

DHI License Management

User Guide



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1 Introduction

The DHI License Management application is a tool for managing your DHI software licenses. It comes in two versions:

- The complete version which is only required to install in case you are activating the license issued on a hardware key (dongle), and
- The studio version is installed automatically along with any MIKE Powered by DHI products.

Managing the licenses includes

- importing license files into the license service
- connecting your DHI software applications to a license service
- identifying available licenses
- viewing which licenses are in use by whom

This user guide will describe the license configuration as Network and local mode. If you have an internet license please refer to a separate document as 'Internet license user guide'.

1.1 The DHI License System

The DHI License Management system consists of a license server application (a Windows service) that can be installed on a corporate server, a user's local workstation or on a DHI server. The type of mode available to your organization depends on the sales agreement between your organization and DHI.

These three deployment modes are named as:

- Network mode
- Local mode and
- Internet mode

Licenses for MIKE Product (except Internet) are provided in a text file with the name xxx.dhilic2. The license file must be imported into the tool before you can make use of your MIKE product in the licensed mode - either on a server or on your local PC.

Internet mode does not require a separate installation of the DHI License Management tool. The Studio version installed with the software will be sufficient for connecting to the Internet License server.

The MIKE Software applications connect to the license server while running for verifying free licenses is called requesting a license - and if successful, the

license becomes "taken". When the application is shut down, it releases the taken license(s) and make them available again.

A MIKE Software application may require multiple licenses (known as license modules) to run; it depends on the features or modules required for carrying out the requested application processing.

The DHI License Management tool can be used for viewing the modules your organization has available together with the number of seats (i.e., the number of licenses for a given module that can be taken at any given time).



2 Installing the DHI License Management tool

The tool comes as a separate download for each version. See Table 2.1 on when and how to install the complete tool. If you are running MIKE product from a local PC with a hardware key, it is required to have 'DHI license management tool' installed together with MIKE software.

For Network mode, the tool must be installed on a server only.

	Hardware key	Installing DHI License manager required
Local mode	Yes	Yes
Network mode (recommended)	Yes (on server only)	Yes (on server only)
	No (on client PC)	No (on client PC)
Internet mode	No	No

Table 2.1Options related to licensing

It is strongly recommended to install the DHI License Management tool as administrator. After unzipping the file make sure to right-click the setup.exe file and choose 'Run as administrator'.

Name	Date modified	Туре	Size
setup.exe	21/08/2024 23.14	Applic	ation 96.519 KB
	Open		
	🛛 Run as administrator		
	Share with Skype		
	Troubleshoot compatibility		
	 Move to OneDrive 		

Figure 2.1 Installing using 'Run as administrator'

In case you try to connect to localhost and the DHI License Management has not been installed properly, the following error message will appear:





Installing the DHI License Management tool

3 User Interface

The DHI License Management tool user interface appears as shown in Figure 3.1 below.

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-3 MIKE SHE 2024 -3 MIKE+ 2024							0	K Apply	Close	Help

Figure 3.1 The DHI License Management tool user interface

The left panel (A) shows a navigation menu - here you will also be able to see which MIKE software has been installed on this PC, if applicable.

Selecting "**All licenses**" will enable you to see all the license modules (B) that are available to you with the installed license file. If you select a product, the licenses available for the chosen product will be shown.

See the "How-To" sections in Chapter 4 for learning how to use the tool.





4 How-To

This section explains how to use the DHI License Management tool for managing your DHI licenses and for connecting to a license server. In case you are using an internet license, please refer to the Internet license user guide.

4.1 How do I setup a license server? import a license file?

In network mode all users share a pool of licenses activated on a centralized license server in the same organization, e.g as soon a license is released by a user it is available and ready to be used by another user on the same network.

To utilize the configuration as a license server more administrative right may require.

Before you start, make sure to insert the dongle into the server and the license .xxxdhilic2 file is saved locally.

The license is imported by selecting **'License Server'** at the top of (A). See Figure 4.1 below, - the **'Available Licenses**' area is empty.

