

MIKE C-MAP

Installation Note



DHI A/S headquarters Agern Allé 5 DK-2970 Hørsholm Denmark

+45 4516 9200 Telephone mike@dhigroup.com www.mikepoweredbydhi.com

Company Registration No.: DK36466871



CONTENTS

MIKE C-MAP Installation Note

1	Introduction	1
2	MIKE C-MAP Installation Step-by-step	2
2.1	Troubleshooting	22
2.1.1	Maps not recognized	22
2.1.2	C-MAP dongle not activated	24



1 Introduction

This note describes how to install MIKE C-MAP Release 2025 and the C-MAP Professional+ digital chart database.

Congratulations with your MIKE C-MAP software package holding the following:

DHI:

- Installation files downloaded from the MIKE Powered by DHI web site or ftp server
- For local and network license:
 - o DHI USB Dongle (if this is your first MIKE Powered by DHI product)
 - o DHI Software license file: license.dhilic (sent by e.mail)
- For Internet license:
 - Login credentials (sent by e-mail)

C-MAP:

- C-MAP USB dongle Aladdin eToken PRO (Java 72k)
- C-MAP license file, password.usr (sent by e-mail)
- C-MAP Professional+ digital chart USB

Please note that the Microsoft .NET Framework 4.0 (Web Installer) is required. If not already installed on your PC, you can find it in the prerequisite folder with subfolder name: DotNet4.0. If not installed prior to the installation of MIKE C-MAP, you will be prompted to do so during the installation.

Please note that previous installations of MIKE C-MAP must be un-installed prior to installing MIKE C-MAP Release 2025. This also relates to the C-MAP software components: 'eToken PKI Client' and 'C-MAP Professional SDK Runtime'.

To optimise the view of the displayed data on your pc screen you will during the installation be asked to enter the size of your pc screen (inches), and likewise when starting MIKE C-MAP the first time to measure the size (in millimetres) of a white box displayed on the screen. Please have a ruler ready as well.



2 MIKE C-MAP Installation Step-by-step

A step-by-step guide on the installation of MIKE C-MAP is given below.

- 1. Insert the C-MAP Professional+ digital chart USB and copy to your hard disk
- 2. Copy license files from e-mails to your hard disk
- 3. Close down all Windows programs currently running on your computer
- 4. MIKE C-Map requires Microsoft .NET Framework 4.7.2 to be installed. In case it already exists, please proceed with step 5.

In case it is not installed, proceed to install .NET Framework 4.7.2 (can be found online)

- 5. Make sure that your pc is connected to the Internet
- 6. Insert the C-MAP USB dongle
- 7. Click 'No' to install drivers if proposed by Windows
- Download the zipped MIKE C-Map installation files from the MIKE Powered by DHI web site (www.mikepoweredbydhi.com)
- 9. Unzip the file and start the installation by running the file 'Setup.exe'
- 10. An install wizard appears with information on missing pre-installations required, i.e. drivers for MIKE Zero, MIKE C-MAP and C-MAP:



Click 'Install' to install all missing required installations



11. After installation of generic drivers for MIKE Zero, the specific drivers for C-MAP application will commence and the following dialogues will appear:

🛃 eTol	en PKI Client 5.1 SP1 S	etup 🗖 🗖 💌			
		Welcome to the eToken PKI Client 5.1 SP1 Installation Wizard			
e	Token PKI Client	The Setup Wizard will install eToken PKI Client 5.1 SP1 on your computer.			
Next > Cancel					

Click 'Next'

😸 eToken PKI Client 5.1 SP1 Setup	
eToken your key to esect	Ready to Install the Application Select the language for eToken PKI Client.
Select eToken PKI Client in English	terface language:
	Click Next to begin installation.
	<back next=""> Cancel</back>

Click 'Next'



😸 eToken PKI Client 5	5.1 SP1 Setup		[x
eTe		End-User License A Please read the fo	greement	nse agreeme	ent c
ALADD	DIN KNOWLE	DGE SYSTEMS L	TD.	[
eTOKEN EN	TERPRISE EN	D USER LICENS	E AGREEI	MENT	
IMPORTANT IN CAREFULLY BE THE CONTENTS INSTALLING TH USE OF THE e limitation, libraries, accompanying tech	FORMATIO FORE OPENI THEREOF AL E SOFTWARE TOKEN ENTE , utilities, diske mical document	N - PLEASE REAL NG THE PACKA ND/OR BEFORE I PROGRAM. ALL RPRISE PRODUC ttes, CD-ROM, ef tation) (hereinafter	O THIS AGE GE AND/O OOWNLOA ORDERS I CTS (includi Foken [™] key "Product") S	REEMENT OR USING DING OR FOR AND ng without 's and the UPPLIED	Ŧ
	⊚lacce ⊙ldono	pt the license agreer It accept the license	ment agreement		
		< Back	Next >	Cancel	

