

# SonaSoft<sup>™</sup> Installation Guide

## **Overview**

This installation guide contains a detailed, step-by-step description of the installation process. The guide is meant to walk you through the entire process, while the points highlighted in the *Introduction* below could serve as a refresher for technicians who have either worked with the system in the past, or in general have some experience with the system.

#### Introduction

The SonaSoft<sup>™</sup> installation uses a standard windows installer, and most of the prompts are straightforward and will be familiar if you have installed a program on windows before. However, there are a couple key system configuration settings that are set in the install, that may different depending on your specific requirements, and / or may not be completely intuitive.

Those key configuration settings in the installation process are:

- Legacy Hardware (section <u>"Legacy Hardware Support"</u>) install the drivers to allow communication with FS-3DT legacy systems, versus support for the more recent Argos 350 or Argos 500 / Argos 1000 (recently rebranded from the FarSounder-500 / FarSounder-1000).
- Network Configuration Settings (section <u>"Network Configuration Settings</u>") configure the network adapter on the FarSounder processing computer to allow communication with the Transducer Module.
- Chart viewer configuration there is an option for S-57/S-63 ENC chart data (recommended configuration) or an option for C-MAP Professional+ format chart databases. If no decision has been made about installing ENC data on the FarSounder workstation at the time of installation, it is recommended to select the "Use S-57/S63 Charts" option.

Installation notes:

- If prompted to restart at any time during the installation process, decline and complete the installation and restart the computer once installation is complete.
- Check the type of graphics card that is installed in the computer, if it is from the *NVIDIA Quadro* line of graphics cards, see the section below.

# Using SonaSoft<sup>™</sup> NVIDIA Quadro Graphics Cards

Computers supplied by FarSounder currently include *NVIDIA GeForce* graphics cards. However, if you are using a customer supplied computer, it is possible that it has an *NVIDIA Quadro* graphics card instead. If this is the case, we have found that the following setting (described below) will need to be adjusted from the default value after driver installation for SonaSoft<sup>TM</sup> to function properly.

In the NVIDIA control panel, navigate to *Manage 3D Settings* and select *3D App - Visual Simulation* from the dropdown menu and then click apply.



# **Detailed Step-by-Step Guide**

Download the SonaSoft<sup>™</sup> installer to the desktop of the FarSounder processing computer and double click to run the installer.



Click *Next* to continue the installer after reviewing and accepting the License Agreement.

The next step is to select the install directory and name of the install folder for SonaSoft<sup>™</sup>. **FarSounder recommends that the defaults are chosen**, you will see the following screens at this stage:

🚯 Setup - SonaSoft™ 3.14.0.fa41d0 — 🗆 🗙	1 Setup - SonaSoft™ 3.14.0.fa41d0 — □ ×
Select Destination Location Where should SonaSoft™ be installed?	Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will install SonaSoft™ into the following folder. To continue, click Next. If you would like to select a different folder, click Browse.	Setup will create the program's shortcuts in the following Start Menu folder.
C:\Program Files\FarSounder\SonaSoft Browse	SonaSoft™ Browse
At least 1,325.0 MB of free disk space is required.	
< Back Next > Cancel	<back next=""> Cancel</back>



On clicking next, you will be presented with the option to install shortcuts to the desktop and start menu, as well as view the *What's New PDF* post install. Choose your preferences and continue, note that at least installing the SonaSoft shortcut to the desktop is recommended for ease of use.

			1	253
Select Additional Tasks				0
Which additional tasks should be performed?			1	
Select the additional tasks you would like Setup to pe then click Next.	erform while insta	lling Sor	naSoft™,	,
Create program shortcuts				
Create shortcut on your desktop				
☑ Add SonaSoft™ to your Startup folder (recomme	ended)			
View Important Changes				
✓ View What's New in SonaSoft™ (recommended)				
	nel Next		Can	cel

Continuing on, you will be prompted about whether to install support for legacy hardware.



### Legacy Hardware Support

The default is not to install legacy support, and this option should be used for any Argos 350, Argos 500 or Argos 1000 product (The Argos 500 and Argos 1000 are the recently rebranded versions of the FarSounder 500 and FarSounder 1000). Only if the hardware present on your system is a **FarSounder-DT** model sonar, should this box be checked.

