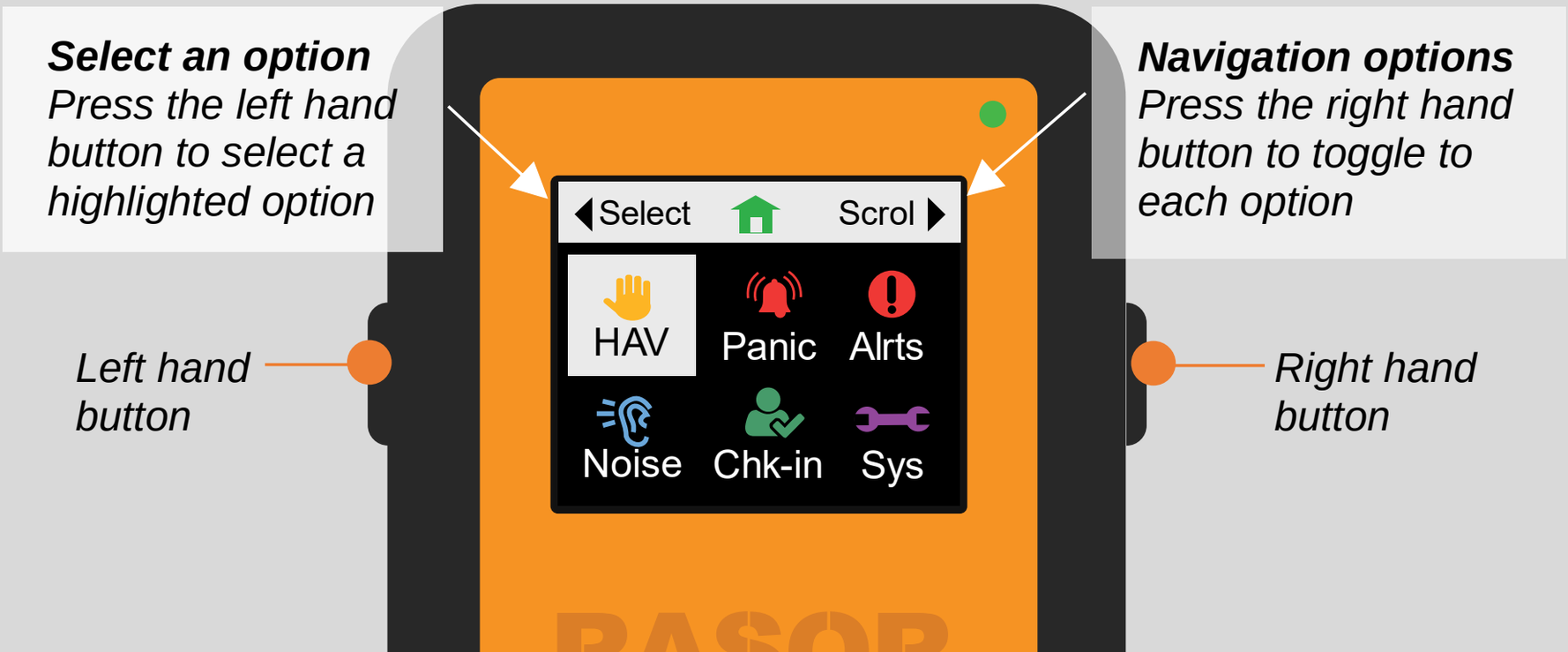
RASOR

Operator pocket guide

Overview

RASOR gathers data from HAVwear and other third-party sensors when within a 30m range and can be used to provide a single interface for sensor alerts plus lone worker support including man down detection, panic button and check-in/out features and alarms.



Sign out a device

RASOR can be attached to a belt using the belt clip or attached using a lanyard. For the most effective detection of Man Down RASOR should be clipped into a pocket in the chest area of the user.

Remove the RASOR from the charger and the screen will display the need to assign the RASOR to a user by pressing the right hand button.

The screen displays an instruction to place a valid ID card onto the screen area. Once placed, remove the ID card when a beep sounds to confirm the RASOR has been assigned.

After assignment the screen will display the users first name and the option to select the button to view the main menu.

Main menu options

Guide to each RASOR feature explaining how to use them.

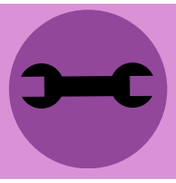
HAV
View personal and/or assigned colleague sensor data

Noise
View personal and/or assigned colleague sensor data

Panic
View personal and/or assigned colleague sensor data

Alerts
View & confirm personal and/or assigned colleague alerts & alarms

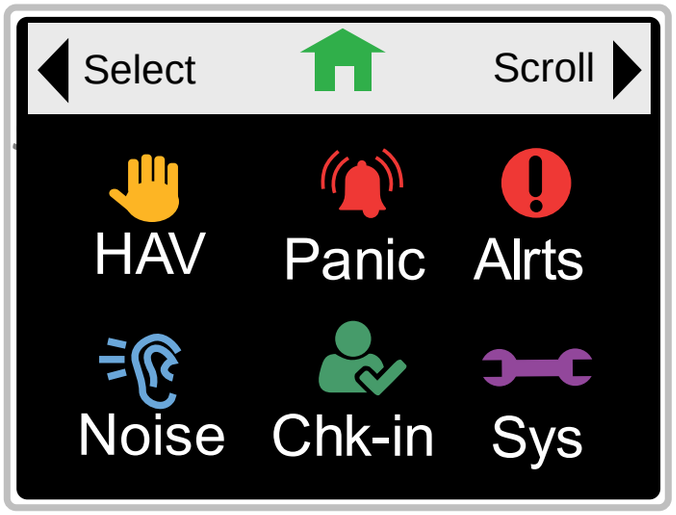
Check-in/out
Pre-defined periodic safety check-in



System
Check device status

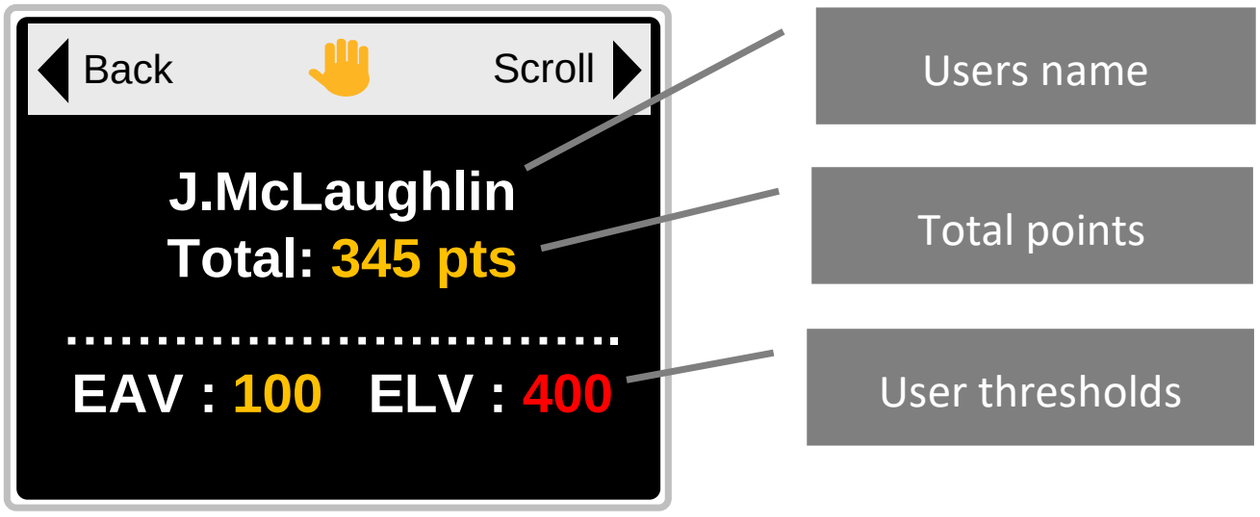
Hand-Arm Vibration – View Live Data

*Scroll to **HAV** then press Select*



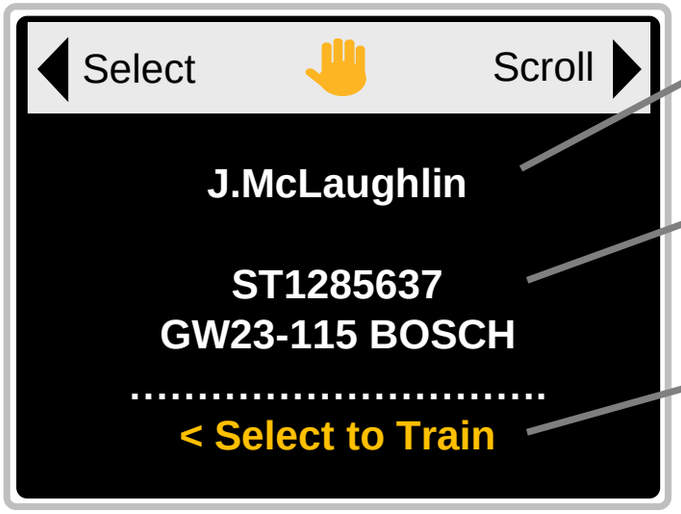
*To view daily HAV data select **Data***

