



## SeaSonde Combine Suite Release 22 Installation Guide

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Jan 20, 2023



This document will guide you through the Combine Suite R22 installation. These instructions require a Macintosh installed with macOS 11 or 12, with the OS configured for SeaSonde. Refer to the **SeaSonde\_On\_MacOS12.pdf** for further instructions on configuring your Macintosh computer for SeaSonde.

**Note:** This document illustrates installing on macOS 12. Most of the steps will apply for previous versions of macOS, but some of the System Preference panes may look slightly different. The latest versions of macOS are capable of a light and dark mode, which means dark text on light background or light text on dark background; examples here are with the light mode.

Release 22 **requires** a Codar licensing certificate file matched to the computer running the SeaSonde.

Before you start, confirm that the computer meets the minimum requirements for proper SeaSonde operation. You can find the system specs by selecting “About This Mac” under the  menu:

### **Recommended Configuration**

MacStudio, MacPro or MacMini  
32 GB RAM  
1 TB hard disk or higher  
macOS **12.4**

### **Minimal Configuration**

MacMini intel or M1  
16 GB RAM  
1 TB hard disk  
macOS **10.14**

## **Connectivity requirements**

The computer must be connected with Internet access for Combine Web Server to work, for automatic data transfer from the remote Radial Sites, and for full technical support from CODAR engineers.

# SeaSonde Combine Suite Release 22 Installer

**Note: The installer will only install onto the startup volume.**

*If you are upgrading a previous SeaSonde installation, the installer will quit all known SeaSonde applications.*

Release 22 installer will modify and rename some of the configuration files. You should always **backup** your **important data** and **configuration** files before running any installer. CODAR cannot be held responsible for any lost data.

To Install **SeaSonde Combine Suite** from the installer disk image, follow the steps below:

Double-click the disk image SeaSonde10R22-CombineSuite.dmg. A window will appear showing its contents.

If you run the installer and get a message saying 'cannot check it for malicious software', it's because the downloaded dmg file was flagged as quarantined and needs to be cleared. First Eject the drive for the open dmg. Then open a new window in Terminal app and copy/paste the following command, depending on where you've put the dmg file. If on the desktop

```
xattr -rd com.apple.quarantine ~/desktop/SeaSonde-Combine-Suite-R22.dmg
```

or if still in the download folder

```
xattr -rd com.apple.quarantine ~/downloads/SeaSonde-Combine-Suite-R22.dmg
```

Then open the dmg file and you will be able to run the R22 installer.



