SIS Software Install Instructions
Cookbook

Multibeam Advisory Committee
March 21, 2012
SIS 3.8.3
Contents

• How to install SIS software
• Configure the datagram distribution software

NOTE: These are directions for installing the SIS software. If you are doing this to replace a corrupt database, please see the “SIS Configuration Backup” and “SIS Software Uninstall” cookbook.
Insert the SIS software DVD. If a window does not automatically open, browse to the DVD using a file explorer and double click on the start.html file. Click on the SIS SW Installation Link.
Once this SIS Software Installation opens up, click on the “Press here to install Seafloor Information System”.

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If a security warning pops up click run to continue the installation.
Choose your install language.
Click on the “Next” button to continue installation.
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Verify that this is the version and build of SIS you want to install.
Make sure that SIS is selected as an installable component.
Choose where you want to store your raw data and where you want to store your grid data files.
Define the IP number or hostname of the Database server. If the database is going to be on the same machine you are running SIS (the normal operation mode) enter localhost.
Choose the install location for the SIS software. The default value of C:\Program Files\Kongsberg Maritime\SIS\ is the normal install location.
If you want Shortcuts to be put under the Start menu in a SIS folder simply click “Install”. Otherwise define a different folder name or click “Do not create shortcuts”.

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During the install process a dialog box will appear asking about installing a MATLAB compiler runtime, click “OK”.

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After the install is done Reboot the machine to finish the process.
Restart SIS and reconnect with the TRU through the pulldown menu. If the TRU does not appear, Rescan, and select it.
It is now time to import your PU settings (offsets, device settings, etc). Under the “File” menu select “Import PU parameters....”
A dialog box will appear. Browse to the location you saved your PU parameters (normally in the E:/sisdata/common/pu_param directory). Select your saved file and click “OK”.

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Don’t worry if you see plenty of blinking red fields after doing this. Go to the “File” menu and select quit….everything will be ok.
Start up SIS again and connect to the TRU through the pulldown menu.
It is now time to import all of you user settings such as screen layouts, datagram subscriptions, external sensors, etc. Go the the “File” menu and select “User settings”.

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You should only load user settings from a machine with the same number of hard drives. This is not normally a problem as the usual is to load settings from the same machine. Click “Ok”.

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The “Import User Settings” dialog box will appear. Click on the file selection box for User Parameters (circled in the figure above).
Select the User Settings parameters file. This file will end in a .params suffix.
Click on the file selection box for “Datagram subscriptions”.

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Select the Datagram subscriptions file. This file will end in a .dgmsubs suffix.
Click on the file selection box for “Survey templates”.

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Select the Survey template file. This file will end in a .srvtpl suffix.
Click on the file selection box for “Projections”.
Select the Projections file. This file will end in a .proj suffix. Make sure you DO NOT select the file that ends with a .srvtpl.proj suffix.
Click on the file selection box for “Frame settings”.

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Select the Frames file. This file will end in a .frames suffix.
Click on the file selection box for “External sensor settings”.

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Select the External Sensors file. This file will end in a .extsens suffix.
Click the “Accept” button now that you have filled out all of the fields.
Click the “Accept” button. If you are importing these settings from another sounder make sure that you change the Sounder’s serial to match the sounder you are importing for.
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Click the “Ok” button, you are done importing settings.
Quit SIS in order to finalize the loading of the User settings.
Start up SIS again and connect to the TRU through the pulldown menu.
The one parameter that the above method does not correctly set (apparently) is the grid engines cell size. To fix this select “View” -> “Tear Off” -> “New Survey”.
Change the “Number of cells in processing grid:” to 128x128 and change the “Cell size (m) to 150 for the EM122 and 5 for the EM710. It might be necessary to change to EM710’s grid cell size to 10m depending upon the size of the survey area.

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Datagram Distribution Configuration

SIS as part of the install process wiped out the datagram distribution parameters. Open the software and add a source port of 4310 for Centerbeam Depth and a the desired IP and destination port (for the Kilo Moana’s EM120 you should enter 192.168.1.40:5634 and for the EM710 you should enter 192.168.50:5635).

R/V Kilo Moana’s EM122 Data Distribution settings.

R/V Kilo Moana’s EM710 Data Distribution settings.