

# CentriClean App Help

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# Introduction

The CentriClean app communicates via a Bluetooth low energy link to the IOW series of next generation of centrifugal oil separators.

The app displays the separators speed, displays alarms, logs data and allows the user to adjust alarm levels and other parameters.

It is compatible with both Apple and Android phones and tablets

Communications with the separator is through a small interface unit wired to the separator which is powered by the engine's 12/24v battery.



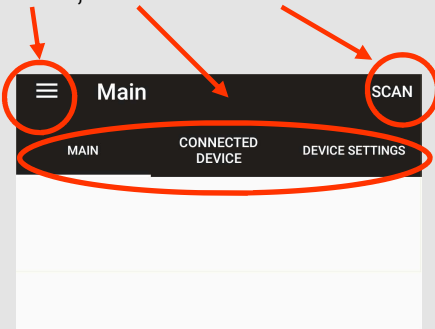
This unit monitors the separators condition and contains a push button to set the operational speed and several LED's to display the status.

The maintenance section of the app reads the separators serial number and allows the user access to the latest service manual and order any consumables or spare parts.

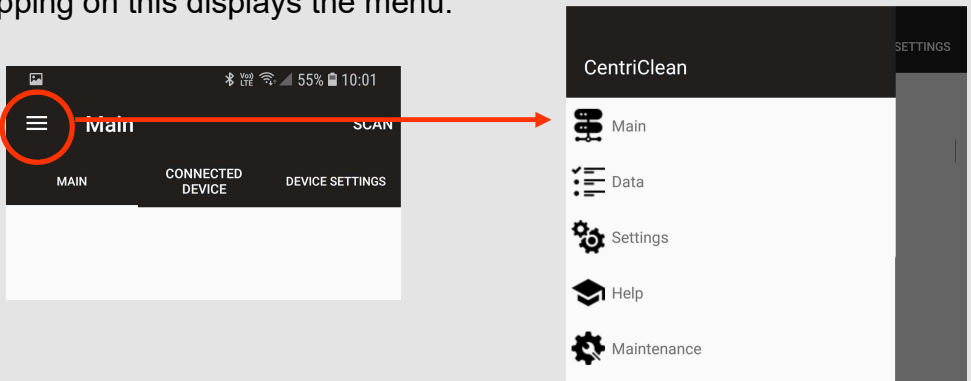
Data from the separator can be shared via email to allow data logging and engine history logs to be maintained as required.

# App Overview

All the available functions are accessed through :  
Menus, Tabs or Toolbars.



The main menu is available in the top left corner of the screen and tapping on this displays the menu.

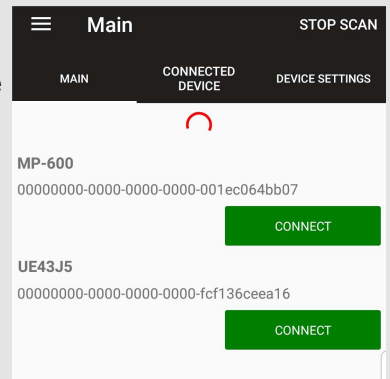


Tapping the “Main” item always returns the app to the Home screen which contains the 3 tabs.

The “Main” tab will “Scan” for nearby Blue-tooth devices and display the list.

A connection is only possible if the device is a suitable separator.

During scanning a red indicator is visible.



## Connected Device Tab

When a device is connected the data arrives within 5 seconds and it shows

1. The current speed in Rpm below
2. The alarm speed
3. Hours remaining until it requires a timed service
4. The Status as a visible colour  
(Green - OK, Yellow - Warning, Red - Alarm)

If the unit is in alarm it must be serviced as described in the manual.

Text input boxes allow the operator to enter notes and save the data to a database for the particular separator or share the data (via email).

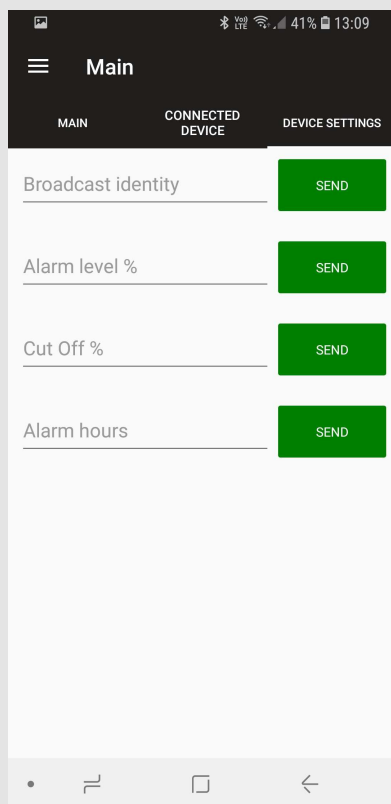
The manual for the device can also be downloaded from this screen.

An option here is to disconnect the Bluetooth link if required.