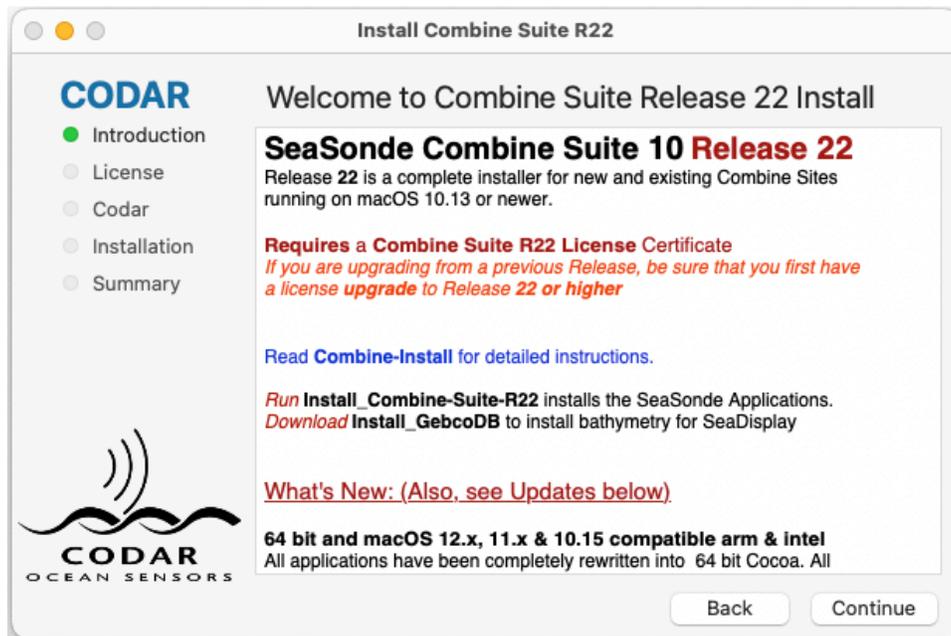
## Installation Files

**CS10R22\_Release22-Notes.rtf** - release notes.

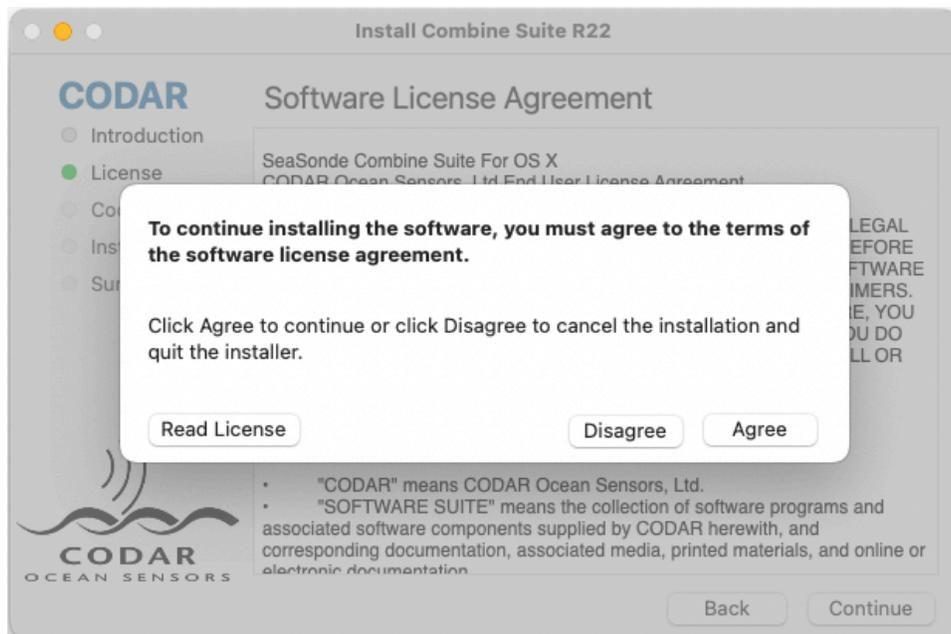
**1\_Combine\_Install\_R22.pdf** - this document on how to install the software.

**Install\_CombineSuite-R22.app** - installs all software applications.

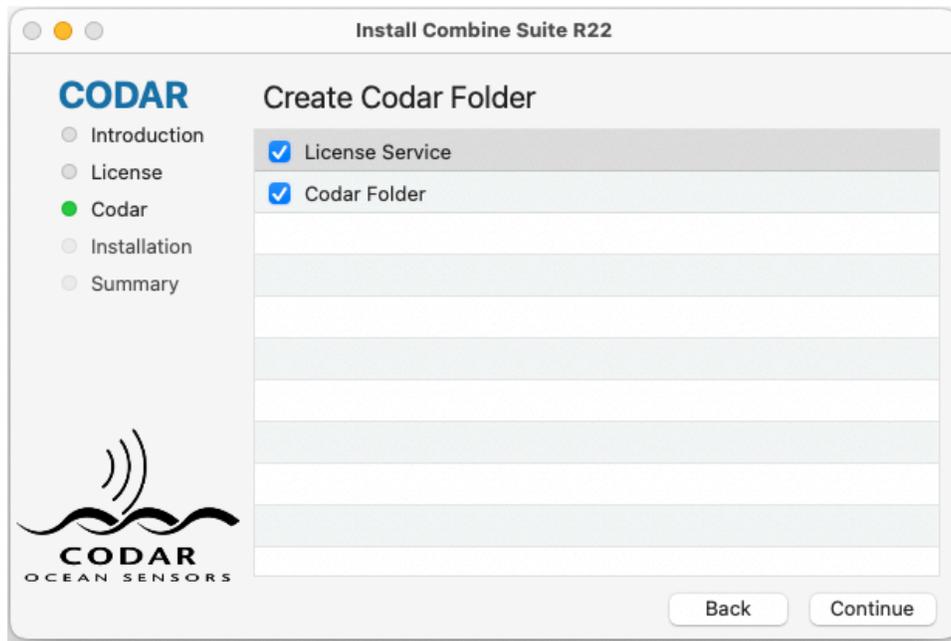
The bathymetry installer, **Install\_GebcoDB**, is a separate 1.2 GB download from CODAR Support that installs the GEBCO bathymetry database for SeaDisplay 9.