Displays user personal exposure data



Hand-Arm Vibration – Tool Training

*Selecting the **Train** option will display user and tool details.*
*To begin a training session, **Select** the **Select to Train** option.*

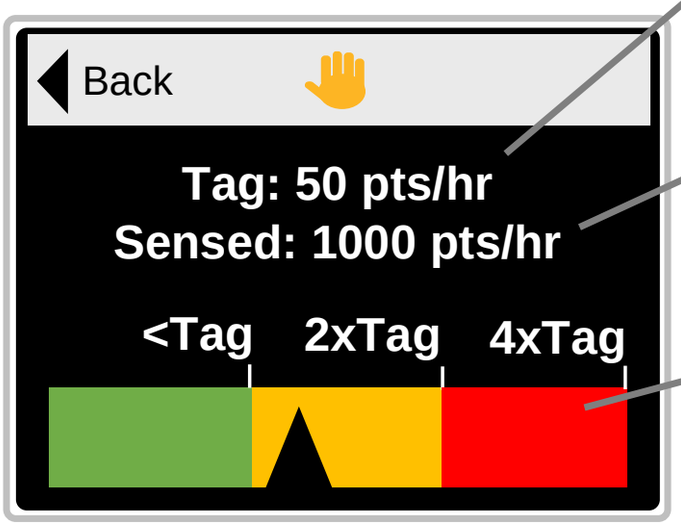


Users name

Tool ID & name

Press **Select** to begin training

The screen displays exposure points and variation of vibration



Tag vibration magnitude – exposure points per hour

Live sensed vibration – exposure points per hour

Gauge graph displays live sensed vibration relative to the tag vibration

Noise – Device Serial Numbers

To assist in the assigment process of the noise monitors, it's helpful to know the serial numbers of the devices prior to assigning them.

Cirrus: *To check the serial number for a Cirrus doseBadge see the label on the back*

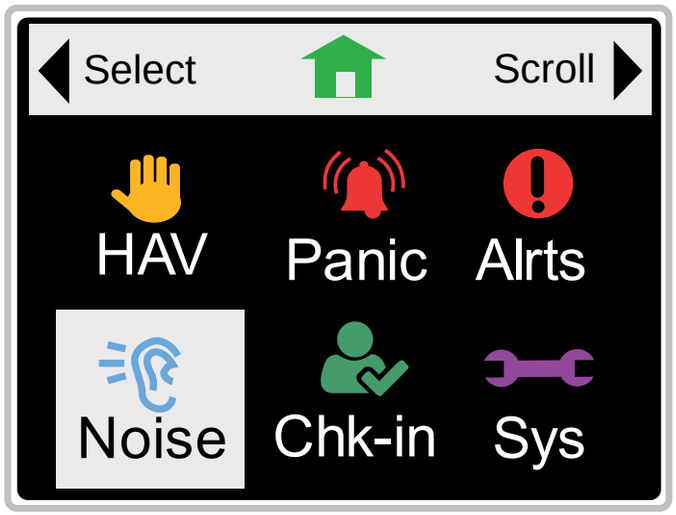
Pambry: *To check the serial number for a Pambry, Press both buttons at the same time then the LH button to scroll to Info. To return to Home screen, press both arrow buttons twice*

Noise – Assign to an Individual

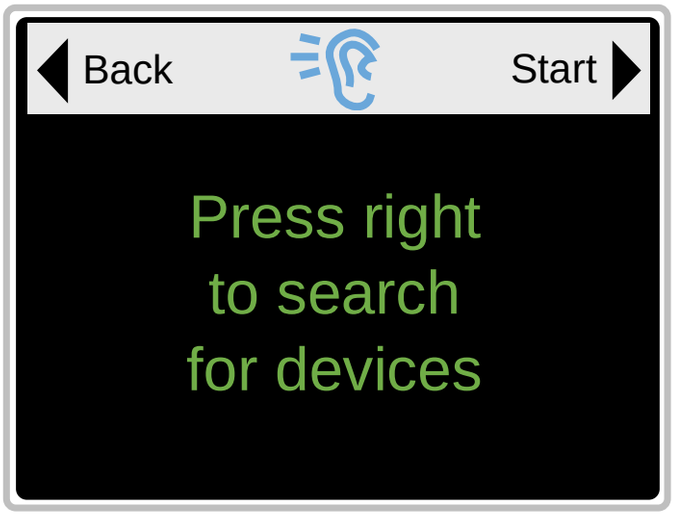
Assigning a Dosebadge to an individual

The noise menu is used to access data from an already assigned RASOR and to assign a noise dosemeter to an **individual.** Reactec support two types of Dosebadge; Cirrus doseBadge5 and a Pambry PED0828.

