AMVERSEAS v 9.3 Installation Guide

AMVERSEAS is a comprehensive real-time ship and environmental data acquisition and transmission system, which acquires several types of data such as AMVER (Automated Mutual assistance Vessel Rescue system), Met (Meteorological), TSG (ThermoSalinoGraph), and XBT (eXpendable Bathy Thermograph) messages.

This installation guide provides instructions on how to install, and configure AMVERSEAS system on computer for cruise. Note that you can find it under the FTP site:

ftp://ftp.aoml.noaa.gov/pub/phod/seas/SEAS/Install/AMVERSEAS\Version_9.3\Version_9.
3 Installers

Please Help Us Improve This Manual

We would be very interested to hear any comments you might have on this installation manual. We are particularly interested in learning of mistakes or omissions and subjects that are unclear. Please call or e-mail and direct your comments to Caridad Ibis Gonzalez. Thank you very much for your assistance.

Contact Information

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Before you install

• Ensure that you have permissions to **write** to the folders where you want install the *application*.



AMVERSEAS strategy:

AMVERSEAS will be installed in a separate folder - per default in C:\Program Files (x86)\AMVERSEAS_V9 in Windows 7. It doesn't attempt to modify or create any new files under this folder tree while running.

The programs settings and user data will be stored in the common documents folder where the applications attempt to modify and create new files under this folder tree while running. By default its content is available to read and write by all users. So storing files here will be exposed uniformly to all users without need to adjusting write access for non-admin users. $C:\Users\Public\Public\Documents.$

- Ensure that you are up-to-date with your Windows Updates first.
- Remove all antivirus software or fix port 25 exception. Some antivirus like McAfee will prohibit the transmissions.

Starting the Download

The latest AMVERSEAS version will need to be downloaded from the FTP site <u>ftp://ftp.aoml.noaa.gov/pub/phod/seas/SEAS/Install/AMVERSEAS\Version_9.3\Version_9.</u> <u>3 Installers</u>. You have to create a folder into a convenient location, and download the required files. Keep these files if you want to reinstall.

	vcredist_x86
	WindowsInstaller3_1
ß	AmverSeasInstaller
7	setup

Installing AMVERSEAS

In order to install AMVERSEAS on the computer double click on setup.exe application.

You may get asked to install prerequisites if your computer does not have Visual C++ 2008 installed. The .NET Framework 3.5 SP1, and the Visual C++ Runtime Libraries (x86) component will be installed. This component is required to run AMVERSEAS v 9.2 modules. Please choose **always** Accept and/or Install.

👸 AMVERSEAS 9.0 Setup	×
The following components will be installed on your machine:	
Visual C++ Runtime Libraries (x86)	
Do you wish to install these components?	
If you choose Cancel, setup will exit.	
Install [

Once this component was installed the AMVERSEAS installation begins.

Windows Installer	
Preparing to install	Cancel

A welcome dialog box will appear, please follow installation directions.

B AMVERSEAS	
Welcome to the AMVERSEAS Setup Wizard	
This wizard will guide you through the process to install AMVERSEAS and any p on this computer.	rerequisites needed
Cancel < <u>B</u> ack	Next >

Click on **Next>** to continue to the Setup Wizard.

If you have continued you will get the license agreement and installation information. This software is available for use at no monetary cost.

B AMVERSEAS	
License Agreement	20
Please take a moment to read the license agreement now. If you accept the terms below, click "I Agree", then "Next". Otherwise click "Cancel".	
FREEWARE Distribution of this program is unlimited (freeware).	
NOTE BEFORE (RE)INSTALLING: * Ensure that you are up-to-date with your Windows Updates.	
<pre>* If old version on PC, please save stored observations. * Uninstall the old program version.</pre>	-
○ I Do Not Agree I Do Not Agree	
Cancel < <u>B</u> ack Next >	כ

Click on **Next>** to continue to the Setup Wizard after you click **I agree**.

If you have continued you will get the option of installing the optional applications of AMVERSEAS by checking the appropriate box.

SEAS Transceiver Interface: Real-time application which combines reception of GPS data and transmission of collected data via several devices.

SEAS XBT Data Recorder: Real-time application which obtains information on the temperature structure of the ocean to depths of up to 2000 meters.

SEAS TSG Data Recorder: Real-time application to collect thermosalinograph data.

