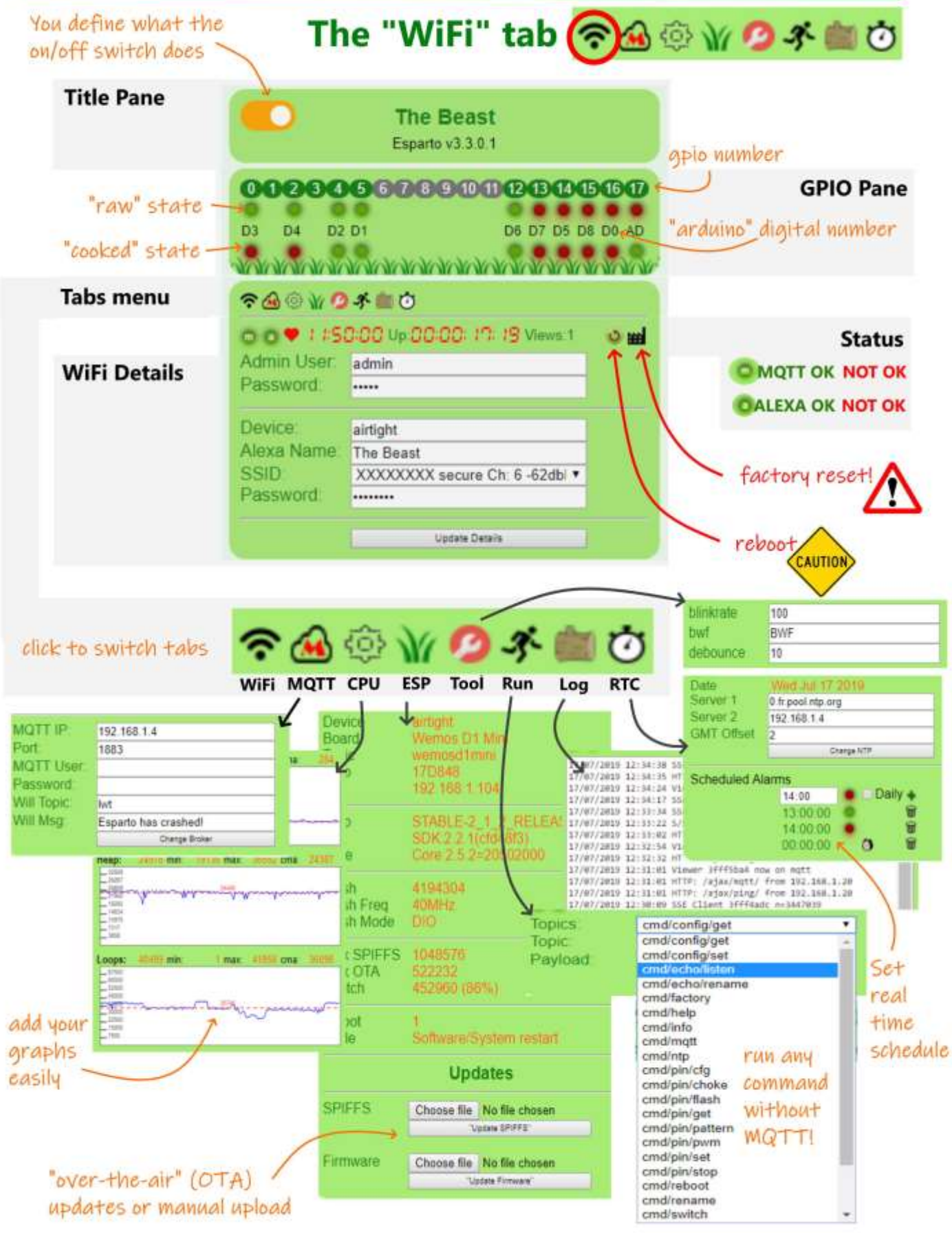
Esparto v3.3 — Web User Interface



Esparto v3.3

Web User Interface

The MQTT tab

You define what the on/off switch does

Title Pane

The Beast

Esparto v3.3.0.1

gpio number

"raw" state

"cooked" state

GPIO Pane

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

D3 D4 D2 D1 D6 D7 D5 D8 D0 AD

"arduino" digital number

Tabs menu

Status

MQTT OK NOT OK

ALEXA OK NOT OK

13: 14:58 Up 00:0 142: 19 Views:2

Publish Stats:

