Fig. Simple logging.

4.3.2. Advanced logging

The option unavailable for Standard (local work) mode of program work.	
If you want to change the mode of program work go to topic: " <u>The change of working mode to Advanced</u> [49 ⁵]".	

In order to change a server or network key option, select the button: (Fig. bellow):

🌈 4Trans		×
User:	administrator	
Password:		
English 👻	OK Cancel Help	>>

Fig. Button ">>"

The log window will be expanded with additional options:

🌔 4Trans	—X —					
Server:	SERVER_NAME					
User:	administrator					
Password:						
Network key options						
🔲 Use specific address 📃 👻 📀						
🕼 Set timeout 1 📩 s						
English 🗸	OK Cancel Help <<					

Fig. Advanced options

• Server (Fig. above)

This is a drop-down list of MS SQL servers available (visible) in the network. In order to refresh the list, push the button: ⁽¹⁾ (Fig. above). If, due to some unpredictable reasons, the server which we want to connect to is not visible, then you can type in its name.

• Use specific address

This is a drop-down list of available (visible) HASP license managers. In the case when a "HASP



Manager 28th is active on the computer that is logging to a domain different than the computer with installed TachoScan client, then the client will not be connected to this manager as a default one. It is necessary to activate this option and type the IP address of the computer along with installed HASP Manager.

If, however, this option is unchecked, the program searches the network for active HASP license managers (only in the domain to which the computer is logged);

• Set timeout

This option makes it possible to set timeout ([s] – seconds) that the program should wait for response from computers when searching for key managers in the local network – increasing the time limit to more than 1 second is justified in the case of a low network transmission rates.

4.3.3. Paths settings

The option unavailable for Standard (local work) mode of program work. If you want to change the mode of program work go to topic: "<u>The change of working mode to Advanced</u> ^{[49}]".

After you have logged a window will be displayed on which three paths to directories should be set:

Repository directory
One of required directories is not set
To continue set all directories
Working (network) directory of the system
C:\Users\User\Documents\INELO
Path for the TachoScan module files
C:\Users\User\Documents\INELO\TachoScan
Document directory path
C:\Users\User\Documents\INELO\Documents
Database backup directory
C:\Users\User\Documents\INELO\Backup
OK Cancel

Fig. Repository directory.

to the main 4Trans folder (default path "...\Program Files\INELO");

• for 64-bit systems, depending on the Windows® version:

- "...\Program Files (x86)\NELO\".
- to working (network) directory of the system (default path "...\Documents\INELO");
- to TachoScan module files (default path "...\Documents\INELO\TachoScan");
- to back-up copy (default path "...\Documents\INELO\Backup");
- to the folder with documents (default path "...\Documents\INELO\Documents").



Paths can be typed using the keyboard or chosen by clicking the button: \fbox .

If a path to a folder is correct, it will be shown in green. Similarly, an incorrect path will be shown in red.

If the system operates in the network with several positions, the paths need sometimes be set to remote computers.

A user logged on a computer must have full access to the INELO catalogue made available to him.

4.4. Granting rights / privileges

The option unavailable for Standard (local work) mode of program work. If you want to change the mode of program work go to topic: "<u>The change of working mode to Advanced</u> [49]".

The TachoScan can be used by many users simultaneously, each user works within the authorization set by the administrator. The administrator has control over users, creating their accounts and granting them appropriate **rights**.

The standard menus are not available for the administrator, but the advanced settings, such as directory paths, database backup parameters, user management and access rights settings are available.

In order to grant licenses to a user (users) you need to log on to the program as "**Administrator**" (see the topic above "Logging"), and then:

- from the menu **Basic data** select option **Settings** and add a new user in the option **users**.
- In the Templates add a new license pattern and attribute it to a user.

4.5. Database backup settings

The option unavailable for Standard (local work) mode of program work. If you want to change the mode of program work go to topic: "<u>The change of working mode to Advanced</u> [49]".

Use menu "**program settings**", option "**Database backup settings**", to define the frequency for the backup copy and the type of the copy to be created.



4.6. Program activation

After purchasing, TachoScan may require activation (unless you paid directly). Prior to activation, a window informing about the required activation appears and you are asked to enter respective code.

