



Server Migration Instructions

V1.0.1

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Migration Information

With the new servers a few things have changed, the portal is no longer available or supported. Everything has been moved to the Uapp this was done for simplicity and to be easier to manage and update.

Email alerts and labels are now in the Uapp. Once logged in and if your controller is sending data to the uapp, you will see two news tabs under the settings. This is for labels and email alerts. If you are using a RAplus and an old Wi-Fi attachment, you will see the two new tabs after data is received from your controller.

User label settings have been copied over, so by hitting sync saved labels your old labels will download. To set email alerts, you must wait for the controller to send data to the new server. This happens automatically once the device has been updated using the instructions below, but it will take 5 minutes once the controller is connected to the internet. If you try setting your email address before this takes place you will receive an error.

Email alerts from address will be from my other domain "bcinnvote.com" the reasons for this are so we can maintain the users on the old server, and still have functioning alerts on the new server. This will be changed to back to the reefangel email address once have the migration complete and the old servers decommissioned.

The forum posts and information have been migrated over, but anything posted after October will not be in the new forum. The new forum is community.reefangel.com. This will be changed back to forum.reefangel.com once we are fully migrated over. The new links are below.

community.reefangel.com -forum

community.reefangel.com/uapp

community.reefangel.com/webwizard

WiFi Attachment Instructions

Download the firmware from the link below, and extract/unzip the folder.

<https://community.reefangel.com/firmware/updatewifi.zip>

To update your WiFi attachment settings using Tera Term, follow these steps:

1. Edit the .ttl File:

- Change the .ttl file with your WiFi SSID and password.

2. Configure Using Tera Term:

- Download and install Tera Term.

<https://tera-term.en.softonic.com/download>

3. Adjust Baud Rate if Needed:

- If nothing appears on the screen, change the baud rate.
- In Tera Term, go to 'Setup' -> 'Serial port'.
- Choose 57600 baud.
- Then, go back to 'Control' -> 'Macro' and reopen the .ttl file.

Cloud Wifi Attachment / Hub

Will be Updated soon with instructions.

Webwizard

The webwizard will still be used for compiling and uploading code to your RApplus and Star controllers, it is the same process as before. Your saved sketches have all been moved over to the new server.

The webwizard now saves your last uploaded code. To see your last uploaded code click on open and it will be named lastuploaded.ino this is updated every time you upload code to your controller.

For the webwizard to communicate with your device you must download the plugin and modify the configuration for the plugin. To do this you first must locate the .ini file for the plugin. For windows users: this is typically found in

C:\Users\“yourusername”\AppData\Roaming\ReefAngelWebWizardPlugin

On macOS, it's located in \$HOME/Library/Application Support/ReefAngelWebWizard/config.ini.

I am working on compiling an updated plugin so this will not be needed, but in the meantime follow these instructions.

Open the config.ini it will look like this below. Copy the contents below or just add community.reefangel.com in the origins.

Once done you will see plugin found and connected, and you will see a com port if your controller is plugged in.

config.ini

configUpdateInterval = 0 # Update interval for re-reading config file set via -config flag. Zero disables config file re-reading.

gc = std # Type of garbage collection. std = Normal garbage collection allowing system to decide (this has been known to cause a stop the world in the middle of a CNC job which can cause lost responses from the CNC controller and thus stalled jobs. use max instead to solve.), off = let memory grow unbounded (you have to send in the gc command manually to garbage collect or you will run out of RAM eventually), max = Force garbage collection on each recv or send on a serial port (this minimizes stop the world events and thus lost serial responses, but increases CPU usage)

hostname = unknown-hostname # Override the hostname we get from the OS

ls = false # launch self 5 seconds later

regex = usb|acm|com # Regular expression to filter serial port list

v = true # show debug logging

appName = CreateBridge

updateUrl = http://forum.reefangel.com/

#updateUrl = http://localhost/

origins = https://community.reefangel.com, <https://forum.reefangel.com>

RAPlus

You may not have to upload code to the RAPlus, but just update the wifi attachment/cloud wifi, but I recommend, using the new webwizard to upload your code to ensure you are on the newest version of the libraries, and this will ensure you have all the correct settings for the new server. The webwizard now saves your last uploaded code. To see your last uploaded code click on open and it will be named lastuploaded.ino this is updated everytime you upload code to your controller.

RAStar

For the RAStar you will have to upload your code using the new webwizard to communicate with the new servers. A few things to note, if you upload a saved sketch you will have to change RAStrng1 at the bottom of your code with the updated encrypted password.

To get the encrypted password go through the webwizard and encrypt your password and copy the data and put it in your old sketch. I had to change the encryption process to work with the updated version of PHP.

If you don't have any saved sketches or a copy of your last sketch, just go through the webwizard to create your code. I will make documentation on the webwizard and its features soon.

Remote upload. Once you have your Star setup on the new servers any future code revisions can be done using remote upload, I have changed a few things on how the remote upload works and so far, it's been working flawlessly for me, but more testing is needed.

The webwizard now saves your last uploaded code. To see your last uploaded code click on open and it will be named lastuploaded.ino this is updated everytime you upload code to your controller.