

Updating to Regulus 1.0.1

Liquid Robotics, Inc.

Part Number 07009	Revision A	March 2015
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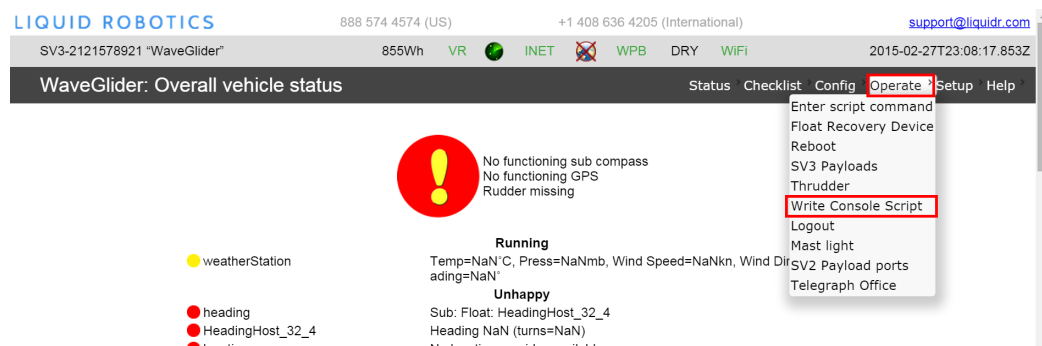
There are two ways you can update to Regulus 1.0.1 on a Wave Glider SV3:

- REGULUS 1.0.1 ONLINE UPDATE PROCEDURE ([page 1](#))
- REGULUS 1.0.1 OFFLINE UPDATE PROCEDURE ([page 6](#))

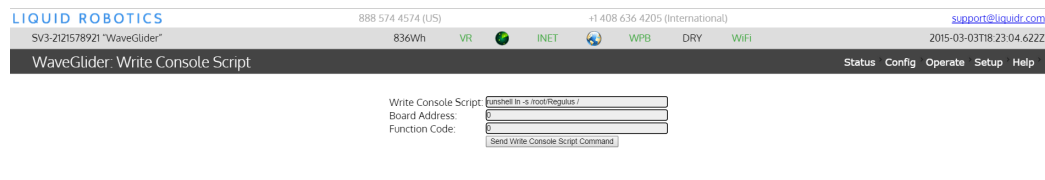
IMPORTANT: To avoid unnecessary risk, LRI does not recommend performing a Regulus update while a Wave Glider SV3 is on a mission.

REGULUS 1.0.1 ONLINE UPDATE PROCEDURE

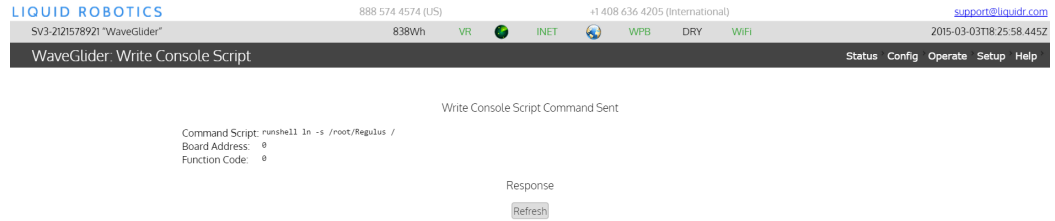
1. Make sure the vehicle is connected to the Internet through the cellular modem or the CCU debug cable.
2. Login to the vehicle Web page over WiFi, cellular/VPN, or the CCU debug cable. The Vehicle's CCU broadcasts it's SV3 Web interface network connection, for example: **SV3-1**. Click on the network connection and you will be prompted for your login credentials (provided by LRI). When you have successfully logged in, the **Overall vehicle status** page will appear. The SV3 Web interface always opens to the **Overall vehicle status** page.
3. To upgrade a Regulus 1.0 system to Regulus 1.0.1 from the vehicle Web page, you must first execute the **runshell In -s /root/Regulus /** command:
 - a. Click on the **Operate** drop-down menu and select **Write Console Script**:



