

GEOTEC SETUP

GEOTEC INSTALLATION

Geotec can be installed on local workstation or on a server (server station).

1. Installation on a workstation

Installation on a local workstation allows faster access to the software. Follow the installation steps on a local drive.

2. Installation on a server

The network installation allows updates to be done only at one location. Users will have access to Geotec through shortcuts on their workstation.

Create a directory on the server where Geotec will be installed and from which a mapping can be generated for your users. The users will have full privilege access to that directory. For example, create "C:\Sobek\" where Geotec will be installed. Then, follow the installation steps on the server.

3. Installation steps

1. Download and execute Geotec8xxx.exe.
2. The welcome window for *Geotec Installation* is displayed. Click **Next**.
3. The *License Agreement* is displayed. Read, accept and click **Next**.
4. The *Destination Folder* C:\Geotec\ is proposed by default. If desired, modify this folder by clicking **Change...** then click **Next**.
5. When *Ready to install* window is shown, click on **Install**.
6. All installation directories, shortcuts, files and parameters are then created.

GEOTEC UPDATES

The use of any Geotec version requires a valid GeoPlus contract on the date of the version. All updates include the previous ones.

1. Steps for software updates

1.1. Via Geotec8xxxu.exe

To come.

1.2. Via Patch.zip

1. Download the version (.zip format) to install
2. Close all Geotec modules. If the installation is on server, it is important to close the Geotec modules on all workstations connected to the server.
3. Make a backup copy of the Geotec\Bin directory
4. Unzip all files into Geotec\Bin and accept the file replacement

2. Steps for database update

1. Launch DBM
2. Select the task "Update your database"
3. Select the database
4. Click on Execute
5. Accept the table groups by clicking OK

ODBC LINK

All Geotec modules connect to a database. An ODBC link must be established for the modules to connect to it.

1. ODBC for Access or SQLite

During installation, a connection string is entered as argument in the **Target** field of the shortcut properties of the Geotec modules. This connection string uses the **Geotec_Access** ODBC link. By having an ODBC link in the connection string, the last database opened, whether Access or SQLite, will connect to it.

The user can validate the ODBC links or create new ones via the ODBC Data Source Administrator (32-bit) of Windows.

1. Go to the User DSN tab
2. Verify if the ODBC link exists and if it points to a valid database, via **Configure....** or
3. Add a new ODBC link via **Add**, then select the Microsoft Access Driver (*.mdb) or SQLite3 ODBC Driver, the name of the data source and the associated database.

2. SQLite driver

To use **SQLite (.db3)** databases, the SQLite ODBC driver must be installed on the workstation. To do so, from the workstation, launch **sqliteodbc.exe** from the Geotec\Config directory (on the server or the local disk).

3. ODBC for SQL Server, MySQL or Oracle

To connect to an SQL Server, MySQL or Oracle database, an ODBC link must be created. This ODBC link will be used in the connection string entered as argument in the **Target** field of the shortcut properties of the Geotec modules.

1. Open the ODBC Data Source Administration (32-bit) of Windows
2. Go to the User DSN tab
3. Click on Add
4. For SQL Server:
 - a. Select the correct driver: SQL Server, SQL Server Native Client 11.0 or another
 - b. Enter a name for the data source
 - c. Enter the name of the server where the Geotec database is installed
 - d. Indicate the type of SQL Server authentication used
 - e. Keep the default database as the Geotec database
 - f. Finish and test the data source
5. For MySQL:
 - a. Select the MySQL ODBC 8.0 Ansi Driver
 - b. Enter a name for the data source
 - c. Enter the name of the server where the Geotec database is installed
 - d. Enter the username, password and name of database
 - e. Test the data source, then click OK.
6. For Oracle:
 - a. Select the Microsoft ODBC for Oracle driver
 - b. Enter a name for the data source
 - c. Enter the user name
 - d. In the Server field, enter the connection chain (alias) defined in the tnsnames.ora file of the Oracle installation on the workstation
 - e. Click OK

4. DSNCreate tool for SQL Server

The **DSNCreate.exe** file in the Geotec\Config directory is used to automatically create the ODBC data source for an SQL Server database. You must edit the **DSNParam.txt** file found in the same Geotec\Config directory.

Both files (DSNCreate.exe and DSNParam.txt) must absolutely be together in the same directory.

1. Enter the name of the user data source after **DSN=**

2. Enter the name of the server after **Server=**
3. Enter the name of the Geotec database on the server after **Database=**
4. Confirm the names of the SQL drivers to use after **Drivers name=**
5. Enter a description of the data source
6. Indicate “Yes” for Windows authentication, or “No” for SQL Server authentication after **Trusted_Connection=**

When the DSNParam.txt file is completed, **launch DSNCreate.exe with DSNParam.txt as argument** on each workstation that will require an access to the Geotec database on SQL Server.