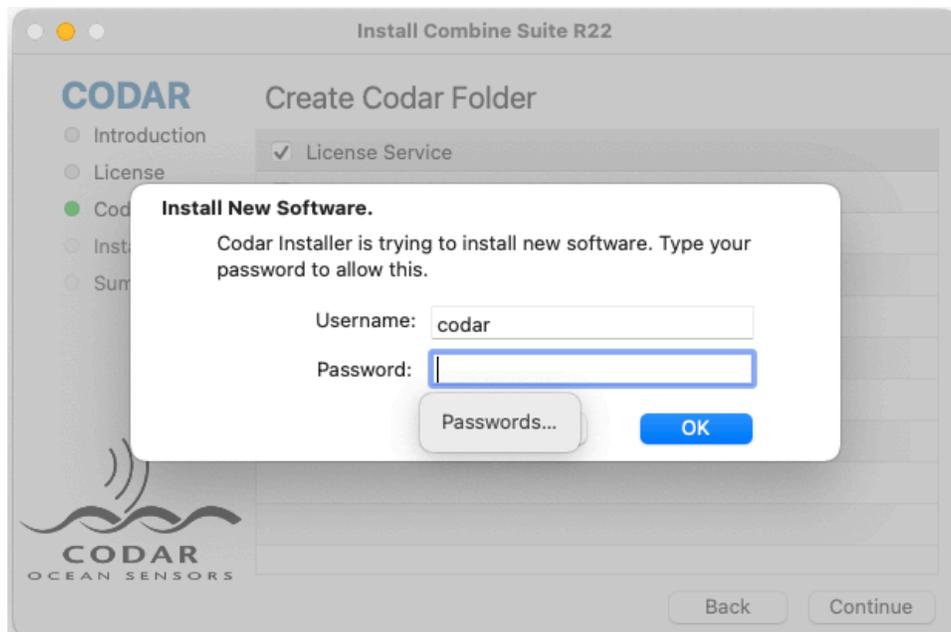
Read and accept the following licensing agreement.

