Installation instructions
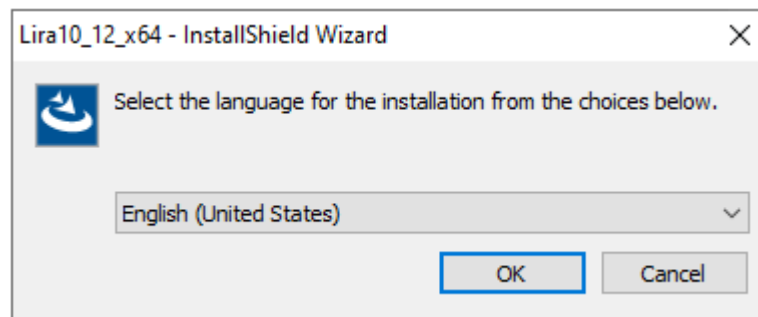# SP LIRA 10.12

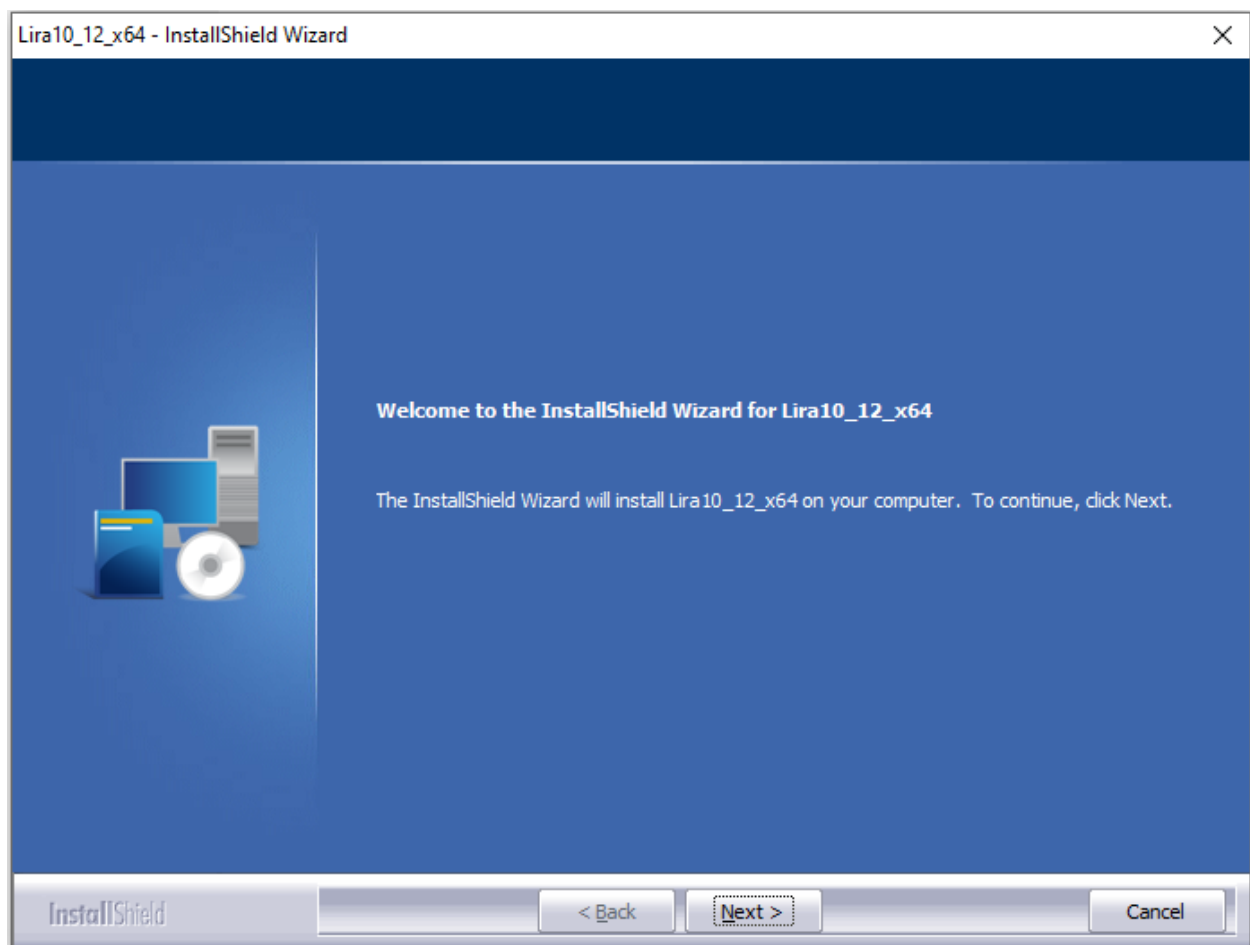# Content

1. Installing the program and local license

1. Run setup.exe.

2. Select the language for the installation, click "OK".

3. Select "Next".

Lira10_12_x64 - InstallShield Wizard ✕

Choose Destination Location
Select folder where setup will install files.