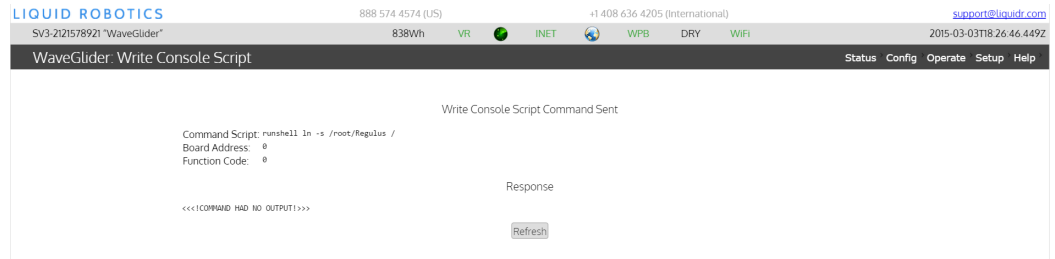
- b. Enter the command: **runshell In -s /root/Regulus /**



- c. Click on the **Send Write Console Script Command** button and the **Write Console Script Sent** acknowledgement page will appear:



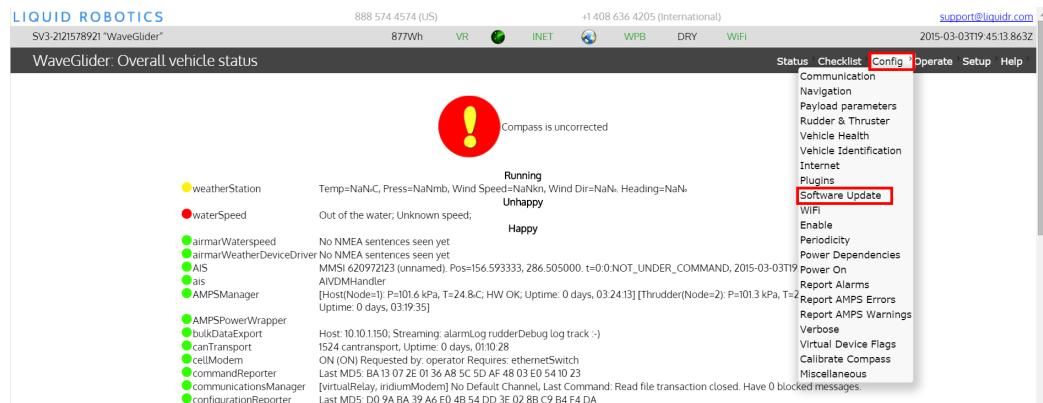
The **runshell in -s /root/Regulus /** command has no output. If you click on the **Refresh** button the <<<! COMMAND HAD NO OUTPUT!>>> response indicates that the command was successful.



Note

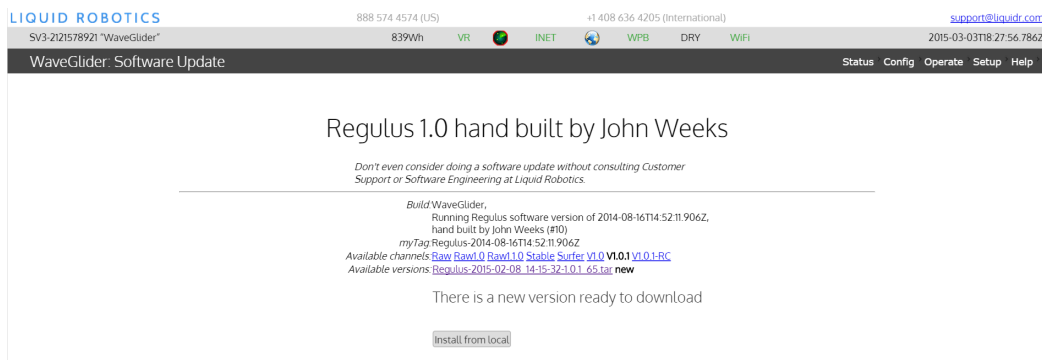
The results of the **runshell in -s /root/Regulus /** command are persistent, it should not need to be executed more than once.

4. Click on the **Config** drop-down menu and select **Software Update**:



The **Software Update** page will appear:

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5. If **V1.0.1** is not already selected in the **Available channels** list, click on it. When **V1.0.1** is selected it will appear in a black bold face font:

Available channels: [Raw](#) [Raw1.0](#) [Raw1.1.0](#) [Stable](#) [Surfer V1.0](#) **V1.0.1** [V1.0.1-RC](#)

6. To initiate the software download, click on the Regulus version you want to update to in the **Available versions** list, for example: **Regulus-2015-02-08_14-15-32-1.0.1_65.tar**