Publish Vars:

any user data changes are sent to MQTT

MQTT IP: 192.168.1.4

Port: 1883

MQTT User:

Password:

Will Topic: lwt

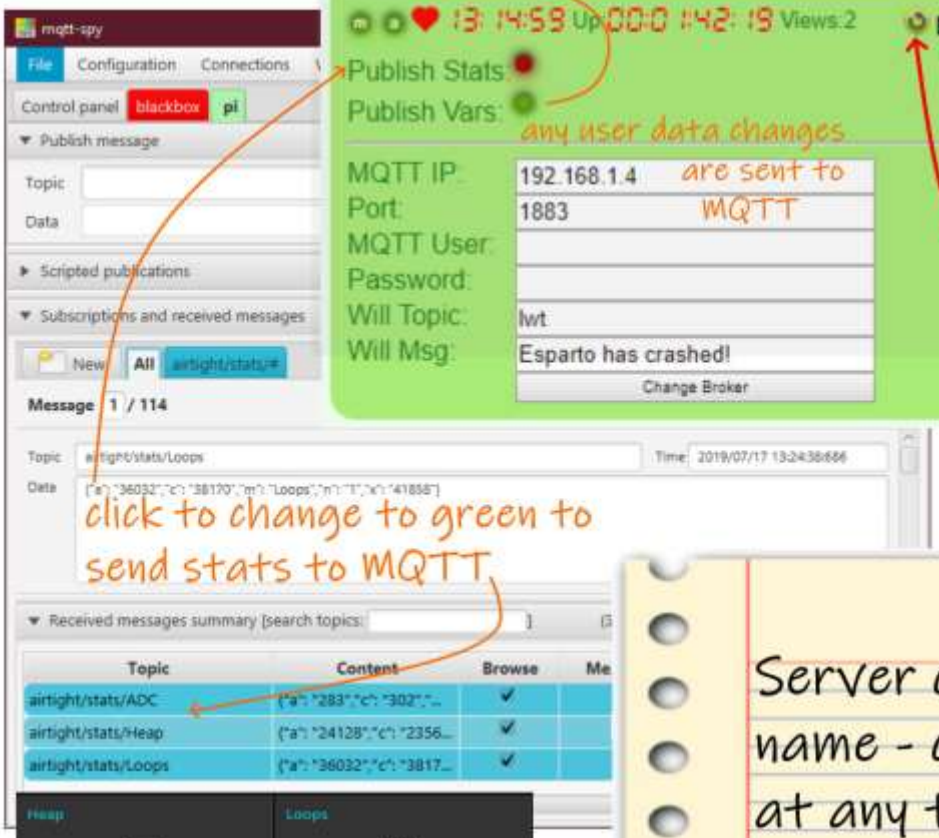
Will Msg: Esparto has crashed!

Change Broker

factory reset!

reboot

CAUTION



Server can IP or domain name - can be switched at any time without a reboot

Username and password are optional

NODE-RED is great for stats!