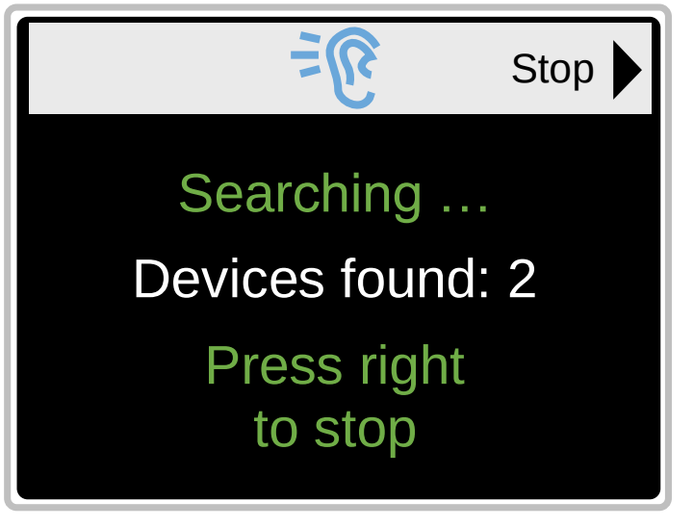
*Scroll to **Noise** then press Select*



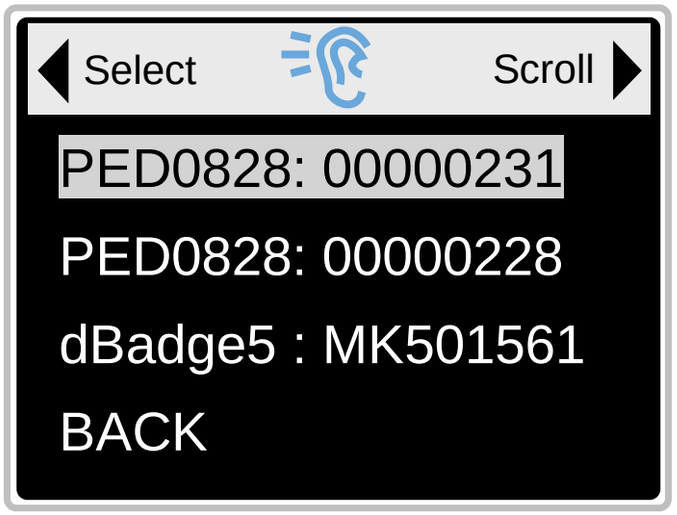
Press Start to scan for dosebadges



Press Stop when dosebadges found



Scroll to highlight and Select required Cirrus or doseBadge



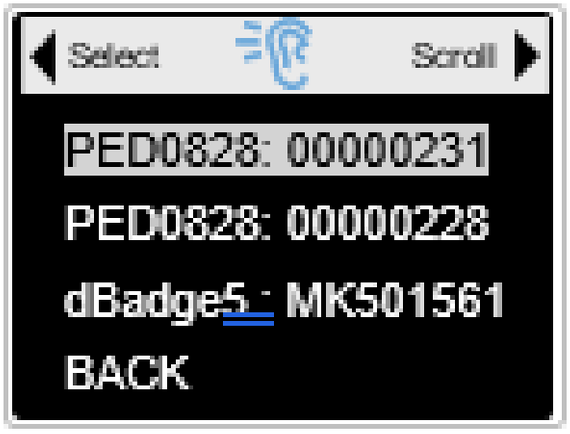
Noise – Assign to Multiple Workers

Assigning a Dosebadge to more than one worker

The RASOR should be configured for **hub mode** and held in a powered Dual Charger. *(See Software Admin Guide for more details).*

*If the screen is blank, press either the LH or RH button on the RASOR to wake it up. Press the RH button, then the **LH button to assign.** RASOR will **scan** for nearby Dosebadges. Press **RH button** when you see the required number of devices have been found.*

*Press the **LH button** to select the device to be assigned. Present an **Operator ID card** to the RASOR screen, the device is now assigned to the Operator. To assign multiple devices, repeat the process.*



Noise - Notes

Note: After selecting a dosebadge on RASOR the dosebadge will flash an LED. Cirrus solid Blue, Pambry flashing purple. This means RASOR and the dosebadge are paired. While paired the dosebadge is always on and measuring noise.

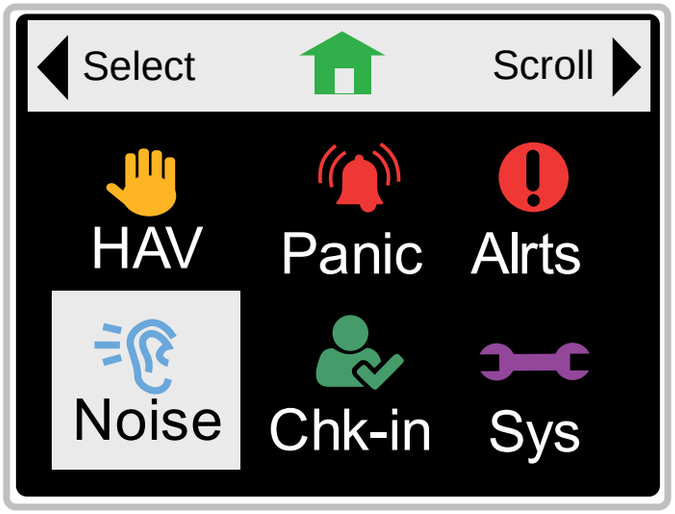
Provision for the use of Ear Defenders:

The PED0828 includes the ability to adjust the reported noise level for any hearing protection to be worn by the operator. When a PED0828 is assigned to an operator using a RASOR, access to this and other functionality is locked out. **This functionality can be controlled through the Reactec Analytics and RASOR**. An administrator can add to each operator's details, the Single Number Rating (SNR) noise reduction effect of any ear defenders allocated to the operator. The SNR value will be downloaded to RASOR and used to program the PED0828. The SNR value will be added to data file and live noise data messages sent by RASOR to the Reactec Analytics and will be included on noise reports. (***For more information refer to the Software Administration Guide.)***

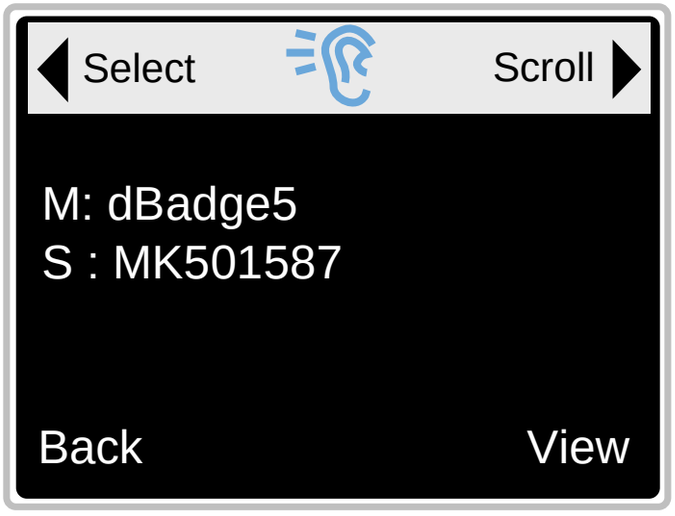
Noise – View Live Data

How to view live measurement data

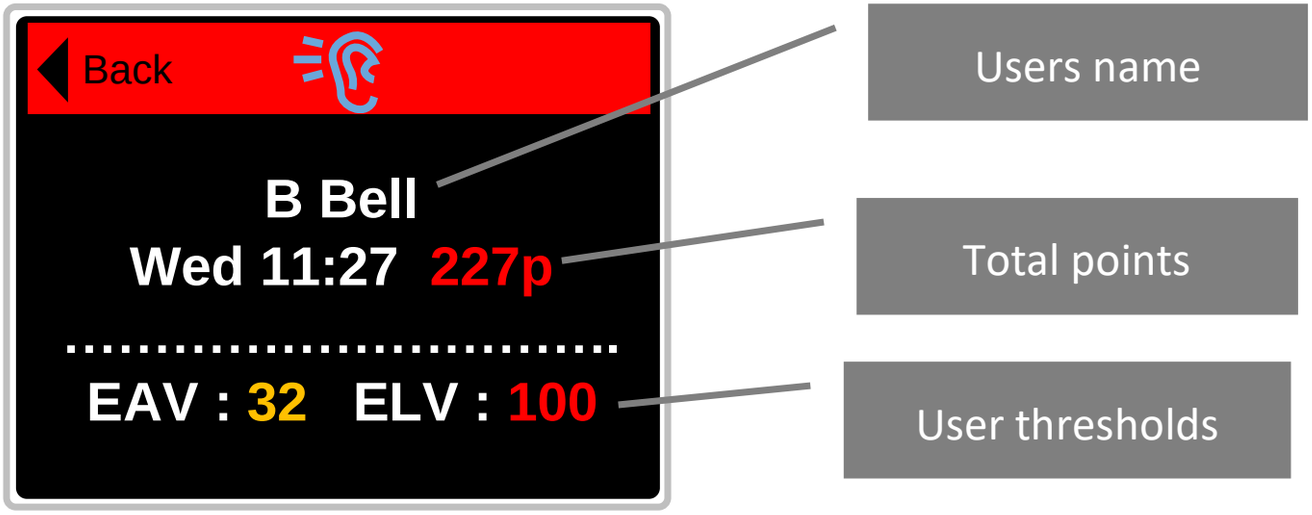
Scroll to ***Noise*** *then press Select*