## Device Settings Tab

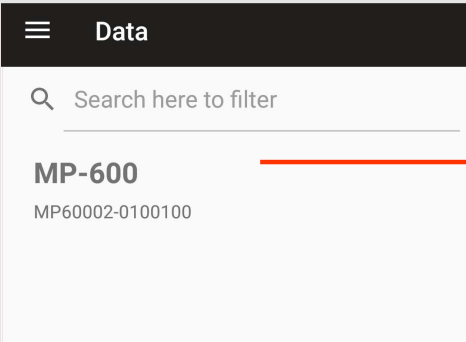
The Settings tab allows the following parameters to be set:

1. **Broadcast Identity.**  
(This is the value seen on the Main tab to identify a separator eg SCU600, PORT, STBD etc).
2. **Alarm Level %**  
This is the % of the set speed at which the yellow LED starts flashing on the hardware and the warning alert is issued in this app.
3. **Cut off %**  
This is the % of the set speed at which the yellow red turns on the hardware and the alarm alert is issued on the app.
4. **Alarm Hours**  
This value is set for installations that require a service at certain intervals.
5. The value counts down so the user is aware of when a service is due.



# Data Menu

## Selecting Data



Tap on the units data from the list.

A screen appears displaying all the entries

Select the data groups required and press the share icon

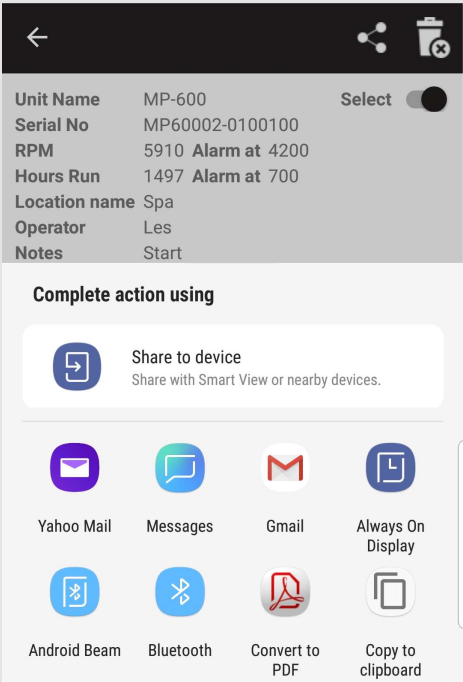
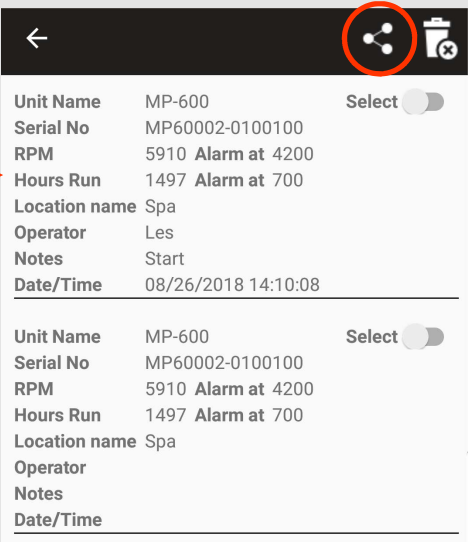


This allows the data to be sent as a text message, email, copied to the clipboard etc as is standard on the device in use.

If the data is to be discarded then select it and press the trash icon.

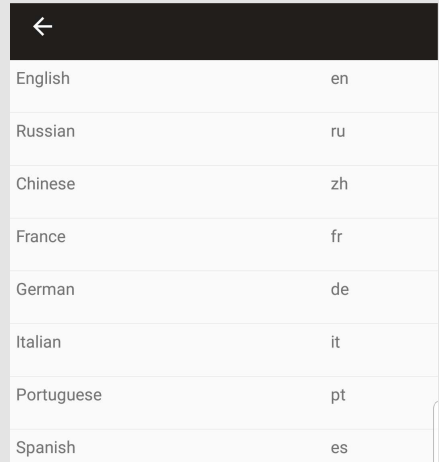
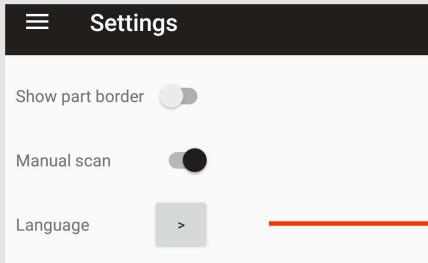


Press the Back arrow to return to the previous view.



# Settings Menu

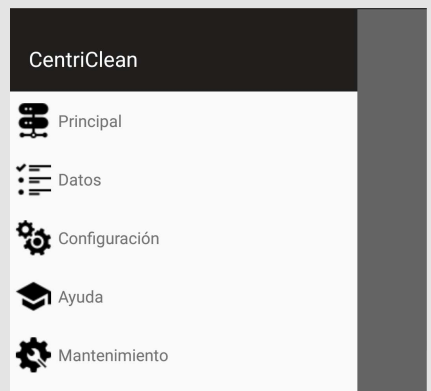
The settings menu allows the app to have its local settings adjusted.



