GETTING STARTED WITH COLORGATE VERSION 23

GUIDE FOR MULTI HOST LICENSES

(MHL-SW)

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Getting Started with ColorGATE

Thank you for purchasing our high-performance RIP software. This guide will lead you through the first steps with your ColorGATE product. It is viable for the following printing software products:

- ColorGATE Productionserver 23 (including Ceramic, Décor, Packaging and Textile Productionserver)
- ColorGATE Proofgate 23
- ColorGATE Filmgate 23

We wish you a lot of success working with our software.

Your ColorGATE team

About Our New Licensing Model

There are three different license types available for ColorGATE's version 20 software products:

- **Single Host License / Software (SHL-SW)**: Software-based license for use on a single computer. The software is activated with an activation code that binds the license to the respective computer via the ColorGATE license server. There are two ways to operate an SHL-SW license:

  - **Online mode (recommended)**: You can transfer your software to another computer yourself at any time and perform license updates yourself.
  The RIP computer must have a permanent internet connection (during license activation and while using the ColorGATE software).
  - **Offline mode**: You can activate your license once and use the software only on the RIP computer used for this purpose.
  The computer only needs to be connected to the internet for license activation and can be offline while working with the ColorGATE software.
  If you want to update your license or transfer it to another computer, you must first switch to online mode. For detailed instructions on how to switch from offline to online mode (and back again) and what to consider in offline mode, please refer to our **blog entry**.

- **Multi Host License / Software (MHL-SW)**: Software-based license for use on multiple computers. MHL-SW licenses use an additional tool, the Floating License Manager (FLM), for license management via the local network.

- **Single Host License / Hardware (SHL-HW)**: Hardware-based license for use on a single computer. The license is verified by a USB dongle and a key file.

Which license type do I have?

- If you received a **USB dongle**, you have a **Single Host License / Hardware (SHL-HW)**.

- If you **did not receive a USB dongle**, you have a **software-based license**.

  - If your license is intended for **use on a single computer**, you have a **Single Host License / Software (SHL-SW)**.
  - If your license is intended for use on **multiple computers**, or on a computer that has no internet access, but can access a server running our Floating License Manager over local network, you have a **Multi Host License / Software (MHL-SW)**.

This document covers the installation and activation of **Multi Host Licenses**. If you have acquired another license type, please refer to the respective guides. You can download them from **https://www.colorgate.com/support/en/support/manuals**.

System Requirements

Operating systems (64-Bit)

- Microsoft Windows 10 (Pro, Enterprise)
- Microsoft Windows 11
- Microsoft Windows Server 2016
- Microsoft Windows Server 2019
  (For optimal performance we recommend Microsoft Windows 10 / 11)
- Apple Mac devices with ARM-based processors (M1 chips) are not supported. On Intel-based Macs, Productionserver can be used in conjunction with a hardware dongle and Parallels Desktop.

Hardware

Minimum hardware requirements:

- CPU: Intel Core i3-2100 / AMD Athlon II X2 340
- RAM: ≥4 GB
- Free disk space: 120 GB
- Display resolution: 1280 x 1024

Recommended for using one printer:

- CPU: Intel i5-7500 / AMD Ryzen 5 1600 or newer
- RAM: ≥8 GB
- Free disk space: 120 GB SSD
- Display resolution: 1920 x 1080

Recommended for using multiple printers:

- CPU: Intel i9-9900K / AMD Ryzen 7 3800X or newer
- RAM: ≥16 GB
- Free disk space: 512 GB NVME
- Display resolution: 1920 x 1080

Installation and operation

- LAN adapter, TCP/IP required for network connection

Supported interfaces (depending on used printers, measuring devices and cutting plotters)

Ethernet, TCP/IP, USB, FireWire

Use in virtualized environments

Operation of the ColorGATE software on virtual machines is not permitted with software based licenses.

Additional system requirements for the Floating License Manager (FLM)

In order to use the software with Multi Host Licenses, an additional software tool, the Floating License Manager (FLM), needs to be installed on a network computer.

All computers running the ColorGATE software must be able to access the FLM over local network. Although the FLM can be installed on any computer, it is recommended to install it on a dedicated computer or server.

System requirements on the computer that runs the Floating License Manager

- Operating System: Microsoft Windows 8.1 (Pro, Enterprise) / Microsoft Windows Server 2012 or newer
- Free disk space: 500 MB
- Permanent internet connection for contact with the license server (the software needs to connect to the license server at gls.codefusion.technology via port 443 in certain intervals, usually about once a day)
- Port 8080 must be open for communication with the client computers running the ColorGATE software