Setup will install Lira 10_12_x64 in the following folder.

To install to this folder, click Next. To install to a different folder, click Browse and select another folder.

Destination Folder
C:\Program Files\Lira Soft\Lira 10.12\   Browse...
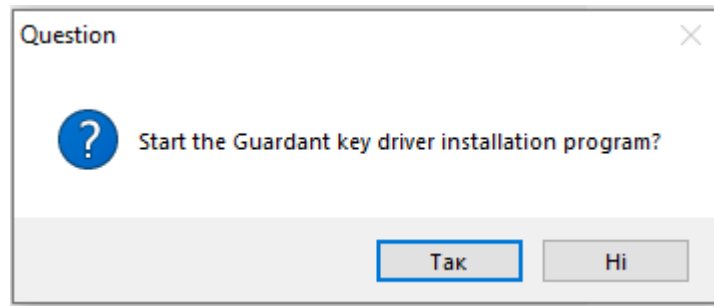
InstallShield   < Back   Next >   Cancel

4. To change the destination folder, click "Browse ...", then select "Next".

Lira10_12_x64 - InstallShield Wizard ✕

Ready to Install the Program
The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

InstallShield   < Back   Install   Cancel

5. Select "Install".

2. Installing the Guardant dongle driver

At the final stage of the installation, a dialog box will appear asking to install the Guardant key driver.

Select «Yes». If the driver was installed earlier, you can skip this step.

General installation progress of the Guardant dongle driver:

1. Install the Guardant USB dongle driver included in the package.
2. Restart your computer if necessary.
3. Connect the Guardant USB dongle into any available USB port on your computer.

Note!

• SP LIRA 10.12 works with Guardant dongles version 7 or later.

• The driver must be installed, if a Guardant dongle is connected to the port of this computer.

• Guardant USB electronic dongles can be used on operating systems that support the USB standard: *32- and 64-bit OS of MS Windows 10/8/7 family*.

• **Connecting and disconnecting** Guardant USB dongles can be performed both with the computer turned on and with it turned off.

• The USB dongle should be connected to the port **only after installing** the Guardant driver. If the dongle was connected before the driver was installed and the standard Windows USB device Wizard was launched, you should remove the dongle from the port and cancel the work of the Wizard.

• To avoid the file splitting error, all applications **must be closed** during driver installation (especially those applications that can work with the Guardant driver).

