Wurm licence manager

The Wurm licence manager serves as the licence server for Wurm software. It is installed on one computer within the relevant intranet. This means that separate dongles on individual computers are not needed.

The licence manager runs as a Windows service, which means it is able to operate even when no user is logged into Windows. The licence manager receives the main licence either via the Internet from the Wurm licence server or via a Wurm key.

Licences

The main licence contains information about validity and a list of sublicences. Sublicences contain the definition of the software for which they are valid and the number of logins that are permitted simultaneously.

The Wurm licence manager provides all applications with the same sublicence, depending on the type of program. This means that all programs with the same software have the same rights and options. If individual programs are operating with restricted user rights despite this, a user with the required rights will need to be set up. If the number of applications attempting to log into the Wurm licence manager exceeds the number of licences in the sublicence, the attempts will be rejected and a message about maximum capacity will be shown.

Advantages

Wurm licence server

- No dongle hardware required
- Wurm licence manager is able to run on virtual servers without a USB connection.
- Licence can be changed without the need to replace hardware or reinstall.

Wurm key

- No Internet connection required

Pre-requirements

- Administrator rights are required for installation and configuration.
- Microsoft .Net Framework 4.8
- Computer in network with TCP/IP
- TCP/IP port 4103 must be enabled in the Windows firewall.
- Current web browser for using the web interface

Wurm licence server

- Internet connection via port 443 (https)
- If a firewall is active, an exception must be set up for the URL https://ls.wurm.de
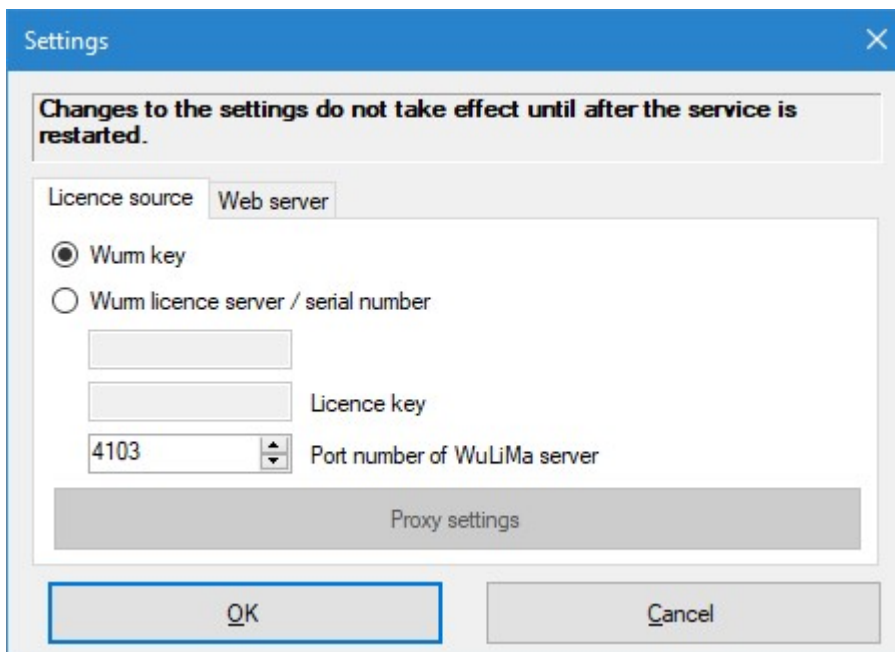
Wurm key

- The server boot sequence should be set up so that booting does not take place from a USB device, or only does so as a last resort.
- Direct hardware access to the USB port; i.e. no virtual USB ports from the network

Setting up the licence manager

It is only possible to make settings in the licence manager once the associated service has been stopped.

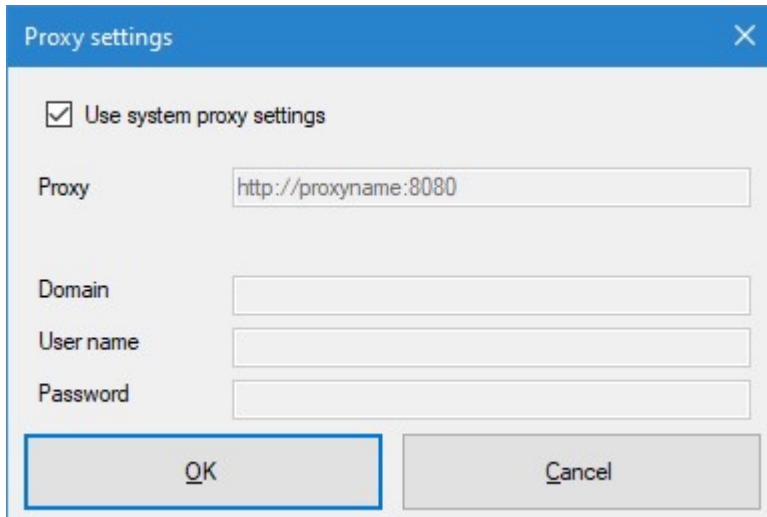Select *WuLiMa > Settings* to access the following:

This is where you select whether the licence is obtained via a Wurm key or the Wurm licence server.

When a customer orders a licence from the Wurm licence server, they receive a serial number and a licence key. These details must be entered in the applicable fields.

The port number of the licence manager can be changed if necessary. This must be taken into account in the participating FRIGODATA stations.

Proxy settings

If the Wurm licence server is used as the source of the licence, the software requires an active Internet connection on port 443. The licence manager determines the relevant licence information on a Wurm subdomain via the Internet. To access the licence server via the Internet, the licence manager uses the system's Internet settings by default. If a special proxy server needs to be used for the requests, the settings for this can be made in the settings window.

