

CentriClean

The Help guide for the App

Click to enter



SCU 0003 connects Via Bluetooth™ and
controls MP090 MP200, MP400 and MP600
Centrifugal Oil Separators





Click on menu items to get to relevant pages

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The Centriclean app communicates via a Bluetooth low energy link to the range of centrifugal oil separators.

The app displays the centrifuge speed, 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 centrifuge is through a small interface unit wired to the centrifuge which is powered by the engine's 12/24v supply.

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

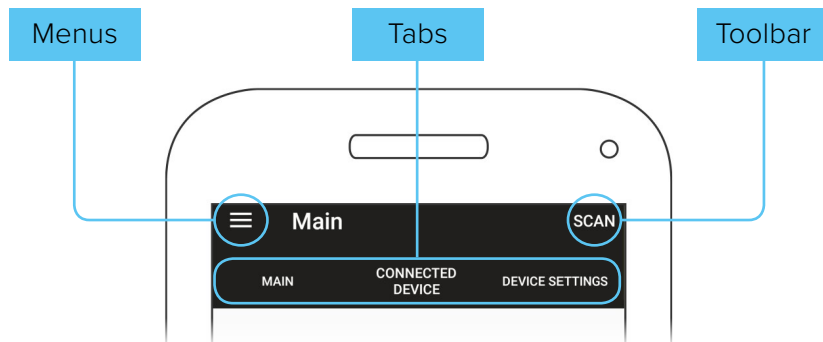
Once the set speed operation is completed, the SCU 0003 will continually monitor the RPM of the centrifuge until the set alarm speed has been reached.

At this point, the SCU 0003 will display the red alarm LED. It is important that the centrifuge should not be allowed to run past this point, as the sludge cake may possibly enter the disc stack. This will increase the time required to clean & service the centrifuge.

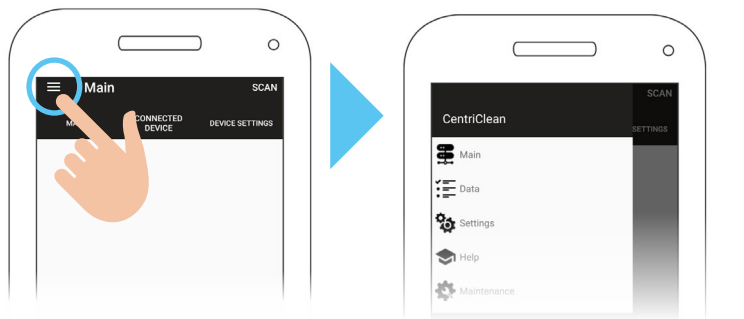
The maintenance section of the app reads the centrifuge's serial number and allows the user access to the latest service manual and order any consumables or spare parts. Data from the centrifuge can be shared via email to allow data logging and engine history logs to be maintained as required.



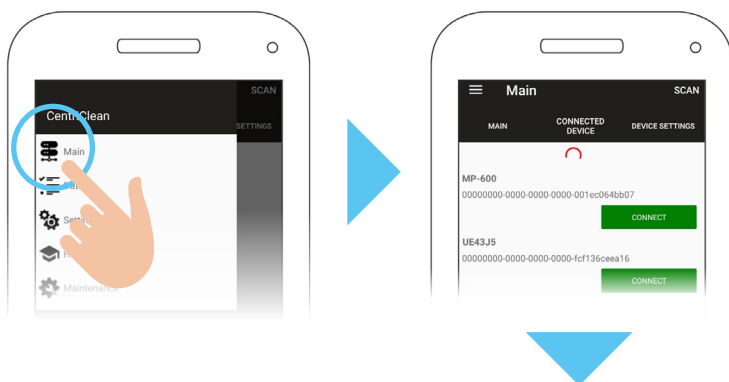
All functions are accessed through Menus, Tabs and Toolbar items in the top panel of the App.