    Note: The FLM runs on **system level**. If you are using a proxy server, this may require specific settings for the proxy server configuration; for example, the Windows proxy settings are only valid for the user that is logged into the machine, so changes there will have no effect. Proxy settings for the system may require registry settings, please contact your IT department or support, this may already be covered by the current proxy implementation.
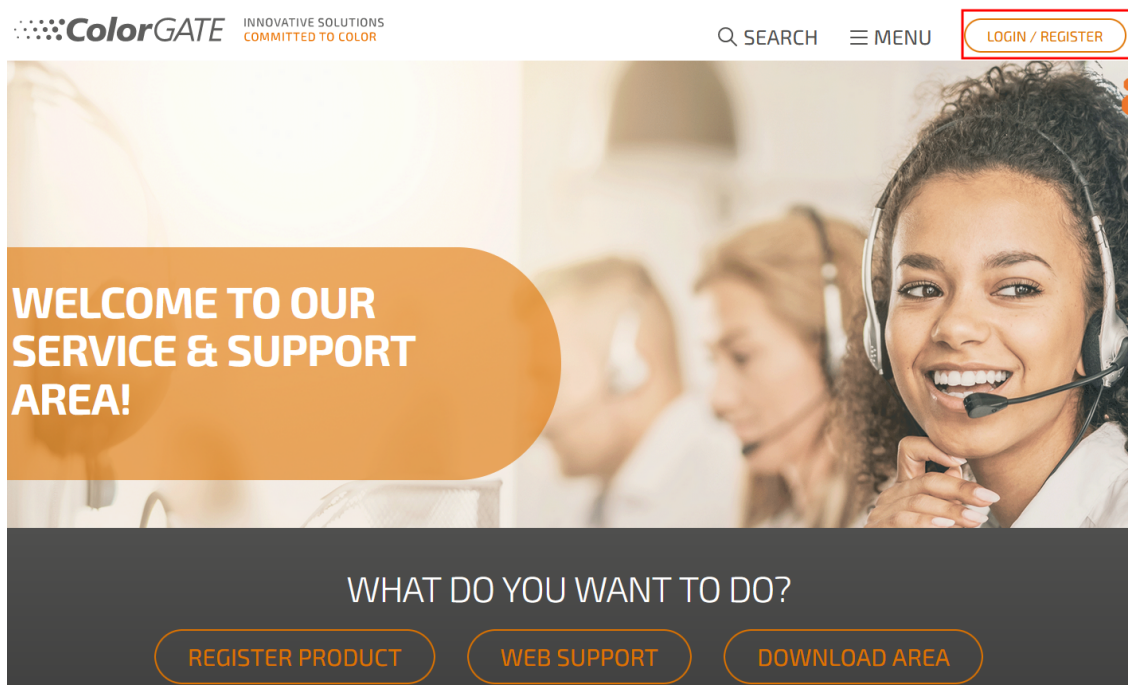
Note: Optionally, the web server can be configured to use a different port or SSL encryption (HTTPS). However, this is usually not necessary since the transmitted data is encrypted anyway.
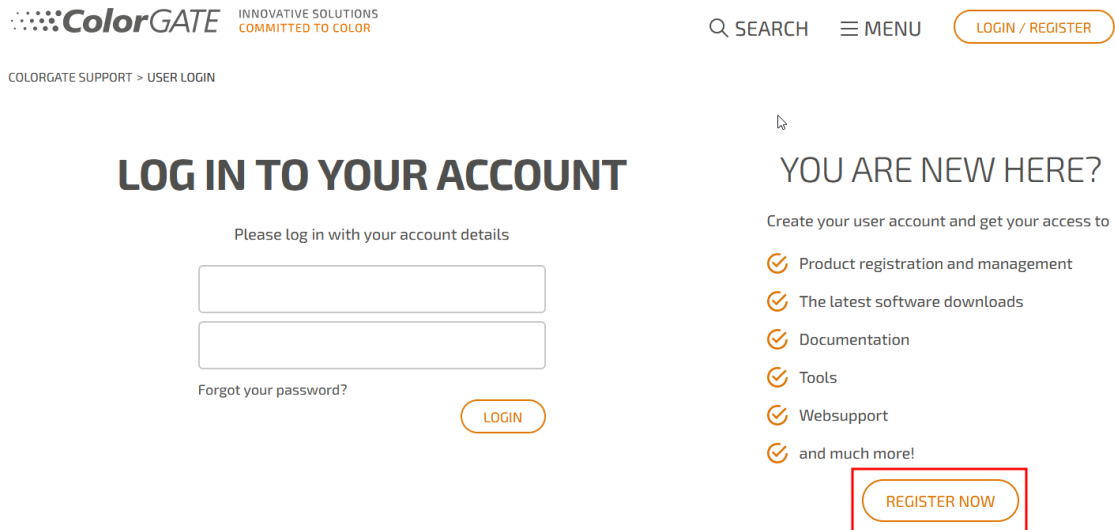
User Registration

You need to have a user account in the ColorGATE Service & Support area in order for our Customer Service to be able to create your MHL-SW license. For MHL-SW licenses, product registration is not required, as the license will already be linked to your user account when it is created.

The user registration has to be carried out only once. When your license has been created, you will find an activation code in your user account. Your administrator needs this activation code to set up the Floating License Manager (FLM). After the FLM is set up, all other users can operate the software without registration.

