

SonaSoft™ 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™ 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 differ depending on your specific requirements, and / or may not be completely intuitive.

Those key configuration settings in the installation process are:

- Legacy Hardware (section [“Legacy Hardware Support”](#)) - 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 [“Network Configuration Settings”](#)) - 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.

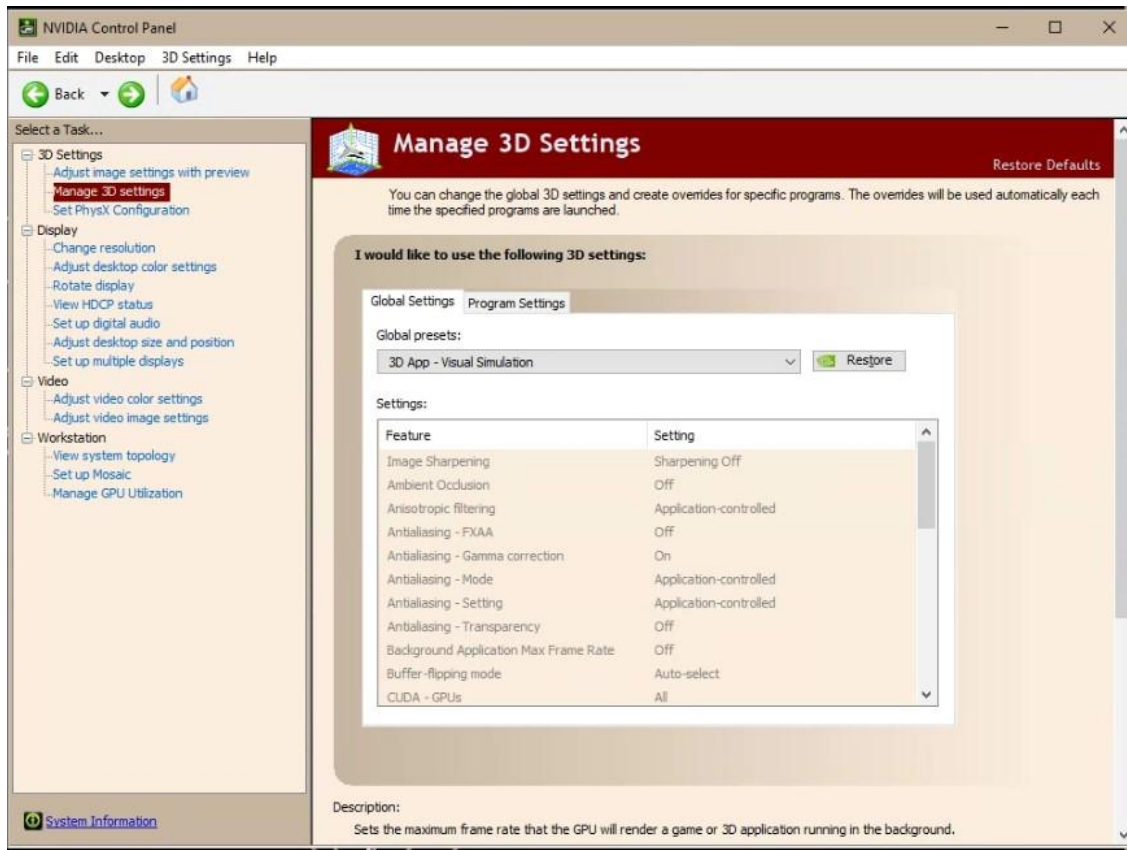
Installation notes:

- 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™ 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™ 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.