 philbowles2012@gmail.com https://github.com/philbowles/esparto

Esparto v3.3

Web User Interface

The "Gear" tab

You define what the on/off switch does

Title Pane

The Beast

Esparto v3.3.0.2

gpio number

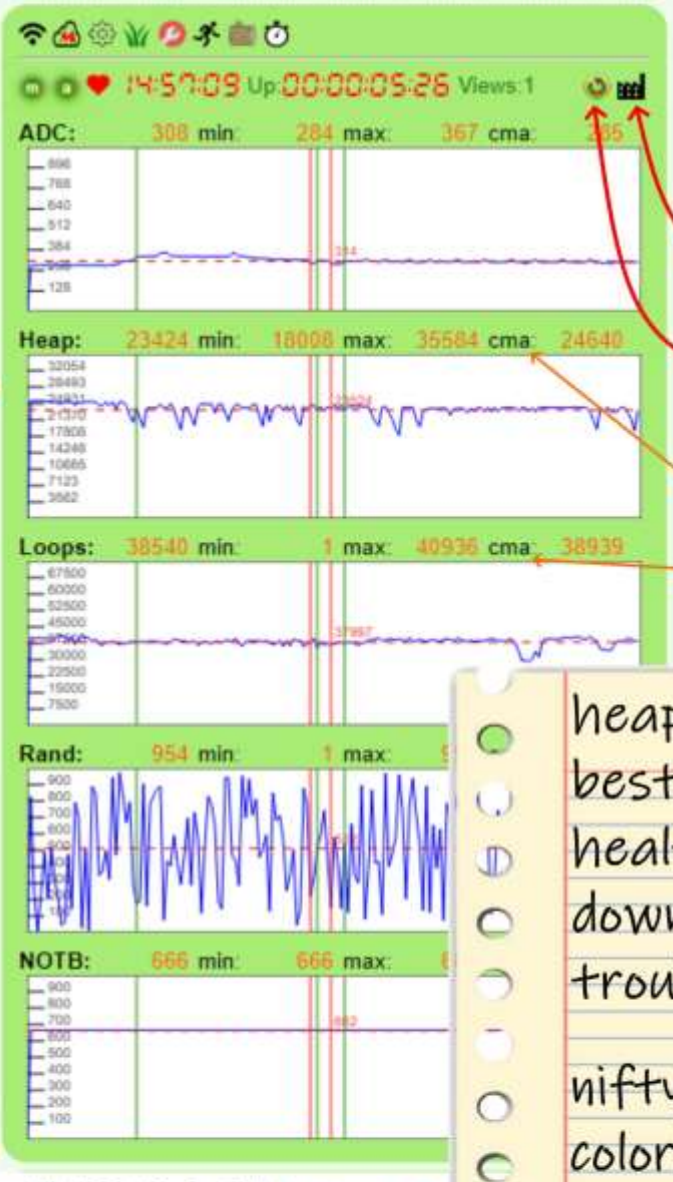
GPIO Pane

"raw" state

"cooked" state

"arduino" digital number

Tabs menu



Status

MQTT OK NOT OK

ALEXA OK NOT OK

factory reset!

reboot

CAUTION

you can choose which graphs to include...

cma means continuous moving average

...and even add your own with 1 line!

```
163
164 void setupHardware
165   ESPARTO_HEADER(S
166   Esparto.graph("Rand",1000,10,0,[](){ return ran
167   Esparto.graph("NOTB",1000,10,0,[](){ return 666
168
```

heap & loops are the best indicator of mcu health. If they slope down you are in ~~Shit~~ trouble.

nifty "vbar" puts a colored stripe so you spot when things go bump in the night

 philbowles2012@gmail.com https://github.com/philbowles/esparto

Esparto v3.3

Web User Interface

The "ESP" tab

You define what the on/off switch does

Title Pane

The Beast

Esparto v3.3.0.2

gpio number

GPIO Pane

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

"raw" state

"cooked" state

D3 D4 D2 D1 D6 D7 D5 D8 D0 AD

"arduino" digital number

Tabs menu

progress bar

18%

15:33: 12 Up 00:00:4 1:29 Views 1

Status

MQTT OK NOT OK

ALEXA OK NOT OK

ha! ha! because every single gpio socket has a plug in it!