*Press Select to **View** data*



Screen displays data

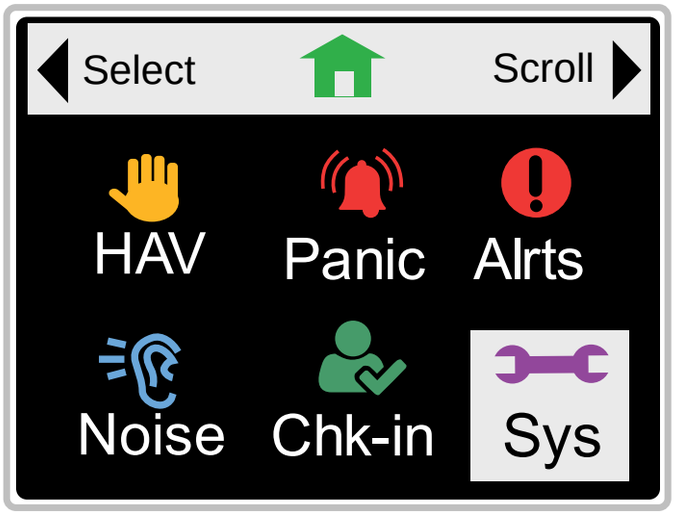


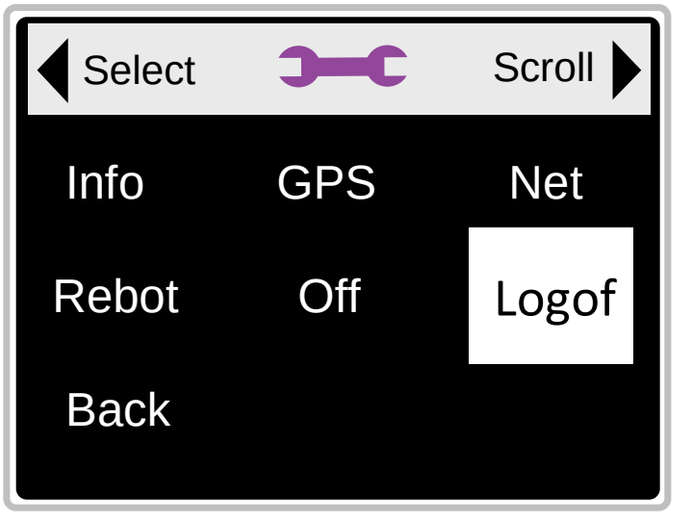
Noise – Deallocate (Individual)

How to remove an assigned dosebadge for an individual

At the end of the working day the RASOR and dosebadge should be returned to a charger. When the RASOR is logged off, the end of day file is collected from the dosebadge and it is unpaired.

From the main menu, enter the Sys menu and select Logoff





Noise – Deallocate (Multiple)

How to remove an assigned dosebadge

The operator ID card which was used to assign the DoseBadge to a specific worker will be required to de-allocate the dosebadge from that worker. The dosebadge needs to be in close proximity to the same RASOR which assigned it.

Press RH button to access Sys admin and select LogOf

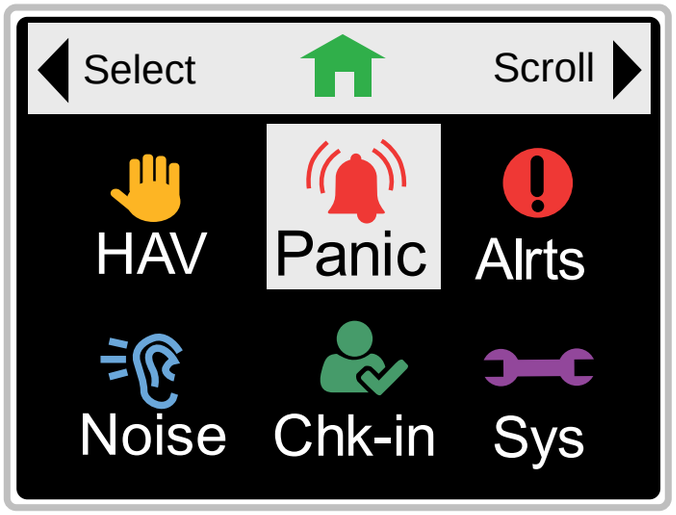
Present the Operator ID card on the RSOR screen

If the card for the assigned Operator is placed on the screen and the assigned dosebadge is within detection distance of the RASOR, the RASOR will display a logged out message and the Pambry dosebadge will display a 'Saving Report' message

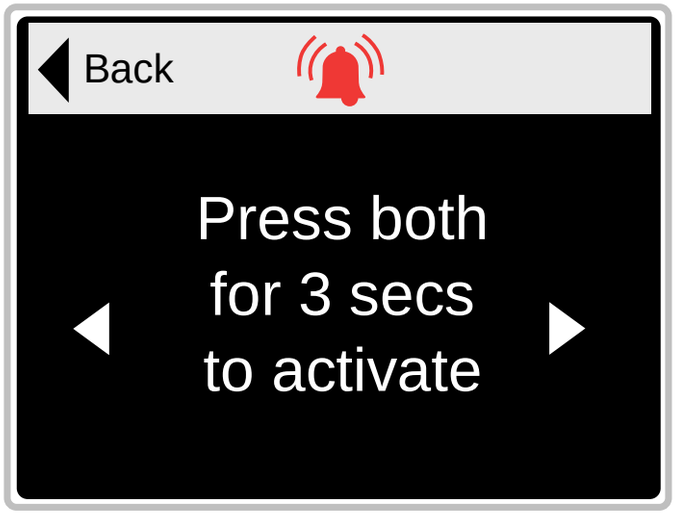
Panic

How to initiate and cancel a Panic alarm

*Scroll to **Panic** then press Select*



Press and hold both buttons for 3 seconds



The screen will count down the 3 seconds during which contact on only 1 button is necessary to confirm.

After 3 seconds the screen notifies a PANIC has been raised and instructs how to cancel the PANIC if it was unintended.

Panic

The screen again counts down the ability to cancel in 3 seconds

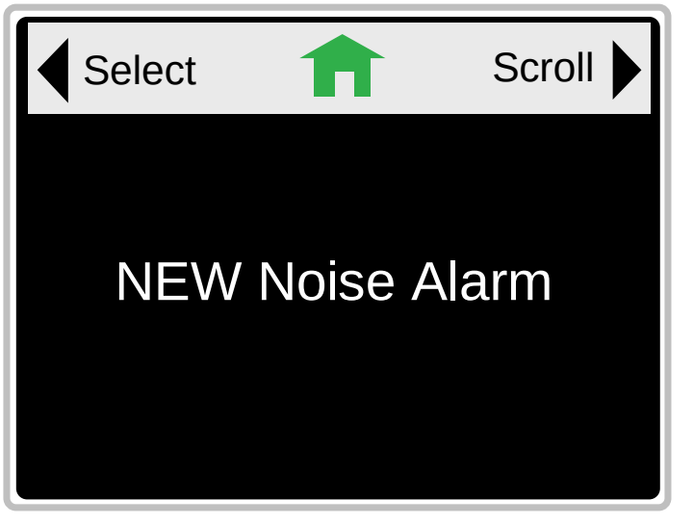
When both buttons are pressed the **Panic** alarm is confirmed as cancelled

Alerts & Alarms

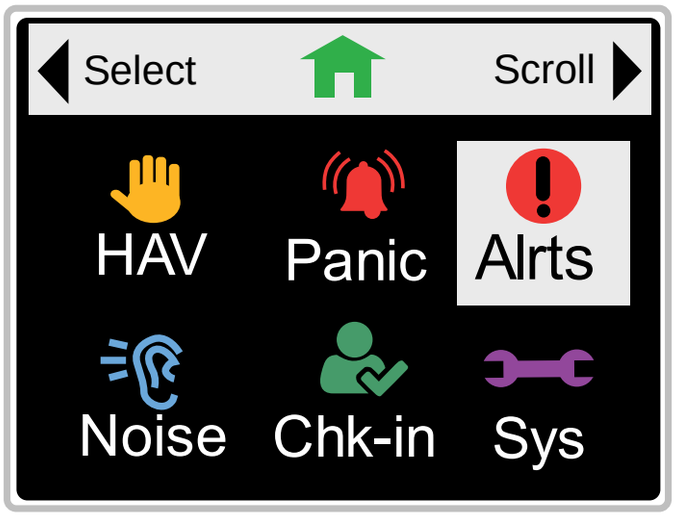
How to view and manage alerts

Data from any HAVwear or other sensors (within approximately a 30m radius) which have reached an Alert or Alarm level can be viewed on a RASOR. Scroll right to view Alerts/Alarms. For any Alert or Alarm there is an option to press the left-hand button to confirm the Alert/Alarm. If an Alert/Alarm is confirmed on a RASOR, the Reactec Analytics receives a message notifying remote management that the incident has been recognised by the RASOR user.