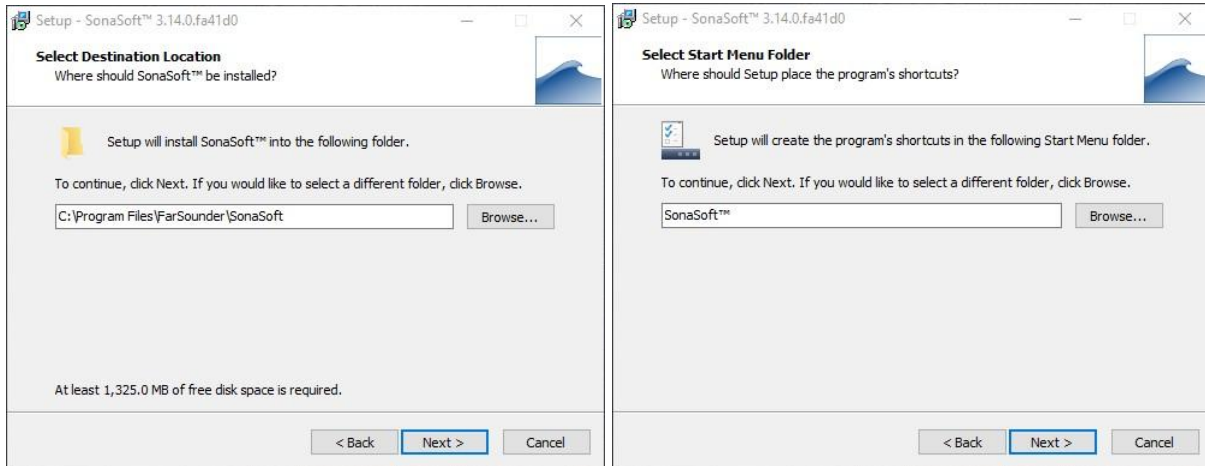


Detailed Step-by-Step Guide

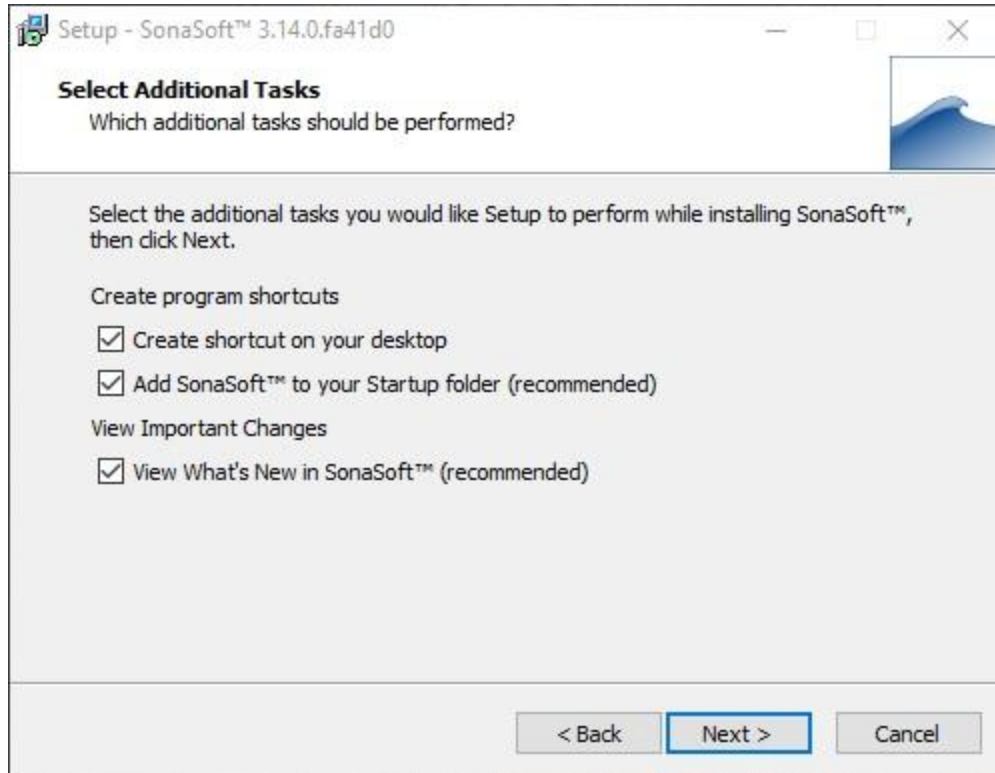
Download the SonaSoft™ installer to the desktop of the FarSounder processing computer and double click to run the installer.