Then:

- Choose Localhost as Host name
- Click the "Import license file..."
- Follow the screen instruction to browse to the supplied xxx.dhilic2 license file

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Convert la User C Licenses C Customer Status Licenses S Customer Status License server Host name or IP addres:	Connect
Server Dongle ID: [723 Available Incesses Module ^ Version Vari Model size Cores Seats Pree seats Produc	Timeout: 20 3
Import license file	٩
	Available Konses Module [^] Version Vari Model size Cores Seats Free seats Produ Import license file OK





If you are working on a PC with the dongle connected and the software installed, you are now ready to use the software.

Please be aware of the following conditions:

- You can import a license file to a local license server or a remote one, but
 - If you import to a local license server and do not have Windows Administrator rights, you will be prompted for License Administrator Credentials (see chapter 5)
 - If you import to a remote license server, you will always be prompted for License Administrator Credentials

4.2 How do I connect to a license service?

Based on the type of licenses you have acquired within your organization the connection procedure may varies:

- 1. License service within your organisation (network based)
- 2. Internet based license please refer to a separate user guide

License service within your organisation

Your DHI software needs access to a license service for requesting the required license modules, see Figure 4.2.

- Select the "License Server" node in the left panel
- In the right panel connect to the license server in your company network (You can write the server's name or enter the IP address)
- Click Connect

狩 DHI License Management		- (X
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MIKE 11 2023 MIKE 21 2023 MIKE 21C 2023 MIKE 3 2023	Available licenses Module Version Vari Model size Corres Seats Free seats Product I.d AUTOCAL 2025 unlimited unlimited unlimited MINE_SHE		^

Figure 4.2 Connecting to License server

Your organisation's dongle number will now be shown in the "Server Dongle ID" field and the available modules will be displayed.



Internet based license please refer to a separate user guide

On your local PC use the License Administration application for selecting the Internet License server option, see Figure 4.3.

- Select the "Internet License Server" in the left panel
- In the right panel, enter your Internet license credential with a User name and a password or check the 'use MIKE Cloud login'.
- Click Connect
- The available licenses will be displayed
- Click Apply

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MORE ORBAN 2020	Internet license ser	æ								
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E HIDRO 2024	m2 the colab	2025	723	unimited	unlimited	unimited	unimited	MOKE_21	2021-12-01	
E PITORO Basin 2024	m23rhd	2025	723	unimited	unlimited	unimited	unimited	H0/E 21	2021-12-01	
- 2024	m2 invest	2025	723	unimited	unlimited	unimited	unimited	MOXE 21	2021-12-01	
ate Consistent Wild	m21mos	2025	723	unimited	unlimited	unlimited	unimited	MOX 21	2021-12-01	
KCY 2025	m23res	2025	723	unimited	unimited	unimited	unimited	M0/E 21	2021-12-01	
11 2026	#21705	2025	723	unimited	unlimited	unimited	unimited	MIXE 21	2021-12-01	
21 2025	m21mpt	2025	723	unimited	unimited	unimited	unimited	MOKE 21	2021-12-01	
216 2025	m21/rev	2025	723	unimited	unimited	unimited	unimited	MDE 21	2021-12-01	
1 2025	m21cm	3025	723	unimited	unimited	unimited	unimited	MINE 21	2021-12-01	
Animator Plus 2025	#2206	2025	723	unimited	unimited	unimited	unimited	MOKE 21	2021-12-01	
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Figure 4.3 Internet license server

A couple of additional settings are available for internet license:

- **The Internet access point**: By default this is set by the installation and should only be modified if instructed by the software provider.
- If your organization utilizes a proxy server for accessing the Internet, please enter the address in the field provided.

A more detailed description of the use and functionality of the Internet based license is included in the **MIKE Internet License User Guide** that can be accessed from the DHI License Management Documentation Index.



4.3 How do I list the available licenses?

Once the license is activated (applies to both dongle based license or internet license) you can see the available licenses in the right area panel (B), see Figure 4.4.