WORK ENVIRONMENT IN THE REGISTRY

When closing a Geotec module, the work environment is saved in the registry of the workstation, and includes:

- names and directories of the last databases and data files;
- names and directories of the last style, marker, pattern and logo files;
- customizing of entry forms;
- default drawing attributes;
- etc.

The information in the registry will be used next time the module is opened. The registry parameters are found in this tree structure:

```
HKEY_CURRENT_USER\Software\SOBEK
```

1. HKLM parameter for HKEY_LOCAL_MACHINE

For specific cases where a computer is used by several users (ex: computer rooms at university), it may be better to read the registry parameters in the HKEY_LOCAL_MACHINE tree (for the computer) instead of the HKEY_CURRENT_USER tree (for the user).

To do so, add the HKLM parameter as argument in the Target of the module shortcuts:

```
C:\Geotec\bin\Log.exe geotec/sobek@geotec_access HKLM
```

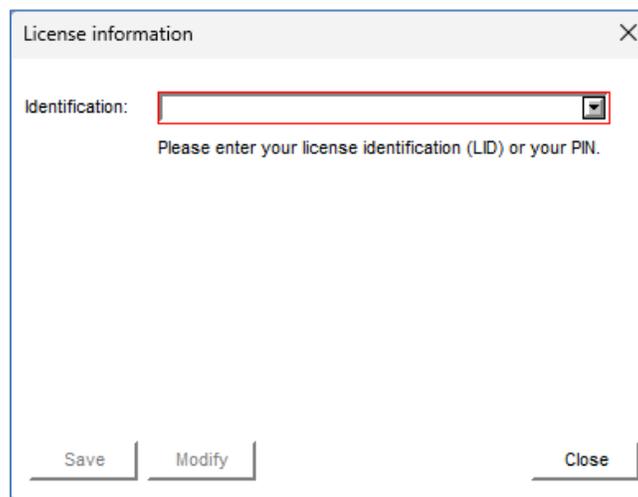
Then, Geotec will read the values in HKEY_LOCAL_MACHINE, followed by HKEY_CURRENT_USER if they don't exist at the first place.

Note that the variables are only saved in HKEY_CURRENT_USER. In HKEY_LOCAL_MACHINE, only parameter reading is done. The insertion of parameters in HKEY_LOCAL_MACHINE can only be done through a .reg file or manually.

LICENSE ACTIVATION

Find the steps to activate the license on the workstation.

1. Double-click on the shortcut of the module purchased or in trial on the Desktop or via the server location.
2. In the License information window, enter the LID (license identification) provided by Sobek.
For a trial license, the LID starts with T.
For an individual license, the LID starts with W.
For a removable license, the LID starts with R.
For a network license, the LID starts with N.
3. Save. The license information will be displayed.



License information

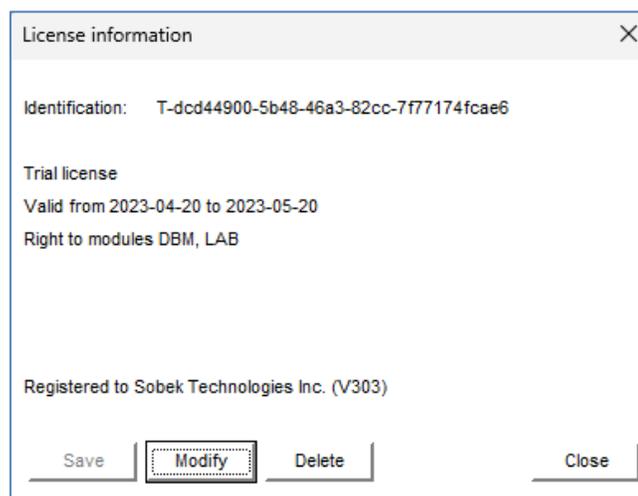
Identification:

Please enter your license identification (LID) or your PIN.

Save Modify Close

Trial License (T)

The LID provided for a trial license allows the use of one or several modules for a limited period. The LID can be used on multiple workstations.



License information

Identification: T-dcd44900-5b48-46a3-82cc-7f77174fcae6

Trial license
Valid from 2023-04-20 to 2023-05-20
Right to modules DBM, LAB

Registered to Sobek Technologies Inc. (V303)

Save Modify Delete Close

Licensing information can be viewed via the **Help > License** menu in any module and indicates:

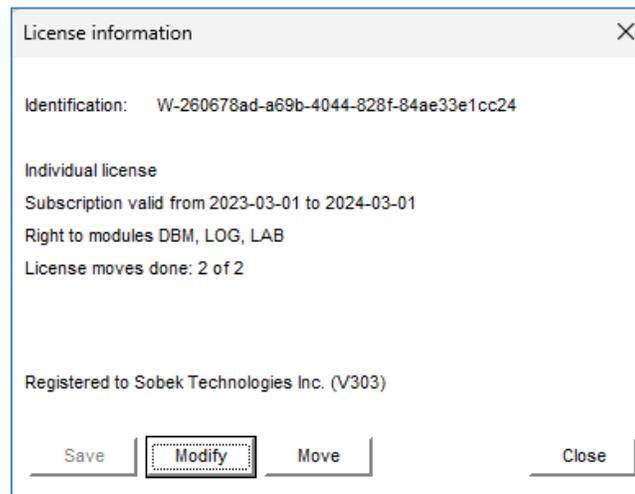
- The license identification (LID)
- The start and end dates of the trial
- The modules in the trial
- The company to which the license is registered

Click **Modify** to enter a new LID.