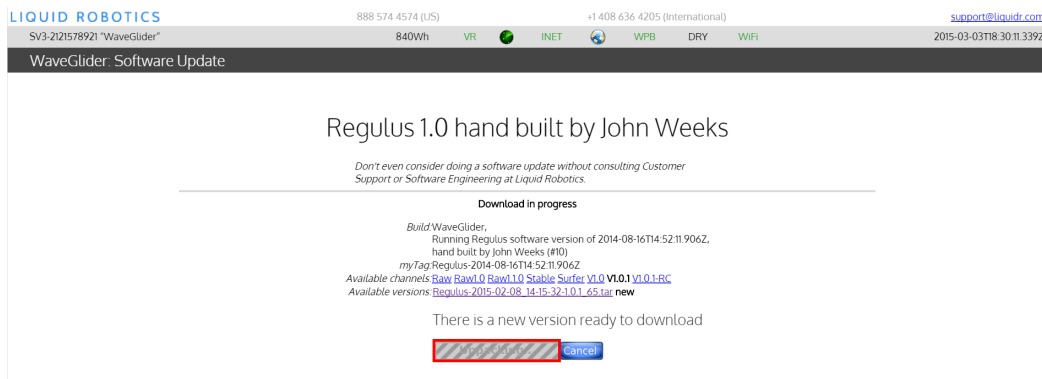
Available versions: [Regulus-2015-02-08_14-15-32-1.0.1_65.tar](#) **new**



Note

The **Install from local** button is used to select a Regulus version that is stored on a local disk. For more information see the **REGULUS 1.0.1 OFFLINE UPDATE PROCEDURE** (page 6) at the end of this document.

When the download begins, the **Install from local** button will be replaced by a gray progress bar that will move from right to left and then change to read **Unpacking...**:

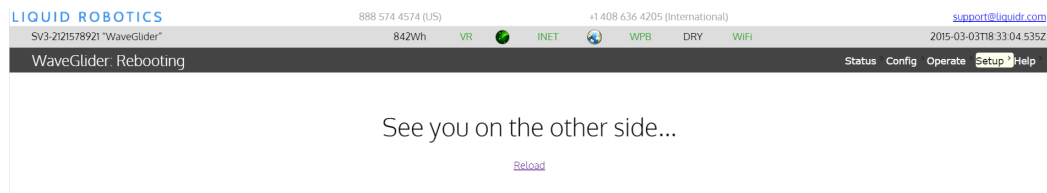


7. When the download is complete, a **Done! Install?** button will appear. Click on the **Done! Install?** button to install the Regulus version you just downloaded.

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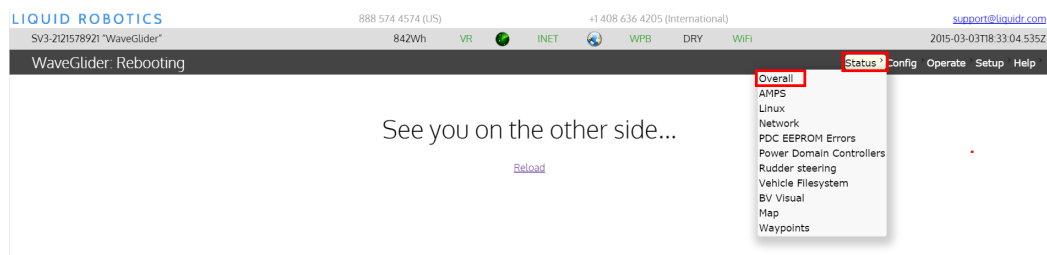


8. When you click on the **Done! Install?** button, the following **See you on the other side...** page appears and Regulus shuts down, new files get installed, and Regulus reboots.



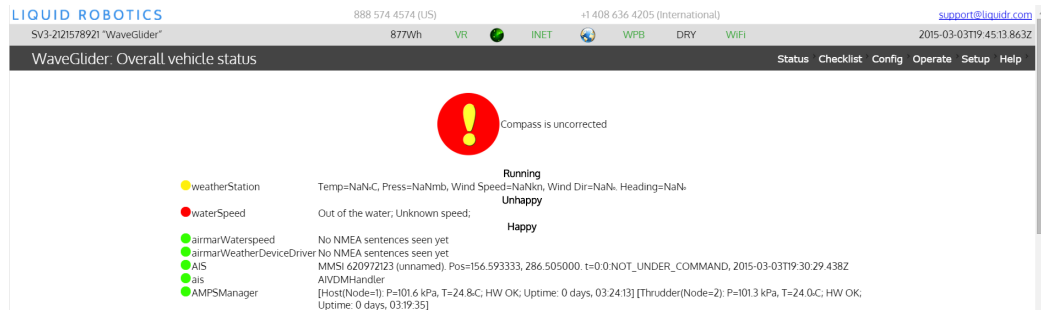
IMPORTANT: The reboot takes 10 to 15 minutes. There is nothing in the UI to indicate when the reboot has completed. To avoid confusion, it is best to simply wait 15 minutes after you click on the **Done! Install?** button, before proceeding with the software update process. Do not click on the **Reload** link - it will cause the browser to timeout if you click on it before Regulus 1.0.1 boots up and the network connection is established. The **Reload** link is used to return you to the **Overall vehicle status** page, but only when Regulus is running, not during a reboot.