• The user working with MS Windows 10/8/7 should have **system administrator rights**, otherwise, installation of drivers will be impossible.
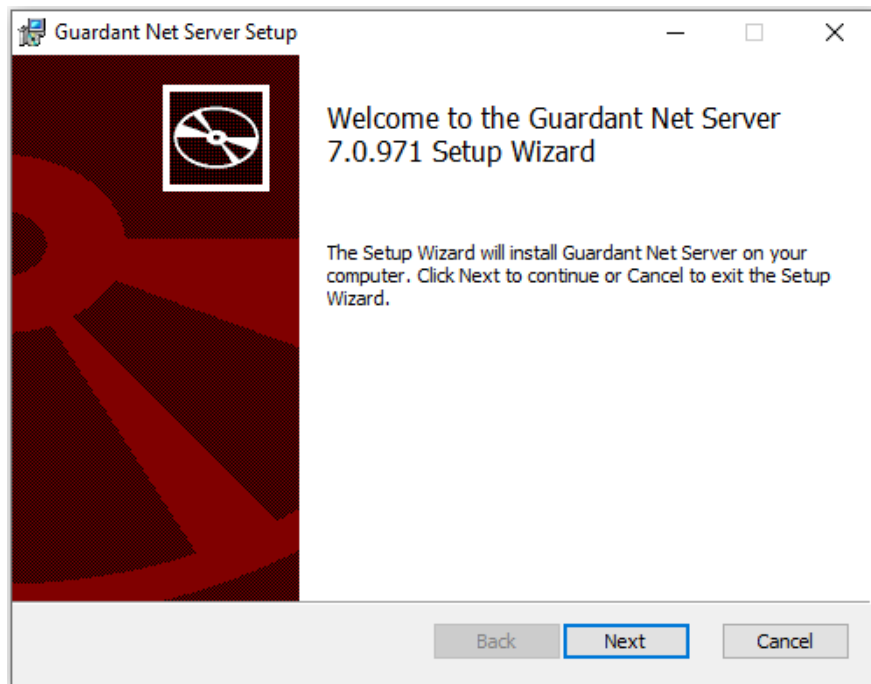
Installation completed.
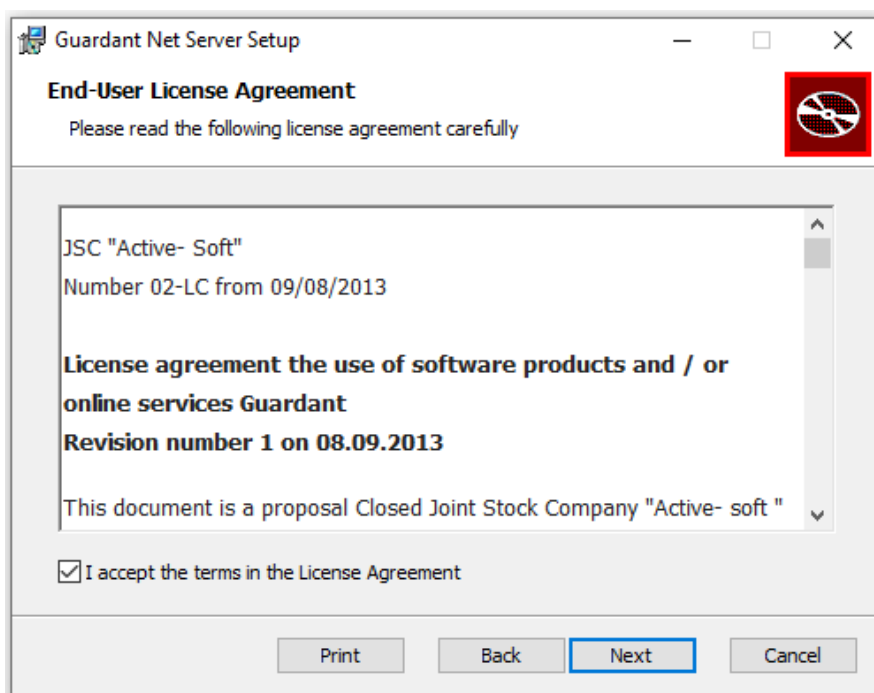
3. Installing the network license

Note!

To install the network license on a computer, you should have system administrator rights.

After sequential steps to install SP LIRA 10.12 on the computer, you need to install the server of network keys. To do this, you need to run the Windows Setup package **GLDS_7** in the directory "Lira10.12\ Guardant\Server": C:\Program Files\Lira soft\Lira10.12\Guardant\Server.
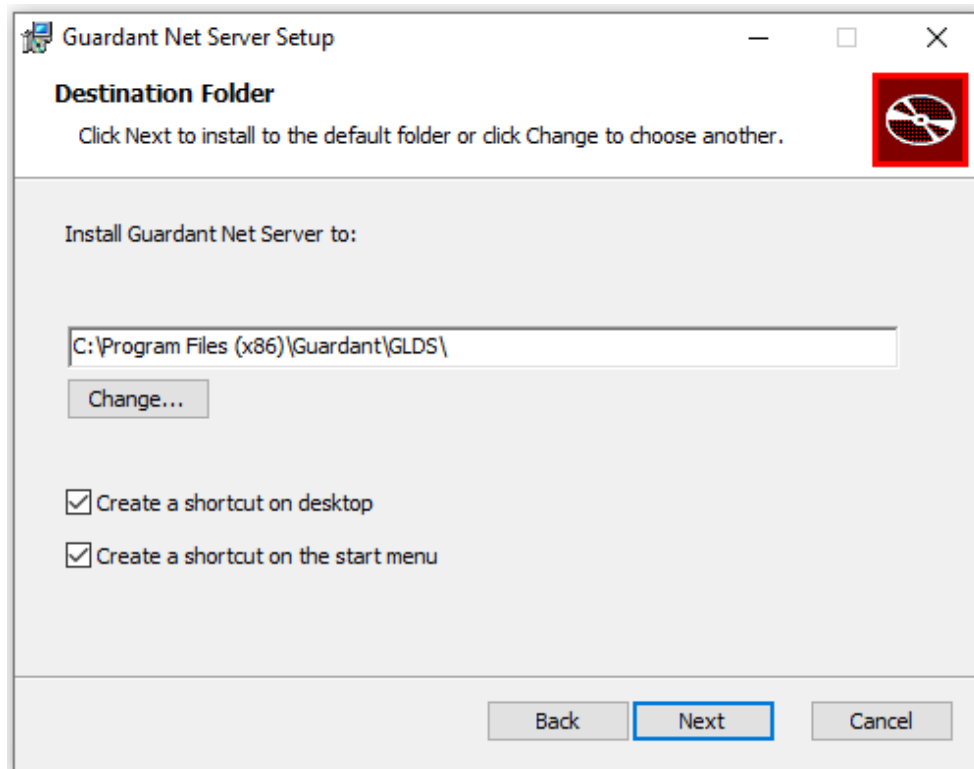
1.   Installing Guardant Net Server. Select "Next".