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™. **FarSounder recommends that the defaults are chosen**, you will see the following screens at this stage:



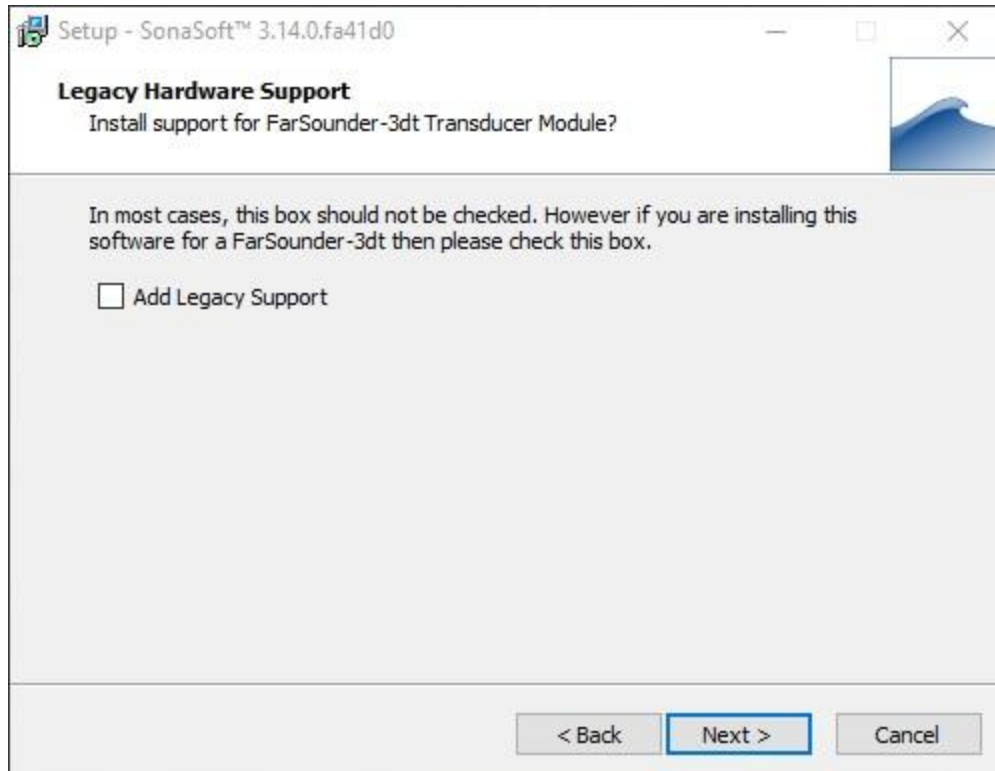
On clicking next, you will be presented with the option to install shortcuts to the desktop and start menu, as well as view the *What's New PDF* post install. Choose your preferences and continue, note that at least installing the SonaSoft shortcut to the desktop is recommended for ease of use.



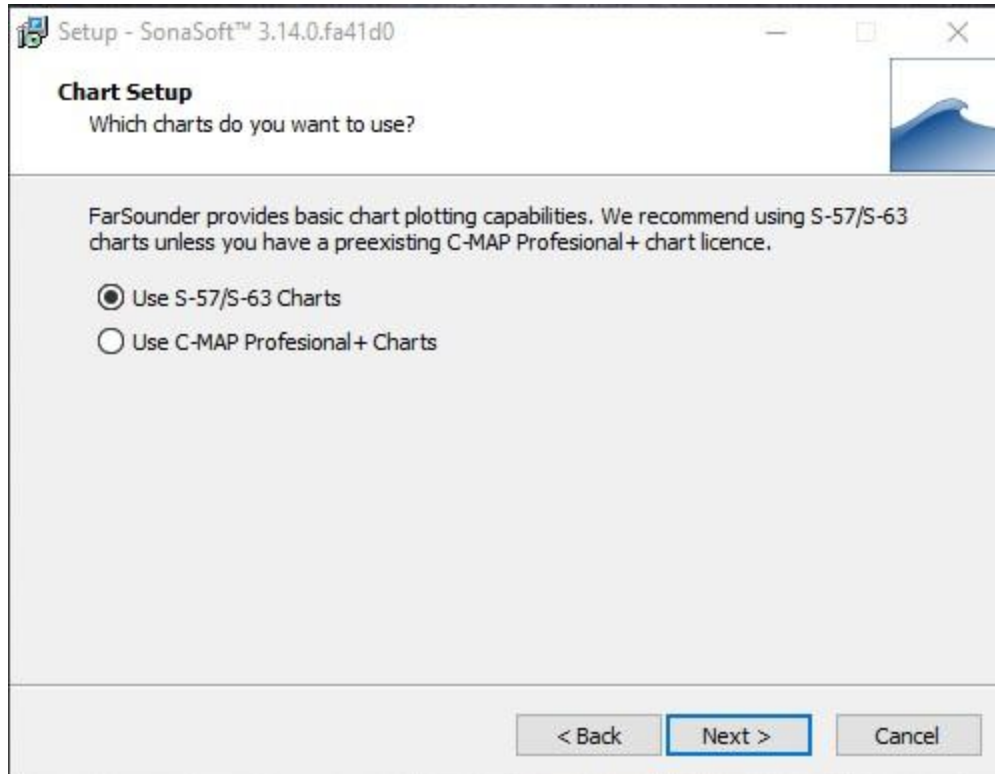
Continuing on, you will be prompted about whether to install support for legacy hardware.

