

imc LICENSE Manager 4.0

Manual

Doc. Rev.: 8 - 2020-11-02

Foreword

Thank you for deciding to purchase our product. We wish you total success in accomplishing your measurement assignments with the help of your hardware and software. If you have any open questions about our products, please contact our Hotline (hotline@imc-tm.de).

Disclaimer of liability

The contents of this documentation have been carefully checked for consistency with the hardware and software systems described. Nevertheless, it is impossible to completely rule out inconsistencies, so that we decline to offer any guarantee of total conformity.

We gratefully accept any suggestions for improvements, please contact our Hotline (hotline@imc-tm.de).

We reserve the right to make technical modifications of the systems.

Copyright

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This documentation is the intellectual property of imc Test & Measurement GmbH. imc Test & Measurement GmbH reserves all rights to this documentation. The applicable provisions are stipulated in the "imc Software License Agreement".

The software described in this document may only be used in accordance with the provisions of the "imc Software License Agreement".

imc Software and Microsoft® Windows

imc software runs on the Microsoft® Windows operating system.

GPL Sources

Some components of our hardware use software, that is licensed under GNU General Public License (GPL). If you would like a copy of the GPL source code contained in this product please contact our Hotline.

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
1 General

Welcome to imc LICENSE Manager

In this manual, you will find a detailed description of how to operate the imc LICENSE Manager software. The documentation in this manual pertains to the software version 4.0.

Customer Support / Hotline

If you have any open questions about our products, please contact our Hotline.



Questions or problems? Contact our [Customer Support / Hotline](#) .

Copyright

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1.1 Before you Start

Dear user.

1. The software you have obtained, as well as the associated manual are directed toward competent and instructed users. If you notice any discrepancies, we request that you contact our [Hotline](#) .
2. Updates during software development can cause portions of the manual to become outdated. If you notice any discrepancies, we request that you contact our Hotline.
3. Please contact our Hotline if you find descriptions in the manual which you believe could be misunderstood and thereby lead to personal injury.
4. Read the enclosed [license agreement](#) . By using the software, you agree to the terms and conditions of the license agreement.

1.2 Notes / Quality Management

Quality Management



imc Test & Measurement GmbH holds DIN-EN-ISO-9001 certification since May 1995. You can download the CE Certification, current certificates and information about the imc quality system on our website:
www.imc-tm.com/quality-assurance/.

imc Warranty

Subject to the general terms and conditions of imc Test & Measurement GmbH.

Product Improvement and change requests

Please help us to improve our documentation:

- What terms or descriptions are incomprehensible?
- What additions and enhancements you suggest?
- Where have material mistakes slipped in?
- Which spelling or typing errors have you found?

Responses and other feedback should be directed to the [Hotline](#) (phone / e-mail) or by writing to: imc Test & Measurement GmbH, Voltastrasse 5 in 13355 Berlin, Germany

1.3 imc Customer Support / Hotline

If you have problems or questions, please contact our Customer Support/Hotline:

imc Test & Measurement GmbH

Hotline (Germany): +49 30 467090-26

E-Mail: hotline@imc-tm.de

Internet: www.imc-tm.com

International partners

For our international partners see www.imc-tm.com/distributors/.

Tip for ensuring quick processing of your questions:

If you contact us you would help us, if you know the serial number of your devices and the version info of the software. This documentation should also be on hand. Thank you!

- The device's serial number appears on the nameplate.
- The program version designation is available in the About-Dialog.

1.4 imc Software License Agreement

imc Test & Measurement GmbH
Voltastrasse 5
13355 Berlin
Commercial register: Berlin-Charlottenburg HRB 28778
Managing director: Kai Gilbert, Ralf Winkelmann

imc Test & Measurement GmbH
Terms and Conditions
Governing the Use of imc Test & Measurement GmbH Software
As of: January 10, 2020

§ 1 Objects of the Agreement

- (1) In addition to the "General Terms and Conditions Governing imc Test & Measurement GmbH Deliveries and Services to Customers", these terms and conditions apply to all contracts concluded with imc Test & Measurement GmbH (hereinafter referred to as "imc") which involve the transfer of rights of use to any software developed by imc (standard software, software created or adjusted specifically for the Customer, which is recorded on the machine-decodable data carriers such as data files, databases and database material, updates, upgrades, releases, etc., including corresponding documentation, information and materials, hereinafter referred to as "Software").
- (2) The Software is provided to the Customer as an executable object program on machine-decodable data carriers specified in the "Objects of the Agreement". The Software's product documentation is also supplied to the Customer either in print or on a machine-decodable data carrier. Unless otherwise expressly agreed in writing, the Customer is not issued the source code of the Software.

§ 2 Rights of Use, Scope

With regard to any transfer of rights of use to Software created by imc, the following provisions apply:

(1) Basic provisions

- a) The Customer is granted a non-exclusive and – subject to the terms and conditions governing the use of Software by third parties, resale and leasing – non-transferrable right of use to the Software for its own purposes. "Use" signifies running the programs and editing the data records.
- b) Until each due fee is paid in full, the Customer is entitled to use the Software solely on a revocable basis. If the Customer is in default with regard to the payment of fees, imc is entitled to revoke the use of the respective services for the duration of the default. The Customer is granted the permanent right to use copyright protected services, in particular the Software, only upon full payment of the agreed fee.
- c) The Customer agrees to undertake appropriate precautionary measures to prevent unauthorized access by third parties to the Software. The original data carriers and the data carriers used to make copies as per the agreement, as well as the documentation, are to be stored in a secure location. Employees are to be notified that the production of copies beyond the scope of the agreement is not permitted.
- d) If the right of use is revoked or expires due to another reason, the Customer is obligated to return to imc the Software, the copies made by the Customer and the documentation. Provided that a physical return of the Software and the copies is not possible due to technical reasons, the Customer is obligated to delete such and confirm deletion to imc in writing.

(2) Reproduction

- a) The Customer is entitled to make copies of the Software only if copies are necessary to use the Software in accordance with the contract. The following are considered cases in which reproduction is necessary: installation of the Software from the original data carrier onto the hard disk drive of the hardware used, as well as loading the Software into the computer memory.
- b) The Customer is entitled to create a backup copy if such is necessary to safeguard future use. Copies may only be made for other purposes after prior written consent has been issued by imc.
- c) The Customer is not allowed to make any reproductions other than those expressly permitted under the provisions of this agreement.

(3) Use of the Software by Third Parties, Resale and Leasing

- a) The Software may be used for the purposes stipulated in this contract, in particular for the Customer's business operations. Access to the Software may also be provided to parties which rely on using the Software as instructed by the Customer. In particular, the Customer is entitled to operate the Software or allow the Software to be operated on data processing devices, which are located on the premises of and are directly owned by a third party company (outsourcing). The prohibition against multiple use remains unaffected.
- b) The Customer may permanently sell or give the Software to third parties provided that the Customer is granted permanent use of the Software. In the context of its period of use, the Customer may temporarily transfer the Software to third parties for a fee or free of charge. The prohibition against multiple use remains unaffected. The Customer is expressly notified that transfer to third parties is not permitted and use by third parties is technically not possible if an individual license must be acquired or an individual activation is required for third party usage, such as in the case of runtime licenses.
- c) With regard to the valid use of Software by a third party, the Customer is obliged to ensure that the third party acknowledges the provisions of this agreement governing the rights of use as binding for such third party. The Customer may not transfer Software and documentation to third parties if there are grounds to suspect that the third party may infringe upon the provisions of this agreement governing the rights of use, in particular with regard to the unauthorized production of copies.
- d) Subject to the provisions stipulated in § 4 Paragraphs 1 and 2 or a deviating express agreement in writing, the Customer may not use the Software while the Software is being used by a third party (prohibition against multiple use); in the event that the Software is transferred to the third party, the customer is obliged to surrender to imc all Software copies including, if applicable, all existing backup copies, or to destroy copies not surrendered.

(4) Decompilation

The reverse translation of the provided program code into other code forms (decompilation), disassembling and other forms of reverse engineering of the various production phases of the Software is not permitted. If interface information is required to achieve the interoperability of a separately created computer program, such may be requested from imc, or a third party to be named by imc, for a minor fee. Section 69 e of the German Copyright Act ("UrhG") remains unaffected by this provision.

(5) Changes by imc

If imc conducts adjustments, changes or enhances the Software on behalf and on account of the Customer, the Customer thus acquires the corresponding rights of use to the changes or enhancements of the Software to which he is entitled according to the stipulations of this agreement.

(6) Exceptional Usage Requests by the Customer

If the Customer requests to use the Software according to terms which deviate from the requirements stipulated in Paragraphs 2 through 5, this exceptional use of the Software must be agreed in writing by imc. In such an instance, the Customer agrees to provide imc with information about the desired scope of use, the pertinent field of application, etc. If imc subsequently grants a license covering the Customer's special intended use, the parties agree that a new license fee is owed by the Customer, which is independent of payments made by the Customer for the previously existing license.

§ 3 Copyright, Protection of the Software

- (1) The intellectual property, in particular the copyright as well as all industrial property rights and trade secrets, are retained by imc and are not transferred to the Customer. The Customer's ownership of the machine-decodable data carries and data processing units remains unaffected.
- (2) Copyright notices, serial numbers as well as designations and reservations of rights which serve as program identification or a protective right may not be removed or changed. The Customer is obliged to transfer the existing protective right notices to all copies. In particular, backup copies of the Software must be expressly designated as such.

§ 4 License Types, Multiple Use

- (1) In the case of a Single-User License, the Software may be activated and run on only one data processing unit. "Activation" refers to the process of transferring the license to the data processing unit.

If the technical specifications for the Software permit a second activation, then the Customer may additionally activate the Software on a second data processing unit. However, the Software may only run on one data processing unit at any one time, not on both simultaneously.

- (2) With a Network License, the Software may be run on as many data processing units as the amount of licenses obtained. In this case a central data processing unit acts as the license server for which the activation process is performed.

If the technical specifications for the Software permit a second activation, then the Customer may additionally activate and run the Software on as many data processing units as the amount of licenses obtained. However, these additional data processing units must be used by the same users who operate the Software via the license server.

- (3) Subject to the provisions in Paragraphs 1 and 2 or a deviating express agreement in writing regarding network use, multiple use of the Software is not permitted.
- (4) If the data processing unit is changed, the Customer is obliged to delete the Software from the hard disk drive of the previously used hardware.

§ 5 Trial Version

If the Software used is a free trial version, then the following additional limitations apply:

- (1) The trial version only entitles the user to test the Software. In particular, commercially productive utilization is not permitted.
- (2) The rights of use granted expire after the elapse of a period stated in the product description.