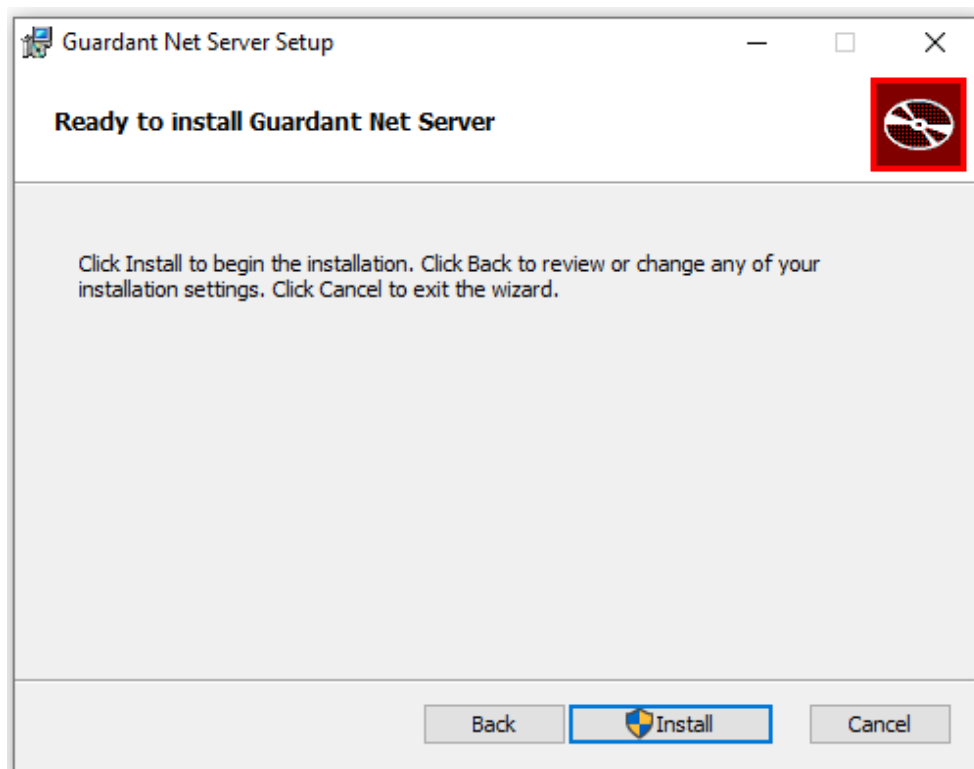2.   Accept the terms of the license agreement and click "Next".