Click **Delete** to delete the trial license from your system.

Individual License (W)

The LID provided for an individual license can only be registered to one workstation and user. It is possible to use Geotec via a remote computer but for one user only. The individual license can be moved to another workstation a maximum of 2 times per year.



Licensing information can be viewed via the **Help > License** menu in any module and indicates:

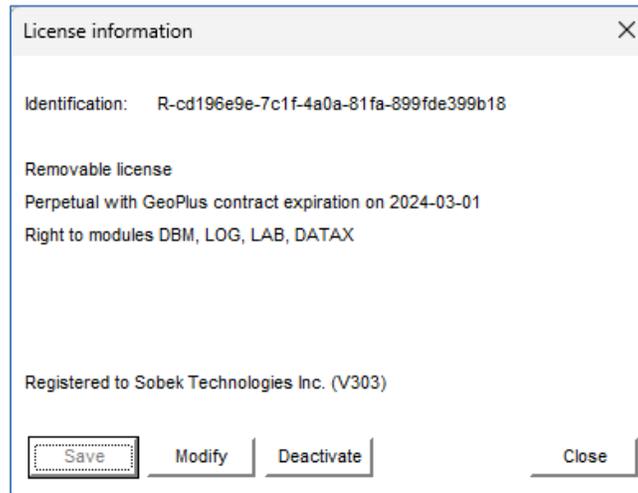
- The license identification (LID)
- The type of license (individual)
- The duration of license (subscription or perpetual)
- The start and end dates of the subscription, or the expiration date of GeoPlus contract
- The modules to which you are entitled
- The number of license moves done
- The company to which the license is registered

Click **Modify** to enter a new LID.

Click **Move** to delete the individual license from your system. You will then be able to register the LID to another workstation. **WARNING:** The license can only be moved 2 times per year.

Removable License (R)

The LID provided for a removable license can only be used on one workstation at a time. The license remains associated to the workstation until it is deactivated by the user. It then becomes available for another workstation. There is no limit to the number of moves.



Licensing information can be viewed via the **Help > License** menu in any module and indicates:

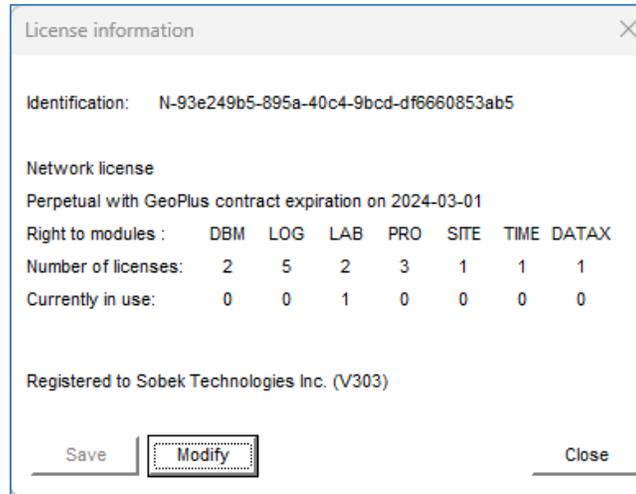
- The license identification (LID)
- The type of license (removable)
- The duration of license (subscription or perpetual)
- The start and end dates of the subscription, or the expiration date of GeoPlus contract
- The modules to which you are entitled
- The company to which the license is registered

Click **Modify** to enter a new LID.

Click **Deactivate** to make the license available for another workstation. The next time you open Geotec, the last used LID will be available in the drop-down list.

Network License (N)

The LID provided for a network license can be entered on any workstation. By launching a module, a license is then associated to the workstation and becomes unavailable to the other users. By closing the module, the license becomes available again.



Licensing information can be viewed via the **Help > License** menu in any module and indicates:

- The license identification (LID)
- The type of license (network)
- The duration of license (subscription or perpetual)
- The start and end dates of the subscription, or the expiration date of GeoPlus contract
- For each module, the number of concurrent licenses to which you are entitled
- For each module, the number of licenses currently being used
- The company to which the license is registered

NOTE: After 60 minutes of inactivity, the license becomes available to another user, if needed. The user can still save his modifications upon his return.

Click **Modify** to enter a new LID.