§ 6 License Key

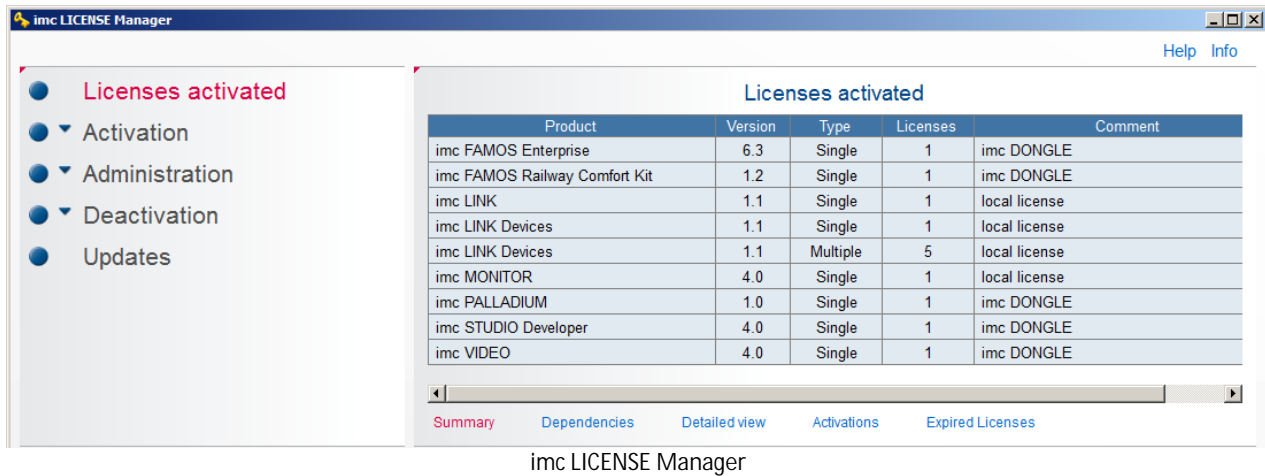
- (1) Upon delivery of the Software the Customer receives a License Key. Using this License Key, the Customer is able to activate the Software purchased. By means of this License Key the Customer can also view his license status and order updates and upgrades.
- (2) The License Key is to be protected against access by third parties in order to prevent misuse. If, however, a third party gains unlawful access to the Key, the Customer is obliged to notify imc immediately via telephone, as well as in writing, so that the previous License Key may be suspended and a new one issued.

§ 7 Conclusion

- (1) The law of the Federal Republic of Germany shall apply under exclusion of private international law. The provisions of the UN Convention on Contracts for the International Sale of Goods (CISG) do not apply.
- (2) The place of performance for all obligations arising from this agreement is imc's registered seat. Insofar as the Customer is a merchant as defined by the German Commercial Code (HGB), a legal entity under public law, or a special asset under public law, the exclusive place of jurisdiction for all disputes directly or indirectly arising from the contractual relationship is agreed as imc's registered seat. The same applies to persons who have no general place of jurisdiction in Germany, as well as to persons who have moved their place of residence or usual whereabouts abroad since conclusion of the contract, or whose place of residence or usual whereabouts is unknown at the time the action is filed. In addition, imc is entitled to file suit at the statutory venue.
- (3) Oral side-agreements are not valid. Deviating or supplementary conditions as well as modifications of this contract, including this written requirement clause, are only valid if agreed in writing and expressly marked as a modification or supplement.
- (4) If certain provisions of this contract are inoperative or unfeasible, this does not prejudice other provisions of the contract. The contracting parties agree to contractually substitute an operable provision which approximates the commercial intention of the contract as closely as possible for any inoperable one.

2 Overview

The *imc LICENSE Manager* enables you to activate and display imc software products requiring a license.



When you acquire an imc software product you receive an activation key.

After installing the product, the licensing process is performed using the *LICENSE Manager*.

The program can be activated

- locally, for the PC:
 - the software can be run exclusively on this PC.
- on the *imc DONGLE*:
 - In this case the software can be run on any PC where
 - a) the software has been installed and
 - b) the *imc DONGLE* is connected.

2.1 System requirements

| | |
|------------------------|------------------------------|
| Operating system: | Windows 7, 8.1, 10 |
| Software requirements: | Microsoft .NET Framework 4.0 |
| Rights: | Higher than guest rights |

2.2 Installation

By default, the *imc LICENSE Manager* is installed along with the program purchased (imc FAMOS, imc STUDIO etc.). For this purpose, manual installation is not required.

If the *LICENSE Manager* is needed on a PC where no activated imc software is present, it must be installed manually. This is necessary for the purposes of *activation / deactivation without Internet* on the PC having Internet access if that PC does not have imc software installed.

To do this, start *imcLM_Setup* on the installation CD/DVD in the folder *LicenseManager* or *Products/LicenseManager*.

Additionally, when setting up a *network server*, the service *imc License Service "IMC-LI"* is required, installed by *imc LM_SetupServer.exe*.

After installation, the service "IMC-LI" starts automatically.

Also observe the [Internet settings](#) ²³ which are required for correct functioning.

2.3 License types

There are two ways to license imc software: as a single-user license or as a network license.

Both the single-user licenses and network licenses of certain products (e.g. imc FAMOS and imc STUDIO) include a second activation. When in doubt, refer to the technical data on the product you own.

Single-user licenses can also be used with the imc DONGLE, in which case the second activation is omitted.

Network licenses require a License server and can not be used with the imc DONGLE.

What is a single-user license?

A single-user license provides permission to run the licensed imc software product on one PC, to which the software is then confined.

A single-user license comes with a second activation, for example, for use on a mobile computer.

When the computer is replaced, the single-user license must be deactivated using the License Manager. Subsequently, it is available for use on a different PC.

What is a rented license?

A rented license is a single-user license valid for a limited period of time.

What is a network license?

Network licenses are not confined to one PC and are assigned to computers running imc software by a local license server.

The license server has a pool of licenses. All computers having access to this server are assigned a license dynamically and return it when no longer using it. Thus, for example, 30 computers may have access to a license server having only 15 network licenses, which means that only 15 computers can run imc software in parallel.

The network licenses are activated on the license server and must be deactivated again when the license server is replaced.

Each network license also comes with a second activation for use by a user on a second computer such as a laptop.

What is a second activation?

A second activation is a license for one user to run imc software on a second computer such as a laptop. It is important to note that the software may never be run on both computers simultaneously.


The second activation behaves like a single-user license and is permanently confined to one computer.

When uninstalling the imc software or replacing a computer, the second activation needs to be deactivated by means of the License Manager. Subsequently, it is available again for use on a different computer.

Second activations are always linked with either a single-user or a network license.

! Note

TextTemplate

- If you experience problems activating or deactivating licenses, please contact our [Hotline](#) .
- If you are unable to activate or deactivate a license, please contact our Hotline.

2.4 imc DONGLE

If multiple computers are running the imc products, you can transfer the licenses to an imc DONGLE. The imc DONGLE then activates the operating computer.

Toward this end, the License Manager supports a mixture of licenses; such which are linked to a specific computer, such which may be available via a network server, and such which are read by the imc DONGLE.

License types

With an imc DONGLE, only first licenses and their updates can be activated.

Network licenses and second activations are not possible with an imc DONGLE.

Important constraint: If a license is activated on an imc DONGLE, then no second activation is available any longer for this license.



Software version

The imc DONGLE is supported as of license manager version 1.3.

The imc DONGLE *nano* is supported as of license manager version 3.0.

Structure

The imc DONGLEs consist of a USB-HID device, which is the protected dongle part.

| imc DONGLE | imc DONGLE nano |
|---|--|
| Order No. 1010111 | Order No. 1010180 |
|  |  |
| also consist of a USB-Flash: free memory | no USB-Flash / no free memory |

Plugging/unplugging an imc DONGLE

In order to use the licenses on an imc DONGLE, the imc DONGLE must be connected at the start of the program to be licensed. If the imc DONGLE is unplugged during the program's runtime, a message appears to prompt the user to plug in. If the user does not comply, the License Manager closes the program after 1 min. It is also possible to save the program and close it manually, if the imc DONGLE is no longer available.

If the only licenses on the imc DONGLE are ones which are not needed, then it can be unplugged even while using an imc program requiring licensing.

Transfer of a license from the imc DONGLE to PC or vice-versa

An activated license can be [deactivated](#)^[34] at any time. Following deactivation, the license is available for another PC or imc DONGLE and can be re-transferred. Since any [activation](#)^[17] and [deactivation](#)^[34] is always registered on the imc Server, either [direct](#)^[18] or [indirect](#)^[22] connection to the Internet is required.

Use of the imc DONGLE in virtual machines

When the imc DONGLE is used with a virtual machine, both USB device parts (USB-HID,USB-Flash) must be adjusted to the VM (Connect (Disconnect from host)).

Note

For the use of licenses with the imc DONGLE, writing authorization on the USB-port is not necessary; Demo-licenses are exempted from this requirement. For this reason, it is recommended to activate Demo licenses directly on the PC.

Warning

- Never format the imc DONGLE! Formatting imc DONGLE also deletes the folder containing the license information!
- Never encrypt the imc DONGLE! Encryption prevents reading out the license information!

2.4.1 FAQ imc DONGLE



How much does it cost to exchange the dongle?

Exchange is available as a purchase; in this case, a new imc DONGLE is ordered.

With which software can the imc DONGLE be used?

The versions of the products imc FAMOS, imc STUDIO, imc LINK etc. do not matter. What is decisive is having Version 3.0 or higher of the License Manager. This comes standard beginning with imc FAMOS 7.1. Additionally, the License Manager can be downloaded from the imc site: www.imc-tm.com

As of which License Manager version is the imc DONGLE supported?

Version 3.0

Will the old imc DONGLE still be recognized by a new License Manager of version 3.0 or higher?

Yes

Is it possible to activate demo licenses on the imc DONGLE?

No

How do I find out if the imc DONGLE is still recognized?

1. Open the License Manager
2. Select activation via Internet
3. The imc DONGLE should appear on page 3 (7):

Note: The old imc DONGLE appears as a drive, but the imc DONGLE *nano* does not.

Can the imc DONGLE *nano* still be used as a storage medium?






In contrast to the old imc DONGLE, the imc DONGLE *nano* has no free memory, i.e. it can not be used as an additional storage medium.


Is it possible to accidentally delete/format the imc DONGLE *nano* or is it protected against this?

The imc DONGLE *nano* is no longer displayed as a drive and thus can also not accidentally be formatted, nor its content deleted.

2.5 Definition of terms

| Term | Definition |
|-----------------|--|
| Activation | "Activation" denotes the procedure for obtaining a license to use a software product. Computer-specific data (the fingerprint) are combined with certain data for the product to obtain the license. Following installation of a program, it must first be activated before it can be run. |
| Activation file | The "activation file" is a transport file for computer-specific data and activated licenses with whose help it is possible to activate computers not having Internet access. |

| Term | Definition |
|---|---|
| Full version | In contrast to updates and upgrades, the version of the software which can be run without the installation or activation of any further components. |
| imc DONGLE  | USB-dongle, on which a product license can be activated. This then replaces the computer-bound licensing. |
| License | A "license" is the entitlement to use a software product on a computer. |
| License Key | <p>By purchasing an imc software product, you acquire a <i>"License Key"</i>, which is assigned to you as the customer. A imc products requiring a license which you purchase are assigned to this <i>"License Key"</i>.</p> <p>The License Key must be carefully kept and may not be made available to third parties.</p> <p><i>The "License Key"</i> thus does not pertain to a single product but to you as a registered user.</p> <p>Additional activations of the program on this computer are thus made possible by means of this License Key. Toward this end, ensure that the same License Key is used. In particular, when making repeat orders, be able to state the License Key.</p> |
| License file | The "License file" contains all licenses activated for the local computer. |
| Network license  | <p>Network licenses are licenses which are not attached to a single PC. Within the network, a server is set up which has a certain number of available licenses. All computers having access to this server obtain a license by dynamic assignment.</p> <p>Under certain conditions (see the corresponding product documentation), when you purchase a network license for N users, you obtain additional N single-user licenses as second activation.</p> |
| Product | A "product" is a software package appearing in the price list, e.g. imc FAMOS Professional. |
| Product bundle | The "product bundle" contains multiple products, e.g. imc FAMOS Professional and the Spectral Kit. |
| Rented license  | A rented license is a single-user license which is valid for a limited period of time. |
| Second activation  | <p>Under certain conditions, a program can be activated on a second computer. However, special note must be made that the program may never be used on both computers simultaneously. A second activation is possible if a single-user license (not a network license) was purchased and the corresponding product documentation indicates the possibility of a second activation. The "second activation" enables an additional activation if one activation has already been performed on a different computer. It is provided for purposes of use by the same user on a mobile PC or a home computer.</p> <p>The second activation is also attached to the particular computer.</p> <p>Second activation can be omitted if the license is activated on the imc DONGLE.</p> <p>Please note that the second activation does not constitute a second activation, but instead enables the same license, for practical purposes, to be used sometimes on one computer and sometimes on another, without the inconvenient need for repeatedly transferring the license from one computer to the other.</p> |
| Single-user (license)  | A license which entitles a program to be used on one computer. Upon activation, the license is transferred to a computer. This means that the license is attached to this computer. Under certain conditions, it is possible to perform a second license activation; see below. |

| Term | Definition |
|---|--|
| Trial version  | A trial version is a full version having an expiration date, attached to a single computer, and possibly subject to other limitations. |
| Update | The enhancement of a program to a higher and newer version. For instance, an update from imc FAMOS 7.0 to 7.1 |
| Upgrade | The enhancement of a program or a related program to a more powerful version |

3 User Interface

3.1 Licenses activated

A license is activated locally for either a PC or for the *imc DONGLE*. A local license is bound to a certain PC and cannot be transferred to a different PC. The process of activating a license involves transferring data which uniquely identify the PC. The PC's data are then permanently associated with the activated license for one product.