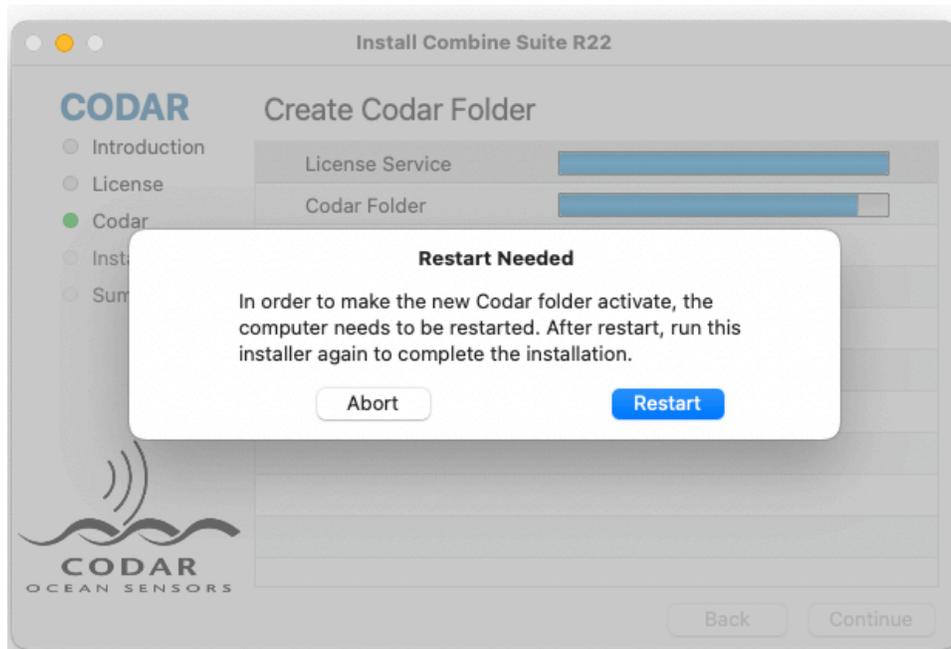


The installer will first install the licensing server and create the folder structure for the Suite.

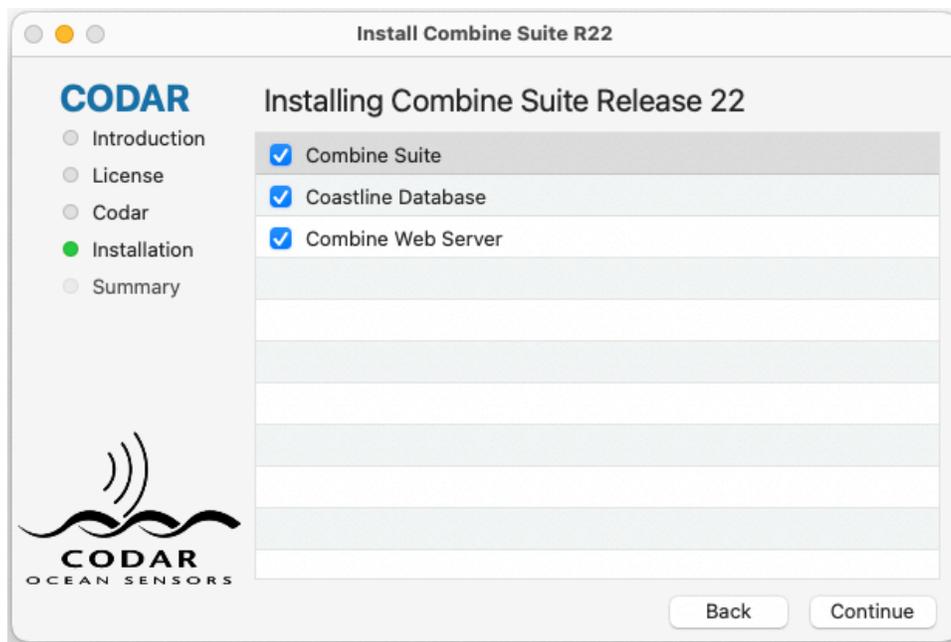


Because Codar is keeping the folder structure compatible with previous macOS versions, we are still creating a Codar folder on the root of the volume. For macOS 10.15 and newer, a special /Codar alias is created onto the root of the boot volume. The installer will then restart the computer to activate /Codar. You then need to rerun the installer and when it reaches this point, it will continue on with the rest of the installation.





After the licensing server and Codar folder has been created the main installation steps are next. Click Continue button to proceed with the installation.