1. Go to **https://www.colorgate.com/support/en**.
2. Click **LOGIN / REGISTER** to get to the site **https://www.colorgate.com/support/en/user-login**.

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3. Click **REGISTER NOW**.

4. An assistant will guide you through the next steps.

You will receive an email as soon as your license is available. You can then retrieve your activation code from your user profile. You will need this activation code to install the Floating License Manager.

Installation

Installation of the Floating License Manager

Before the users can work with the ColorGATE Printing Software, you need to set up the Floating License Manager (FLM) on a server or a network computer. The FLM is a Java and web server based Windows application running in the background. It manages the allocation of startup authorizations for all ColorGATE software applications that have been licensed for the respective FLM location. An FLM location is usually a local network where the licenses are managed by one instance of the FLM.

> **Prerequisite:** To install the Floating License Manager, you must meet the following requirements:
>
> - The Floating License Manager needs to be able to establish a https connection to gls.codefusion.technology via port 443.
> - Please make sure that the relevant port is not blocked by your firewall.
> - Log in into our support site **https://www.colorgate.com/support/en**.

1. Download the FLM installer. You can find it on **https://www.colorgate.com/support/en >** DOWNLOAD AREA > SOFTWARE > **Floating License Manager**.
2. Open the installer and follow the instructions.
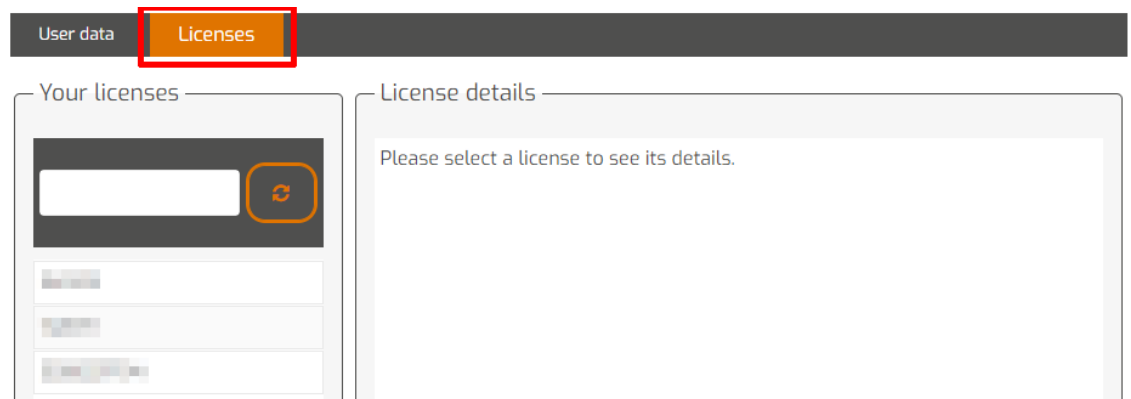3. During the installation, you will be asked for a valid serial number.
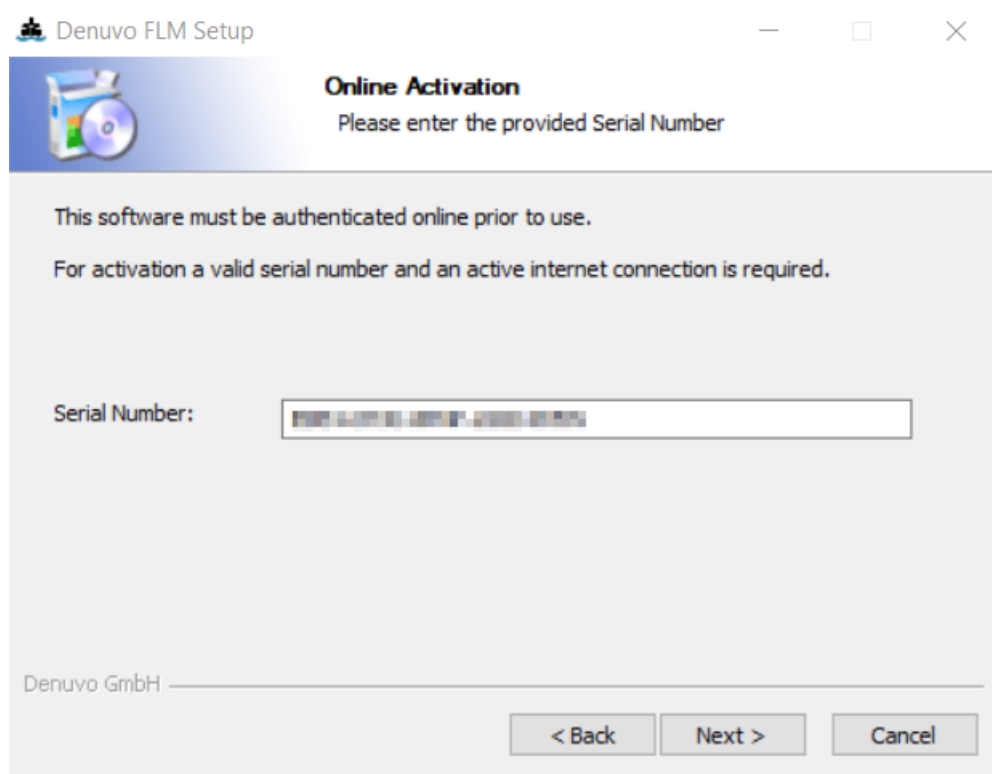
This refers to the activation code for your product license. To retrieve your activation code, follow
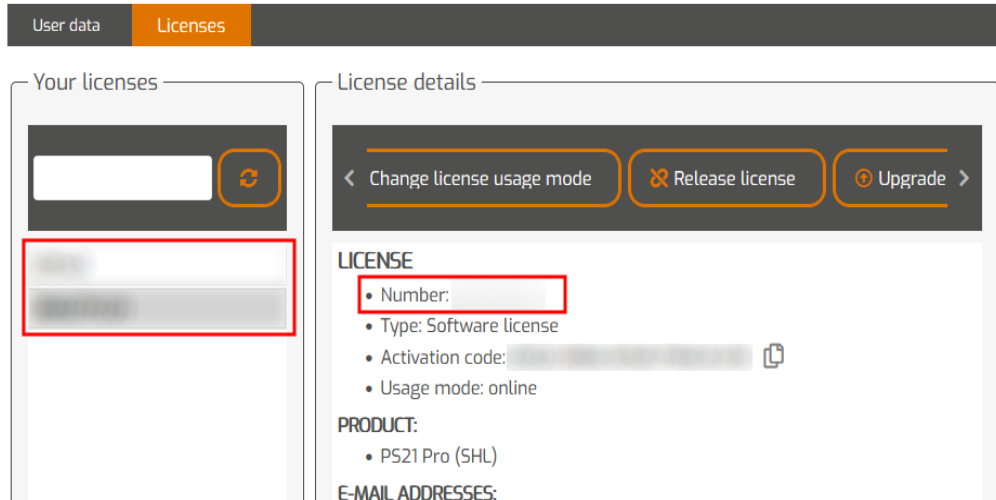
the steps below:

1. Go to https://www.colorgate.com/support/en.
2. If you are not logged in to your user profile, click **LOGIN / REGISTER** to log in using your email address and password.
3. Click **MENU**, then click **Account & Licenses** to get to your user profile.
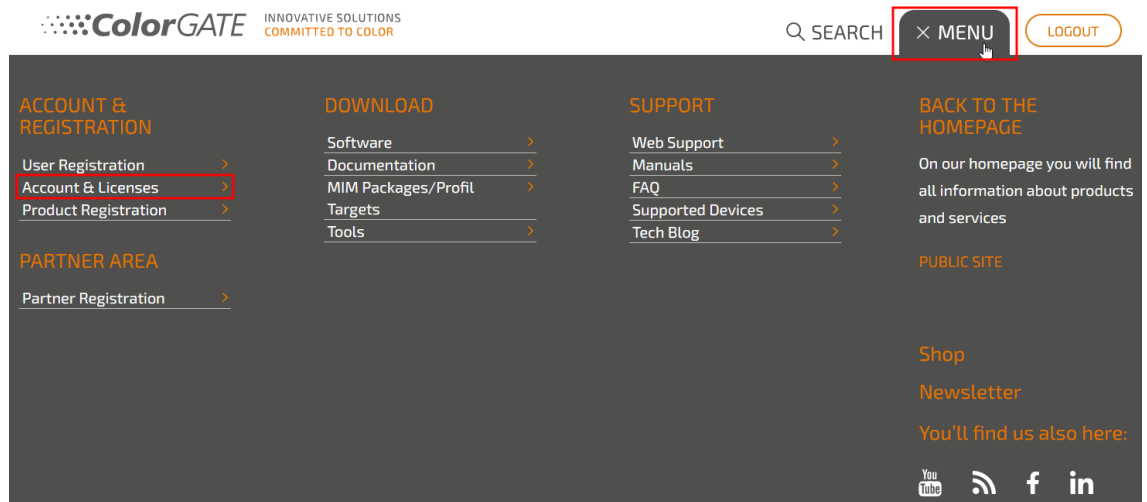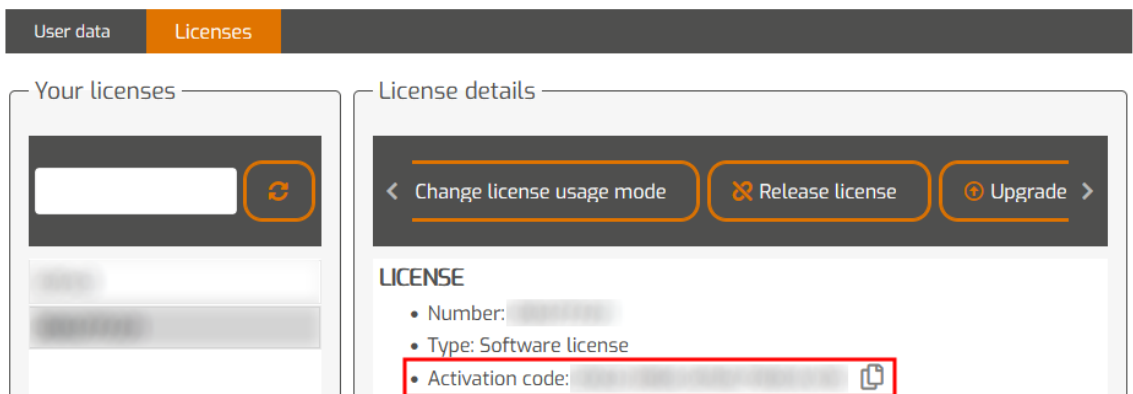