If you use a network mode license, select "**License Server**" to see the available licenses. For internet license, select "**Internet License Server**". If you select a product, you will see the licenses that relate to the selected product.

Please note that not all products or license types have this available.





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LITPACK 2023									
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MIKE A simpler Dive 2022	m21hd fst	2025	unlimited	unlimited	1	1	MIKE+		
MIVE C-MAD 2022	m21hd_fst	2025	unlimited	unlimited	1	1	MIKE FLOOD		
MIKE ELOOD 2022	m21ma	2025	unlimited	unlimited	1	1	MIKE 21		
MIKE HYDRO 2023	m21mt	2025	unlimited	unlimited	1	1	MIKE 21		
MIKE SHE 2023	m21nad	2025	unlimited	unlimited	1	1	MIKE 21		
MIKE+ 2023	m21necolab	2025	unlimited	unlimited	1	1	MIKE 21		
Remote Simulation 2023	m21necolab	2025	unlimited	unlimited	î	i	MIKE 21		
LITPACK 2024	m21necolab	2025	unlimited	unlimited	1	i	MIKE 21		
MIKE 11 2024	m21nhd	2025	unlimited	unlimited	ĩ	1	MIKE 21		
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The list of available licenses shows the license information including:

- Program name e.g. licensed module name for a specific product
- Model size e.g. the limitation on the number of nodes
- Seats and available seats meaning how many seats were licensed and how many seats are in active use
- Version, e.g. the licensed version

If you have configured the License Administration tool for running with the Advanced User Interface, you can see the details of a specific license by selecting the license in the Available list and then clicking the License tab, see Figure 4.6.

R DHI License Management		- 0
	License	Server
License Server Internet License Server MIKE URBAN 2020 Remote Simulation 2020	Server & User Licenses Customer Cu	Ratus 🛍 Logging 🗇 Settings
MIKE+ 2021 MIKE+ 2022 LITPACK 2023 MIKE 11 2023	Property Application/Module Name	Value
MIKE 21C 2023 MIKE 3 2023 MIKE Animator Plus 2023 MIKE C-MAP 2023	Version ⊟ License Type Seats	2025 Corporate loonse unimited
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Remote Simulation 2023 LITPACK 2024 MIKE 11 2024 MIKE 21 2024	Variant Node 1 Node 2	unimited unimited
	Node 3 Node 4	

Figure 4.6

.6 License information in the Advanced User Interface

4.4 How to enable the Advanced User Interface

It is possible to enable the advance User Interface under left panel '**Local settings**' as shown in Figure 4.7.

n DHI License Management	- 🗆 X
	Local settings
HIPE CANADAC Phy 2024 MIRE CHIVEP 2024 MIRE CHIVER 2025 MIRE CHIVER 2025	Licens service

Figure 4.7 Enable the advanced user interface



4.5 How do I see which licenses are in use and by who?

You can see the licenses that are in active use and by whom by selecting the User tab from either the "License Server" view or a product specific view.