Setup - SonaSoft™ 3.14.0.fa41d0			×
Legacy Hardware Support			~
Install support for FarSounder-3dt Transducer Module?			
In most cases, this box should not be checked. However if yo software for a FarSounder-3dt then please check this box.	u are installing	this	
Add Legacy Support			
< Back	Next >	Can	cel



If you plan to use nautical charts in SonaSoft<sup>™</sup>'s Chart Viewer, there are two options available. The recommended option is to obtain S-57 or S-63 ENC data from a chart provider and import it using the ENCImporter utility (see manual for step by step instructions). However, support is also available for C-MAP Professional+ chart databases.

d is in			
Chart Setup			
Which charts do you want to use?			
FarSounder provides basic chart plotting charts unless you have a preexisting C-	g capabilities. We re MAP Profesional <mark>+</mark> c	commend using S hart licence.	6-57/S-63
• Use S-57/S-63 Charts			
O Use C-MAP Profesional + Charts			
	< Back	Nevt >	Cancel

If the source of chart data (or whether chart data will be imported on the FarSounder workstation) is not decided at the time of installation, selecting "Use S-57/S-63 Charts" is recommended.



## **Network Configuration Settings**

Next you will be prompted about whether to run the Network Configuration Wizard:

			Г	225
Network Configuration				-
Run the Network Config Wizard?				
To communicate with FarSounder sonars, you mus sonar. This wizard is recommended for all new inst	st be on th talls.	e same subnet	t as the	
Run Network Config Wizard				

The FarSounder processing computer communicates with the Transducer Module via an ethernet connection. In order to communicate, NIC (network interface card) on the FarSounder processing computer must be configured with an IP address of *192.168.0.XXX*. The *Network Configuration Wizard* will help you configure that NIC. If you have already configured the NIC manually, or if this is an upgrade from a previous version of SonaSoft<sup>™</sup>, you will not need this step. As the IP for the NIC connected to the hardware will already have been configured.

To configure the network settings using the wizard, select the NIC from the drop down menu that is connected to the Transducer Module - this NIC will be configured so that it has an IP address in the 192.168.0.XXX range to allow SonaSoft<sup>™</sup> to communicate with the Transducer Module.



# S-57 / S-63 Format Charts (Default)

If support for S-57 / S-63 format chart data was selected, the chart engine will be installed in the background and there is nothing more required to configure during installation. Follow the prompts to continue with installation of the chart engine and SonaSoft<sup>™</sup>.





Finally, click *Finish* to complete the installation of SonaSoft™.

💕 Setup - SonaSoft™ 3.14.0.fa	41d0 — 🗆 🗙
<b>FAR</b> SOUNDER	Completing the SonaSoft™ Setup Wizard Setup has finished installing SonaSoft™ on your computer. The application may be launched by selecting the installed shortcuts. Click Finish to exit Setup.
A Whole New Vision Underwater	
	Finish

After installation, the *ENCImporter* utility (shortcut located on the desktop), can be used to import S-57 / S-63 format charts into SonaSoft<sup>™</sup>. See the User's Manual, also located on the desktop post installation, for more detailed information about chart importing.



## C-Map Runtime Install (Non-Default)

If C-MAP Professional+ is the chosen chart database, on clicking next, you will be prompted to insert the C-Map USB e-Token into the FarSounder processing computer:



After pressing OK, follow the prompts to complete the installation of the C-Map runtime.

Next you will be prompted to run "C-Map User Setup", note **that this process will need to be completed twice** because we are installing two runtime environments (32 bit and 64 bit) in order to access all of the C-Map functionality.

1. At this first prompt, click eToken:



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2. If, after that, you are prompted with the following:



Please click "Re-initialize" and confirm:

C-1	NAP User Setup	~
	Are you sure?	
	You will lose all licenses obtaine	d from C-MAP!

3. Finally, you should see:



Note, as mentioned above, you will need to complete this process twice to configure both C-Map environments.

Continuing on, the next step will open the Chart Manager and allow you to add Chart Licences and C-Map Chart databases so that nautical charts can be displayed in SonaSoft<sup>™</sup>. The SonaSoft<sup>™</sup> User manual details this process, and licenses or databases can be added at any time after completing the installation.

Setup - CMap			
Chart Manager Cor	figuration		
Preparing to launch	n the C-MAP Chart Manager		Ċ
The C-MAP Chart Please refer to C-	Manager is used to install cha MAP Chart Manager documer	rt databases and apply license Itation to guide you in this proc	keys. ess.
		Next >	

After closing the Chart Manager (whether you have added licenses for chart data or not), click through the final confirms to complete the installation of SonaSoft™.