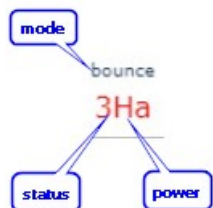# 1   Estim bot console

all information about the current configuration are in this pic :

1 : mode / power configuration / status of each unit

 mode : The mode of the 2B unit

status : the number is the unit number and the color give the status on the connection Red=disconnect, Green=connected, Yellow=sync in progress

Power : power mode of the 2B, Low High or Dynamic. The second letter indicate the power map A,B,C

2 : channels status

 channel : A or B
usage : where is the electrodes
current : current level on the channel
max level : max level on the channel when software ramp is used

the different color in the gauge give an indicate for the felling :
    gray : no felling
    green : start to fell the effect
    yellow : comfortable zone
    red : uncomfortable zone

3 : waveform configuration

 Setting : depend of the unit mode, it have a impact on the waveform
current : current value for the setting
max value : max value for the setting when software ramp is active

current and delta : current value for the setting and the delta between max and min when software ramp is active

4 : software ramp settings

cycle
Wave
120s indicate the duration of the ramp and the mode : ramp or wave (ramp go from min to max and restart from min , in wave mode ramp go from min to max and after from max to min)

5 : Unit timers

2B ramp   wrap
speed   timer
x1   x1

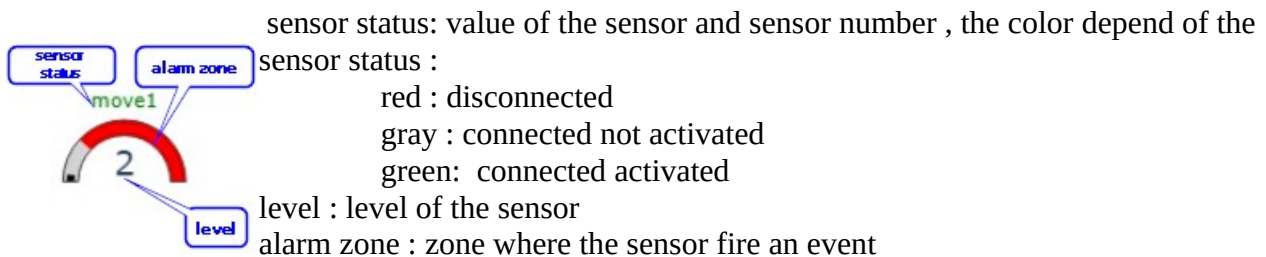the 2 values change some internal timers of the unit and the impact is dependent of the mode

6: queued
Number of event who are waiting inside queue for apply

7: run
Number of event who are currently running (permanent event are not counted)

8: sensors

sensor status: value of the sensor and sensor number , the color depend of the sensor status :

    red : disconnected
    gray : connected not activated
    green: connected activated
level : level of the sensor
alarm zone : zone where the sensor fire an event

2   Emergency stop

The command /stop stop queue processing and set all channels level to zero

3   Access commands

The permission at bot level are managed by discord account name with an admin list, several command are available :

/security list : list all accounts who are admin

/security lock : disable all commands to reduce the difficulty for the wearer

/security unlock : enable all commands to reduce the difficulty for the wearer (default settings)

/security holder [add|remove] [discord account] add or remove an discord account to the admin list

4   Level settings

Each channel have is level setting

/level [usage] [operation] [value] [max_value] : adjust level for the channel associated to one usage

> usage : name of channel usage like it is display on the pic

> operation : how the value is changed (see for available operation)

> value : value used for the operation

> max_value : is used the value used for the operation will be randomize between value and max_value

5   Unit settings

Each unit have some proper settings for the waveform and the power management

/unit mode [unit] [setting] [operation] [value] [max_value] : adjust settings for the waveform

> unit : unit number from 1 to 3

> setting : name of setting, available setting depend on the mode

> operation : how the value is changed (see for available operation)

> value : value used for the operation

> max_value : is used the value used for the operation will be randomize between value and max_value