4. Select the tab **Licenses**.

5. Select the desired license number.

6. In section **Licenses** you will find the corresponding activation code.

You have successfully set up the Floating License Manager.

Options and settings in the Floating License Manager

After the installation you are able to access the FLM administration console via your web browser. The URL for accessing the console is composed of the IP address of the computer on which the FLM is installed, followed by the extension **:8080**, e.g. **127.0.0.1:8080**.

Creating an administrator account

At the first start of the FLM, you will be prompted to create a new administrator account.

Enter an email address, your preferred display name and a password, and click on Create. Afterwards, you can log into the FLM web interface.

Check which license is used on PCs

You can check which license is currently used on which PC.

1. Open the FLM web console in your browser and login with your admin account.
2. Select the Applications / Licenses tab.
3. Click License Bindings tab.

Add additional users

You can create additional admin accounts or edit an existing user account, e.g. to change the e-mail address or password.

1. Open the FLM web console in your browser and login with your admin account.
2. Select the Manage Users tab.
3. Click Add new user to add a new account, or click Edit next to an existing account to edit the user credentials.
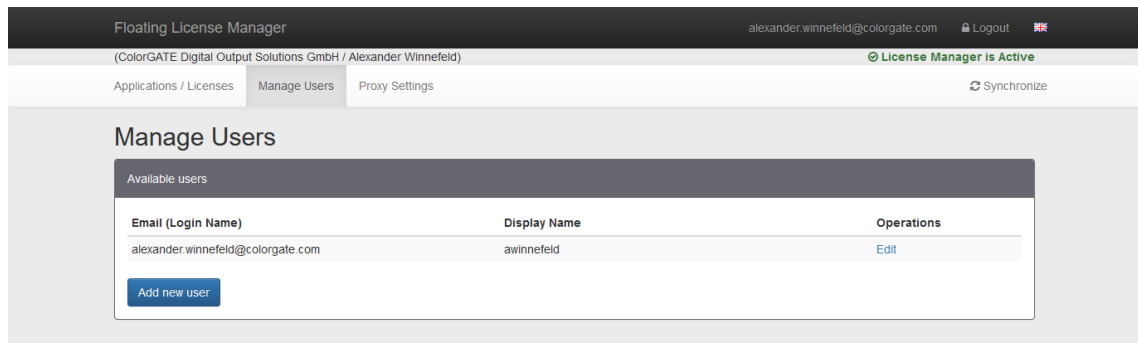
Proxy server settings

If you want to use the FLM with a proxy server, you need to specify the proxy server settings in the FLM web console.

1. Open the FLM web console in your browser and login with your admin account.
2. Select the Proxy Settings tab.
3. Enter the host name, port and protocol and, if necessary, a user name and password for authentication.
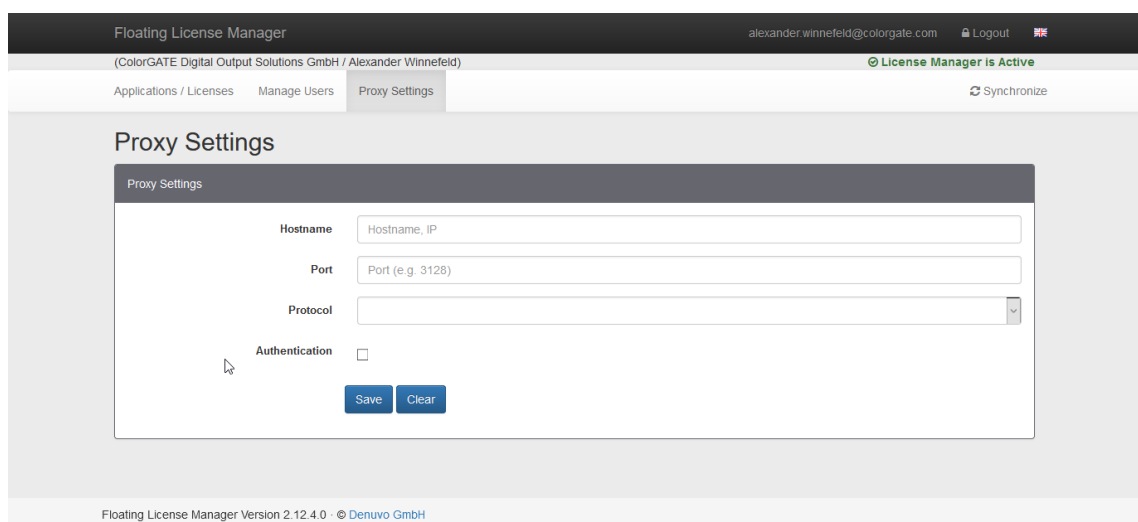
4. Confirm by clicking Save.