3.   If necessary, change the destination folder by clicking "Change ..." and select "Next".
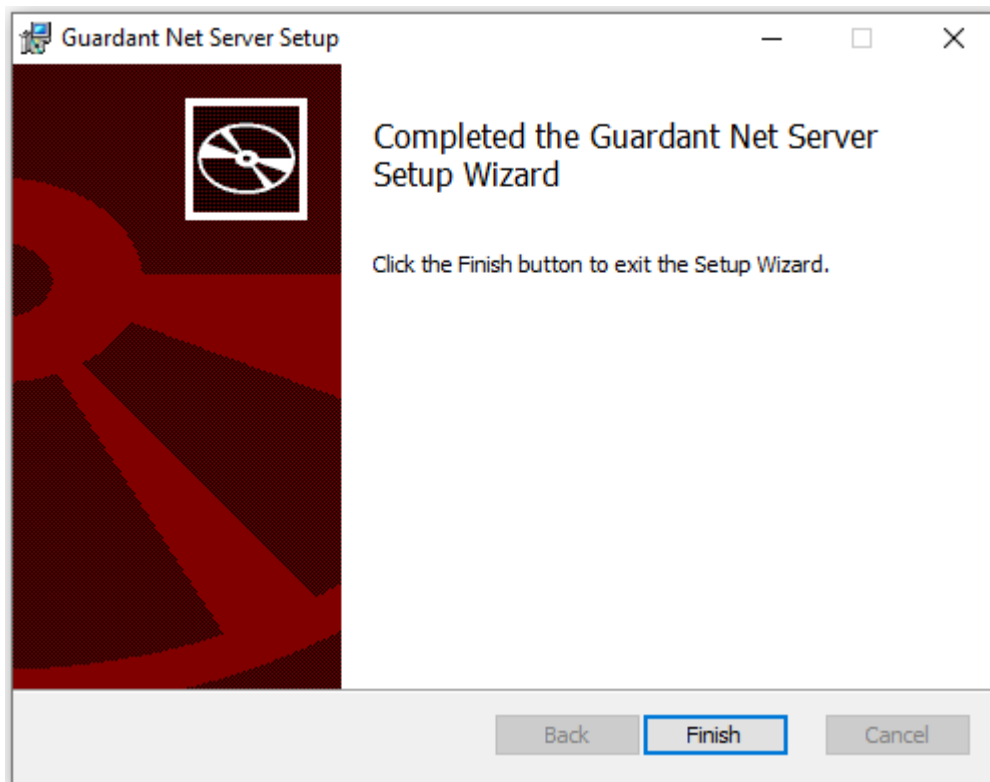

Note!

It is recommended to check the box "Create a shortcut on desktop", this option will be needed for further work.
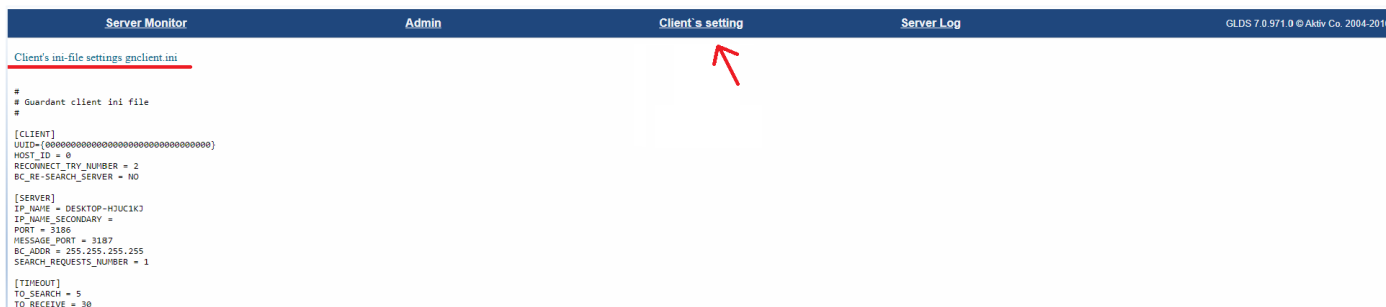
4.   Select "Install".

5.   After the installation is complete, click "Finish".

6.   Go to your desktop and double click the shortcut "Guardant Net Server", that was created during the installation process (if the corresponding item was checked). After that, the web-interface for managing the Guardant Net key server will open.

7.   In the window that appears, go to the "Client's setting" tab and click " Client's ini-file settings gnclient.ini".

8.   Place the downloaded gnclient.ini file in the directory "…\Lira10.12\bin64".

9.   To administer the server settings (including changing the interface language), go to the "Admin" tab and enter the default password "admin".

10.   After launching and configuring the server, find the **KeySeries.grd** file in the directory "…\Lira10.12\bin64", open it with a text editor and change the line "KeyNetStatus!1" to "KeyNetStatus!2".

Note!

> If, after all the above actions, the program generates a server error at startup, you need to give the user write permisson on the gnclient.ini file.
>
> SP LIRA 10.12 uses a new version of Guardant key server, therefore, the network keys server from SP LIRA 9.6 and earlier is not suitable for SP LIRA 10.12.
>
> The license server for Guardant dongles from SP LIRA 9.6 (or earlier) and from SP LIRA 10.12 can not work simultaneously on the same computer.