/unit timer [units] [setting] : change some special special about 2B internal timer

> units : list of units concerned

> setting : new value for the timer

/unit power [unit] [setting] : change power settings of the unit (power level, power map, power bias)

> units : list of units concerned

> setting : new power setting

6   Software ramp

The bot can manage some ramp itself on channel A and B but also on the 2 adjustable settings for the waveform. The duration of the ramp cycle is fixed by unit, and it can be just ramp (min→max and restart from min) or wave (min→ max and after max→ min)

For each channel/setting you can set :

- the percentage of max for the min of ramp from 100% (no ramp) to 0% (start from 0)
- the phase angle, for example if you set ch A with 0° and ch B with 180° then the max of ch A will be reach when ch B is at min

the available commands are :

/ramp level [unit] [Channel/settings] [% of max] [phase] : adjust individual settings in unit

      unit : unit number from 1 to 3

      channel/settings: can be channel A or B or settings 1 or 2 (the usage depend of the mode)

      % of max : set the min value, if you set 50% the ramp will run between ½ of max level and max level. The value 100 disable the ramp

      phase: phase angle for having a different timing when max is reach from 0 to 359

/ramp settings [unit] [enable] [wave] [duration] : global settings for the unit

      unit : unit number from 1 to 3

      enable : on/off for enable ramp on the unit

      wave : on/off enable the wave mode (ramp mode if off)

      duration : duration in second for one cycle (10 sec to 10 min)

7   Sensors

The bot manage the connection to some motion / position and sound sensors via Bluetooth, each value from sensors have is proper settings.

Each measure have 3 settings :

      level : it is threshold for trigger alarm

      on : is is number of time where level is in alarm zone before start an event

      off : is is number of time after an event before restart polling

Commands are

/sensors alarm [measure] [status] [delay] : *enable*/disable alarm for one sensor

      measure : can be position1 / position2 / move1 / move2 / sound

      status : enable / disable

      delay : delay in second before the command will be effective (from 0 to 60 sec)

/sensors set [setting] [measure] [value] : return the configuration of all sensors

      setting : can be level/on/off

      measure : can be position1 / position2 / move1 / move2 / sound

value : value of the setting from 1 to 50

/sensors display : return the configuration of all sensors

```
--- Sensors configuration ---
 --- motion1  alarm enable:True
move threshold:12 start delay:1 restart delay:5
position threshold:45 start delay:1 restart delay:5
 --- motion2  alarm enable:False
move threshold:12 start delay:1 restart delay:5
position threshold:45 start delay:1 restart delay:5
 --- sound  alarm enable:False
sound threshold:45 start delay:5 restart delay:10
```

8   Event

The bot can execute one action when one condition is trigged, it is called 'event' . The possible conditions are :

- Bluetooth sensors when the threshold is reached, there are 3 events : move , position and sound
- Emlalock / chaster vote , add and sub can have some different event
- Emlalock / chaster pillory
- Emlalock (game and ending) / chaster wheel of fortune with the keyword WOF_x where x if from 0 to 9
- Chaster taskvote (real time) with the keyword WOF_x where x if from 0 to 9
- Emlalock friend link , add and sub can have some different event
- Emlalock requirement link , add and sub can have some different event
- Emlalock show duration

The action of the event can be :

- change level of one or many channel with absolute / relative / random value
- apply a new configuration to all units
- increase max time for the lock
- add requirement link on Emlalock session

When an event is triggered it is added to a queue, there are many possibility priorities :

- The action is apply immediately for a fixed duration

- The action is apply immediately until the end

- The action is apply in queue order for a fixed duration

- The action is apply in queue order until the end

/event list : list event associated for each condition

```
existant:
/adj_mode
/adv_level
/adv_power
/adv_timer
/backup
/emlalock
/event_duration
/event_level
/event_profile
/event_requirement
/restore
/queuing
/ramp level
/ramp settings
/level
/list
/stop
/sensor_enable
/help
/holder
/lock
/mode
/profile
/sensor_set
/sensors_cfg
/status
/unlock
/usage
```