Installation of the ColorGATE Printing Software

Prerequisite: Port 8080 must be open for communication with the Floating License Manager via local network. Please make sure that the relevant port is not blocked by your firewall.
The installer needs to be started with administrator privileges. During installation, the installer will create an entry in the local Windows registry at Computer\HKEY_LOCAL_ MACHINE\SOFTWARE\WOW6432Node\DSS and will set user rights to "Everybody". This is necessary to allow other users on the PC to use the installed ColorGATE solution. Also note that Read/Write access needs to be set for any user for the path C:\ProgramData\Denuvo.

After setting up the Floating License Manager, you can install the ColorGATE software on the RIP computers in the local network.

1. Download the software installer. You can find it on **https://www.colorgate.com/support/en >** **DOWNLOAD AREA** > **SOFTWARE** (Login required).
2. Open the installer and follow the instructions.
3. In the **License Type Selection** step of the installation, select Multi Host License / Software (MHL-SW). Click **Next** to continue.
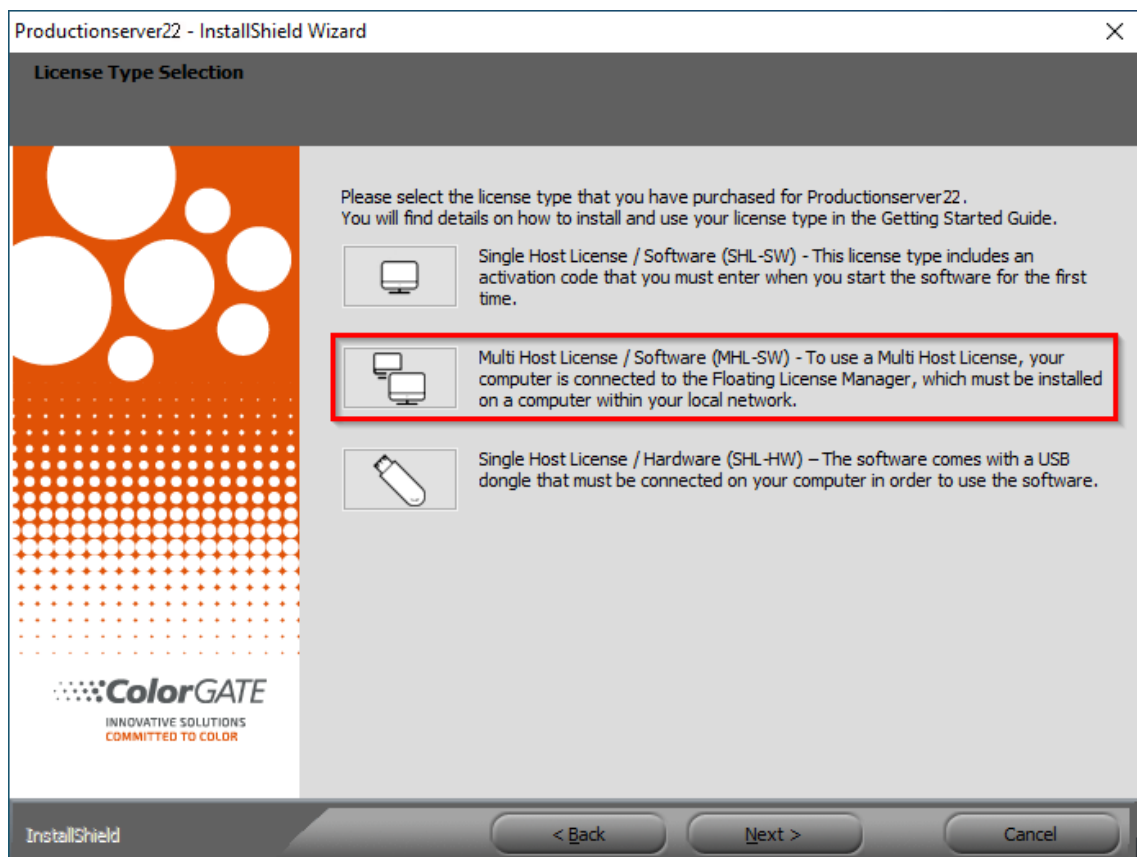
4. In the next step, the software will be bound to the Floating License Manager. Enter the name or IP address of the computer running the FLM.
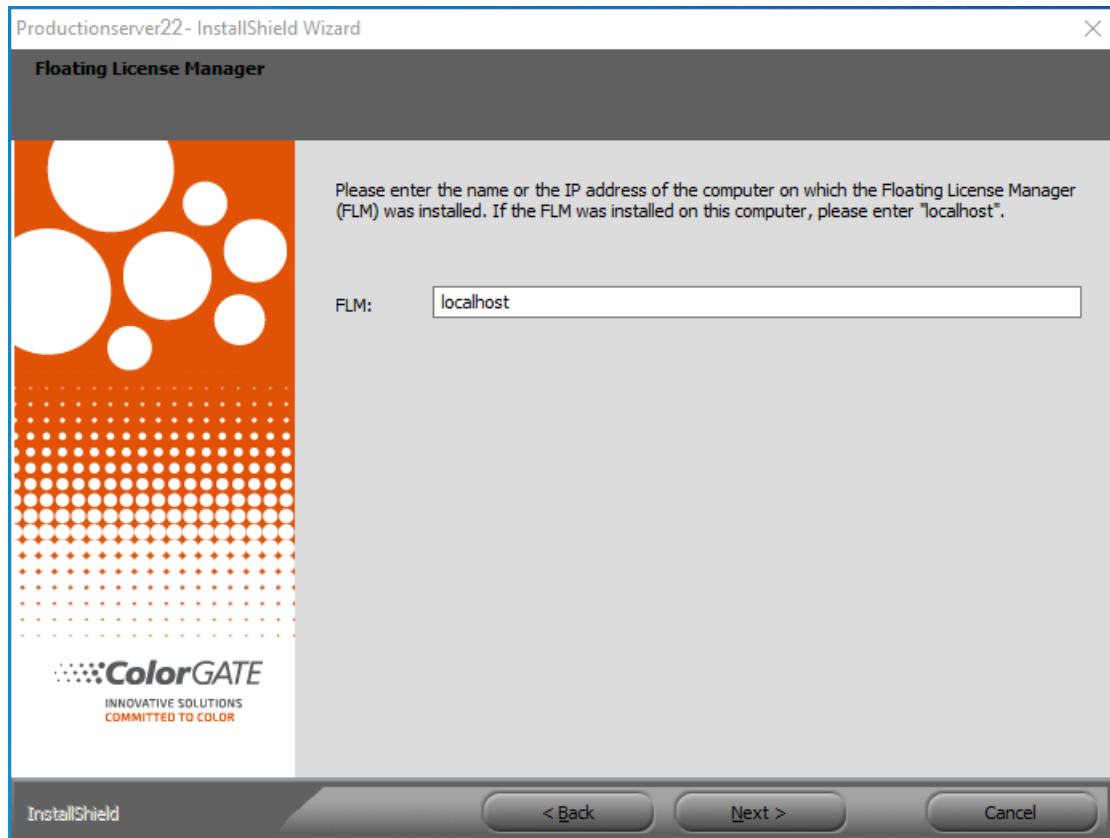
5. Click **Next** and follow the instructions to complete the installation.