Read and tick 'I accept the license agreement' (if you want to continue) and click 'Next'

😼 eToken PKI Client 5.1 SP1 Setup		
	Destination Folder Select a folder wi c beinstalled.	here the application will
Setup will install the eToker folder. To install in a different folde You can choose not to insta Cancel to exit the Setup.	n PKI Client 5.1 SP1 rr, click Browse and all eToken PKI Clien	files in the following navigate to the require t 5.1 SP1 by clicking
Destination Folder C:\Program Files\Aladdir	n\eToken\	Browse
	< Back	Next > Cancel

Accept proposed destination folder or browse and click 'Next'



😸 eToken Pl	KI Client 5.1 SP1 Setup			
		Updating Syste The selected	m features are be	ing installed.
	Starting services Service: ETOKSRV			
	Time remaining: 10 seco	nds		
				Cancel

Wait...



Click 'Finish'





Click 'Yes'.

12. The system will restart and the install wizard re-appears with the last pre-installation item.

Click 'Install'



Click 'Next'

C-MAP Professional SDK Runtime 6.0.7 Setup —		×
Destination Folder Click Next to install to the default folder or click Change to choose another.	(
Install C-MAP Professional SDK Runtime 6.0.7 to:		
C:\Program Files (x86)\C-MAP Professional SDK Runtime\		
Change		
Back Next	Cano	el

Accept proposed installation folder or browse. Click 'Next'

C-MAP Professional SDK Runtime 6.0.7 Setup	– 🗆 X
Custom Setup Select the way you want features to be installed.	
Click the icons in the tree below to change the way	r features will be installed.
Main files Chart Database Samples Chart Database Samples Chart Database Samples Chart Database Samples Chart Database Samples DemoBase TestBase Features Program Menu Shortouts	Main set This feature requires 117MB on your hard drive.
Elevated registry permissions	Browse Back Next Cancel

Unclick Features and accept default Chart Database Samples. Click 'Next'.

C-MAP Professional SDK Runtime 6.0.7 Setup	-		×
Ready to install C-MAP Professional SDK Runtime 6.0.7		0	
Click Install to begin the installation. Click Back to review or change an installation settings. Click Cancel to exit the wizard.	y of you	ır	
Back		Cano	el

Click 'Install'.



2	C-MAP Pro	ofessional SDI	(Runtime 6.0	.7 Setup		_		X
	Installing	C-MAP Pro	fessional SI	DK Runtime	6.0.7		0	
	Please wait	while the Setu	p Wizard instal	ls C-MAP Profes	sional SDK Ri	untime 6.(0.7.	
	Status:	Registering	modules File: [1	1], Folder: [2]				
						_		
				Back	Nex	t	Cano	el





A dialogue appears for calibrating the screen display:

Insert the size of your screen (diagonal in inches) and press the button 'Measure the Screen...'

Measure the Screen				
Measure dimensions of the white rectangle.				
Enter obta	ined values:			
Units:	Millimeters 💌			
Width:	100	mm		
Height:	10þ	mm		
OK				

This 'Measure the Screen' dialogue serves to optimise the view of the extracted data on the screen (i.e. to utilise full screen dimension). Measure the width and height of rectangle and click 'OK'



Click 'OK' to continue with the next step in the installation.



Click 'Yes' to confirm that the eToken is inserted.