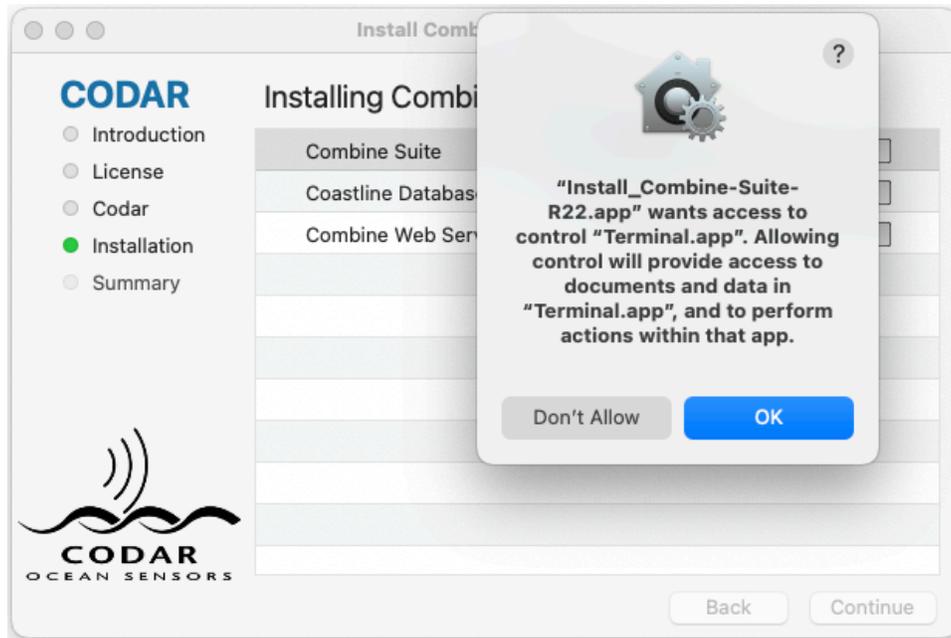


**Combine Suite** - installs all the Combine Suite applications, configurations, and sub- installers.

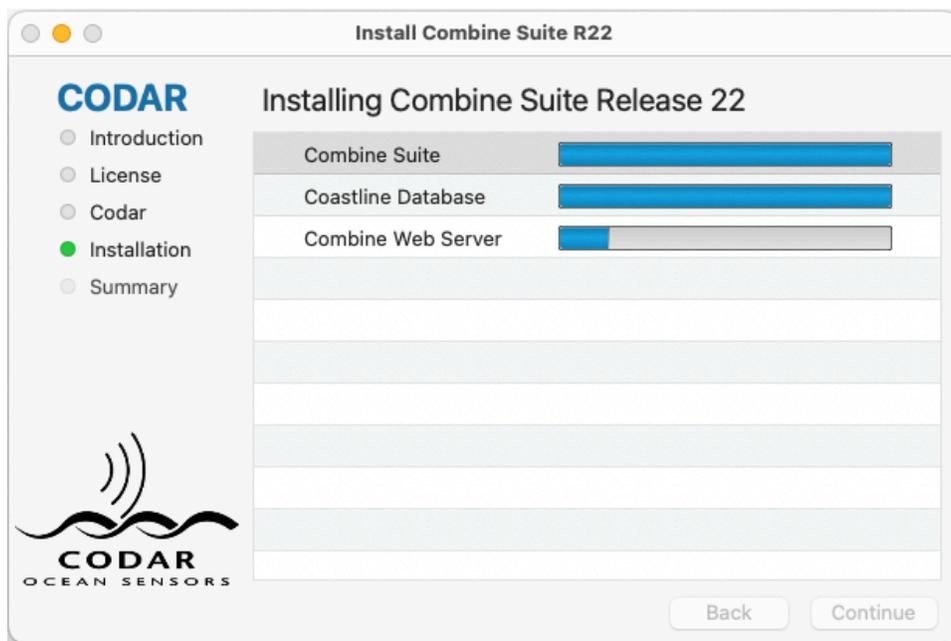
**Coastline Database** - installs world coastline database files needed by SeaDisplay in order to create/edit site maps.