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.



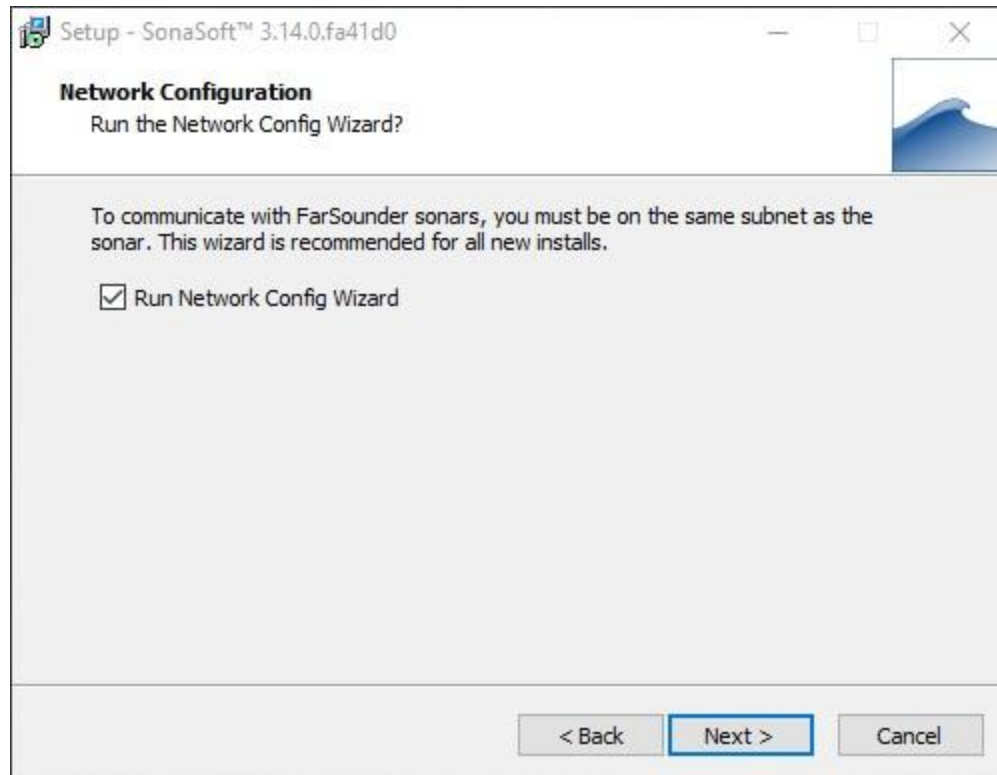
If you plan to use nautical charts in SonaSoft™'s Chart Viewer, there are two options available. The recommended option is to obtain S-57 or S-63 ENC data from a chart provider and import it using the ENCImporter utility (see manual for step by step instructions). However, support is also available for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



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:

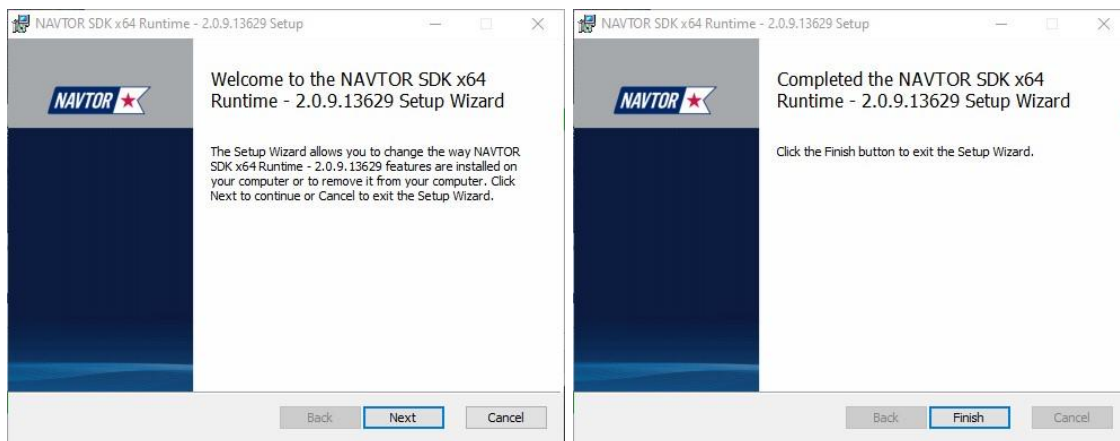
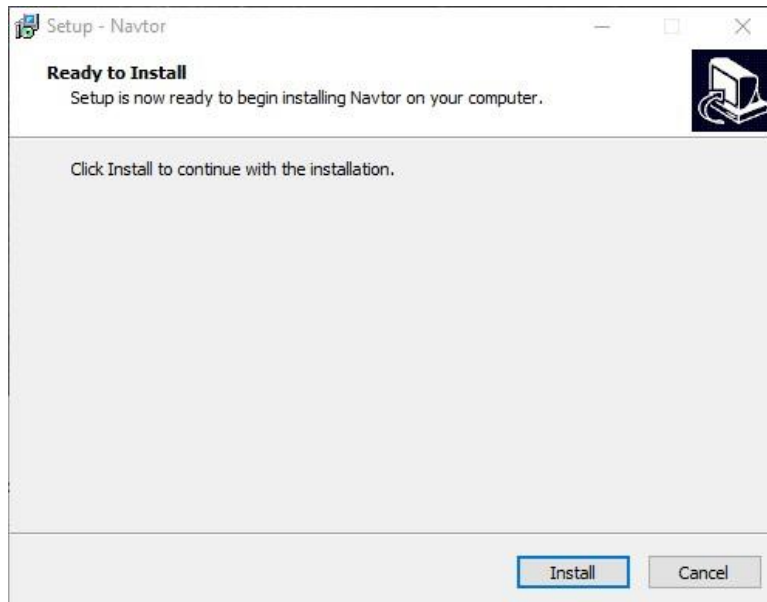


The FarSounder processing computer communicates with the Transducer Module via an ethernet connection. In order to communicate, NIC (network interface card) on the FarSounder processing computer must be configured with an IP address of *192.168.0.XXX*. The *Network Configuration Wizard* will help you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

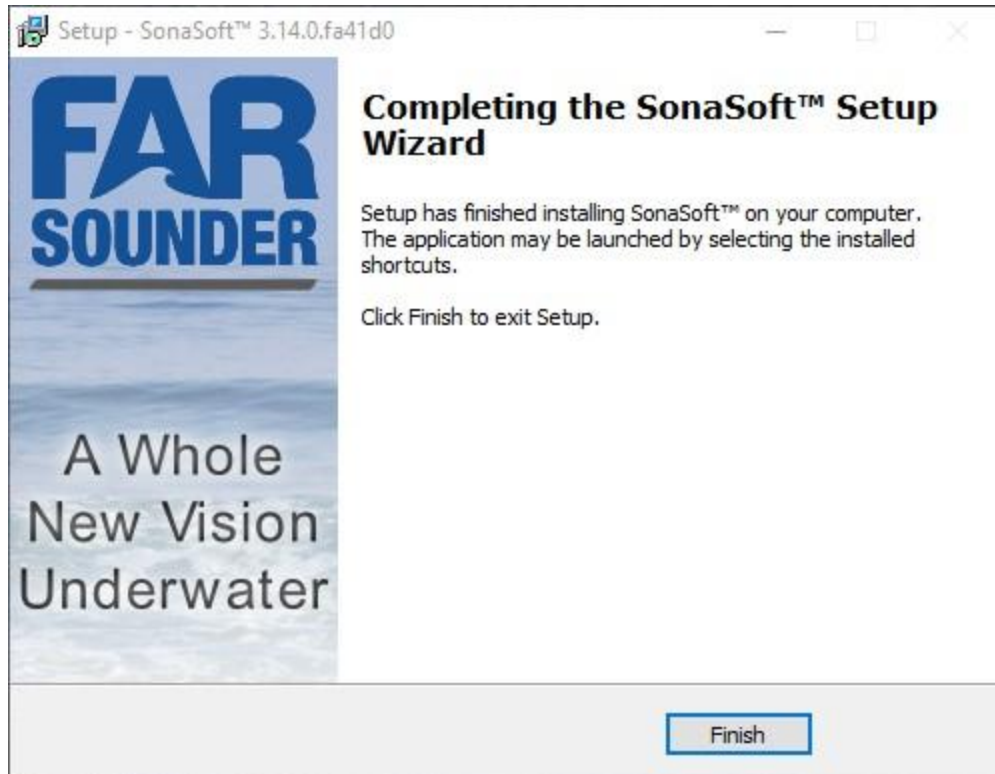
To configure the network settings using the wizard, select the NIC from the drop down menu that is connected to the Transducer Module - this NIC will be configured so that it has an IP address in the 192.168.0.XXX range to allow SonaSoft™ to communicate with the Transducer Module.