Device	airtight
Board	Wemos D1 Mini
Topic	wemosd1mini
Chip	17D848
IP	192.168.1.104
Lwip	STABLE-2_1_2_RELEASE
Sdk	SDK:2.2.1(cfd48f3)
Core	Core:2.5.2=20502000
Flash	4194304
Flash Freq	40MHz
Flash Mode	DIO
Max SPIFFS	1048576
Max OTA	522232
Sketch	453504 (86%)
NBoot	2
Code	External System

factory reset!

reboot

Updates

SPIFFS Choose file spiffs__4M.bin "Update SPIFFS"

Firmware Choose file No file chosen "Update Firmware"

you can use OTA from the arduino IDE or upload stuff yourself

does pretty much what it says on the tin

 philbowles2012@gmail.com

https://github.com/philbowles/esparto

Esparto v3.3

Web User Interface

The "Tool" tab

You define what the on/off switch does

Title Pane

The Beast

Esparto v3.3.0.2

gpio number

GPIO Pane

"raw" state

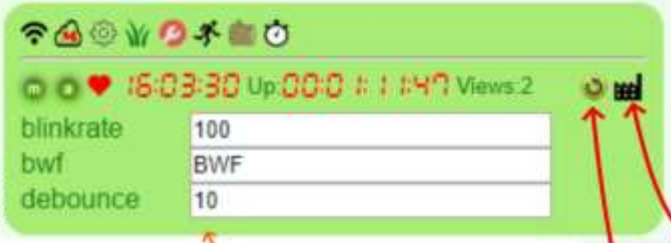
"cooked" state

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

D3 D4 D2 D1 D6 D7 D5 D8 D0 AD

"arduino" digital number

Tabs menu



Status

MQTT OK NOT OK

ALEXA OK NOT OK

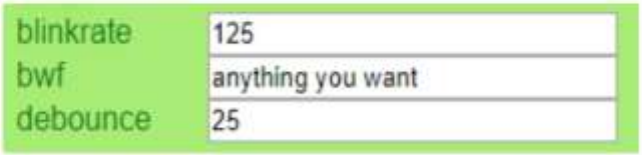
```
78      {CONFIG(ESPAI
79      {CONFIG(ESPAI
80  //
81  //  Add your own configuration name/value pairs here:
82  //
83      {"blinkrate","100"},
84      {"debounce","10"},
85      {"bwf","BWF"}
86  };
87  ESPArto Esparto(cb);
88  #define PIR          D0
89  #define ENC_A        D1
```

factory reset!

reboot

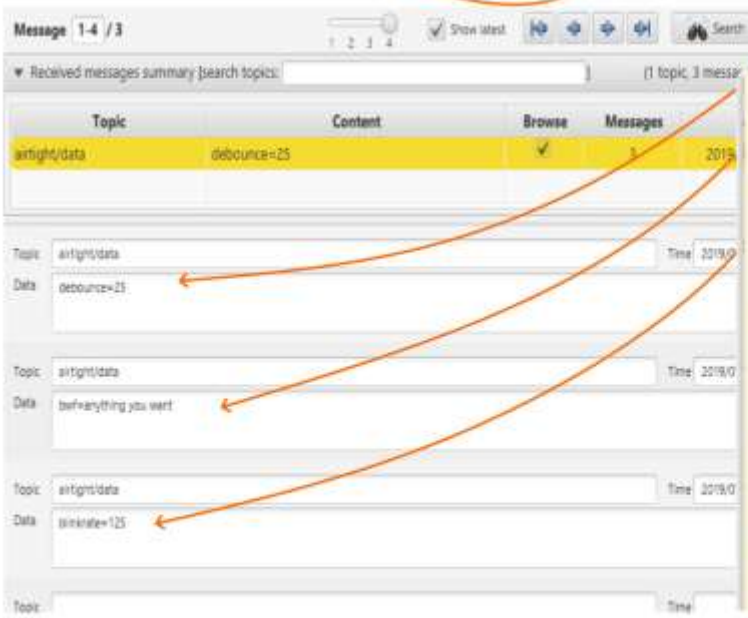
CAUTION

you define these
you can do what you want
with them...



..if you click this:

the new values get sent to MQTT
when they change



your code gets told
if they change

even if some other
process does it!