When a RASOR detects an ALARM from a nearby sensor, the RASOR will emit a long buzz and indicate the type of ALARM detected



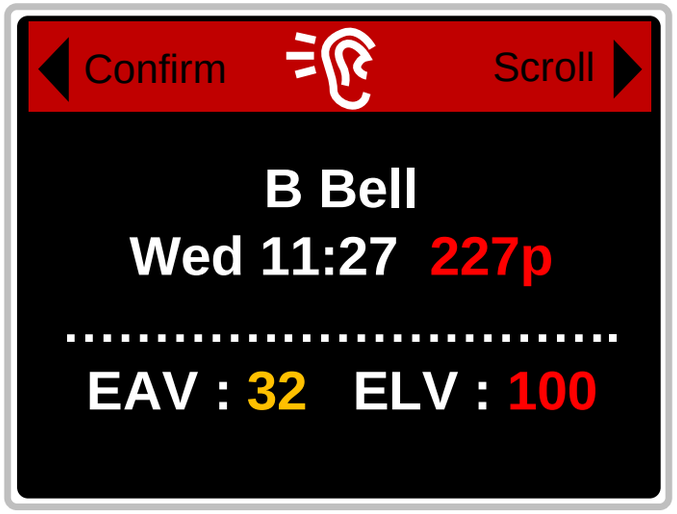
*To review all Alerts and Alarms within the day **Select** Alrts*



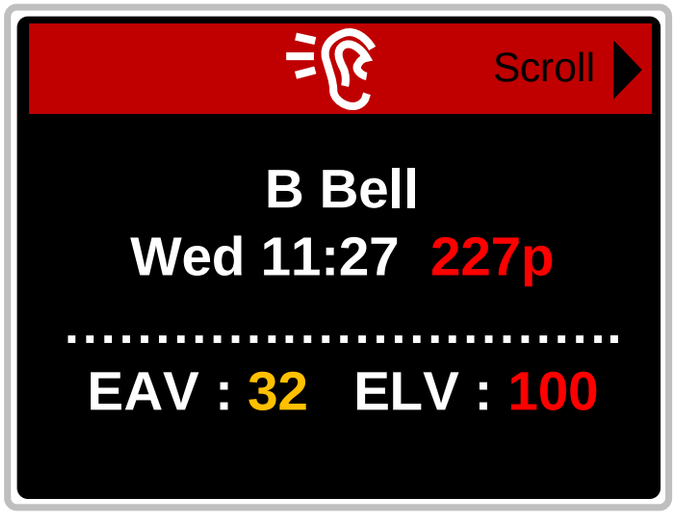
Alerts & Alarms

Noise Alarm

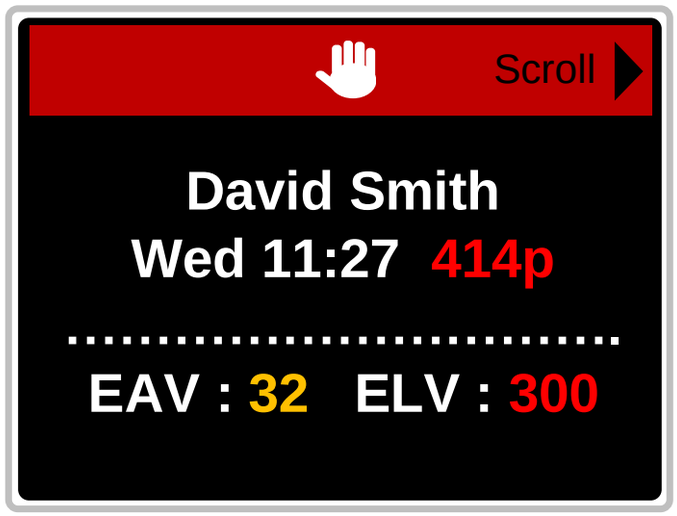
Note: repetitive Alarms will be raised for individual sensors if the increase in risk is material.



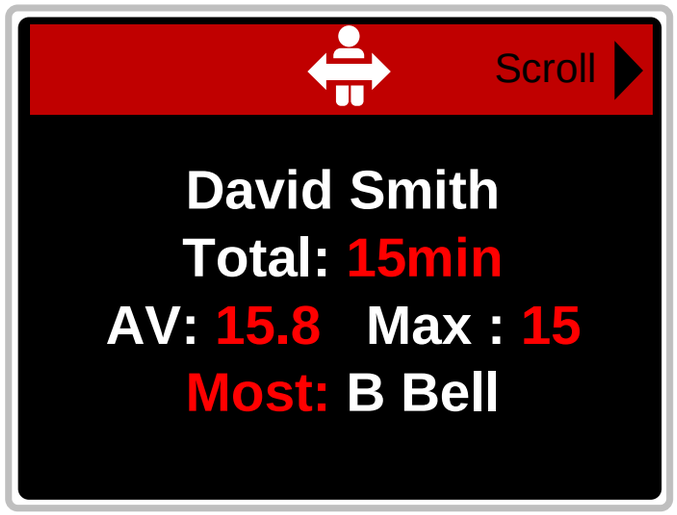
*Selecting **Confirm** will Confirm the Noise Alarm and the menu option is removed*