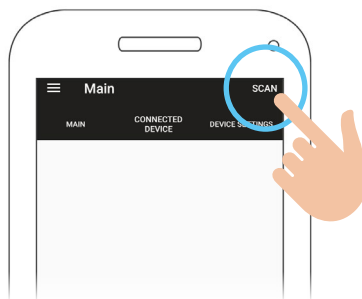
The main menu is available in the top left corner of the screen and tapping on this displays the menu.



Tapping the “Main” item always returns the app to the Home screen which contains the 3 tabs. The “Main” tab will “Scan” for nearby Bluetooth devices and display the list— providing settings are set to continuous scan, if not, tap “Scan” displayed in the top right hand corner. A connection is only possible if the device is a suitable centrifuge. During scanning a red indicator is visible.

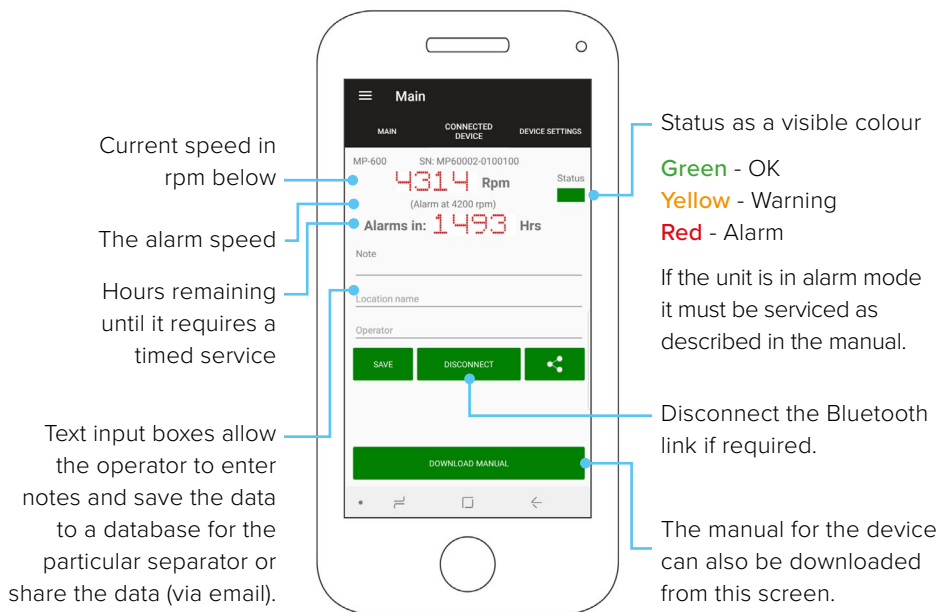
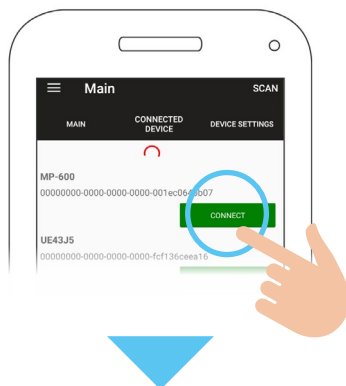


If the App is not set to continuous scan, tap ‘SCAN’





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



1. Broadcast identity

This is the value seen on the Main tab to identify a centrifuge - eg SCU600, PORT, STBD etc.

2. Alarm level percentage

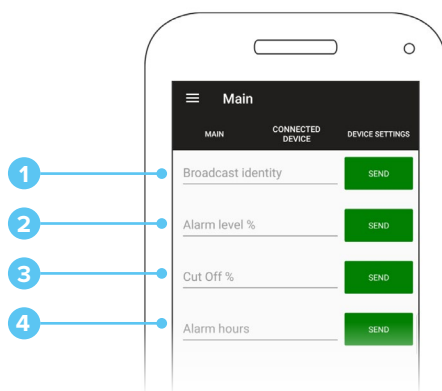
This is the percentage of the set speed at which the red LED starts flashing on the hardware and the warning alert is issued in this app. This value is preset, after the first service, adjust accordingly. Half of this value is when the yellow LED will flash, indicating that a service will be required soon.