4. License management

Guardant network license server implements 2 license rental models: fixed and floating.

Licenses are managed by changing the server settings: licenses are either assigned to a workstation or granted on a concurrent basis.

Terms used:

Free license — no application are currently using this license.
Unavailable license — one or more applications are currently using the license.
Reserved license is given only to a specific application on a specific host, usually the license is reserved for a specified period of time.
Floating (concurrent) license is given to any application on any host that meets the licensing conditions.
Label — a universal identifier generated by the server for the client and associated with the unique hardware number of the client's host, allowing the client to confirm its registration.

Reserved licenses (first rental model)

Reserved (fixed) licenses are assigned to the workstation permanently, or for a specified time.

On the first successful connection to the server, the client goes through the registration procedure, during which the server assigns labels to it (unique identifiers of the process that received the license, as well as the workstation from which the request came), remembers and keeps the license for him.

In the future, only those copies of the application that are launched from this workstation can receive a reserved license previously assigned to a specific computer.
The system administrator (user of SP LIRA) can manage the following parameters of reserved licenses by changing the Guardant server settings:

- *License reservation time*
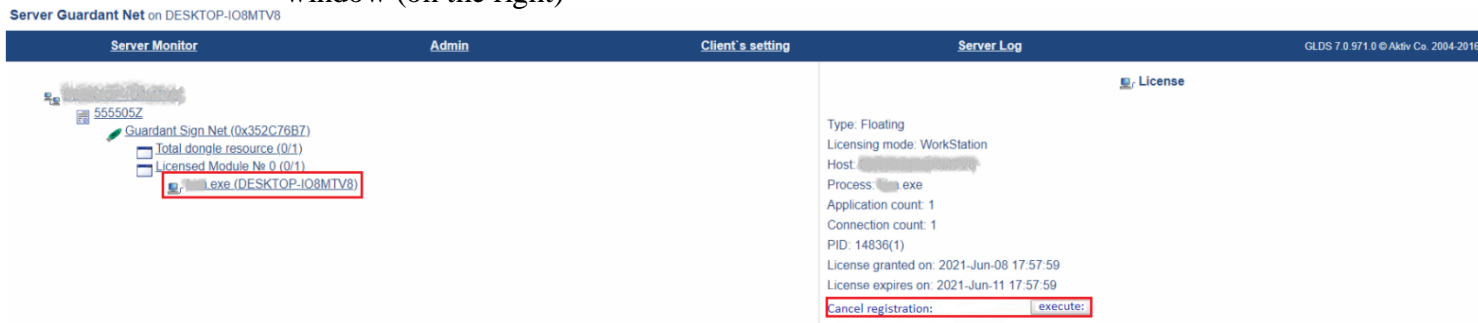- *Number of reserved licenses allocated to **one customer***

To configure the number of reserved licenses and the time range (in days) for which the licenses will be fixed, go to the administration page, set the desired parameter values "Single host fixed license limit" and "Time of fixing the license for the host (days)", then restart the server, saving the settings.

To make the license perpetual (permanent), set the value to "-1" in the "**Time of fixing the license for the host**" field.

Cancel license registration

Guardant Network License Server allows you to cancel the registration of the license assigned to the client. To cancel the registration, do the following:

1. Open the server web interface in a browser.
2. Go to the Admin page and enter the password.
3. After successfully entering the password, return to the monitoring page and select the required connected client from the list.
4. The line "Cancel registration" with the "execute" button appears in the object status window (on the right)

For correct operation of the *Guardant* server, it is strongly recommended to reset the license registration for unused licenses, otherwise, the connection will be broken and the assigned license may freeze.

Floating (concurrent) license (second rental model)

Floating licenses are not reserved for the client. Such a license is given to any application on a concurrent basis. Floating license capture client data is not saved after session termination, and the next time it can be obtained by any other suitable licensing object.

The system administrator, by changing the settings of the *Guardant* server, can set the number of floating licenses allocated to *one workstation*.

To do this, go to the server administration page, set the required parameter value in the " **Single host floating license limit**" field, then restart the server, saving the settings.

To stop using floating licenses, set the value "**0**" in the "**Single host floating license limit**" field and set the "**Single host fixed license limit**" option.

Guardantsignnet client

To get started, the client application must register with the key server.

At startup, the client starts searching for the *Guardant* server and continues to work only after successful registration on the server.

