

Zimbra

cwahl@mbari.org

RE: Case 15299: Procedure for updating Regulus on Wave Glider CCUs?

From : Eric Niven <eric.niven@liquid-robotics.com> Sat, May 27, 2023 01:25 AM
Subject : RE: Case 15299: Procedure for updating Regulus on Wave Glider CCUs?
To : Christopher Wahl <cwahl@mbari.org>
Cc : Constantine Tikhoniouk <ct@liquid-robotics.com>, Customer Support <support@liquid-robotics.com>

Hi Chris –

We have a matrix for just this situation, so here goes for V100/V200 running 3.2.2:

AirmarWx:	3.0.0
AirmarWxUpdater:	Not to be used
DutyCycler:	2.1.1
GPSasRudderCompass:	2.0.0
HybridPayload:	Not to be used
leopardCamera:	1.4.3
LogAlarmReporter:	2.2.0
PortForwarder:	1.0.1
RestoreConfiguration:	Not to be used
RudderDefender:	Not to be used
RudderParametersMgr:	1.1.0
SlayerConfiguration:	2.0
ThrusterAdjuster:	2.1.0
UbloxMast:	2.1.0
Winch:	2.9.0

Thanks,
Eric

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From: Christopher Wahl <cwahl@mbari.org>
Sent: Friday, 26 May, 2023 16:30
To: Eric Niven <eric.niven@liquid-robotics.com>
Cc: Constantine Tikhoniouk <ct@liquid-robotics.com>; Customer Support <support@liquid-robotics.com>
Subject: Re: Case 15299: Procedure for updating Regulus on Wave Glider CCUs?

I downloaded the plugins that were on CCU SV3-121 and with these files I was able install the plugins that were originally on SV3-029. Although the versions for the plugins are all different. It would be helpful

to know the recommended plugins for the different vehicles types and what versions of the plugins I should be running.

Have a great weekend!

Thanks,

Chris

From: "Christopher Wahl" <cwahl@mbari.org>
To: "Eric Niven" <eric.niven@liquid-robotics.com>
Cc: "Constantine Tikhoniouk" <ct@liquid-robotics.com>, "Customer Support" <support@liquid-robotics.com>
Sent: Friday, May 26, 2023 8:57:02 PM
Subject: Re: Case 15299: Procedure for updating Regulus on Wave Glider CCUs?

Alright, I was able to change the AIS serial baud rate and address the issue from CSN 0056. CCU SV3-029 is back online running Regulus 3.2.2! I just need to install the plugins now.

Thank you all for the support!

Chris

From: "Christopher Wahl" <cwahl@mbari.org>
To: "Eric Niven" <eric.niven@liquid-robotics.com>
Cc: "Constantine Tikhoniouk" <ct@liquid-robotics.com>, "Customer Support" <support@liquid-robotics.com>
Sent: Friday, May 26, 2023 6:18:13 PM
Subject: Re: Case 15299: Procedure for updating Regulus on Wave Glider CCUs?

Thanks Eric, I found the CSN 0056 announcement in my emails, thank you for the reminder!

Chris

From: "Eric Niven" <eric.niven@liquid-robotics.com>
To: "Christopher Wahl" <cwahl@mbari.org>, "Constantine Tikhoniouk" <ct@liquid-robotics.com>
Cc: "Customer Support" <support@liquid-robotics.com>
Sent: Friday, May 26, 2023 5:35:12 PM
Subject: RE: Case 15299: Procedure for updating Regulus on Wave Glider CCUs?

Hi Chris –

For AIS baud rate change (baud rate not 115,200, such as if the Wave Glider is of the older configuration with an AIS receive only model, which doesn't use the default baud rate of 115,200):

Write Console Script: `ais.changeBaudRate(<baud_rate>)`

There is also a step required to ensure Iridium works (disable MSSTM), let me know if you need those instructions (CSN 0056).

Thanks
Eric

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From: Christopher Wahl <cwahl@mbari.org>
Sent: Friday, 26 May, 2023 09:59
To: Constantine Tikhoniouk <ct@liquid-robotics.com>
Cc: Customer Support <support@liquid-robotics.com>
Subject: Re: Case 15299: Procedure for updating Regulus on Wave Glider CCUs?

Good morning CT,

The videos were helpful, thank you!

I am not sure of the status for the Regulus upgrades on all of our CCUs... So if it isn't too much trouble it would probably be helpful to have the SHAR files for CCUs 006,017,034,038 and 172.

Also, I do not have any of the files to restore the plugins on the CCUs, could you also please send me the plugins for Regulus 3.2.2. The Plugins that were on SV3-029 originally were Aimarweather, GPSasRudderCompass, LogAlarmReporter and ThrusterAdjuster. Are there any other plugins that you recommend installing on our CCUs?

One last thing... It looks like the default AIS serial baud rate on Regulus 3.2.2 is 115200. The AIS baud rate on SV3-029 was originally 38400, what is the command to change the baud rate for AIS serial communications? This scenario was brought up in the videos you sent out but I don't remember seeing the command to change the baud rate.

Thanks,

Chris

From: "Constantine Tikhoniouk" <ct@liquid-robotics.com>
To: "Christopher Wahl" <cwahl@mbari.org>, "Customer Support" <support@liquid-robotics.com>
Sent: Thursday, May 25, 2023 8:22:53 PM
Subject: Case 15299: Procedure for updating Regulus on Wave Glider CCUs?

Hey Chris,

Let me line up the video instructions for the remote upgrade to 3.2.2 for the v200 based vehicles. I will have to send it via a separate thread (4 emails actually) since the video files are pretty sizable.

I also need to send you the SHAR file for SV3-029.

When you get a chance, can you please confirm which other CCUs (vehicle numbers) are lined up for the 3.2.2 field upgrade so I can dig up those SHAR files?

Thank you!

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From: Christopher Wahl <cwahl@mbari.org>
Sent: Thursday, May 25, 2023 1:12 PM
To: Customer Support <support@liquid-robotics.com>
Subject: Procedure for updating Regulus on Wave Glider CCUs?

Dear LR support,

I am working on updating the software on some of our older CCUs to Regulus 3.2.2. I have the microSD cards to do this and I have already installed one of these Micro SD cards in CCU SV3-029. What is the procedure to get the CCU back online after installing a new MicroSD card?

Thank you,

Chris Wahl

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