6. For certain printers, you may need to install additional software components such as halftoning modules. You can find them on **https://www.colorgate.com/support/en** > DOWNLOAD AREA > **SOFTWARE** > **Printer-Related**.

7. If the printer is operated via USB: Install the printer driver provided by the manufacturer.

License Administration

Activation

Whenever you start the software, an activation dialog will be displayed that will allow you to connect to the Floating License Manager (FLM) and select an available license configuration.

Prerequisite: The RIP computer must be able to connect to the FLM over the local network.

1. Start the software. A dialog will open.
2. Select **Connect to Floating License Manager**.
3. The next dialog will show all available licenses and their current usage. Proceed by clicking **Select** next to an available license you want to use.
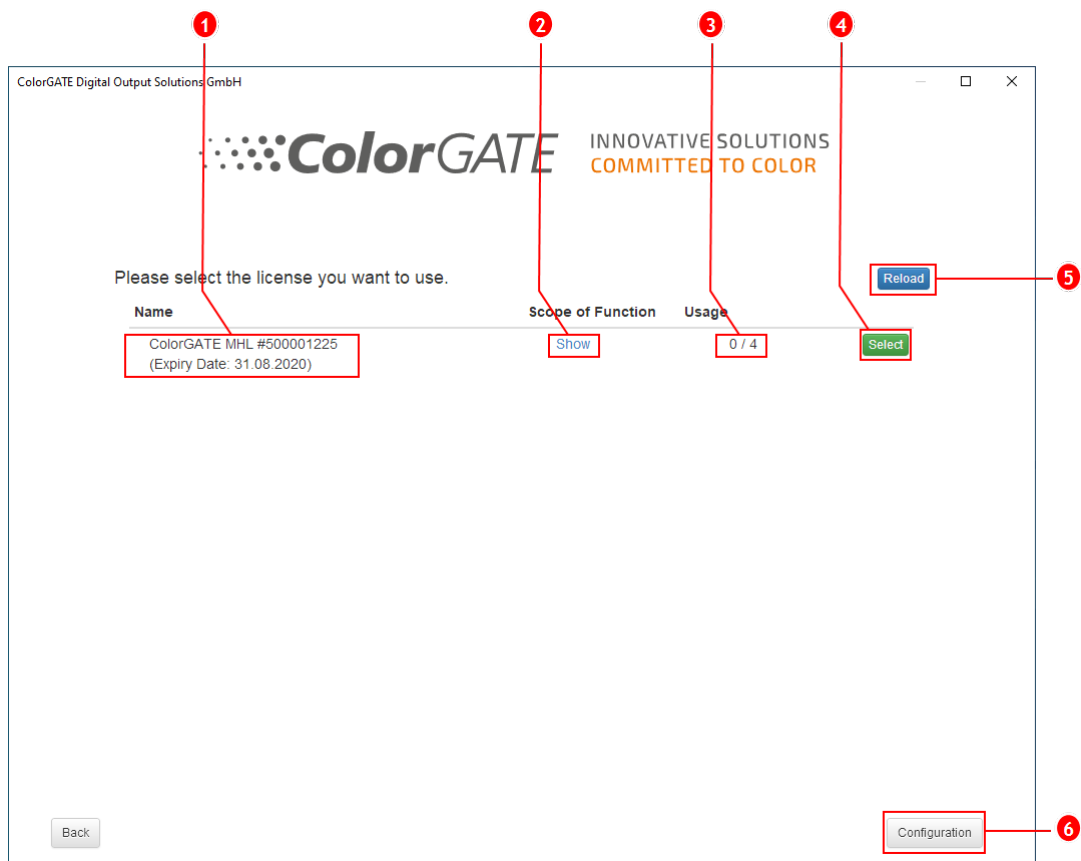
Number	Description
❶	The license number and expiry date of the license are shown here.
❷	Click on **Show** in the **Scope of Function** column for a list of all features included in this license.
❸	The **Usage** column shows the number of instances of this license that are currently in use / available in total.
❹	Click on **Select** to start the software using this license.
❺	Click on **Reload** to refresh the information shown in this dialog.
❻	Click on **Configuration** to open a dialog where you can change the connection data for the Floating License Manager.

4. In the next dialog, you will be able to select a product variant as well as activate optional modules. Click **OK** to start the software with the selected configuration.
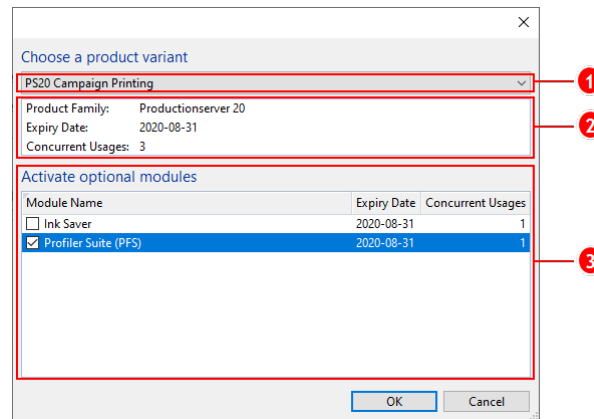
Number	Description
❶	Your license might contain multiple product variants for your ColorGATE software. Select the one you want to start. Different product variants contain a different range of features.
❷	This section shows information about the selected product variant. The section **Concurrent Usages** shows how many users can use this product variant at the same time.
❸	All optional modules are listed here. Select the ones you want to use. The column **Concurrent Usages** shows how many users can use this module at the same time.

License Update

The Floating License Manager retrieves the current license information from the ColorGATE license server on a daily basis. Changes to the license configuration that are made by ColorGATE and uploaded to the license server are thus available to the user on site within one day at the latest.

If a daily update of the license data is not sufficient, it is also possible to manually trigger the license data synchronization (e.g. in the case of short-term license extensions or changes).

Prerequisite: Manually updating a license requires an administrator account for the FLM.

1. Open the FLM in a web browser by entering the IP address of the server running it (e.g. **127.0.0.1:8080**).
2. Log into your administrator account.
3. Click on the **Synchronize** button in the FLM administration console.

The license information will be synchronized and the new configuration will be available to you immediately.

License Revocation

When a program session is terminated, the license is automatically revoked and all resources used by it (printer queues, RIP processes, hotfolders) can immediately be used on other RIP computers.

Support Options

Online Help

In the software, you can open the online help by pressing the key F1.

Value Pack

The Value Pack is a maintenance and support contract available with all ColorGATE software solutions. It includes all updates and upgrades as well as access to technical support.

More information can be found at **https://www.colorgate.com/service-support/resources/value-packs**.

ColorGATE Sales Partner

Your dealer is your first point of contact for support requests.

Web Support

> **Note**: Please note that our web support is only available with a valid Value Pack.

If your dealer is unable to help you, our web support is at your disposal. You can create web support tickets via the Service & Support area of our website or directly in the software. For detailed instructions on how to do this, please refer to our **blog entry**.

- For creating web support tickets open **https://www.colorgate.com/support/en** and log in with your personal login credentials. Via **MENU** > **SUPPORT** > **Web Support** you can create a web support tickets.
- For creating web support tickets directly in the software click **Help** > **Web tickets...** Then click **Login with your ColorGATE account credentials** and enter your access data.