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Esparto v3.3 — Web User Interface

The "Run" tab

You define what the on/off switch does

Title Pane

The Beast
Esparto v3.3.0.3

gpio number

GPIO Pane

"raw" state
"cooked" state
"arduino" digital number

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
D3 D4 D2 D1 D6 D7 D5 D8 D0 AD

Tabs menu

16:52:56 Up 00:00:18:28 Views 1

Topics: cmd/config/get
Topic: cmd/echo/rename
Payload: Beauty and The Beast
Simulate MQTT

Status

MQTT OK NOT OK
ALEXA OK NOT OK

1. drop down the list
2. enter other data e.g. payload... and hit the button

factory reset!

...et voila!

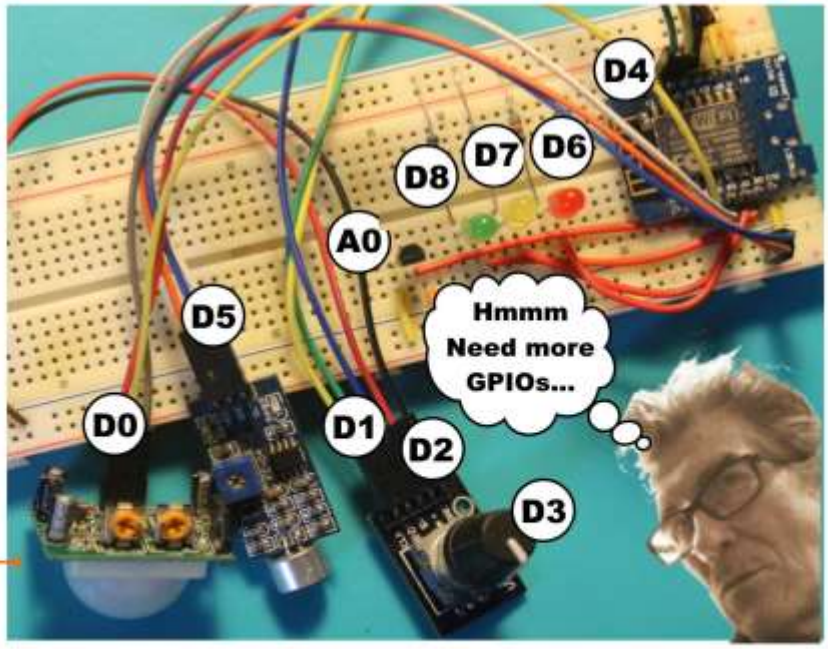
reboot

CAUTION

cmd/config/get
- cmd/config/get
- cmd/config/set
- cmd/echo/listen
- cmd/echo/rename
- cmd/factory
- cmd/help
- cmd/info
- cmd/mqtt
- cmd/ntp
- cmd/pin/cfg
- cmd/pin/choke
- cmd/pin/flash
- cmd/pin/get
- cmd/pin/pattern
- cmd/pin/pwm
- cmd/pin/set
- cmd/pin/stop
- cmd/reboot
- cmd/rename
- cmd/switch

Beauty and The Beast
Esparto v3.3.0.6

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
D3 D4 D2 D1 D6 D7 D5 D8 D0 AD



"the beast" - love the Arduino-color workmat!

 philbowles2012@gmail.com https://github.com/philbowles/esparto

Esparto v3.3

Web User Interface

The "Log" tab

You define what the on/off switch does

Title Pane

The Beast

Esparto v3.3.1.14

gpio number

GPIO Pane

"raw" state

"cooked" state

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

D3 D4 D2 D1 D6 D7 D5 D8 D0 AD

"arduino" digital number

Tabs menu

22:05:3 ! Up 00:00:40:26 Views 1

Status

MQTT OK NOT OK

ALEXA OK NOT OK

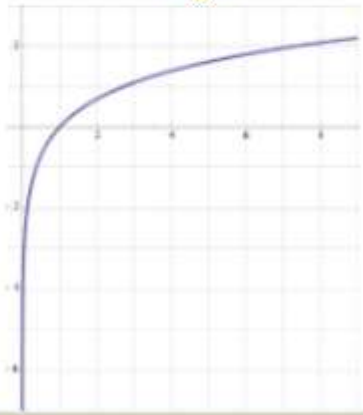
factory reset!