HAV Alarm confirmation



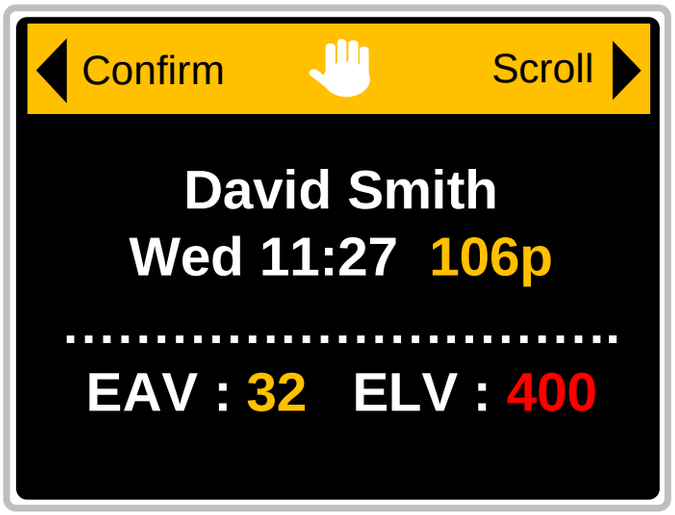
Social Distance Alarm confirmation



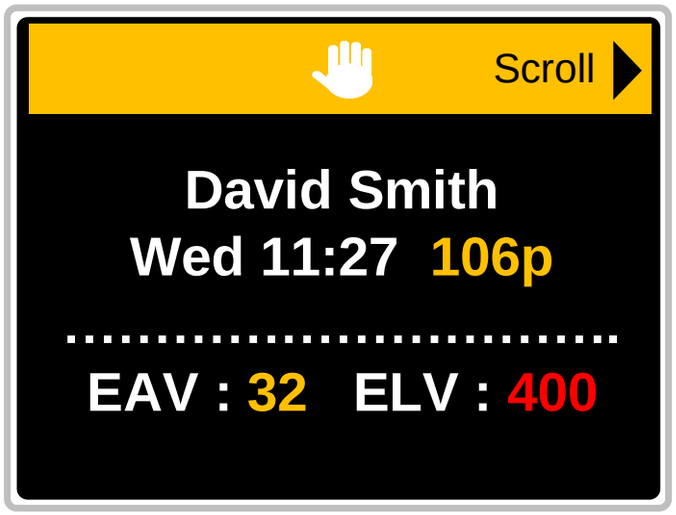
Alerts & Alarms

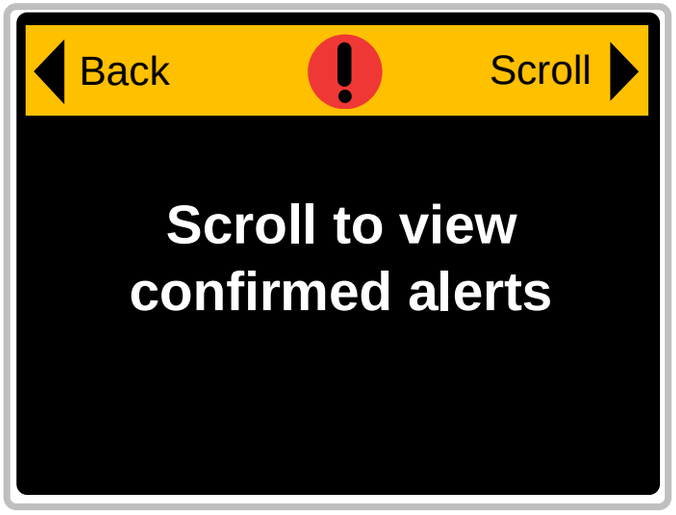
HAV Alert

View HAV Alert



Confirmed HAV Alert



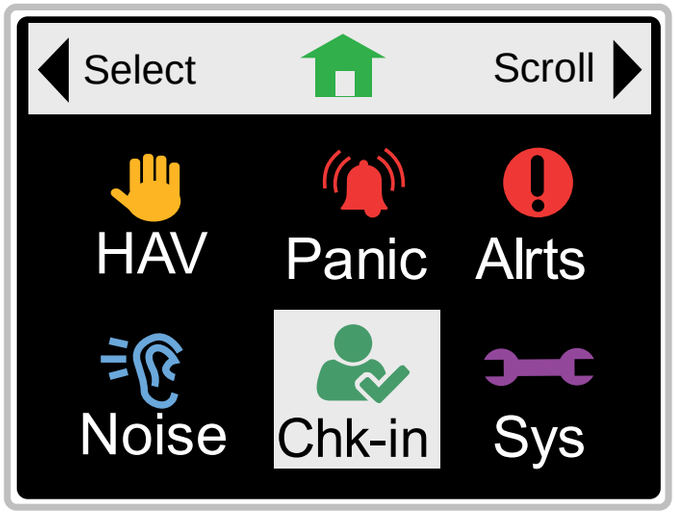


*When all Alerts or Alarms have been confirmed the **Alrts** menu will display the following*

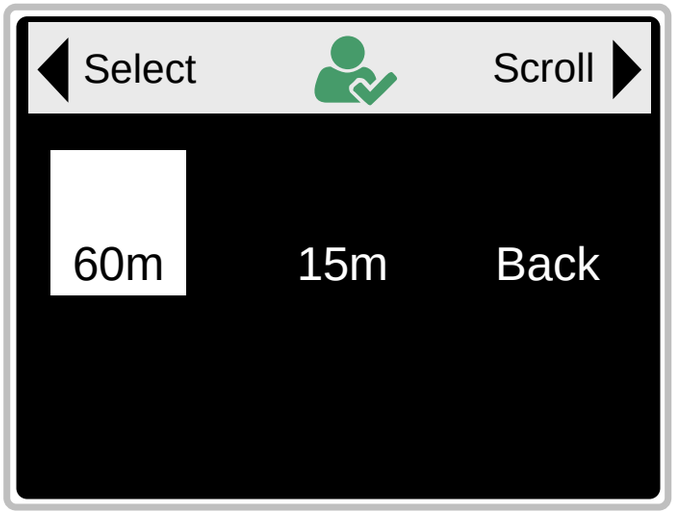
Check-in/Check-out

How to Check-in and out and manage alarms

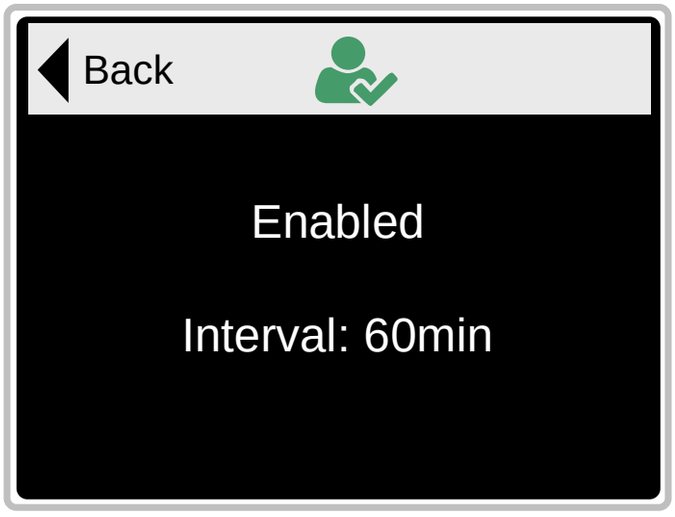
*Scroll to **Chk-in** then press Select*



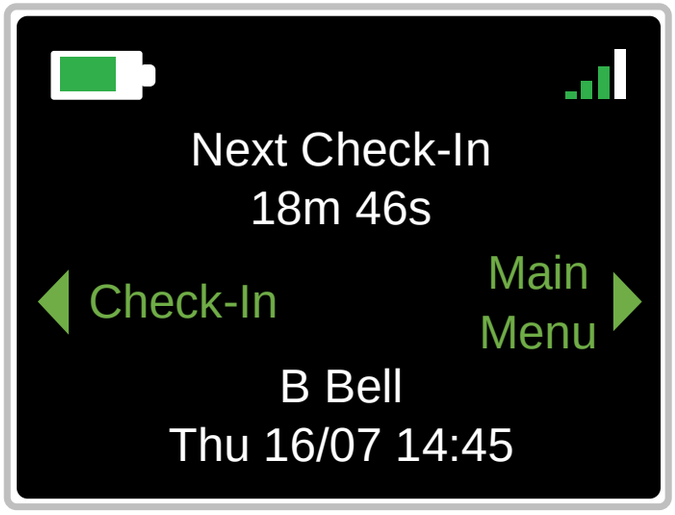
Choose the period required to check-in. Failure to check-in results in an Alarm being sent to the Reactec Analytics.



Confirmation of Check-in period



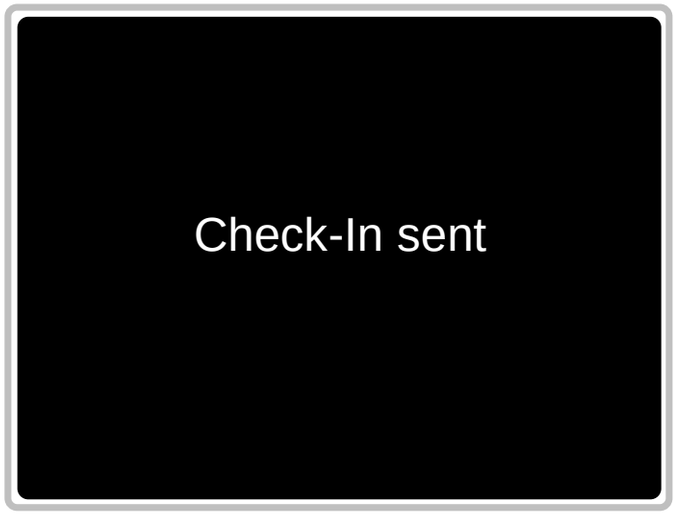
*Home screen now displays period left before next Check-in. Select **Check-In** to re-start the Check-in at any time.*