If the license was linked to the *imc DONGLE*, it can be used independently of any particular PC. In order to be able to run the software on any PC, the software must be installed and the *imc DONGLE* possessing the appropriate license must be connected.

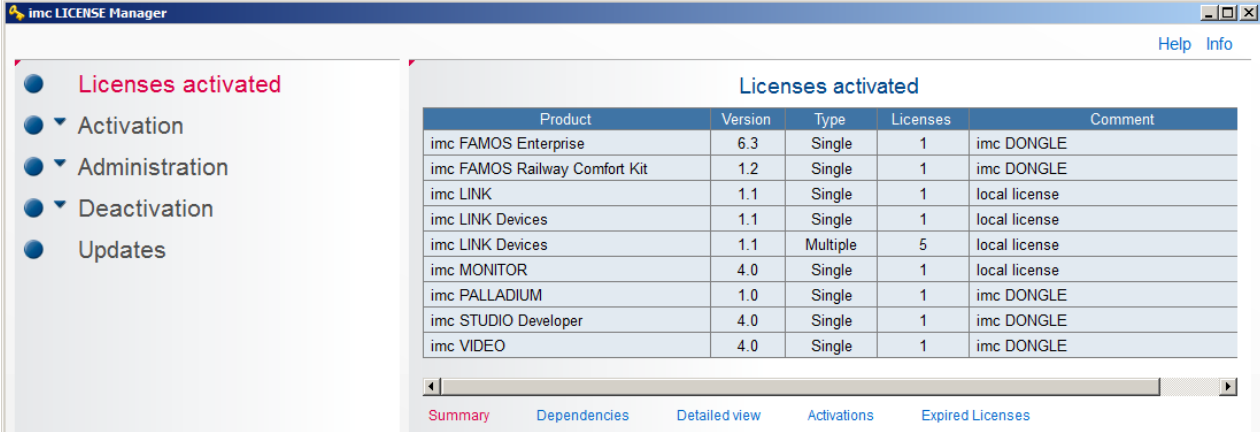
The table in the branch *Licenses activated* lists all software products which have been activated on this PC and/or on the connected *imc DONGLE*. If you wish to see all of a Licence Key's possible software products, use the menu item [Administration > License overview](#) ²⁸.

There are various views which can be selected for the table:

Summary:

In the view "Summary", the relevant information for the installed products is listed.

The comment indicates whether the was obtained via the imc DONGLE connected, or via a network service or from the PC's hard drive.

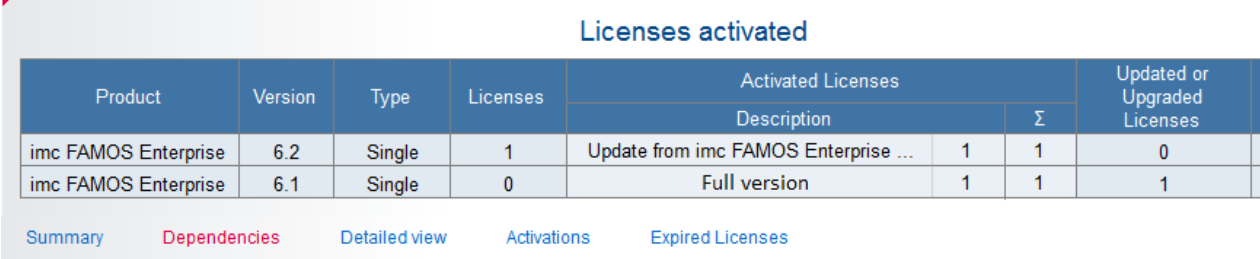


The screenshot shows the 'imc LICENSE Manager' window. On the left is a sidebar with navigation items: 'Licenses activated' (selected), 'Activation', 'Administration', 'Deactivation', and 'Updates'. The main area displays a table titled 'Licenses activated' with columns: Product, Version, Type, Licenses, and Comment. Below the table are tabs: 'Summary' (selected), 'Dependencies', 'Detailed view', 'Activations', and 'Expired Licenses'. A 'Help Info' link is in the top right corner.

| Product | Version | Type | Licenses | Comment |
|-------------------------------|---------|----------|----------|---------------|
| imc FAMOS Enterprise | 6.3 | Single | 1 | imc DONGLE |
| imc FAMOS Railway Comfort Kit | 1.2 | Single | 1 | imc DONGLE |
| imc LINK | 1.1 | Single | 1 | local license |
| imc LINK Devices | 1.1 | Single | 1 | local license |
| imc LINK Devices | 1.1 | Multiple | 5 | local license |
| imc MONITOR | 4.0 | Single | 1 | local license |
| imc PALLADIUM | 1.0 | Single | 1 | imc DONGLE |
| imc STUDIO Developer | 4.0 | Single | 1 | imc DONGLE |
| imc VIDEO | 4.0 | Single | 1 | imc DONGLE |

Dependencies:

"Dependencies" indicates whether the version of the software product is a full eine full version or was licensed by means of updates.



The screenshot shows the 'Dependencies' view of the 'imc LICENSE Manager'. The table is titled 'Licenses activated' and has columns: Product, Version, Type, Licenses, and a sub-table for 'Activated Licenses' (Description, Σ), and a final column 'Updated or Upgraded Licenses'. The 'Summary' tab is selected.

| Product | Version | Type | Licenses | Activated Licenses | | Updated or Upgraded Licenses |
|----------------------|---------|--------|----------|--------------------------------------|---|------------------------------|
| | | | | Description | Σ | |
| imc FAMOS Enterprise | 6.2 | Single | 1 | Update from imc FAMOS Enterprise ... | 1 | 1 |
| imc FAMOS Enterprise | 6.1 | Single | 0 | Full version | 1 | 1 |

Detailed view:

"Detailed view" lists all components which are automatically licensed along with the software product.

| Licenses activated | | | | |
|---------------------------------|--------------|---------------|-------------|------------------|
| Product | Version | Type | Licenses | Comment |
| imc FAMOS Enterprise | 6.3 | Single | 1 | imc DONGLE |
| imc FAMOS Reader | | | | |
| imc FAMOS Standard | | | | |
| imc FAMOS Professional | | | | |
| imc FAMOS Spectrum Analysis Kit | | | | |
| imc FAMOS Video | | | | |
| imc FAMOS Order Tracking Kit | | | | |
| imc FAMOS Class Counting Kit | | | | |
| imc ASAM ODS Browser | | | | |
| imc FAMOS Runtime | | | | |
| imc FAMOS Railway Comfort Kit | 1.2 | Single | 1 | imc DONGLE |
| Summary | Dependencies | Detailed view | Activations | Expired Licenses |

Activations:

"Activations" shows the points in time at which licenses are activated as a demo, full version, rented license or update.

| Licenses activated | | | | | | |
|--------------------------------------|--------------|---------------|-------------|------------------|------------|--------------|
| Product | Version | Type | Users | Usable days | Activation | Update ... |
| imc FAMOS Enterprise | 6.2 | Single | 1 | unlimited | 04.05.2012 | Full version |
| imc FAMOS Railway ... | 1.2 | Single | 1 | unlimited | 15.11.2011 | Full version |
| imc FAMOS Railway ... | 1.2 | Single | 1 | unlimited | 04.05.2012 | Full version |
| <div> <div></div> <div></div> </div> | | | | | | |
| Summary | Dependencies | Detailed view | Activations | Expired Licenses | | |

Expired Licences:

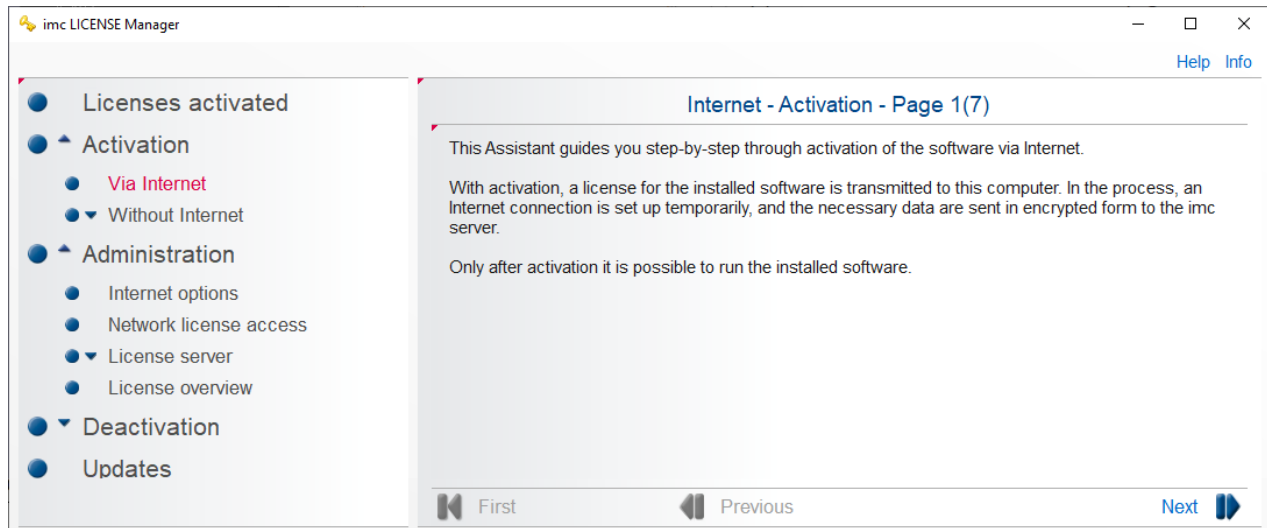
Here, demo versions and rented licenses whose term has expired are listed.





3.2 Activation

In order to activate your product directly, Internet access is necessary. If the computer for which the software is intended does not have Internet access, it is possible to activate the license via a different computer. On this topic, see [Activation without Internet](#)²².