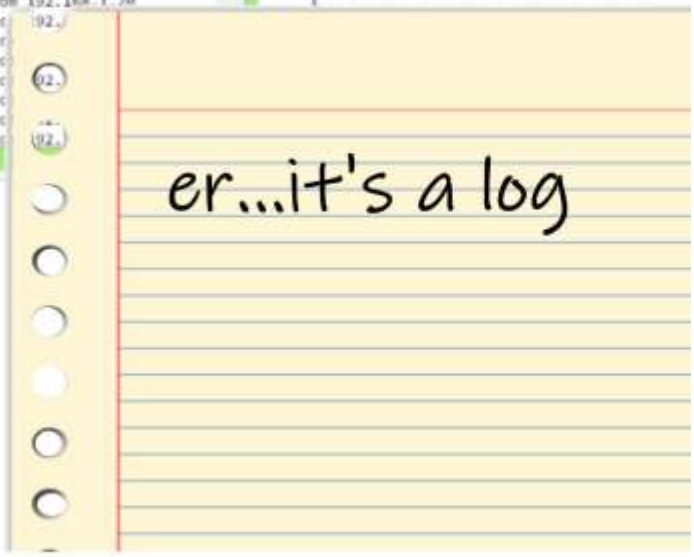
reboot

CAUTION

```
17/07/2019 22:05:07 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 22:05:06 SSE Client 3fff05fc n=2480165
17/07/2019 22:04:29 SSE Client 3fff4d54 n=2362859
17/07/2019 22:04:04 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 22:03:31 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 22:03:21 VOICE OFF
17/07/2019 22:03:04 VOICE ON
17/07/2019 22:02:55 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 22:02:54 BUTTON ON
17/07/2019 22:02:50 Web UI Default button OFF
17/07/2019 22:02:50 HTTP: /ajax/nike/ from 192.168.1.20
17/07/2019 22:02:23 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 22:02:12 Viewer 3fff5ecc now on logs
17/07/2019 22:02:12 HTTP: /ajax/logs/ from 192.168.1.20
17/07/2019 22:01:48 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 22:01:18 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 22:00:46 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 22:00:13 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:59:41 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:59:07 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:58:35 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:58:16 SSE Client 3fff3a44 n=1989918
17/07/2019 21:58:01 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:57:31 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:57:04 SSE Client 3fff3a44 n=1918517
17/07/2019 21:56:59 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:56:25 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:55:55 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:55:24 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:55:10 SSE Client 3fff2fdc n=1804364
17/07/2019 21:54:53 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:54:19 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:52:48 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:52:42 SSE Client 3fff3a0c n=1655879
17/07/2019 21:51:15 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:50:43 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:50:10 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:49:45 SSE Client 3fff4da4 n=1478649
17/07/2019 21:48:33 HTTP: /ajax/ping/ from 192.168.1.20
17/07/2019 21:48:02 HTTP: /ajax/ping/ fro
17/07/2019 21:47:40 SSE Client 3fff05fc r
17/07/2019 21:47:30 HTTP: /ajax/ping/ fro
17/07/2019 21:46:26 HTTP: /ajax/ping/ fro
17/07/2019 21:45:54 HTTP: /ajax/ping/ fro
17/07/2019 21:45:23 HTTP: /ajax/ping/ fro
17/07/2019 21:44:22 HTTP: /ajax/ping/ fro
```