Options are:

1. Component Border displayed (for spares ordering)
2. Manual or automatic scan for local Bluetooth devices.
3. Local language for the app.

For example : Selecting Spanish the menus and all labels will be displayed in Spanish.



## Help Menu

Selecting this menu displays this document which is the apps operator manual in PDF format.



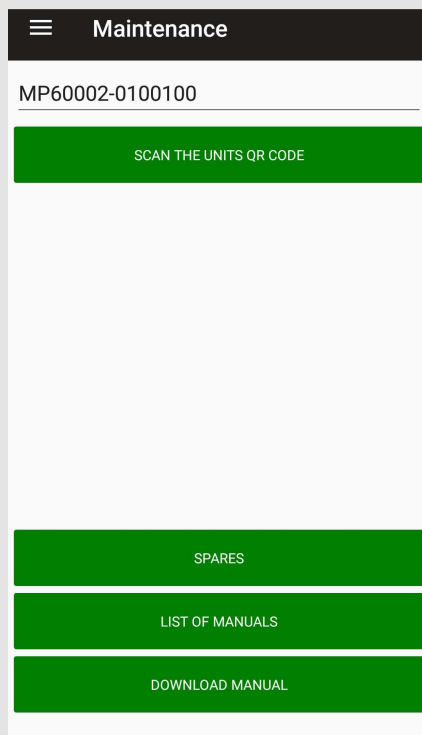
## Maintenance Menu

This section allows the operator to

Download a manual for the connected unit.

Download a manual update

View an existing manual.



The screenshot shows a mobile application interface for the 'Maintenance Menu'. At the top, there is a dark header bar with a hamburger menu icon on the left and the title 'Maintenance' on the right. Below the header, the serial number 'MP60002-0100100' is displayed in a white box. Underneath the serial number is a large green button with the text 'SCAN THE UNITS QR CODE'. Below this button is a large white rectangular area, likely for displaying a QR code or a list of items. At the bottom of the screen, there are three stacked green buttons with white text: 'SPARES', 'LIST OF MANUALS', and 'DOWNLOAD MANUAL'.

Key to these operations is the ability to read the units serial number.

If the unit is connected and receiving data then the serial number is available and will be visible on the top line of the display.

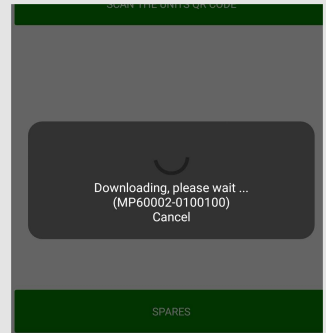
Otherwise the QR code printed on the units label can be scanned or the serial number can be entered manually.

Once a serial number has been entered the app can make a connection and download the latest manual manual or list of spares for the unit.

Once the list of spares is available an email order can automatically be generated for maintenance purposes.

## Spares Ordering

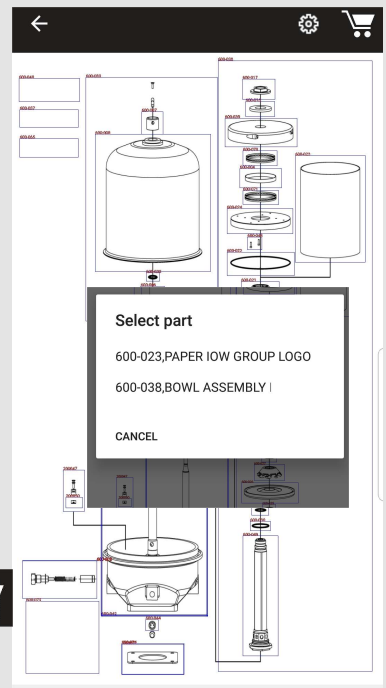
Once a serial number has been acquired then pressing the spares button initiates a download of the latest spares list. (If a connection is not available then the last downloaded list can be used).



Once the list has been downloaded then an exploded view of the separator is shown. The available spares outlines can be displayed by tapping on the settings icon.

Tap on a component and a popup box will display a selection of the parts within the tap area. Select the item required.

Add items as required and finally press the checkout item to view the basket .



The quantities required an be adjust in the cart view.

# Spares Ordering (Cart View and Checkout)

The basket view allows the following operations to be performed.

Adjust the quantities by using the +/- buttons for each item.

1. Empty the basket using the toolbar icon.



2. Share the spares order via a text message or other sharing method on the phone or tablet.



3. Email the order to the spares department of the items distributor.

It is important that you add your contact details on the order or the order cannot be processed.