3.2.1 Via Internet

The inputs needed for activating a license for a product are to be entered in the sequence of pages belonging to the Activation Assistant. If and entries are missing, it is not possible to proceed to the next page. The controls "Start", "Back" and "Next" allow switching between the Assistant's pages.



| Page | Description |
|------|---|
| 1(7) | This page contains general explanations about activation. |
| 2(7) | <p>Contact data: Here, enter your name, company and e-mail address.</p> <p> The contact data "Name", "Company" and "e-mail" are necessary for a "second activation" for certain products and should be filled in accurately.</p> |
| 3(7) | <p>Enter the License Key: Here, enter your License Key . If the activation of multiple products is desired, enter the "License Key". The License Key is obtained along with the delivered program.</p> <p>If you wish to test the software in trial mode or free programs like the imc FAMOS Reader, select the option "Trial versions and free software". For this purpose, a License Key is required.</p> <p>By selecting "Second Activation", it is possible to next perform an additional activation on a different computer. Please note the conditions under which this is actually possible.</p> |
| 4(7) | <p>Connection with the Internet: This page visualizes the Internet communication with the web service for requesting activation of products. If any connection errors occur, corresponding error messages are displayed. If communication was successful, the next page opens automatically.</p> |
| 5(7) | <p>Display of available products: On this page, a tabular list of all products which can be activated is presented. Using the selection control in each line, it is possible to select the product desired in each row. The button "Show all products" shows the product list of product bundles and other products which can be activated but are not installed on the local computer.</p> <p> Products for which there is already a license on the local computer (see Licenses ), no longer appear in the list. Neither do products which belong to product bundles on the local computer, and older versions of which the newer ones are already licensed.</p> <p>If there are trial licenses on the local computer, then any products purchased can be activated. If purchased products are activated, any trial versions of the product are no longer listed.</p> |

| Page | Description |
|------|--|
| 6(7) | Connection to the Internet: This page displays the Internet communication with the web service for activation. If connection errors occur, there will be error messages. In this step of activation, the activated licenses are transferred to the local computer. |
| 7(7) | The last page provides information about the conclusion of the activation and any additional information about the status of particular products. |

3.2.1.1 Single Location (License)

Activation via Internet

With direct Internet access, proceed as follows:

Step 1:

After installing the program, open the *imc LICENSE Manager* and click on *Activation > Via Internet* and go to contact data via *Next*.

Step 2:

Here, enter your contact data. Keep a record of these with the License Key, since these data absolutely must match for any subsequent activation.

Proceed with *Next* on page 3.

Please enter your contact data.

Name: *

Company: *

e-Mail: *

* requested

Step 3:

Please select the desired version.

☐ Trial versions and freeware

Your license key: . .

☐ Second activation or network single activation

☐ Dongle:

For activation, these are the available selections:

1. Enabling Trial Version: Select *Trial Version and freeware* if you have not yet purchased the software and you wish to test the software without a License Key.
2. Freeware: Enable *Trial versions and freeware*.
3. Entering the License Key: If you have purchased the program, enter the License Key here.
 - Activate the single-user license
 - Activate a network license on the computer which is to serve as the license server.
 - Second activation of a single-user license is only possible if the single user license has already been activated once and the conditions or the second activation are met.

Attention: The contact data for the single user license and the second activation must be identical.

Step 4:

By clicking on "Next", the system accesses the Internet to research whether there is already an available license for your version (page 4). Subsequently, page 5 appears with the list of the available products.

| Licenses activated | | | | | |
|----------------------|---------|--------|----------|--------------------|---------------|
| Product | Version | Type | Licenses | Period of validity | Comment |
| imc API Developer | 7.3 | Single | 1 | unlimited | local license |
| imc Inline FAMOS | 5.2 | Single | 1 | unlimited | local license |
| imc STUDIO Developer | 5.2 | Single | 1 | unlimited | local license |

Example: activated licenses

Products do not appear if

- the license is already activated on the computer.
- the license is already activated on a different computer.
- if no product had been purchased which has the License Key entered.
- if they are already a part of a product bundle which is activated on the computer.

Trial versions do not appear if a full version has already been activated.

Updates and upgrades do not appear if the corresponding full versions have already been activated.

If your product does not appear, please contact the [Customer Support](#) ⁵.

Step 5:

A click on Next activates the license via Internet. Subsequently, the successful activation is indicated on page 7.

Second activation

If a single-user license has already been transferred to a computer, under certain conditions it may be transferred to a second computer. This second activation is performed in the same way as the first one, except that in step 5 the option *Second activation* must be selected.

Please select the desired version.

☐ Trial versions and freeware

Your license key: . .

☒ Second activation or network single activation

Entries for the second activation

Note

- The contact data and the License Key must match those for the first activation.
- The "second license" can not be installed on a computer on which there is already a single user license.
- The contact data sent pertain to the "second computer"
- Please note the conditions which apply to the [second activation](#)¹³.
- A second isn't available if the first activation is saved on the *imc DONGLE*.

3.2.1.2 Rented license

Activation

To activate a rented license, proceed in the same way as for a [Single Location \(License\)](#)¹⁹.

The overview of available products will then contain the following entries, as an example:

| Internet - Activation - Page 5(7) | | | | | | | | |
|--|---------|--------------------------|--------|-------|--------------------|------------|-----------|--|
| Please select the desired products using the corresponding checkbox in the "Selection" column. | | | | | | | | |
| Available products | Version | Selection | Type | Users | Period of validity | Update ... | Comment | |
| imc STUDIO Developer | * | <input type="checkbox"/> | Single | 1 | 7/31/2021 | Rental | installed | |
| imc FAMOS Enterprise | * | <input type="checkbox"/> | Single | 1 | 7/31/2021 | Rental | installed | |

Rented licenses

After the activation, the rented licenses appear in the overview as seen below:

| Licenses activated | | | | | | |
|----------------------|---------|--------|----------|--------------------|---------------|--|
| Product | Version | Type | Licenses | Period of validity | Comment | |
| imc FAMOS Enterprise | * | Single | 1 | 7/31/2021 | local license | |
| imc STUDIO Developer | * | Single | 1 | 7/31/2021 | local license | |

activated rented licenses



You can also activate rented licenses on an imc DONGLE.

Period of Validity

The number of (validity) days remaining is indicated in the License Manager under *Activated Licenses*.

| Licenses activated | | | | | | |
|----------------------|---------|--------|----------|--------------------|---------------|--|
| Product | Version | Type | Licenses | Period of validity | Comment | |
| imc FAMOS Enterprise | * | Single | 1 | 1 day | local license | |
| imc STUDIO Developer | * | Single | 1 | 1 day | local license | |

Period of Validity

License expiration



Before a rental period elapses, a message is posted upon starting the software affected.

This message appears 31 days, 10 days, 3 days, 2 days and 1 day before validity expiration.

| Product Licensing Message | | | |
|---------------------------|----------------------|---------|--------------------------------------|
| No. | Product | Version | Message |
| 1 | imc STUDIO Developer | 5.2 | The period of use expires in 3 days! |

Info-Window: Validity elapse indication

Expired licenses appear in [Activated Licenses under Expired Licences](#) ¹⁷⁾

3.2.2 Without Internet

The functions in this group pertain to activating a license on a computer which does not have Internet access.

Therefore an activate file is exported from the computer without internet (PC_o). This file is transferred to a computer with internet (PC_i). On this PC_i the activation file is used for activation. Afterward this file is transferred back to the PC without internet.

Step 1: Export activation file

After the installation of the imc Software on the PC without Internet access, open the imc LICENSE Manager and select *Activation > Without Internet > Export activation file*.

Follow the instructions. The computer-specific data are displayed.

At the end of the instructions, save these information to an arbitrary location by clicking on *Save activation file*. The file extension is **.imclinfo*.

The computer without Internet access exports its specific date and the already saved activated licenses in an activation file.



Step 2: Copy the activation file to the computer with Internet access (PC_i)

Note: Since the *imc LICENSE Manager* will alter the contents of the activation file, it must be ensured that the file is not write-protected. For that reason, it is also not possible to import the file directly from a CD. In this case, the file must be copied to a re-writable data carrier.

Step 3: Activate with activation file

Open the imc LICENSE Manager on the PC with Internet access and choose *Activation > Without Internet > Activate with activation file*.

Select the copied file by clicking on *Open activation file*. The computer information are displayed.

The computer with Internet access opens this activation file. Now follow the instructions of the Assistant using *Next*, in the same way as for [Activation with Internet](#). ¹⁹⁾



Next, the license file selected above is found updated in the same folder. The *imc LICENSE Manager* had previously saved the original file with the file extension **.bak*.

Step 4: Copy the activation file back to the computer without Internet

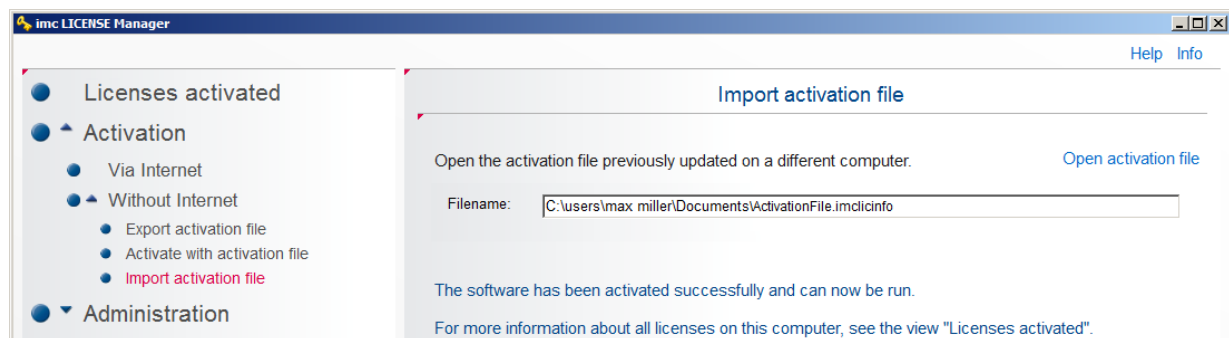
Step 5: Import activation file (PC_o)

Select *Activation > Without Internet > Import activation file*.

Open the newly created activation file. The activated licenses are applied to the computer without the Internet access.

Only the licenses which match the computer's data are applied. Import to a 3rd computer is not possible.

After importing, the software is activated and the following dialog is displayed:

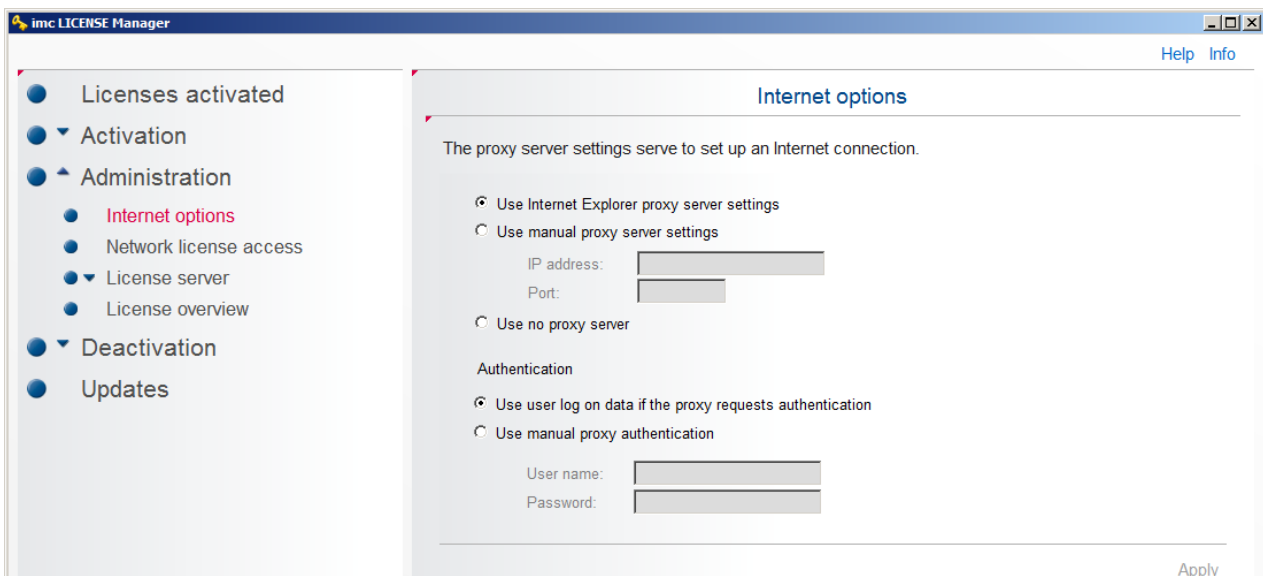


Note

The validity of the activation file expires after three days. After that time, the procedure must be repeated.