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™.



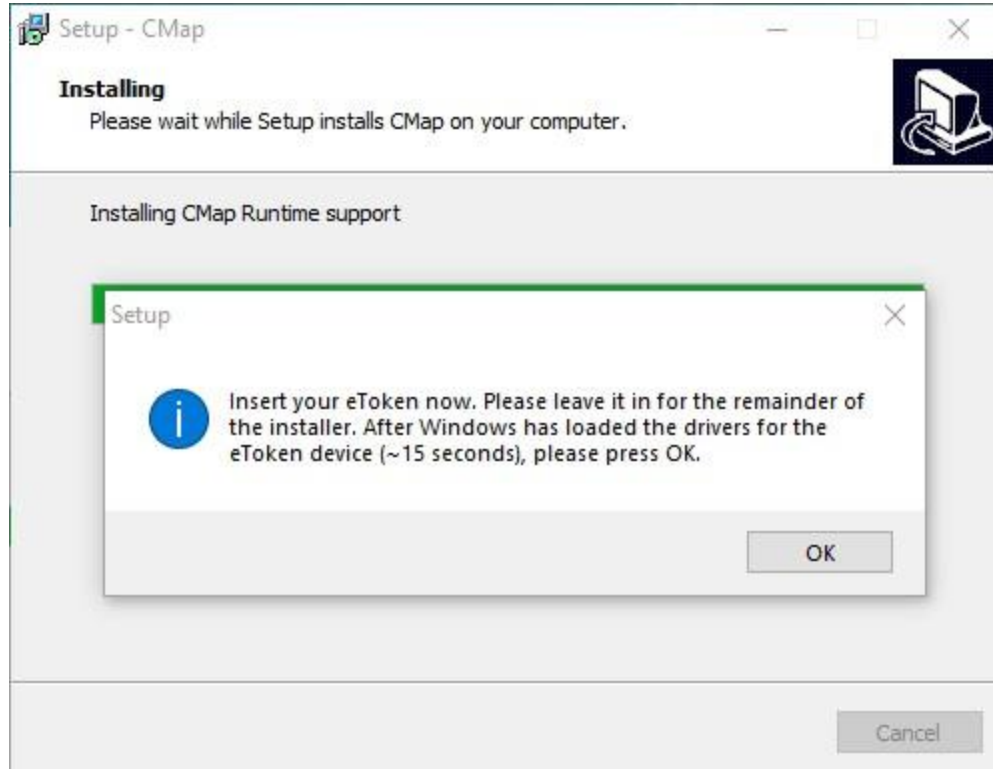
Finally, click *Finish* to complete the installation of SonaSoft™.



After installation, the *ENCImporter* utility (shortcut located on the desktop), can be used to import S-57 / S-63 format charts into SonaSoft™. 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)

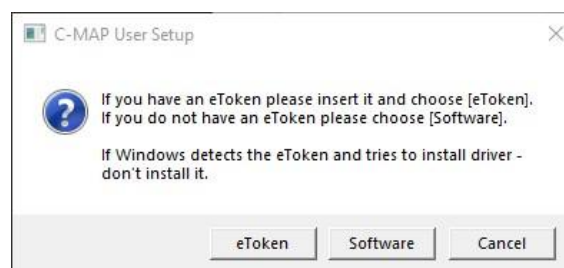
If C-MAP Professional+ is the chosen chart database, on clicking next, you will be prompted to insert the C-Map USB e-Token into the FarSounder processing computer:



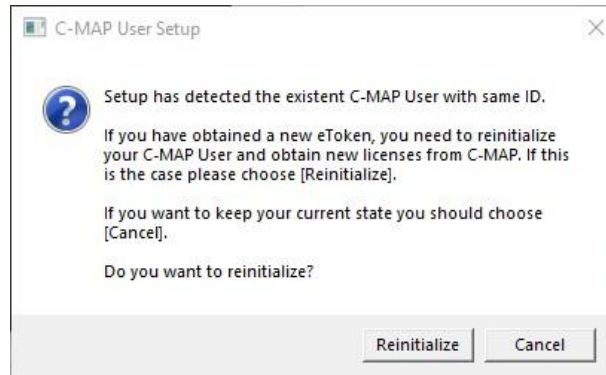
After pressing OK, follow the prompts to complete the installation of the C-Map runtime.