Click 'Finish'



DHI MIKE C-MAP 2025 - In:	stallShield Wizard	×
Powering WATER DECISIONS		
	Welcome to the InstallShield Wizard for DH MIKE C-MAP 2025	II
	The InstallShield(R) Wizard will install DHI MIKE C-MAP 20 your computer. To continue, click Next.	25 on
Powered by DHI	WARNING: This program is protected by copyright law an international treaties.	ıd
	< Back Next > Cance	el

13. Now the MIKE C-MAP InstallShield Wizard appears:

Click 'Next'

L	EGAL NOTICE
1.1	You are about to install and/or use Software and/or Platform developed by DHI A/S ("DHI") and its licensors. Please read this legal notice carefully as it includes important information about how you may and may not use the Software and/or Platform.
1.2	You are only allowed to install and/or use the Software and/or Platform if you or a legal entity on your behalf have obtained a valid license for you to do so. If you or a legal entity on your behalf have not obtained a valid license to install and/or use the Software and/or Platform, you are not allowed to do so and doing so will be illegal.
I ac	cept the terms in the license agreement Print

Read the License Agreement and tick 'I accept the terms in the license agreement' to continue and click 'Next'



DHI MIKE C-MAP 2025 - InstallShield Wizard	×
Custom Setup	MAILE
Select the program features you want installed.	Powered by DHI
Click on an icon in the list below to change how a feature is in	stalled.
MIKE C-MAP files	Feature Description MIKE C-MAP files
	This feature requires 26MB on your hard drive.
Install to:	
C: \Program Files (x86) \DHI \MIKE C-MAP \2025 \ InstallShield	Change
Help Space < Back	Next > Cancel

Accept the proposed installation folder or browse for another. Click 'Next'

INSERT YOUR DHI DONGLE if not already done.

DHI MIKE C-MAP 2025 - InstallShield Wizard	×
License selection Select license type	Powered by DHI
O Unchanged. Keep current form of license management. Select this option if you have an internet license.	
 Demo. Set the DHI license system in demo -mode. Local. To use local mode DHI License Manager must be installed on to system and your DHI dongle must be plugged in. 	he
Network. Licenses are requested from a central server	
InstallShield 	Cancel

Select 'Local' as type of license management and click 'Next'



DHI MIKE C-MAP 2025 - InstallShield Wizard X
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back Install Cancel

Click 'Install'

💿 dhi mik	E C-MAP 2025 - InstallShield Wizard - 🛛 🗙		
Installing	DHI MIKE C-MAP 2025		
The prog	ram features you selected are being installed.		
Please wait while the InstallShield Wizard installs DHI MIKE C-MAP 2025. This may take several minutes.			
	Status:		
InstallShield –	< Back Next > Cancel		

Wait until the 'InstallShield Wizard Complete' appears:



DHI MIKE C-MAP 2025 - Inst	tallShield Wizard	X
Powering WATER DECISIONS		
	InstallShield Wizard Completed	
	The InstallShield Wizard has successfully installed DHI MIKE C-MAP 2025. Click Finish to exit the wizard.	
Powered by DHI		
	< Back Finish Cancel	

Click 'Finish' and wait for the C-MAP chart database administrator dialogue to appear.



14. C-MAP chart database registration:

C-MAP CM	I-93/3 Database Administrator
2	Before you can use MIKE C-MAP for extracting bathymetry and tidal information, the charts supplied by C-MAP Norway must be registered. This is done using the GDBAdmin - Database Administrator - tool, which also enables copying the chart databases to your harddisk. MIKE C-MAP will not function correctly before charts are installed - Do you want to install the charts now ?
	Yes No

Click 'Yes'



Browse to the location where you have installed the C-MAP Professional+ database (here example from testing) or click 'Copy Database to HD' if not done in advance.



🗑 СМ-9	93/3 Database Administr	ator	×
Default	Registered DB ChartletsBase (1) Professional+ (557) TestBase (1)	Available Database Professional+ Issue Number 557	
		Register Database	
	0	Copy Database to HD	
	Check Integrity	Set as default	
	Check Signature	Unregister Database	Check Signature

Register Database (the example here is the Professional+ Issue Number 557).

Do you	really want to set as default Database ? Professional+ (557)
	YES NO

Click 'Yes' and close the dialogue box.

Click 'Finish' to close the MIKE C-MAP Installation wizard.



15. Next, the C-MAP License must be activated: Open 'C-MAP LicenseADM' from the Start menu.

🕆 LicenseAdm	×
System ID	Databases
JeT DHI 00008	Professional+
Add License manually	Data Set or Area Name
Get expired licenses	Zone 0
Licenses list	⊷ Zone 10 E
Add Licenses from file	a⊷Zone 3 ⊞ Zone 4
License order	License string Add License
Close	

Click 'Add Licenses from file'

🔒 LicenseAdm	×
JeT DHI 00008 Professional+	•
Image: Second	•
OK Cancel Close	

Browse to location of your C-MAP license file.