3.3 Administration

3.3.1 Internet options



Internet options

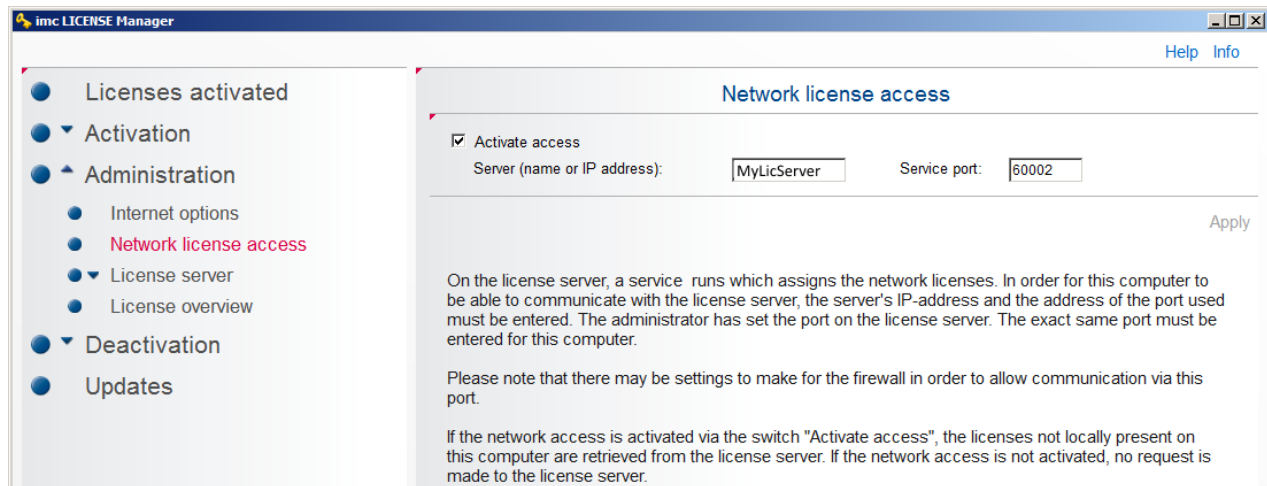
If the Internet access is via a Proxy server, individual settings are necessary unless the Internet Explorer's settings are used.

- Port: Normally it is sufficient to use the Internet Explorer's settings. Typically, either Port 80 or 8080 is used. If a different port setting is necessary, contact your system administrator.
- Protocol: The use of TCP/IPv4 is required for correction functioning.

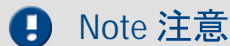
3.3.2 Access to network licenses

When a network license is used, the imc software queries a network server for the license.

For this purpose, its IP-address and its Service Port are required. Ask your administrator for these specifications.



Access to network licenses



Network license access

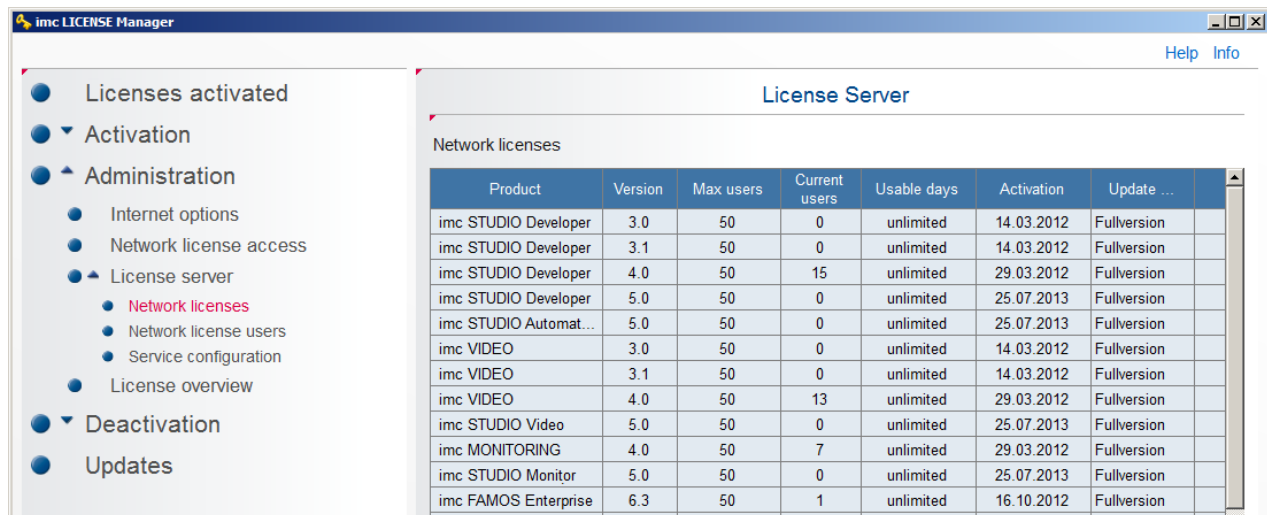
The network server itself must also activate access to network licenses.

3.3.3 License server

3.3.3.1 Network licenses

In the menu *Administration > License Server > Network licenses* all available network licenses are listed.

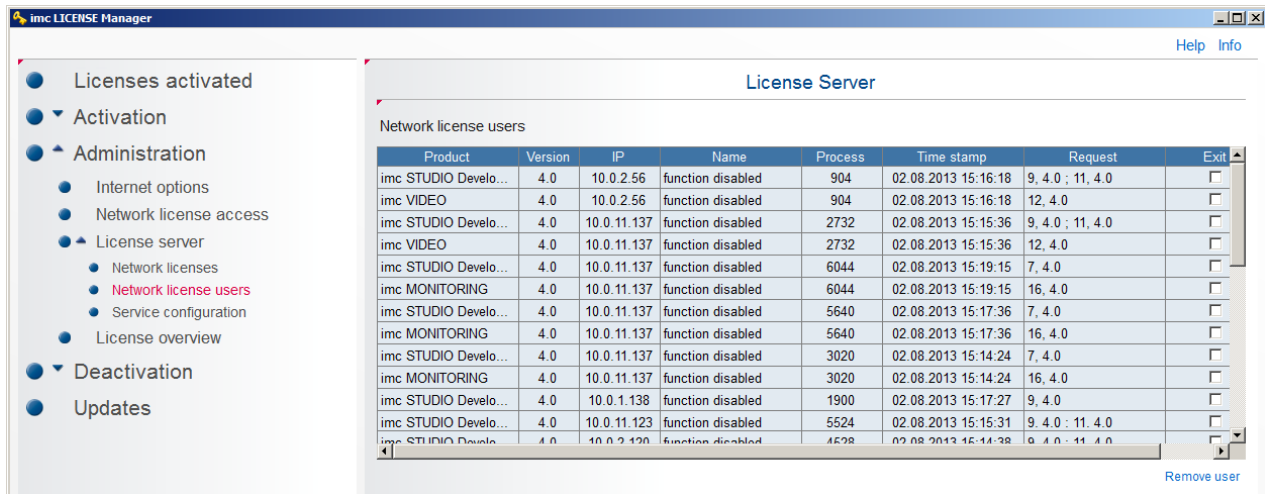
To obtain a list of all software products activated on the PC, use the branch [Licenses activated](#)¹⁶.



3.3.3.2 Network licenses users

The "Network licenses users" and "Service Configuration" are only visible if the "[imc License Server \(imcLM_SetupServer.exe\)](#)" is installed.

All currently allotted licenses are displayed.



Display of currently used licenses

If a license was unable to be correctly registered due to a PC crash, it remains intact on the server for one more hour. The *imc LICENSE Manager* indicates this by an entry in red letters. The administrator can enable the license with "Remove user".

3.3.3.3 Service configuration

Note

- This view is only visible on the computer on which the License Server-service has been run.
- In order to edit these settings, the License Manager must be started with Administrator privileges, and the corresponding License Server service must be installed.

Use network adapter

For the administration of the license server, it is necessary to enter the service port.

☐ Use network adapter that is automatically selected by Windows:
 Service port:

☒ Use the listed network adapter, no selection by Windows:

| | IP Address | Port Id | |
|-----------------------|------------|---------|--|
| <input type="radio"/> | <IP> | <Id> | |

License Server

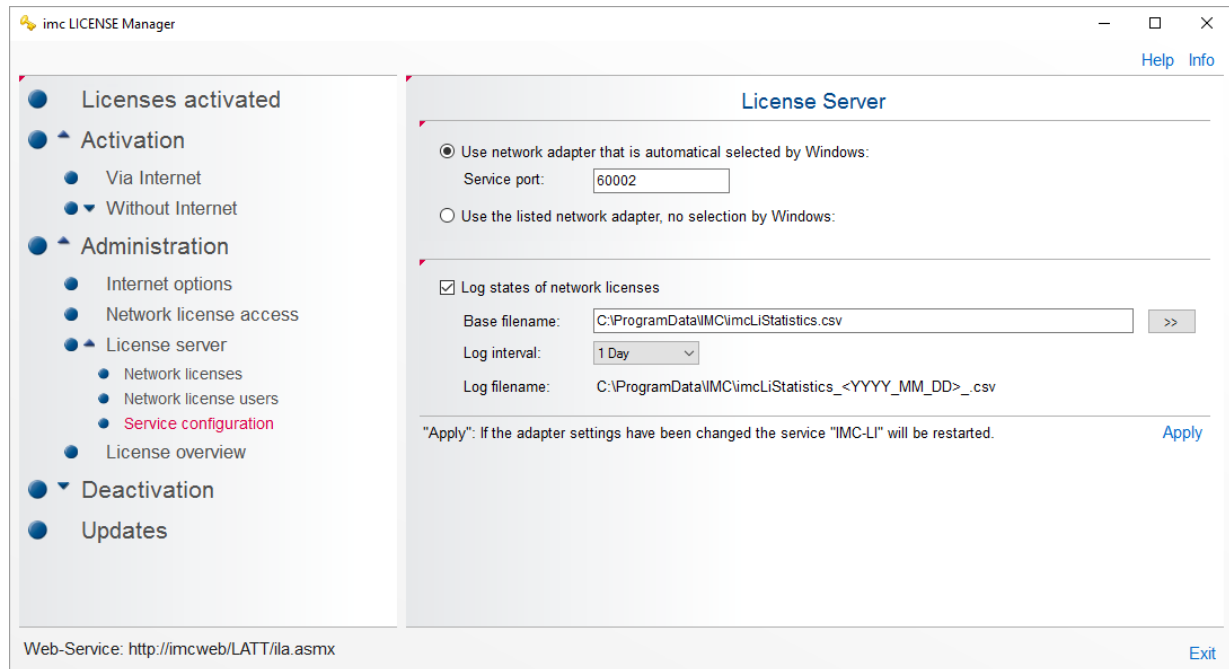
Logging

It is possible to log the allocation status of the network licenses.

Configuration via the License Manager

In order to activate the logging of network license status, start the License Manager with Administrator privileges.

The configuration can be made under the view *Administration > License server > Service configuration*.



Service Configuration - Logging

The time interval for usage of a log file can be set to one day or one month. The service generates a unique log file name from the date and the specified base filename.

For simplification purposes, the starting day "01" is used for monthly logging.

When newly creating a log file, the denial counter is reset for each network license.

| Interval | Filename |
|----------|-----------------------------------|
| Day | <filename>_YYYY_MM_DD.<extension> |
| Month | <filename>_YYYY_MM_01.<extension> |

Example: "imcLiStatistics_2016_04_13.csv"

Warning

The License Server-service can not access paths or files in the User-folder (My Documents).