SEAS PC-Watchdog: to monitor the proper operation of the AMVERSEAS components. It is designed to keep the applications running continuously.

SEAS Met Observations Logger: Manual component that provides accurate meteorological and oceanographic data in real time from ships at sea.

SEAS AutoIMET Data Logger: Real-time application to produce automatically high quality marine weather observations. It connects to a Remote Computer System using sockets to retrieve a data stream containing the measured weather parameters.

AMVER Reporter: Submit four types of reports (Sailing plan, Deviation report, Position report, and Arrival report) used by the U.S. Coast Guard to update their data base for search and rescue operations.

谩 AMVERSEAS	
Installation Options (Part I)	
Select the optional product(s) you would like to install:	
SEAS Transceiver Interface	
SEAS XBT Data Recorder	
SEAS TSG Data Recorder	
SEAS PC-Watchdog	
Cancel < <u>B</u> ack	Next >

To continue with the installation click the **Next>** button.

B AMVERSEAS	
Installation Options (Part II)	
Select the optional product(s) you would like to install:	
SEAS Met Observations Logger	
SEAS AutoIMET Data Logger	
AMVER Reporter	
Cancel < <u>B</u> ack	Next >

Per default the Setup shows you a predetermined folder to install the selected AMVERSEAS components. To install to this folder, click **Next**>. To change the installation location, enter it in the **Folder** field or click **Browser** to select another folder.

H AMVERSEAS	
Select Installation Folder	
The installer will install AMVERSEAS to the following folder.	
To install in this folder, click "Next". To install to a different folder, enter it below	or click "Browse".
Eolder: C:\Program Files (x86)\AMVERSEAS_V9\	B <u>r</u> owse <u>D</u> isk Cost
Cancel < <u>B</u> ack	Next >

If you want to install AMVERSEAS components in another folder the **Browse for Folder** dialog appears that allows you to select a folder.

When this dialog box comes up, it displays the predetermined folder. To use it, you can select the browse in the list box **Browse** or enter it in the **Folder** field then click **OK**.

You are almost ready to install, check you have enough disk space free by clicking the **Disk Cost** button. As a general rule, Windows works best with at least 10-20% of the disk free.

Click the **Next>** button when you are ready.

Then the confirmation dialog appears.

B AMVERSEAS	
Confirm Installation	
The installer is ready to install AMVERSEAS on your computer.	
Click "Next" to start the installation.	
Cancel < <u>B</u> ack	Next >

When you click the **Next>** button the AMVERSEAS installation begin. This step will take a while.

B AMVERSEAS	
Installing AMVERSEAS	
AMVERSEAS is being installed.	
Please wait	
Cancel < <u>B</u> ack	Next >

When the installation was completed the completion dialog appears.

i	AMVERSEAS
	Installation Complete
	AMVERSEAS has been successfully installed.
	Click "Close" to exit.
	Please use Windows Update to check for any critical updates to the .NET Framework.
	Cancel < <u>B</u> ack Close

Then click **Close** to finish the installation process.

Now you have the AMVERSEAS icon on your desktop, and the Start menu that allows you to start the application by double clicking on it.



Always you can choose not to install AMVERSEAS by clicking **Cancel** to exit the Setup. Following dialog box will appear.

The installation is not yet complete. Are you sure you want to exit?	x	B AMVERSEAS
	?	The installation is not yet complete. Are you sure you want to exi
<u>Y</u> es No		Yes N

If you are sure that you want to exit the installation process click **Yes**, and close the Setup Wizard by clicking **Close**.

HAMVERSEAS
Installation Interrupted
The installation was interrupted before AMVERSEAS could be installed. You need to restart the installer to try again.
Cancel < <u>B</u> ack Close

If you have selected the XBT Data Recorder installation following dialogs come up. One to install the bathymetry database and one to install the climatology database. Please select **Extract**.

Bathymetry		
	This information is part of the WMO FM63 bathy coded mes Total Water Depth (TWD) is coded after the 66666 group in message. Now the TWD should be retrieved from the SQL bathymetry database for depths below 2000 meters. Anyth deeper than that should be coded as missing.	essage. o in the ΩLite ything
	Destination folder C:\Users\Public\Documents\AMVERSEAS_V9\DataBases Extraction progress	ro <u>w</u> se
	Extract	ancel