**Combine Web Server** - installs CombineWebServer to handle the Combine Web interface.

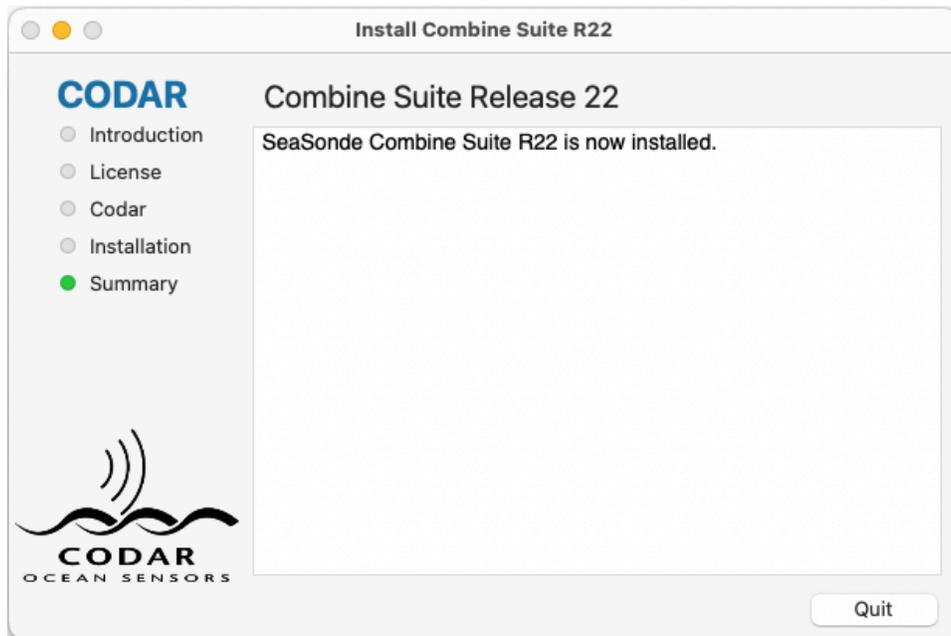
After you click Continue, you might see the following dialog to quit Terminal. Click OK to continue.



*During install the dock will disappear and desktop will turn black for about 30 seconds while the SeaSonde icons are installed into the dock.*

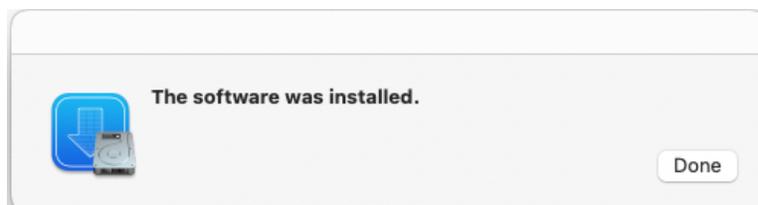
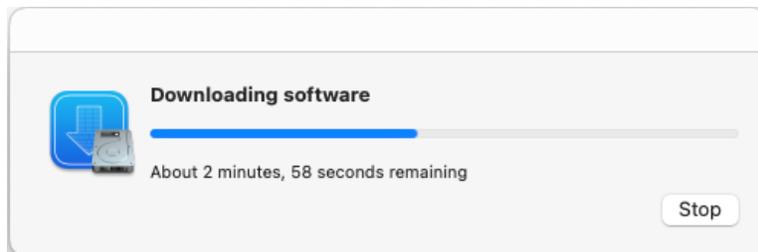
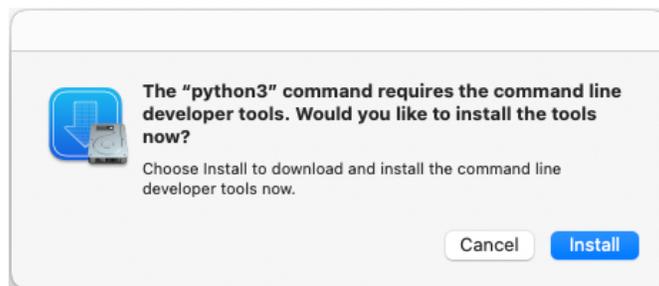


Once this step completes, the installer is finished. If macOS 12.4 or possibly newer, see installing python3 below.