Log entry structure

| Designation | Separator | Content | Meaning |
|------------------|-----------|--|--|
| <Timestamp> | <, TAB> | 04/22/16 11:15:29 | Date (MM/DD/YY) and time |
| <Productname> | <, TAB> | imc Produkt | Name of an imc product |
| <Productversion> | <, TAB> | V7.0 | Version of an imc product |
| <Type> | <, TAB> | INIT, STOP, START, PASS, FREE, FAIL | Type of event logged |
| <IP> | <, TAB> | 10.0.3.95 - | IP address of the PC upon START, STOP, INIT |
| <PC Count> | <, TAB> | 50 | Extent of network license |
| <current PCs> | <, TAB> | 10 | Current license count |
| <Denials> | <, TAB> | 0 | Number of denied activations. |

The separator is determined by the filename's extension. If the extension is csv, then commas are used as separators, otherwise the Tabulator character.

With text files, the Tabulator is the specified separator in EXCEL.

The denial counter is reset for each new log file.

Example (*.csv)

```
04/22/16 11:15:29,imc FAMOS Enterprise,V7.0,INIT,-,1,0,0
04/22/16 11:15:29,imc FAMOS Enterprise,V7.1,INIT,-,1,0,0
04/22/16 11:25:38,imc FAMOS Enterprise,V7.0,PASS,10.0.3.95,1,1,0
04/22/16 11:25:41,imc FAMOS Enterprise,V7.0,FREE,10.0.3.95,1,0,0
04/22/16 11:28:28,STOP
04/22/16 11:28:34,imc FAMOS Enterprise,V7.0,START,-,1,0,0
04/22/16 11:28:34,imc FAMOS Enterprise,V7.1,START,-,1,0,0
```

Event types

| Event | Description |
|-------|---|
| INIT | When generating a new log file, the current allocation status of network licenses is listed. |
| STOP | Logging was stopped via the configuration interface. |
| START | Logging was started either via the configuration interface or the service. The current allocation status of network licenses is listed. |
| PASS | A PC logged on and received a clearance for use. |
| FREE | A PC has logged out and surrendered the allocation. |
| FAIL | A PC was denied clearance for use. The denial counter was incremented upward. |

Configuration file

The configuration of the logging can also be made by means of the configurations file "imcLiM.config" in the node <Statistics> in the section <LicenceServer>. The service "IMC-LI" must subsequently be restarted.

```
<LicenceServer>
  <Service Port="60007" ServerIP="" />
  <Adapters Use="0">
    <Adapter IP="10.0.3.95" Port="60003" />
  </Adapters>
  <Statistics Use="1">
    <File Name="C:\ProgramData\IMC\imcLiStatistics.csv" Interval="DAY" />
  </Statistics>
</LicenceServer>
```

Behavior at runtime

The logging behavior at runtime accounts for the need to temporarily open the log file (for viewing) by another process which prevents writing of an entry (e.g. EXCEL™). For this reason, the entries are saved temporarily in an internal list. The actual writing is initiated asynchronously by a clock counter. This causes a delay of an event's appearance in the log file.

If a network license is activated/deactivated while the license server service "IMC-LI" is running, then all internal administration structures are reset. In the log, the new status is recorded as a "Start" following a "Stop".

The license server service internally encoded for the asynchronous clock counter is 10s and the buffer size is 500 entries.

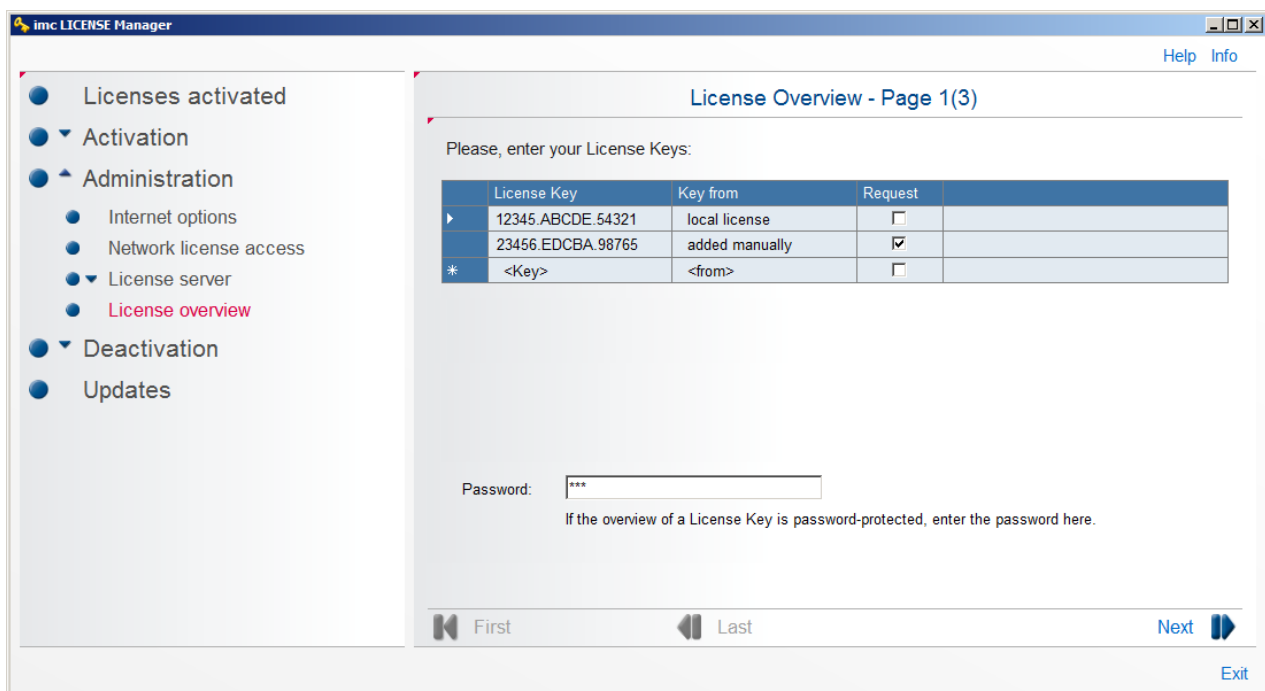
Runtime errors

If any errors (exceptions) occur during logging or upon initializing the log, they are entered in the Windows Application Log as the event type "Error". Only the first occurrence of each particular error is entered in the event log.

Any incorrect logging should not lead to closing of the service, in order to ensure that clearance for use can be issued in any case.

3.3.4 License overview

The License Overview enables the listing of all software products which can be activated for a License Key. Along with the Licence Keys used locally, you can add additional ones manually. If you only wish to see the software products activated on this PC, use the table under [Licenses activated](#)¹⁶.



List of all local and manually entered License Keys

Password protection

A license can be password-protected, in which case the software products only appear once the correct password has been entered. The password is supplied in consultation with our [Customer Support team](#)⁵. It is not possible to make any entries or changes by means of the License Manager.

Display of all software products of a license

Place a checkmark under Request for each license whose software products you wish to have listed. The click on *Next*. Your computer will then set up a connection via Internet to the License Server and lists all software products.

| No. | Product | Version | Type | Licenses | Comment |
|-----|----------------------|---------|--------|----------|---------|
| 1 | imc FAMOS Enterp... | 6.3 | Single | 46 | |
| 2 | imc FAMOS Enterp... | 6.2 | Single | 28 | |
| 3 | imc FAMOS Enterp... | 6.1 | Single | 14 | |
| 4 | imc FAMOS Profes... | 6.3 | Single | 21 | |
| 5 | imc FAMOS Profes... | 6.2 | Single | 10 | |
| 6 | imc FAMOS Class ... | 1.6 | Single | 1 | |
| 7 | imc FAMOS Order ... | 1.5 | Single | 1 | |
| 8 | imc FAMOS Railwa... | 1.2 | Single | 19 | |
| 9 | imc FAMOS Spectr... | 1.5 | Single | 1 | |
| 10 | imc FAMOS Video | 3.1 | Single | 1 | |
| 11 | imc STUDIO Develo... | 5.0 | Single | 2 | |

Software products of the requested License Keys

This dialog initially lists all licenses entered for this PC. You can then enter additional License Keys in the view.

Add and remove additional licenses

Click on the last row under License Key and enter an additional key. Set the checkmark under *Request* and click on *Next*.

To remove an entry, select the line by clicking the triangle on the left. Then enter *Delete key* with a right mouse click.

3.3.4.1 Reports

The License Overview information is organized in different reports which present simplified summaries of the information.

| No. | Report |
|-----|--|
| 1 | imc Overview (Licenses purchased) |
| 2 | imc Overview (Licenses used) |
| 3 | imc Overview detailed |
| 4 | imc Activation summary |
| 5 | imc Activations detailed |
| 6 | imc Overview (License Key separated) |
| 7 | imc Overview detailed (License Key separated) |
| 8 | imc Overview of available new versions |
| 9 | imc Overview of available new versions (License Key separated) |
| 10 | imc Overview of maintenance |

List of all local and manual entered License Keys

Overview (Licenses purchased)

Product

Licensed imc software

Version

Product version

Type

Single-user or Second Activation

Licenses

The column *Licenses* contains the total number of licensable installations of this version on different PCs. It shows how many full versions are activated and how many updates have been performed for the products purchased.

If updates contribute to the total number, the number of remaining licenses for the predecessor versions is reduced by the number of updates. The predecessor version remains usable, since licenses for higher versions include the predecessor versions.

Comment

The comment provides information on interdependence between licenses (Update and Full License). The user does not enter the comment.

Overview (Licenses used)

Product

Licensed imc software

Version

Product version

Type

Single-user or Second Activation

Licenses

The column *Licenses* contains the total number of licensable installations of this version on different PCs. It shows how many full versions are activated and how many updates have been performed for the products purchased.

If updates contribute to the total number, the number of remaining licenses for the predecessor versions is reduced by the number of updates. The predecessor version remains usable, since licenses for higher versions include the predecessor versions.

Free full versions

This column states how many installations of the product version on new PCs can be licensed. The free full version can consist of a full license of the corresponding version, or be composed of successive activations of a predecessor version with subsequent activation of an update license.

Free updates

This column states how many update to this product version are still remaining. In contrast to "Free Full Versions", this "Free Update" can only be activated on PCs having an existing license for the predecessor version.

Comment

The comment provides information on interdependence between licenses (Update and Full License). The user does not enter the comment.

Overview detailed

Like Overview with two additional columns.

Activations

This column states how many activations there are of this version and indicates the current usage of this product version.

Updates available

This column indicates the number of usages of this version which can be raised to a higher version by updates.

Activation summary

The report "*Activation summary*" lists how many licenses and how many update licenses were purchased. In the column "Purchased" of this report, the sum of products contained for the specified "License Key" is indicated. These correspond to the information on the delivery note.

Update...

Number of update licenses purchased.

Acquired

Sum of products included for the specified License Key = *Activations* + *Free*.

Activations

Number of products activated

Free

Number of activations still available

Activation detailed

This report shows the activations of individual users.

User, PC, email, Company to be entered by the user upon activation

Usable days

Duration of still available use in days

Users

Number of users in network licenses

UID

Unique license ID number

License Key

Associated License Key

Overview (License Key separated)

Like *Overview*, but sorted by License Key

Overview detailed (License Key separated)

Like *Overview detailed*, but sorted by License Key

Overview of available new versions

Product

Licensed imc software

Version

Product version

Type

Single-user or Second Activation

Licenses

The column *Licenses* contains the total number of licensable installations of this version on different PCs. It shows how many full versions are activated and how many updates have been performed for the products purchased.