DHI License Management							- 🗆
		License Se	erver			///////////////////////////////////////	
R License Server	▲ Server & User	Licenses 🙆 Customer 🚍 Stat	us 🐚 Logg	ing 🗈 Settings			
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MIKE+ 2022	kade	TCE-dit	2024	DKCDH1-NCD4822	KADP-DC2	2024-10-22 03:41	2024-10-28
LITPACK 2023	mamf	MZADDSHELL	2024	DKCPH1-NCR4830	MAME-DC1	2024-10-28 11:39	2024-10-28
MIKE 11 2023	mamf	MZADDSHELL	2024	DKCDH1-NCR4830	MAME-DC1	2024-10-28 11:39	2024-10-28
MIKE 21 2023	mamf	TSEdit	2024	DKCPH1-NCR4830	MAME-PC1	2024-10-28 11:59	2024-10-28
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MIKE 3 2023	trd	MZAPPSHELL	2024	DKCPH1-NCR4834	TRCI-PC2	2024-10-23 15:57	2024-10-28
MIKE Animator Plus 2023	CAIF	MZAPPSHELL	2024	DKCPH1-NCR4842	local	2024-10-28 05:32	2024-10-28
MIKE C-MAP 2023	CAJE	MZAPPSHELL	2024	DKCPH1-NCR4842	local	2024-10-28 05:32	2024-10-28
MIKE FLOOD 2023	CAIE	MZAPPSHELL	2024	DKCPH1-NCR4842	local	2024-10-28 05:32	2024-10-28
MIKE HYDRO 2023	CAIE	MZAPPSHELL	2024	DKCPH1-NCR4842	local	2024-10-28 05:32	2024-10-28
MIKE 2023	CAJE	MZAPPSHELL	2023	DKCPH1-NCR4842	local	2024-10-28 05:32	2024-10-28
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MIKE 21C 2024							
MIKE 3 2024							
MIKE Animator Plus 2024	× ×					OK Apply	Close He

Figure 4.8 List of active users

The User tab shows the licenses that are in active use with information about who is using the license, when the session was started and on which PC.

4.6 How do I release a license

In some situations, it may be necessary to remove a user from using certain license modules.

You can disconnect a user by selecting the session(s) in question and clicking disconnect. Then you will be prompted to enter administrator credentials. See Figure 4.9. Note the administrator right on the server is required.

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		License S	Server		///////////////////////////////////////	
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MIKE 3 2024 MIKE Animator Plus 2024	× ×				OK Apply	Close Help





4.7 How do I start and stop the license service?

You can stop the license service from the 'License Server' view if you have the **Advanced User Interface** activated, see Figure 4.10.

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	License Server	
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Figure 4.10 Stop license service button in Status User Interface

Note: You need to have license administrator rights to 'shutdown' a running license service remotely. You will be prompted to enter administrator credentials as shown in Figure 4.11.

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	License Server	
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Figure 4.11 Entering administrator credentials to shut down a license service

You cannot start a license service remotely; this can only be done from the computer where the license service is installed.

However, you can start a locally installed license service from the Local Settings view on the computer, see Figure 4.12.



Figure 4.12 Starting local license server

4.8 How can I get a log of license system related events?

You can get a log of the license system events from the 'License Server' Logging tab (Advanced User Interface needed), see Figure 4.13. You can also clear logs from this page.

<table-of-contents> DHI License Management</table-of-contents>				-	
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License Server Internet License Server MIKE LIRBAN 2020	Server & User Log messages	r 🎌 Licenses 🖾 Custor	ner 🔄 Status 🛍 Logging 🗈 Settings		
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The log level - i.e. the amount and type of logging - can be configured on the **Settings** tab, see Figure 4.14. The log level can be one of the following:

- Error logs license system errors including failed license requests
- Warning includes additional warning log messages
- Info includes all requests including successfully honored license requests
- Debug includes a large number of internal log messages.
 NB: You should only use this level in case of license system malfunctioning and only for a short period of time as it produces a very large number of log messages

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Figure 4.14 Editing log level from Settings tab





5 License Administrator Credentials

You need 'License Administrator Credentials' for importing a license file on a server remotely, for stopping and starting the license server and for changing log levels, see Figure 5.1.

License administrator credentials are created by:

- Clicking on Advanced user interface on the Local Settings page
- Clicking the Settings tab on the "License Server" page
- Clicking the Add button and creating a new user with Administrator privileges (Role)

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Remote Simulation 2023 LITPACK 2024 MIKE 11 2024 MIKE 21 2024 MIKE 21 2024	Logging Severity: Info V Reset after	12h	
→ MIKE 3 2024 → MIKE Animator Plus 2024 ✓	ОК	Apply Close	Help

Figure 5.1 Creating License Administrator credentials

By default, the license system includes one user with Administrator credentials as:

Name: 'admin' Password: 'licadmin'

NB: You should change this password to a personal one once the license system is initialized.



License Administrator Credentials

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