The client searches for the server using the settings in the **gnclient.ini** configuration file, specifically IP address (or network name) and network port.

The *Guardant* server that matches the specified search parameters responds to client requests.

Getting the current gnclient.ini settings file

SP LIRA 10.12 tries to find the *Guardant* server even in the absence of configuration files, however, only a correctly filled **gnclient.ini** file is the key to a successful and fast server search and subsequent work with the key.

The configuration file must be in the same directory as the SP LIRA 10.12 executable file "…\Lira10.12\bin64\Lira.exe". If it is absent, then at startup the client will automatically create **gnclient.ini** and save the correct settings in it after a successful search for the server, either leaves the default if the server lookup was unsuccessful.

Note!

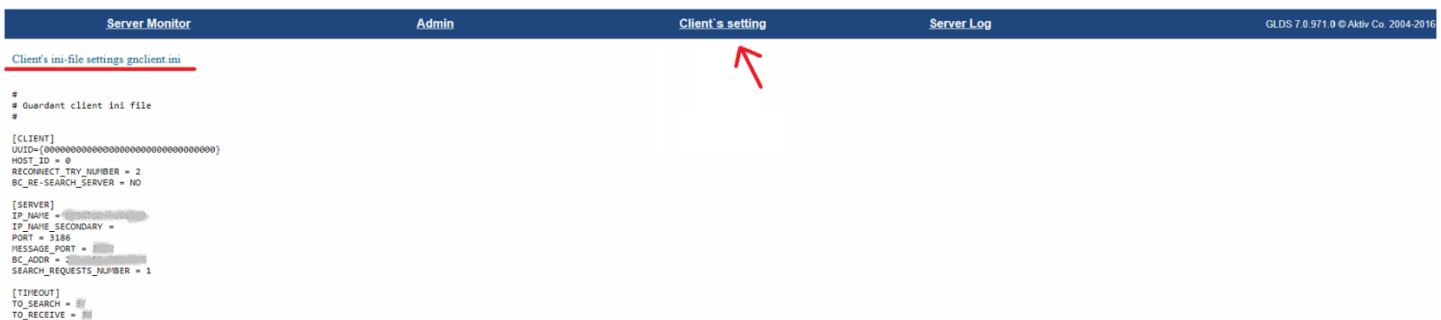The user should have the write permisson on the gnclient.ini file.

Taking into account the variety of network settings where SP LIRA 10.12 can work, it cannot be guaranteed that it will be able to find the server and the key if the **gnclient.ini** file is missing or incorrectly configured.

Therefore, it is strongly recommended to get the file with the current settings before starting work.

To get the file with the current settings, do the following:

1. Open the server web interface in a browser.
2. Go to the **Client's setting** tab.
3. After opening the settings page, get the current file by selecting the **Client's ini-file settings gnclient.ini** hyperlink at the top of the page.
4. Place the resulting file in the same directory as the executable file "…\Lira10.12\bin64\Lira.exe".

It is recommended to manually replace the server name with the server IP address in the gnclient.ini file (gnclient.ini file can be opened with the standard Windows text file reader "Notepad")