If updates contribute to the total number, the number of remaining licenses for the predecessor versions is reduced by the number of updates. The predecessor version remains usable, since licenses for higher versions include the predecessor versions.

Available new version

Version to which an existing installation can be updated.

Required licenses

Number of licenses required to be purchased in order to be able to perform an update on all computers with the "*Available new version*".

Overview available new versions (License Key separated)

Same as *Overview of available new versions*, with corresponding License Key specified.

Overview of maintenance

Product

Licensed imc software

Last maintenance servicing

Last date an update was provided.

Maintenance until

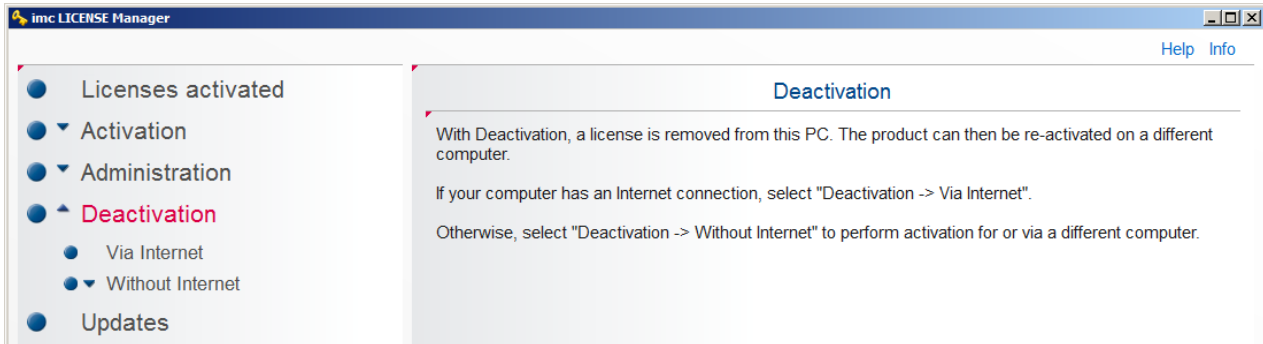
End of period during which updates are provided.

License Key

License Key associated with the maintenance contract.

3.4 Deactivation

If you wish to transfer a product's license to a different computer, the activated license must first be restituted. As with [activation](#) ¹⁷⁾, this can be accomplished directly [via Internet](#) ³⁴⁾ or via a different computer having an Internet connection.



Deactivating a license for an installed program

The deactivation is recorded on imc's licensing server, where the license is not deleted but recorded as "not active". You can activate a license and deactivate it again as often as you wish.

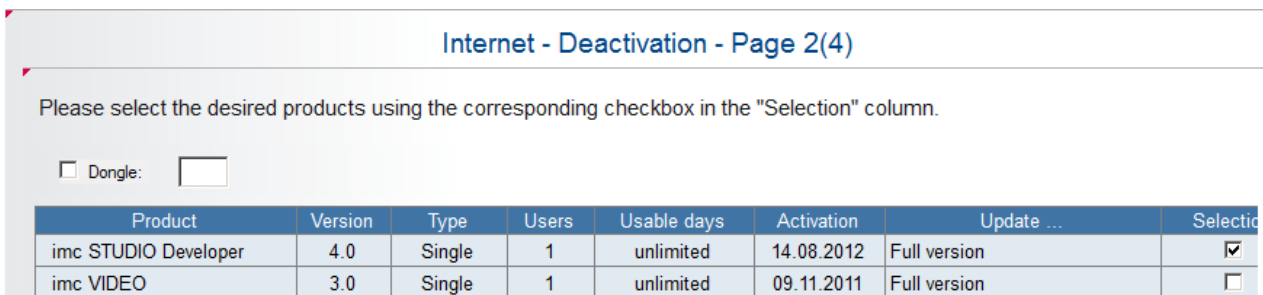
3.4.1 Via Internet

Select the item *Deactivation > Via Internet* and follow the Assistant's instructions.



Deactivation Via Internet

Click on *Next*. A list of all activated products appears. Under *Selection*, select the product which you wish to deactivate.



Deactivation: Select the product

When the *imc DONGLE* is connected, an option box *Dongle* appears, with an indication of the drive designation. When this option is selected, the dongle's licenses are listed and can be deactivated:

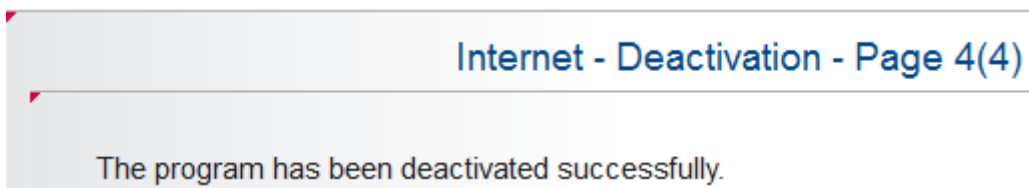
Please select the desired products using the corresponding checkbox in the "Selection" column.

☒ Dongle:

| Product | Version | Type | Usable days | Activation | Update ... | Selection |
|----------------------|---------|--------|-------------|------------|--------------|-------------------------------------|
| imc STUDIO Developer | 3.1 | Single | unlimited | 13.12.2011 | Full version | <input type="checkbox"/> |
| imc STUDIO Developer | 4.0 | Single | unlimited | 04.05.2012 | Full version | <input checked="" type="checkbox"/> |

Deactivation of a dongle-license

Click again on Next. This causes an Internet connection to the imc server to be set up. Subsequently there is a confirmation that the software has been successfully deactivated.

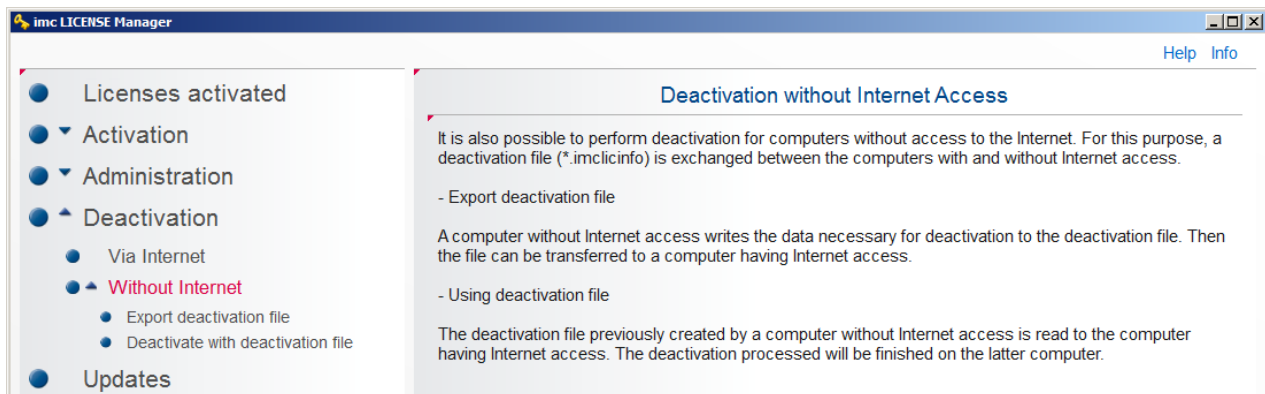


Deactivation: Software has been deactivated successfully

It is now possible to activate the software from a different PC.

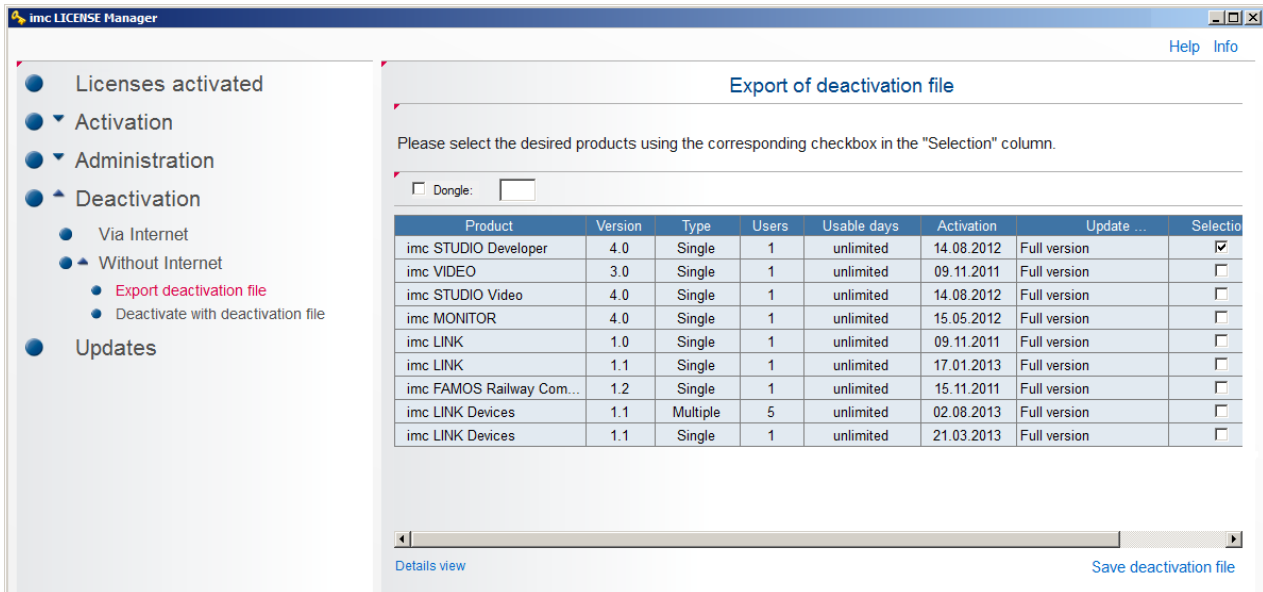
3.4.2 Without Internet

Deactivation without Internet connection is performed similarly to [activation](#)²². Initially, a deactivation file is created on the computer having the activated software, and saved in a data carrier (Export deactivation file). This file is opened by a computer having Internet access and sent to the imc license server.



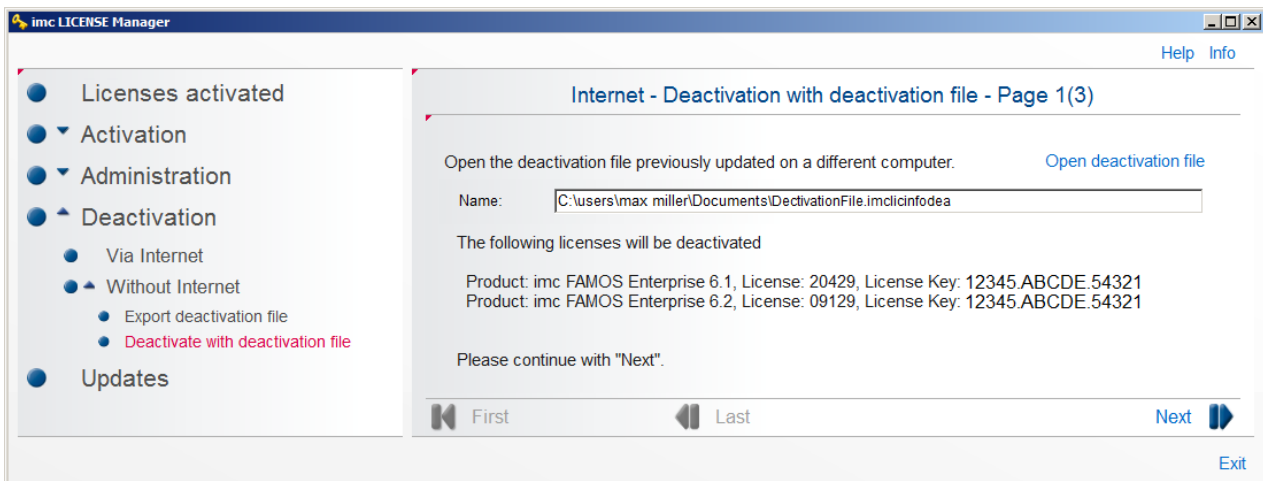
Deactivation without Internet access

To perform deactivation without Internet access, select the item *Export deactivation file*. Select the program desired and enter a storage location for the file. From this moment, activation on that computer is already canceled.