After waiting 15 minutes for the reboot to complete, click on the **Status** drop-down menu and select **Overall**:

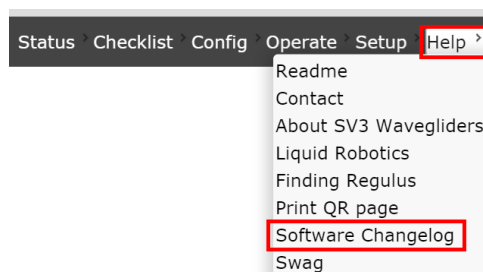


The Overall vehicle status window will open:

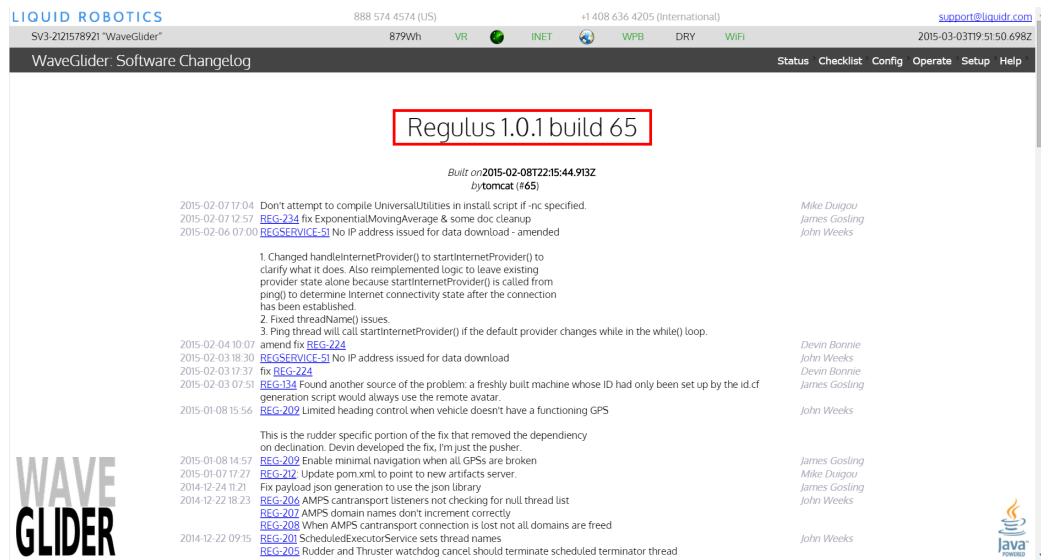
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9. To verify that the vehicle is running the Regulus 1.0.1 version that you just installed, from the **Overall vehicle status** window, click on the **Help** drop-down menu and select **Software Changelog**:



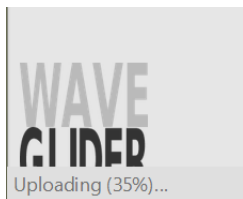
The **Software Changelog** page will display the Regulus version that is running:



REGULUS 1.0.1 OFFLINE UPDATE PROCEDURE

To update Regulus 1.0.1 with a tar file stored on a local drive, replace **step 6** in the **REGULUS 1.0.1 ONLINE UPDATE PROCEDURE** (page 1) with the following steps, then continue with **step 7** of the **REGULUS 1.0.1 ONLINE UPDATE PROCEDURE**:

- a. Obtain a copy of the Regulus 1.0.1 tar file from your authorized service representative and store it on a local drive.
- b. Click on the **Install from local** button.
- c. Click on **Chose file** and select the Regulus 1.0.1 tar file.
- d. Click on the **Upload** button. Initially you will see the upload progress in the lower left hand corner of the window:



Next the **Software Update** window will appear with a gray progress bar that moves from right to left and then changes to read: **Unpacking...** After the uploaded file is unpacked the **Done! Install?** button will appear on the **Software Update** window. This is the point at which you continue with **step 6** of the **REGULUS 1.0.1 ONLINE UPDATE PROCEDURE**.