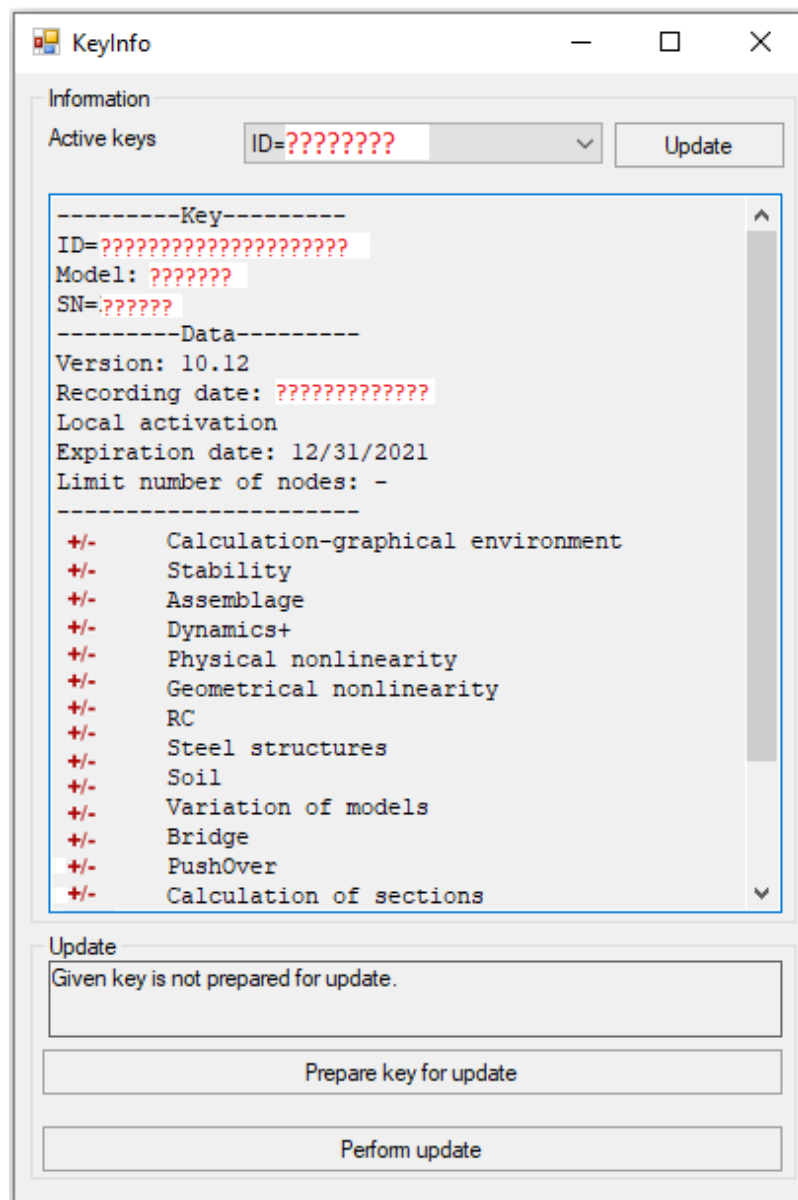# 5. Upgrading the microcode (firmware) of the electronic key

Upgrading the firmware of the electronic key is performed in several cases:

- Purchase of additional modules of SP LIRA 10.x.
- Switching to another configuration of SP LIRA 10.x.
- SP LIRA 10.x version update.
- The key is no longer recognized by the program.

The "KeyInfo" program allows you to write new firmware to the Guardant dongle connected to the local USB port.

The program "KeyInfo" is located in the directory with the installed program "…\Lira10.12\bin64\KeyInfo.exe".

After starting the program, a window appears in which information about the current firmware of this electronic key is displayed. This is the **key ID**, version, date of key recording, **licensee**, **list of modules** allowed for use with this key:

To generate data for requesting a new key firmware, press the button "Prepare key for update".

In the "Update" section of the window, the program displays a message:

Received data «ID=**???????**» and «?=**???????**» should be copied and sent to your supplier of SP LIRA 10.x (dealer) with a request to provide a new firmware for the electronic security key.

Request example:

"ORGANIZATION NAME", "CITY", Please provide a new firmware for the electronic key for the following configuration: (list the contents of the kit for updating)

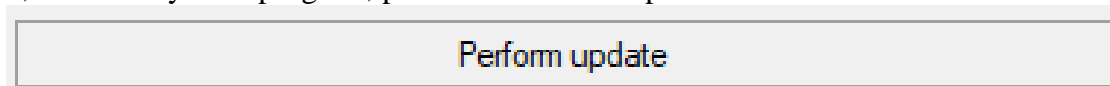*LIRA 10.12 Full*

Key data: ID=XXXXXXX, ?=XXXXXXX.

Date, signature.

Send this request via the Internet. In response, you will receive a data file for updating the data of the protection key:

xxxxxxxxxx.gupd
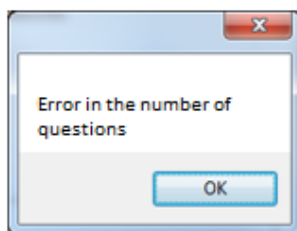
The file name will correspond to the ID of your key.

Next, in the "KeyInfo" program, press the "Perform update" button:

Select the file (received from the supplier).

At the end of the action, the program "KeyInfo" will report the result.

If the next message appears, you should repeat the «Upgrading the microcode (firmware) of the electronic key» procedure again. This message is generated after repeating pressing the «Prepare key for update» button.

LIRA Group of Companies
Ukraine, 03048, Kiev, Kadetskiy Guy, 6a,
office 209
website: http://lira10.com/
Marketing: e-mail:soft@lira.kiev.ua
phone: +38 (067) 238-73-17
Technical support:
e-mail:hotline@lira.kiev.ua