Deactivation: Exporting the deactivation file

Load the deactivation file to the computer without the Internet connection. By clicking on the button *Next*, you are sending information to imc's license server. Subsequently, the software license is available for activation again.



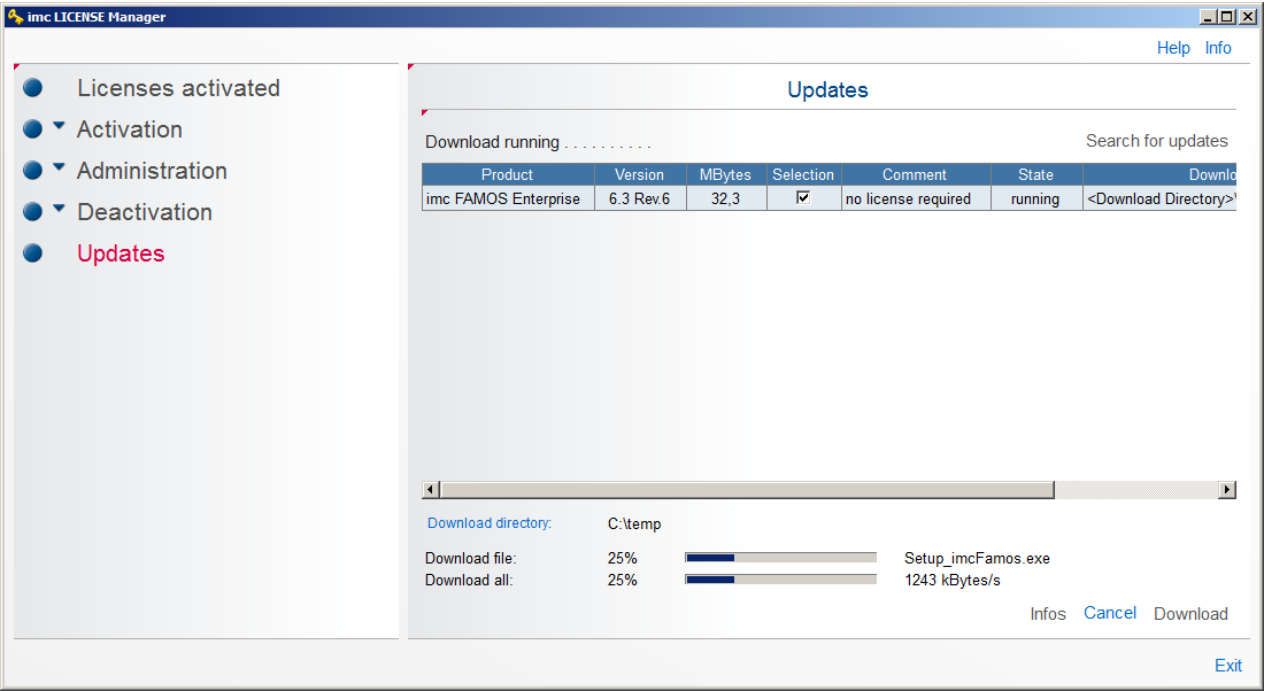
Deactivation: Sending the deactivation file

3.5 Updates

Under *Updates*, an overview of all new versions of the installed products is shown. These are directly available for download and installation.

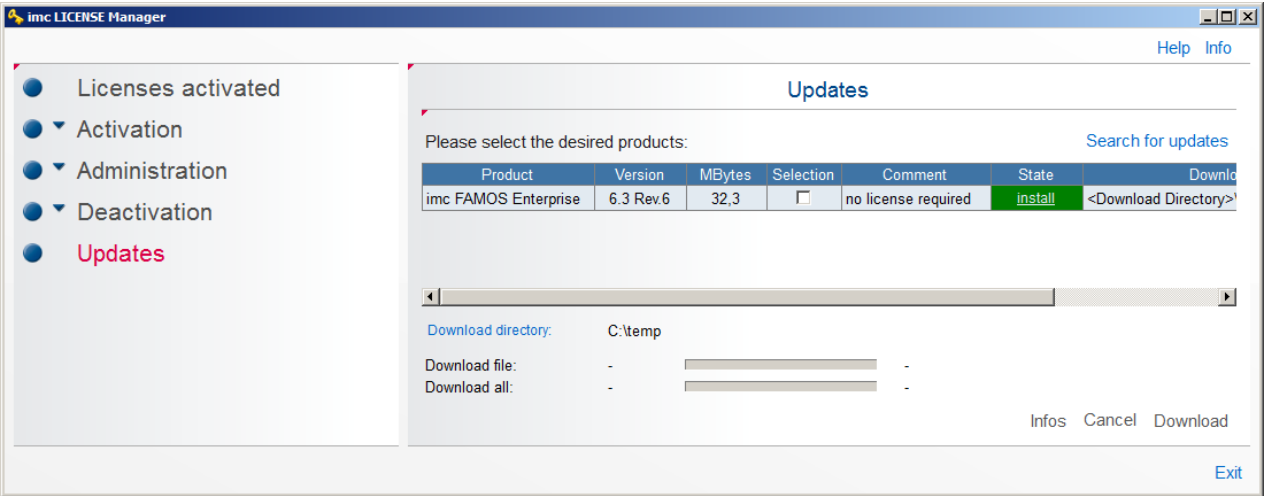
With *Search for updates*, an Internet connection is set up. New versions of the programs installed on your system will be listed in a table.

Under *Download directory*, specify where to save the updates. With *Download*, the transfer begins, and the *State* is set to *running*.



Downloading the updates

Upon conclusion of the transfer, the status changes to *install*. By clicking on this entry, you cause the update to be installed directly.



Installation of the updates

4 Network license

4.1 Instructions for administrators

First install the *imc LICENSE Manager* if no other *imc* products are already present.

Activation of the network licenses is performed as for a single-user license, see [Installation of the single user license](#)^[19]. Additionally, the administrator must set up the server's IP address and the port number.

- The Service Port can be set using the *imc LICENSE Manager*. After changing the port number, it is necessary to restart the server in order to have the settings applied.
- Changing the IP address by means of the *imc LICENSE Manager* is not possible.

Note

- When additional network licenses are purchased, they are activated just like other licenses. For this purpose, the same contact data and License Key are to be used.
- The prerequisite is the additional service *imc License Service "IMC-LI"* installed by *imcLM_SetupServer.exe*.
- In order for the client & administrator to be able to access the Licence server, it may be necessary for the port set to be enabled on the License server (admin rights are required).
For example, with Port 60002, Windows-10-Firewall: Find under Control Panel > System and Security > Windows Defender Firewall > Advanced settings; where a "New rule" is to be set under "Inbound Rules":
UDP + TCP of specific local port 60002
On the client, it would be possible to define an "Outbound rule", but the Firewall normally does not put limitations on the outbound ports.

4.2 User & administrator instructions

Step 1:

In order to obtain a network license on a computer, the server's IP-address and its port must be known. Users get this information from their administrator.

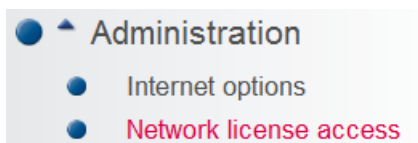
Install your *imc* product.

Step 2:

Start the *imc LICENSE Manager*

Step 3:

Select *Administration > Network license access*



The following dialog appears:

Network license access

☒ **Activate access**

Server (name or IP address):

192.168.0.25

Service port:

60002

[Apply](#)

Activate access
Server IP address
Service Port

Internet access must be configured for the PC, in other words, the HTTP protocol (Port 80) must be enabled. If a proxy server is used, the corresponding port must be specified (it depends on the network, so inquire with the administrator).

If a proxy server is used, the LM adopts the default gateway from the Internet options. However, the proxy server can also be [set in the License Manager](#) ²³. The corresponding settings are made by the respective purchaser's network admin.



Note

Checklist in case of error

1. Are the ports and protocols mentioned above enabled?
2. Is the License Manager blocked by the Firewall?
3. Is the Internet access limited to permitted Internet addresses?

Step 4:

Select *Activate access*.

Step 5:

Enter the server IP-address and Service Port number which you obtained from the Administrator. With *Save configuration*, the settings are applied.



Note

- The number of licenses still available can be seen under the menu item [Administration/ License server/ Network licenses](#) ²⁴.
- If more network licenses are requested than are available, the user is notified by a message.
- If the server fails, the programs continue running for a reserve time of four hours. An error message provides notification of the server's failure.
 - Within the first two hours of the reserve time, the program tries to resume contact with the server. Every 30 minutes, the user receives a message. If the server is back on the network within the first 2 hours, the licenses are automatically retrieved.
 - The program runs for another two hours without searching for the server. If the server is back on the network in this time, the software must be restarted in order to re-initialize the licensing.
 - If the server is not back on the network when the reserve time elapses, the program ends automatically.
- Which PCs were issued licenses is noted under [Administration/ License server/ Licenses used](#) ²⁵.
- In order to prevent any deactivation of the program due to server failure, the computers can be equipped with the corresponding single-user license.

4.3 Silent Setup

The following provides an explanation of how to enter the access data for the license server on the Client's PC in conjunction with automated installation of the License Manager.

The License Manager uses an XML-file: imcLiM.config, which contains the settings for the access to the license service. This file is normally generated when entering the data "[Administration](#)" - "[Access to network licenses](#)"²⁴⁾. The file has the following structure:

```
<?xml version="1.0" encoding="utf-8"?>
<Config>
  <LicenceManager>
    <NetLiSvcAccess IP="11.222.33.44" Port="60002" Enable="1" />
    <WebProxy Use="0" Address="" Port="" Auth="0" />
  </LicenceManager>
  <LicenceServer>
    <Service Port="60002" />
  </LicenceServer>
</Config>
```

For the Client, the pertinent section is <LicenceManager> ... </ LicenceManager>. The section <LicenceServer> ... </ LicenceServer> pertains to the service of the Server.

The entry sets the IP-address, the port and enables access.

```
<NetLiSvcAccess IP="11.222.33.44" Port="60002" Enable="1" />
```

Copy these data to the Client-PC along with the automated installation. Thus, the access data are set on the Client-PC and the user is able to start the licensed products directly.

| | |
|---|---|
| Target folder for the imcLiM.config file: | |
| Win-XP: | "C:\Documents and Settings\All Users\Application Data\IMC\LI" |
| Win7, Win 8, Vista: | "C:\ProgramData\imc\LI" |

5 Trial version license

- The trial version has the rights of the full version but with certain limitations.
- Trial version licenses come with time limits for use.
- The validity period depends on the particular software product.
- Please observe the license agreement, in particular also §7, which represents additional limitations of the trial version.
- Depending on the product, additional limitations may apply to the trial version; please refer to the corresponding product documentation.
- A trial version license can only be activated on a computer once per software product. After the validity expires, a single-user or network license is needed in order to continue using the program.
- The conversion of a trial version license is only possible by activating a [single-user](#)¹⁹ or [network license](#)³⁸.

Note

If the validity of the Demo license expires while the software is running, it reacts like in the case of expiration of a network license. See notes under [Network license\What does the user need to do?](#)³⁸. The procedure does not start until the next morning at 9 AM, so that there should be sufficient time to remedy the problem.

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