There are 2 possible reactions now:

- <u><u>Yes</u> the following window, for activation code input appears,</u>
 - -continue to work with the program without activation.

If the program is not activated within the specified time limit, it will be blocked.

If an improper activation code is entered 3 times, the license key will be blocked permanently. In this case it is necessary to refer to the producer's intervention service that is provided against payment, according to the actual INELO Polska Sp. z o.o. price list.

4.7. TCP/IP Port for MS SQL Server

To read out the number of TCP/IP port for MSSQL server:

- Start the program "SQL Utility" from menu: Start -> Programs -> INELO -> SQLDatabase.
- 2. Select the TCP/IP field in the right paneland click Properties.
- 3. A port created dynamically during installation, on which the created database operates, is displayed

in a new windowin the Default Port field. Copy it (e.g. **1997)**) and configure existing firewall programs to enable communication with this port on TCP.

4. In case of program base malfunction, e-mail the content of the logging file (4Trans_log.txt in the directory "My Documents") to INELO Polska Sp. z o.o. (e.g., via email to <u>serwis@inelo.pl</u>). The file can also be opened from the menu:

Start -> Programs -> INELO -> SQLDatabase -> Install Logs

5. Program launch mode

5.1. The change of working mode to Advanced

To change from Standard (local work) mode to Advanced mode you have to:

- Close program when it is open,
- Re-open it from menu: "Start -> Programs -> INELO -> TachoScan -> Administrator",
- In login window fill the field: "User" -> "Administrator", enter the default password that is: "admin",



The program will open with so called "Administration panel" without basic functions but with the possibility to make the advanced settings like the setting of paths for saving of files, managing the users (see: program help).

 Once the program is open you have to move to program settings ("Administration panel -> Settings"), and in tab: "Support" change option for: "Program launch mode" from "Standard" to "Advanced".

If the program will work in Advanced mode you have to remember about adding new users and setting the privileges for them (see: program help).

5.2. The change of working mode to Standard

To change from Advanced mode to Standard (local work) mode you have to:

• Restart program and login as: Administrator - the default password is: admin,

The program will open with so called **Administration panel** without basic functions but with the possibility to make the advanced settings like the setting of paths for saving of files, managing the users (see: program help).

 Once the program is open you have to move to program settings ("Basic data -> Settings"), and in tab: Support change option for: Program launch mode from Advanced to Standard.

If the program will work in standard mode you have to remember that:

- program will not display login window during start up – this means that any person can open it and feel free to add, edit and delete records;

- program will run with all available functions written on the license key;

- to login again to Administrator's account you have to run program from the menu: "Start -> All programs -> INELO -> TachoScan -> Administrator".

6. Additional information

6.1. Support and service

INELO Polska Sp. z o.o.

Support and service

e-mail: serwis@inelo.pl



tel.: +48 (22) 113 40 60

6.2. Database Manager

Database Manager is a program used to manage the server and TachoScan database program. With the help of this tool it is possible to attach and detach a database, read the attached information on the database, create a backup of the database, etc.

Before the work in the program should connect to the database, including the steps:

- 1. Select: "Start -> All programs -> INELO -> Utils -> Database Manager -> Database Manager".
- 2. In window "SQL server logging" (Fig. bellow) you should:
 - select the desired server if the server is invisible on the list, press on the button beside;
 - enter the administrator account password (default password: "admin");

SQL server log	ging								
SQL Server	SERVER_NAME								
Login:	Administrator								
Password:	****								
not from INELO company									
Authenticat	ion								
C Windows Mode									
Mix Mode (Windows + SQL)									
Login: sa									
Password:									
english	OK Cancel								

Fig. Login to database.

When the server was installed from the other source than TachoScan install CD

- mark the option as below "not from INELO company";
- the the field: "Authentication" will be displayed and authenticated login option have to be chosen (this information should be provided by the server administrator), for option "Mix Mode" you should type dbo(sa) user password for the selected server;
- press the button: OK

In program menu there are following options:



6.2.1. Server

Information

The clicking on this command opens a window containing information on selected technical data of the server.

Current connections

In the window "**Current connections list**" will appear the names of computers and applications, with the help of which users connect to the TachoScanserver. The window also includes the information about the time of user login and time of last activity.