🕆 LicenseAdm		23
	Do you really want add licenses from file C:\Users\mikeadmin\Desktop\password.usr	
	YES NO Cancel	
Close		

Click 'Yes'

🕆 LicenseAdm	23
Licensing Completed	
Close	
Close	

and click 'Close'

- 16. Before 'Start using MIKE C-MAP', please ensure that the DHI license is running (using the DHI License Administration). If not, please install the DHI License Manager (if not already done) and specify the local DHI license file.
- 17. When using MIKE C-MAP for the first time you have to calibrate the screen resolution for extracted data display, i.e. if not already done in Step 12.

If you do not measure the rectangle or do it incorrectly, the extracted data (e.g. blue points) are displayed only in part of the window as shown in the example below.





18. To open and use MIKE C-MAP, select 'MIKE C-MAP' from the Start menu.



When you are in the chart view mode, you can right click the mouse on the map to show information about the displayed chart. An example is shown below.



Solution Contractor			- 0 x
	Attributes		
Data Set Z17RZ011 Professional+	Data Set filename	Z17RZ01J.C00	*
Depth area	Chart Title	World Background - Z	
	DataSet type	Non-ENC	
🗄 🕐 Data Set Z17RZ01J Professional+	Source identification code	Z2700960	
Quality of data	Source producing agency	C-MAP	
Coverage	Producing agency	C-MAP	
/ Depth contour	Scale	6000000	
	Last update applied date	01.FEB.2008	
	Corrected upto	01.FEB.2008	E
	Issue date	01.FEB.2008	
	Edition number	4	
	Total number of updates	0	
	Update number (embedded into ENC)	0	
	Archive Code	91-0Z01J	
	Horizontal Datum	WGS 84	
	Horizontal Datum Source	WGS 84	
	Lon Horizontal Datum Shift	0.00000'	
	Lat Horizontal Datum Shift	0.00000'	
	Vertical Datum	Mean sea level	
	Sounding Datum	Mean sea level	T

19. Pan to the area of interest.







20. Select 'Export' in the top menu in the Chart View.

Select 'Export Land', 'Export Water' or 'Export MSL', respectively, to save the exported data to xyz-files.

21. A red dot in the display is a tidal station. When you click on the dot the predicted tidal elevation appears as shown in the example below.



For more information about how to use MIKE C-MAP please refer to the User Guide.



2.1 Troubleshooting

2.1.1 Maps not recognized

Sometimes the update of an existing C-Map installation can cause the maps not to be recognized. This will result in MIKE C-Map opening with a default World map with only land contours available.



To fix this re-install C-MAP by using **CMAP User Setup** from the **C-MAP Professional SDK Runtime** entry in the Start menu.

The following dialogs will appear:



Select 'eToken'



C-MAP	9 User Setup
?	Setup has detected the existent C-MAP User with same ID. If you have obtained a new eToken, you need to reinitialize your C-MAP User and obtain new licenses from C-MAP. If this is the case please choose [Reinitialize]. If you want to keep your current state you should choose [Cancel]. Do you want to reinitialize?
	Reinitialize Cancel

Select 'Reinitialize'

💷 C-MAF	9 User Setup	
À	Are you sure? You will lose all licenses obtained from C-MAP!	
	I'm sure Cancel	

Select 'I'm sure' (note that nothing is deleted)

💷 C-MAP	User Setup	—
Í	User Setup has successfully	/ completed
		ОК

Press OK.

You now have to reload the license file for the C-MAP database. You can do this in two ways:

- 1. Either via the C-MAP Chart Manager available from C-MAP Professional SDK Runtime
- 2. or via C-MAP LicenseAdm from the MIKE C-MAP 2xxx entry in the Start menu.



2.1.2 C-MAP dongle not activated

When you insert your C-MAP dongle into your PC you should NOT install any drivers when proposed by Windows. However, for some operating systems it may be that you will not be asked and Windows will try to install a driver anyway. This can in turn cause the C-MAP dongle to be de-activated (and hence the C-MAP license cannot be installed) If the C-MAP dongle cannot be activated it could be due to a restriction in the operating system: 64 bit versions of Windows 10 (and Windows 8) include a "driver specific enforcement" feature which, if enabled, cause the system to only load drivers that have been signed by Microsoft.

To allow the update of the dongle driver for C-MAP this windows feature need to be disabled during the installation.