Proxy settings window

In this window, it is possible to specify a special proxy server and the applicable authentication information by deactivating the "Use system proxy settings" box. The address or the name of the proxy server and the port number must be specified.

Redundancy and security

If a licence is obtained from the Wurm licence server via the Internet, the licence manager can be operated on two computers simultaneously (to ensure maximum maintainability and safeguarding against failure). This makes it possible to ensure that applications can continue running without problems even if failures occur or if scheduled maintenance needs to take place on computers that have the licence manager installed on them. It is important to note that a unique key is stored on the Wurm servers during operation. If another licence manager is started with the same licence information, the licence server denies the request for information. To transfer a licence to another computer, you must log out of it on the old computer first.

Select the menu item *WuLiMa > Licence logout* to remove the licence from the old computer and enable it for a different one.

Notice

We recommend assigning the licence server an alias in the network DNS server. The clients will then access the server using the name. If the server IP address changes, only the DNS entry needs to be amended. It is not necessary to amend the clients.

The internal web server

To simplify software administration, the Wurm licence manager provides the option of displaying the program status and information about the logged-in clients using a web browser. In order to use this function, the corresponding settings must be made in the setting dialog in the "Web server" tab.
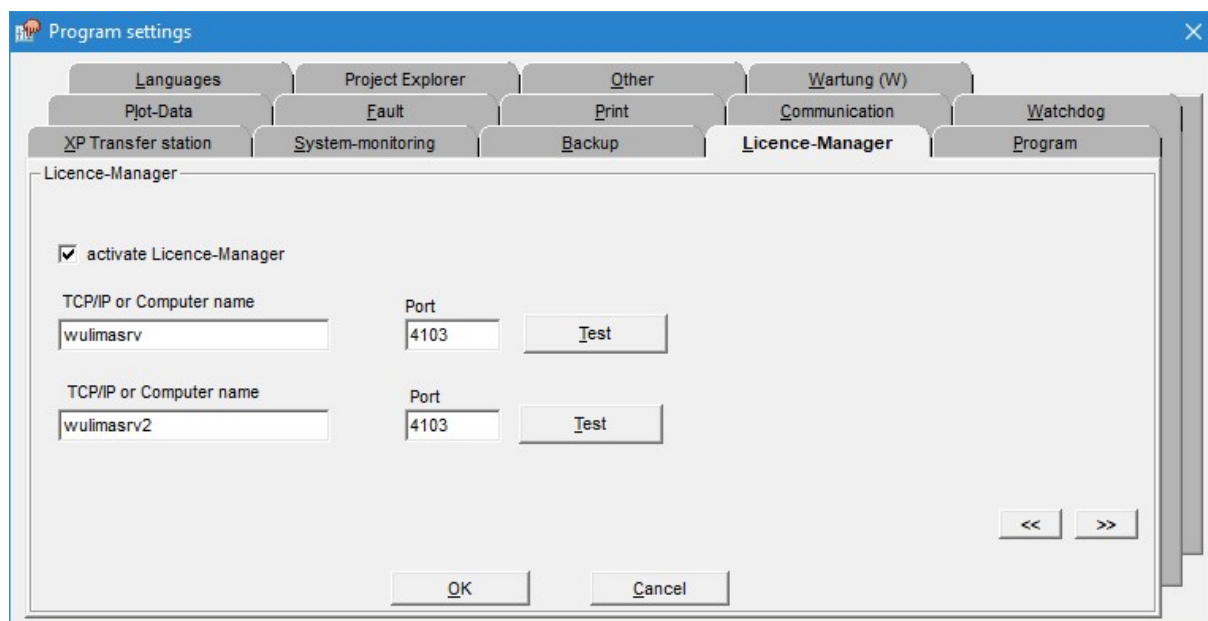
To ensure accessibility in the network, the applicable system settings need to be made (for example, configuring the firewall as necessary).

FRIGODATA XP configuration

The licence manager must be activated in *Settings > Program > Licence manager* (FRIGODATA XP, version 3.7.4 and up).

In "IP address or computer name", specify the address of the computer on which the licence manager is installed. The default port is 4103.

If a DNS alias has been assigned for the WuLiMa server (as described above), enter it here:

The second entry can be used for a redundant licence server.

Use the "Test" button to test the connection to the Wurm licence manager.
If the test is successful, FRIGODATA XP will need to be restarted. The FRIGODATA XP client will then be ready for operation.

If the connection between FRIGODATA XP and the licence manager is interrupted, FRIGODATA XP will start running cycles in which it tries to reconnect.
If around 30 minutes pass without the licence having been successfully tested, FRIGODATA XP will switch to demo mode.

FRIGODATA 95 configuration

FRIGODATA 95 (version 4.5 and up) is configured in the same way:

Manual accessibility test

In some cases, you may wish to use Windows' own tools to check that the Wurm licence manager can be accessed. To do this, simply open the Windows command prompt, which can be found in the "Accessories" category of the Windows programs. Enter the command "telnet". You can then use the "open" command to check the TCP/IP accessibility of your Wurm licence manager.

General syntax: "open {wulima-server} {wulima-port}"

Here, {wulima-server} represents the name or IP address of the computer on which the licence manager is installed, and {wulima-port} represents the port configured in the licence manager (default value: 4103). If the connection is established successfully, the Wurm licence manager will automatically respond with the text "100: WELCOME Wurm Licence Server DLL".