it's a log

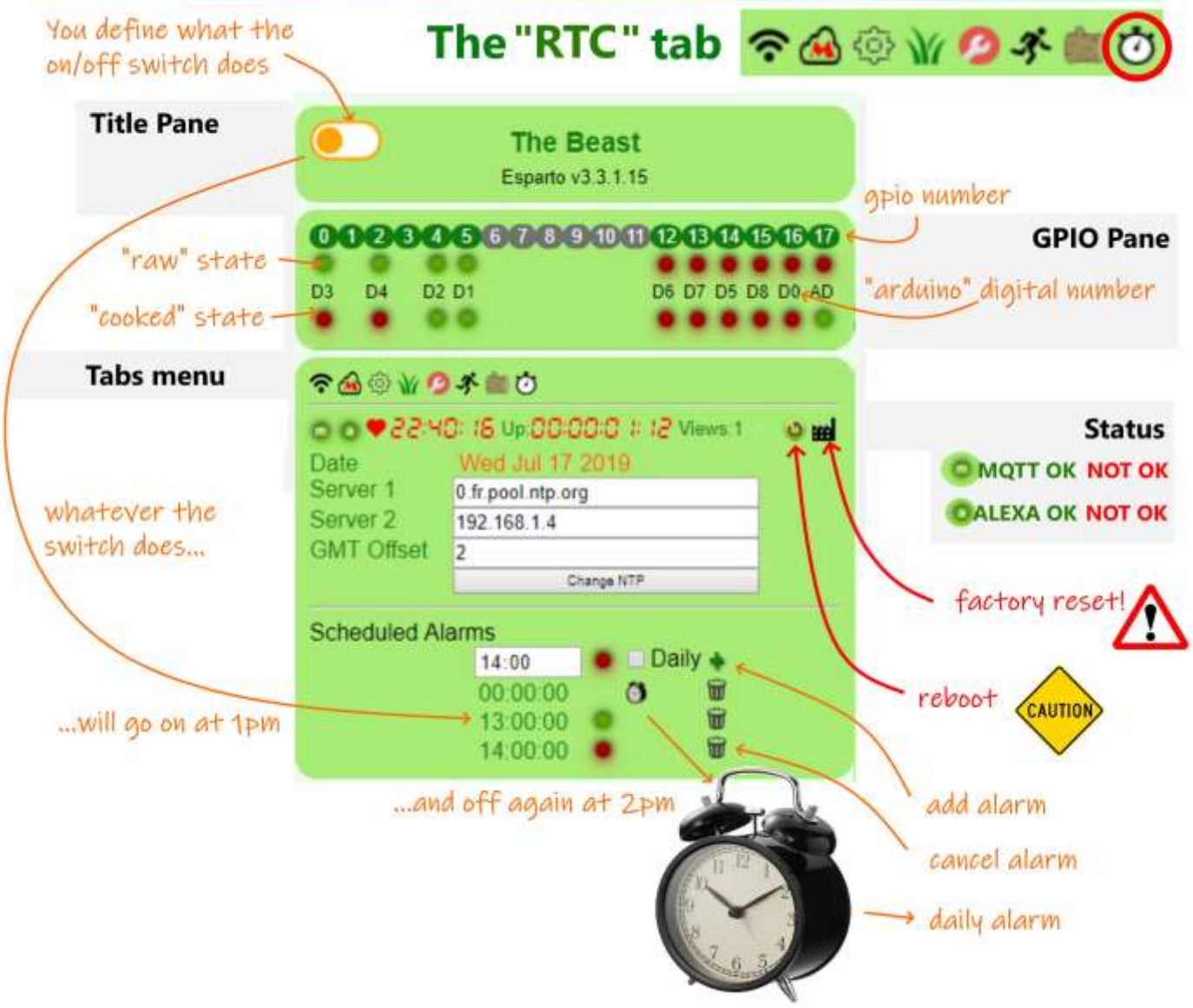




 philbowles2012@gmail.com https://github.com/philbowles/esparto

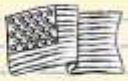
Esparto v3.3

Web User Interface



re-sync automatically with NTP server every 2 hours (configurable)

GMT offset can be -ve of course!



no 1/2hr or 45mins though yet, sorry

and

 philbowles2012@gmail.com https://github.com/philbowles/esparto