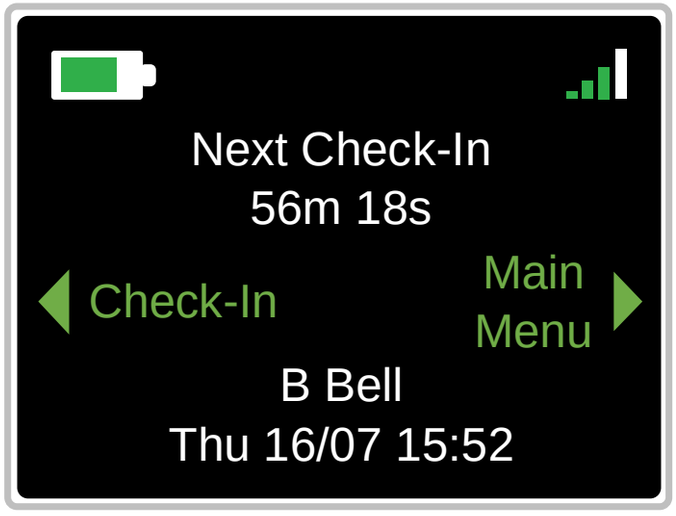
Check-in/Check-out

Screen confirms Check-In

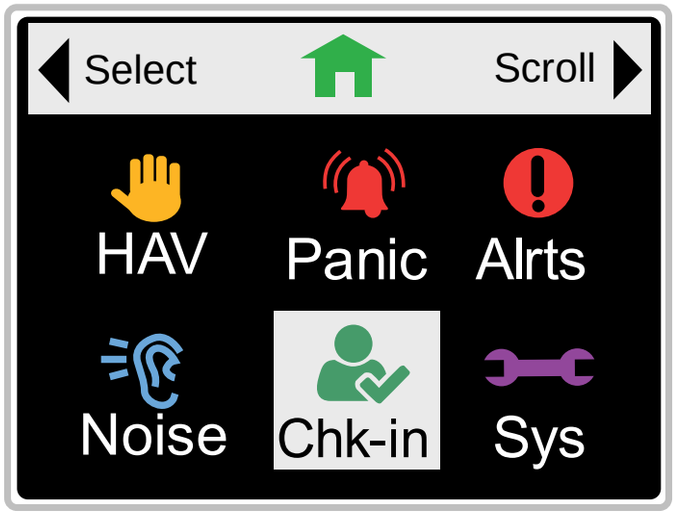
Screen confirms Check-In has been sent



A second check in period starts of the same length as that initially selected. To stop the Check-in function, select ***Main Menu.***

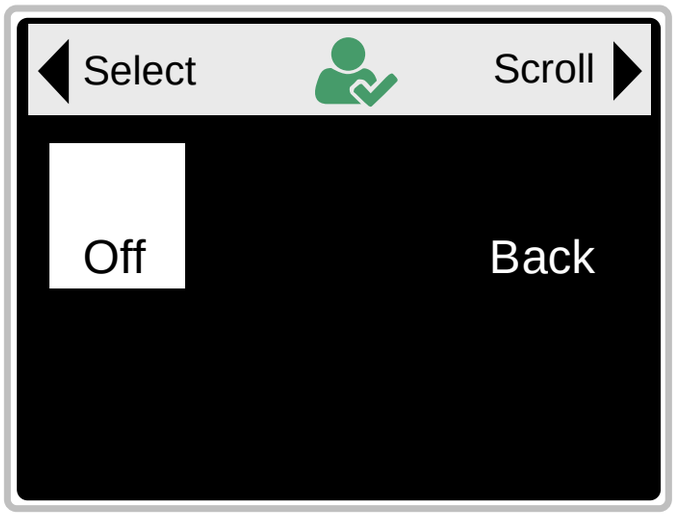


In the main menu select ***Chk in***

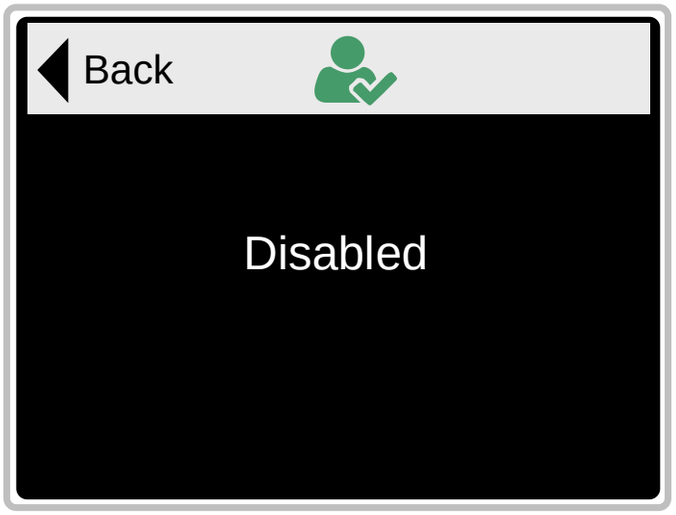


Check-in/Check-out

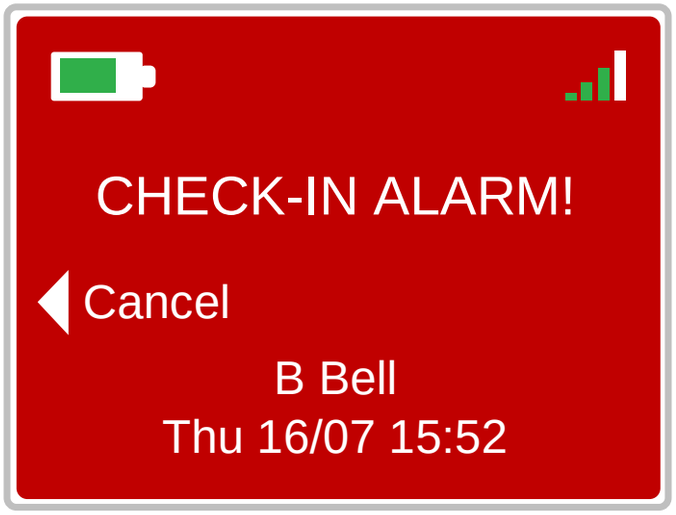
*Select **Off***



Screen confirms Check-in is disabled



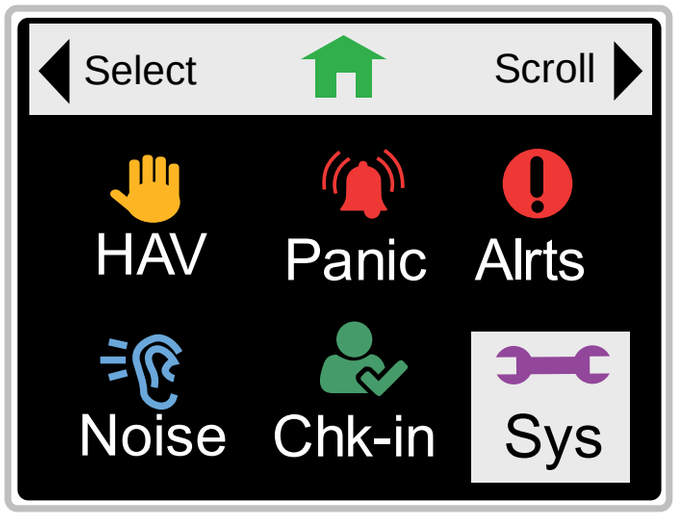
*Failure to check in within a selected time period will result in a Check-in alarm being raised within the Reactec Analytics (provided a mobile phone signal is available). Select **cancel** at any time if helps not needed. Cancelling the alarm returns the device to the start of a new check in period.*



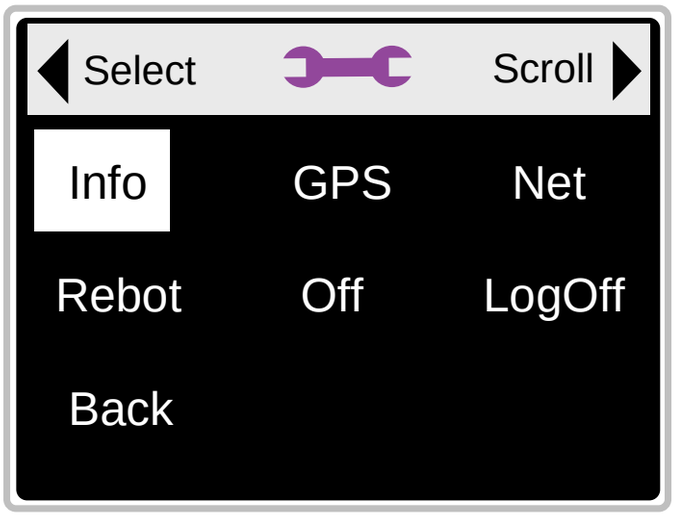
System Admin

The System menu is predominantly for trouble shooting purposes and seldom required, except to log out from a RASOR to re-assign it to another colleague