Server configuration							
The command is visible if the option: " <u>not from INELO company</u> [si ^h]" was checked during logging in (if the server was installed from a source other than the installation CD TachoScan).							
In the new window, after clicking on the: Configure button the features: "CMD_SHELL" and "XP_AGENT" are activated.							
Class							

Close

Use this command closes the Database Manager.

6.2.2. Database

Information

The window contains information about database files connected to TachoScan server.

Depending on the selected database file, you can view information on the location of the file, its size and status.

Attach

The subject of **attaching** the database was covered in the topic: "<u>Attaching database</u>²⁴".

Detach



The subject of "**detaching**" the database was covered in the topic: "<u>How to DETACH the</u> <u>database</u>? [27]".

Shrinking transaction log						
Using this command, you can reduce the size of the database files with the extension " LDF ".						
The size of files with the extension "LDF" is reduced automatically when you create a backup of the database.						
If for some reasons, the backup copy is not made the size of files "LDF" grows infinitely.						
There are two ways to reduce the file size:						
• Simple mode - by pressing the button the size of ALL "LDF" files is reduced,						
• Advanced mode - <pre>- in the expanded view you can select the database</pre>						
file, which is to be reduced.						

6.2.3. Backup

Backup database							
As a result of choosing this option, you'll see a window with three tabs:							
Creating the copy,							
 Schedules - it is the same option as in the administration panel (see: program Help), 							
 Status of making - this is the same option as in the administration panel (see: program Help), 							
Creating copies							
1. Simple mode - this mode is created from a backup copy of all database files.							
To create a copy:							
 first identify the directory to which you want to copy the database files, 							
• Press the button: Backup.							
2. Advanced mode - this mode allows us the choice of the database file and the type of backup.							
To create a copy to:							
Click the button: << Advanced,							
 Select the database file, 							



- Select the type of backup copy,
- Identify the directory to which you want to copy the database file,
- Press the button:
 Backup

	This tool allows restaring data from provinusly performed a baskup of the database
То с	do this you must:
1.	Simple mode:
	 specify the folder with a copy of the database files,
	• press: Next >>
2.	Advanced mode:
	Click the button: << Advanced,
	 Select the directory containing the file "4TransMDF.bak",
	 Select the directory containing the file "4TransKONFIG.bak",
	• Press the button: Next >> .
The	program will proceed to restore data from backup. The result will be displayed in the Database
war	nager.
ſ	When restoring data from a backup copy the extreme caution is needed because the data contained in the currently attached database will be permanently lost.

6.2.4. Data import

Allows to copy data from the old TachoScan software to the new database of TachoScan.

If you need to import data from the old TachoScan software, contact the manufacturer's service 5.

6.2.5. Databases management

The menu is available after marking the option: "show options for managing the multiple databases [55]".



New database

Using this command, you can create a new blank database, which will be automatically attached to the server.

Options for handling multiple databases are dedicated to the service version of program, so when you create a new database program will display the window in which abbreviation of company name should be given.

If you have previously selected: "Create the full backup of database when changing the data" the program will proceed to back up the detached database. Subsequently, the c

The new database will be created in the directory set by using the: "**Parent directory**". In turn, the "**parent directory**" will create a folder with the name specified before in "**Company abbreviation**", and the database files will be placed in it.

Current database will be detached and the new one will be attached.

Choose database

Using this command you can change database. This tool acts as a combination of options: "Dettach [s2]" and "Attach [s2]" the database.

To connect to another database if you select the above indicate the directory in which the database to connect and press the button: $\bigcirc \kappa$.

Parent directory

With this command you can set the directory, which will be stored in a newly created database.

6.2.6. About

Settings

In the settings window you can select the following options:

show options for managing the multiple databases

As a result of the selection of this option using the **Database manager** you can import data from several databases TachoScan Service version (see: "<u>Data import</u> [54]").

Also, when you select this option is activated menu group: "Databases management 54".



Create the full backup of database when changing the data

During changing of databases the program creates the full backup of detached database.

About

In window "About" information on "Database manager" are displayed.

6.3. Glossary

Program Help - this is a file that contains basic information on the operation and maintenance of TachoScan program.

											F1
To view t	this file	you should	choose fro	m the	program	menu,	the: " H	lelp ->	Help"	or press:	-





