



KONGSBERG

Basestation Upgrade Procedure

Document No. 4900053

Summary

This document describes how to upgrade your existing Seaglider Basestation to the latest version.



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Document history

- Rev. A Initial Revision
- Rev. B Remove obsolete iRobot section.

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1 INTRODUCTION

These instructions are for upgrading the software on a Seaglider Basestation. The person performing the upgrade must be familiar with the Linux operating system (Ubuntu and Red Hat) and have system administrator privileges.

2 UPGRADING A KONGSBERG BASESTATION

This procedure consists of five steps:

1. determine which version of the Basestation software is currently installed
2. review the Release Notes for upgrade details
3. save the old Basestation software
4. install the new Basestation software
5. restore any custom settings

The following materials are required for the procedure:

- The Basestation.2.09.RX.tar.gz file, the BasestationThirdParty.2.09.RX.tar file, and the ReleaseNotes.2.09.RX.txt file must be available. The 'X' in 'RX' indicates the release number.
- If using Ubuntu, Seaglider Ubuntu Basestation Installation Guide (Document # 4900008)

2.1 Determine which version of the Basestation software is currently installed

Open the /usr/local/basestation/Globals.py file and search for a 'kuti_version' string. If the string is found, note its value. If the string is not found, then the software is the "Pre-R5" version.

2.2 Review the Release Notes for upgrade details

Open the Release Notes file.

Each release listed in the file has its 'kuti_version' number listed. Compare your existing kuti_version number with those in the file and determine which releases need to be installed to bring your basestation up to date. Note that you will be provided with the latest release, which will include upgrades from any previous releases.

There is an 'UPGRADE INFORMATION' section for each release listed in the file. Note the instructions for each release.

2.3 Save the old Basestation software

The following steps will temporarily take the Basestation out of service and should be performed when this will not disrupt Seaglider operations.

Before making any changes to your Basestation, make a complete backup of it.

Make a copy of the current software with the following command (replace the 'x' with the version number you found in step 3.1):

```
sudo cp -r /usr/local/basestation /usr/local/basestation.x
```

2.4 Install the new Basestation software

Remove the current software with the following command:

```
sudo rm -rf /usr/local/basestation
```

Carry out the instructions in the Release Notes' 'UPGRADE INFORMATION' section, saving the basestation code replacement for last.

When the other packages (if any) have been upgraded, copy the Basestation.2.09.RX.tar.gz file to /usr/local..

Type the following commands:

```
cd /usr/local
```

```
sudo tar -xvzf Basestation.2.09.RX.tar.gz
```

```
cd /usr/local/basestation
```

Set the correct file permissions with the commands:

```
sudo chown root *
```

```
sudo chgrp root *
```

```
sudo chmod 755 *.py
```

```
sudo chmod +x *.sh
```

Repeat the `chown` & `chgrp` commands in the `basestation_support`, `Validate-66.12`, and `Sensors` subdirectories. In the `Sensors` directory, also type the commands:

```
sudo chown root .sen*
```

```
sudo chgrp root .sen*
```

3 AFTER UPGRADING

If your previous Basestation used custom settings in the `/usr/local/basestation/glider_login` or `/usr/local/basestation/glider_logout` files, add those custom settings back into the newly-installed files.

If you have any custom settings in the files used for sensor processing (`/usr/local/basestation/Sensors`), add those custom settings back into the newly-installed files.

4 CONTACT KONGSBERG

Have questions?

Email: km.support.seaglider@kongsberg.com.