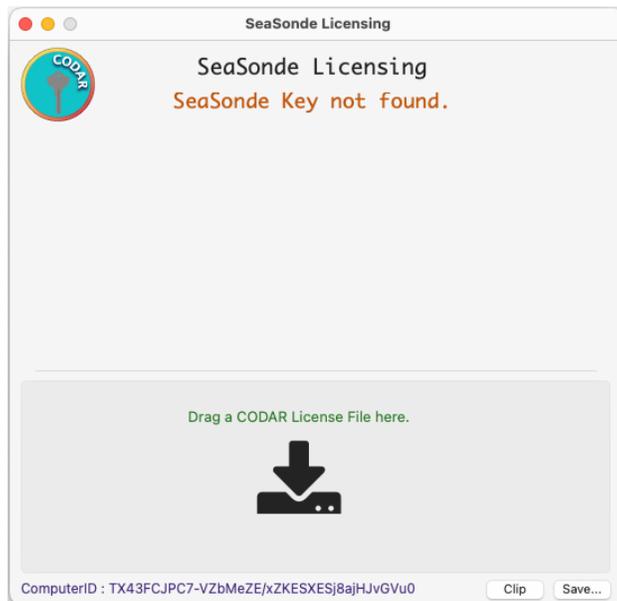
Click the Quit button to exit the installer. If installing macOS 12.3 or older, installation is now finished.

On macOS 12.4 or possibly newer, a few minutes after the CombineWebServer has been installed for the first time, you will see the following popup in the Finder. Click install and agree to Apple's software license. It will take around 5 to 10 minutes depending on your internet connection. The CombineWebServer requires python3 to function which is no longer installed by default with macOS.

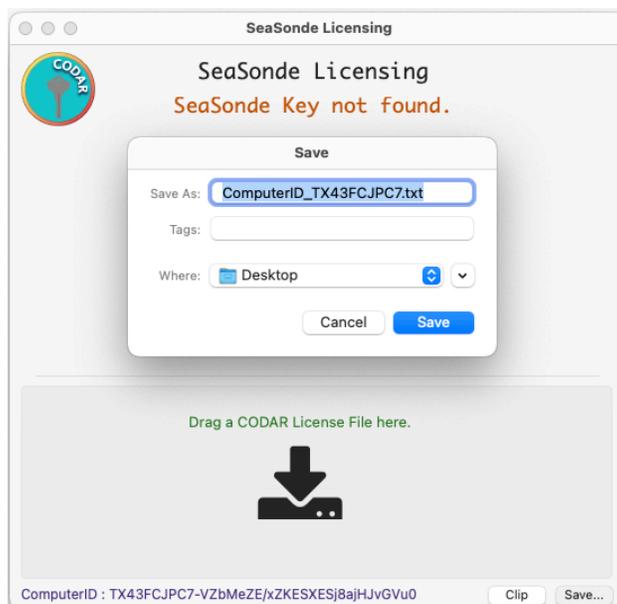


## Software License

Whether you are updating from R7/R8 with usb key license or R8u5 with license certificate, you will need a new license certificate for R22 and later. Locate SeaSondeKey in the dock and open it.



Locate the ComputerID: at the bottom of the window. This unique id will tie the license to this computer and is not transferrable, so be sure to get this ID from the computer running the SeaSonde. The Clip button will copy the ID to the clip board or the Save... button will save the ID to a text file on the desktop which you will need to email to [licensing@codar.com](mailto:licensing@codar.com) along with details on software purchase order for the upgrade.



## NEW Combine Site

If new computer shipped from Codar, you should already have software and a software license installed. See SeaSondeKey for license details.

Create a new site map that covers your Radial Sites.

See **"3\_New\_Site\_Create\_Map.pdf"**

Create a grid that covers your Radial Sites.

See **"4\_New\_Site\_Create\_Grid.pdf"**

Configure file transfers either on the Combine Site to pull from the Radial Sites or on the Radial Site to push to the Combine Site.

See **"5\_Configuring\_File\_Transfers.pdf"**

Use SeaSondeCombineOptions to specify the job task to create a total using given grid and radial sources and other settings.

See **"6\_Configuring\_Combine\_Processing.pdf"**

Review output totals to ensure you're getting a good result. Check out the new Combine Web Server

See **"7\_Combine\_Web\_Server.pdf"**

### **Almost Done:**

Review document **"8\_Combine\_Suite\_R22.pdf"** on what's new and a brief description on the software components and data folders.

## **Revision History**

First Draft Aug 05, 2022

Rev Jan 1, 2023 - include quarantine removal instructions

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