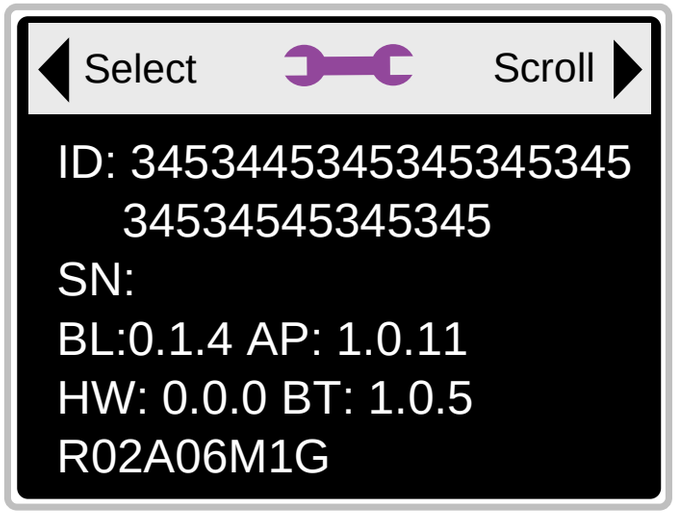
*Scroll to **Sys** then press Select*



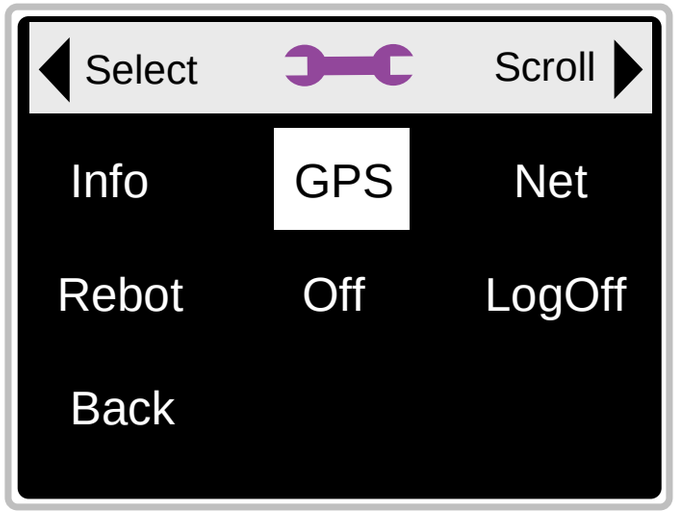
Select info menu to view device ID and firmware version



Screen displays device ID and firmware version

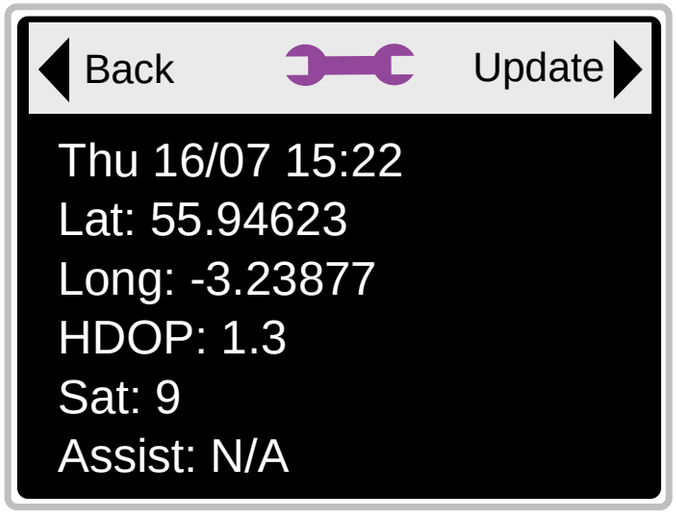


GPS provides ordinance survey coordinates of your current location

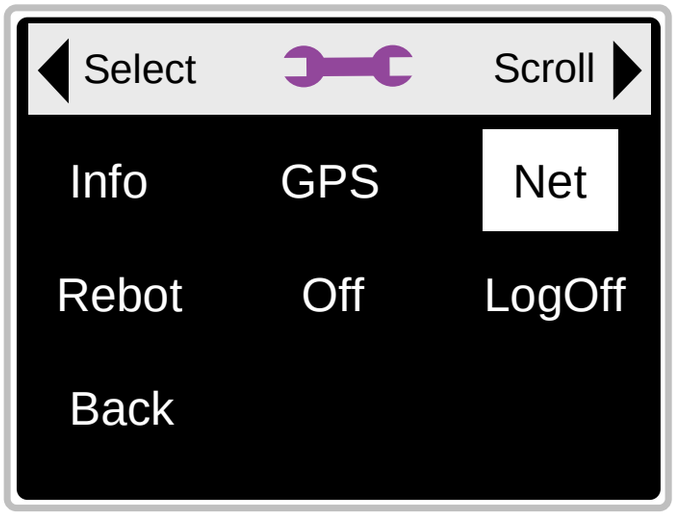


System Admin

Screen displays GPS details

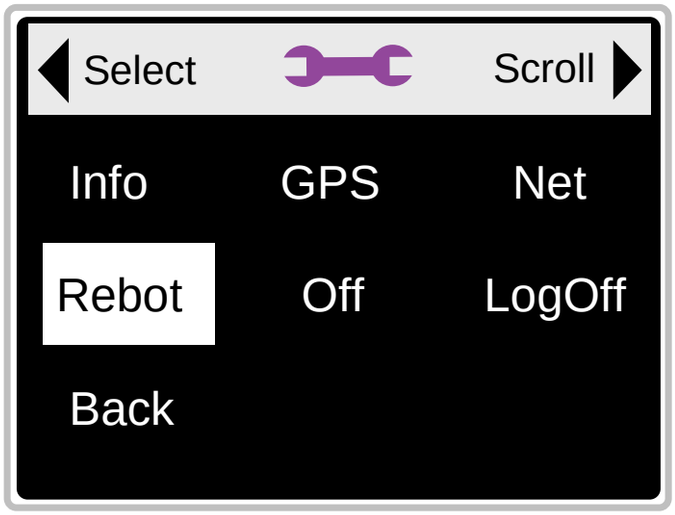


***Net** provides details of the mobile provider the device is connected to*



The rebot menu should only be used if instructed by Reactec to reboot a RASOR returning it to an unassigned state or to update firmware

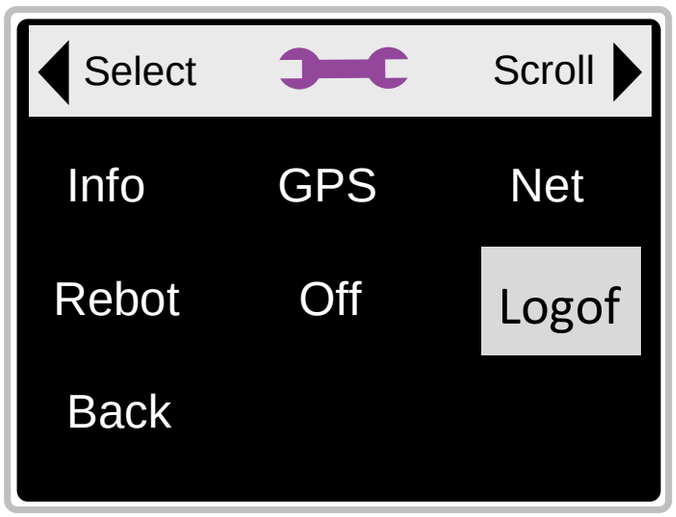
Screen displays mobile provider details



System Admin

The Logoff menu should only be used if you are no longer required to have the RASOR assigned to you and is to be assigned to another RASOR user.

You will be offered the ability to log out immediately when returned to a dual charger by pressing the left select button. You are automatically logged off from a RASOR when it is returned to a dual charger and is not removed from the charger for 4 hours.



Reactec

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