

- Power up sequence
 - Battery
 - PV
 - Load
- Check Bluetooth to all Victron devices
 - Pins are 000000
- Check wifi to Cerbo
 - (SSID: venus-HQ2201XUYMU-12d)
 - cuqqc8vx
- WiFi to espbruce via ESPaway3 ← All this shaded text is done while on espaway3 wifi
 - artich0k3G^
- Satellite Setup
 - <http://ESPaway3:8000>
 - Name: user
 - Password: genosensor
 - Click gears in lower right corner for setup
 - Click Installation and then OK
 - Wait for reboot and then align use tone to align.
 - Estimate bearing 138 azimuth 83.
 - Tone will stop once no changes for about 2 minutes
 - Wait for pop up to complete all tasks
- Ssh bruce
 - 192.168.36.221
 - Start server: espserver start
 - Open client: espclient mccloud
- Send email to alert presence
 - Notice.email "hello Brent"
- Conversation with others
 - #what you want to say
- Upload Victron data
 - `victron up` ←those be back tics
 - Wait 5 minutes and have Brent check portal for update. Coordinate with Brent
 - `victron down`
- Test pump
 - Power.sampler :on,1000
 - Allow 20 seconds for pump to start
 - Confirm flow, adjust flow rate
 - Power.sampler :off
- Prepare for mission
 - Exit espclient with exit
 - Stop server with espserver stop
- Start Mission!
 - espserver start mission_filename
 - to monitor progress and communicate with Brent: espclient mccloud
 - to just monitor progress showlog ← this is ok here because on wifi
- done?

Important Deployment Notes

PASSWORDS:

McCloud River Power

Victron (SSID: venus-HQ2201XUYSMU-12d): cuqqc8vx
cuqqc8vx

Super user and ssh username: root

Password: RNAprobe

Bluetooth pin is 000000

BGAN control website:

<http://ESPaway3:8000>

User name: user

Password: genosensor

espserver start

espclient your name

To confirm satellite and chat with Brent:

Use → Notice.email "hello Brent"

Purpose is to just notify Brent it's online and we can chat via terminal (espserver)

Note: we need log unhidden to chat, the default is a unhidden log for bgan comms

Communicate via #

Azimuth and declination of sat antenna 138 and 83

ESPaway3 artich0k3G^

Bruce ip 192.168.36.221

Do **NOT** ssh to ESPbruce via ssh ESPbruce.vpn to start an ESPclient

Do this, instead:

```
esp@bufflehead$ espRemoteBruce
```

This opens a client on ESPbruce with the line editing happening locally on bufflehead.

Only after you press <return> does the full line get sent.

Be careful using the <TAB> key

If things seem to be "hung", do NOT start typing ahead on the terminal.

Wait for the → prompt before composing your next line of input.

Important exception to the above rule:

If the ESP is running a mission, when you start your client, you may not get the → prompt do to the ongoing log.

In this case, type

`hidelog`

as quickly as you can. This will hide the log messages and you should get a → prompt.

If the terminal starts spewing text for any reason and you cannot stop it, press <Control-Q> to "force quit" the client.

This will not cause the ESP to quit, it only terminates the local client.

You may leave the client at the → prompt if you are sure that the logging is currently "hidden"

When in doubt, type `hidelog` again before leaving the client session unattended.

(There is a `showingLog?` command, but it's not really worth the trouble)

<Control-C> may still be used, as usual, to terminate a command

Enable Ethernet to Cerbo

```
-> `victron up`    <--those are back tics!!!
```

```
Enabled Victron network access!!
```

```
-> `victron down`
```

```
Disabled Victron network access
```

to us victron remote console, enable its Ethernet port from an espclient on esp@ESPbruce, first:

```
esp@bufflehead $ victron root@einstein
```

then:

```
esp@bufflehead$ remmina&
```

Simply click on Victron ESP line in the list of servers presented by remmina.

When done, first exit the root shell on einstein.

Then, in the ESP client window, type:

```
-> `victron down`
```

```
Disabled Victron network access
```