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.

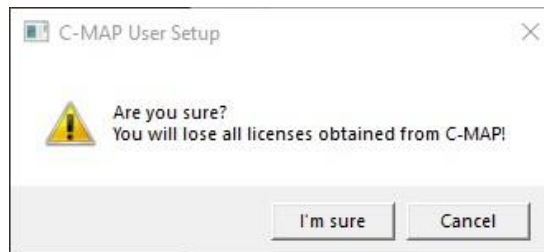
1. At this first prompt, click *eToken*:



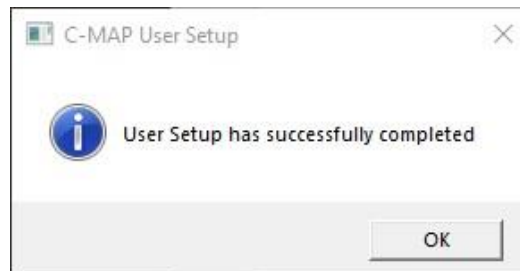
2. If, after that, you are prompted with the following:



Please click "Re-initialize" and confirm:

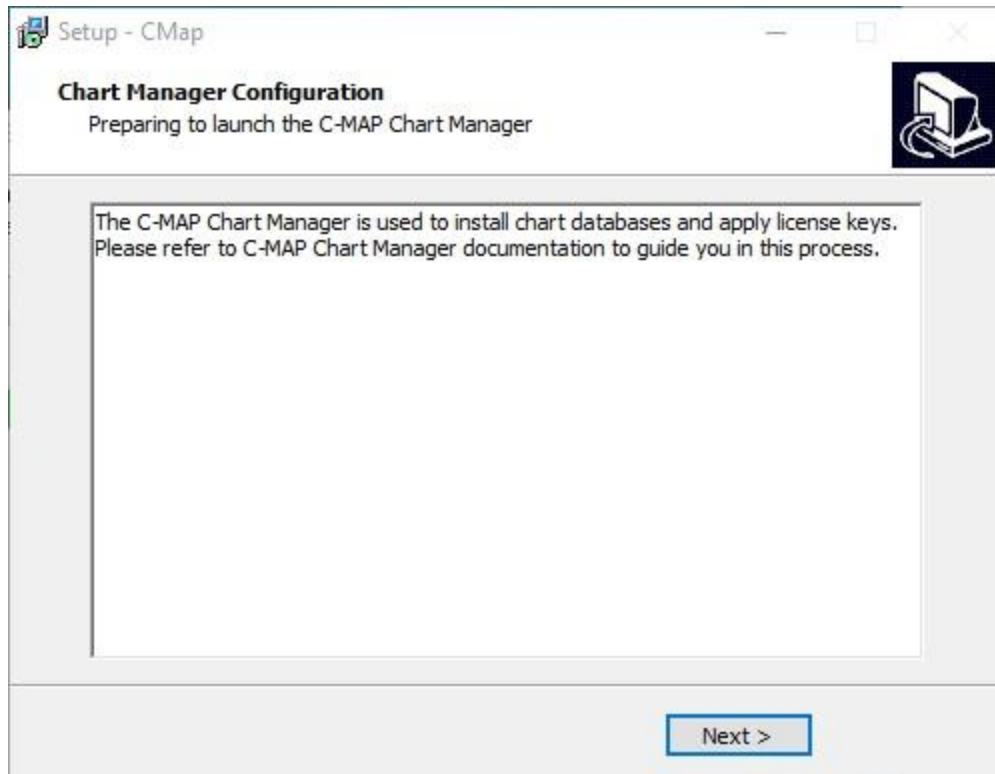


3. Finally, you should see:



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™. The SonaSoft™ User manual details this process, and licenses or databases can be added at any time after completing the installation.



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™.