3. Cut off percentage

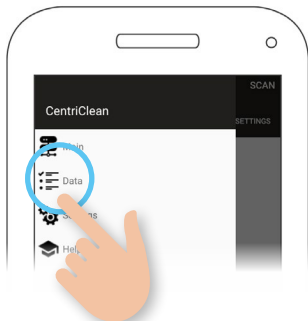
This is the percentage of the set speed at which the red LED turns on, on the hardware, and the alarm alert is issued on the app.

4. Alarm hours

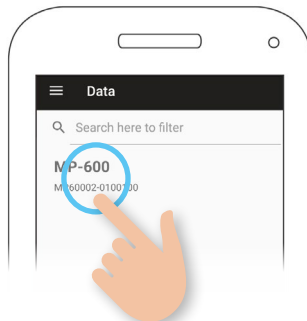
This value is set for installations that require a service at certain intervals. The value counts down so the user is aware of when a service is due.



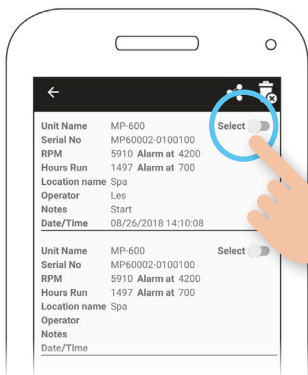
Select Data from the main menu



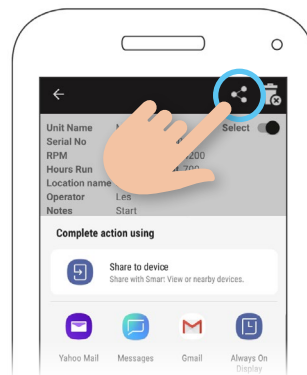
Tap on the unit's data from the list.



Select the required Data from the main menu



Press the share icon to allow the data to be sent as a text message, email, copied to the clipboard etc as is standard on the device in use.

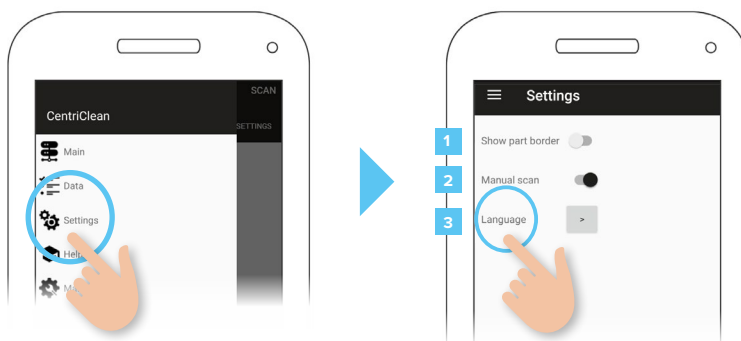


If the data is to be discarded then select it and press the trash icon.



Return to the previous screen by clicking the back arrow.

Select Settings from the main menu

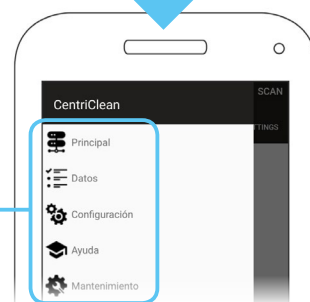
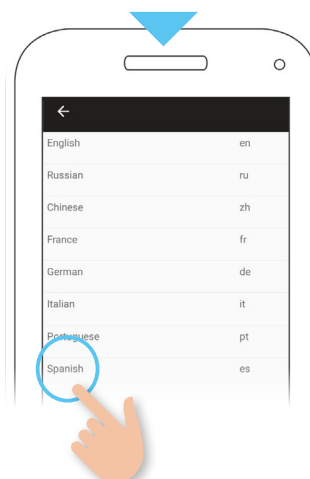


The settings menu allows the app to have its local settings adjusted.

You can change the following:

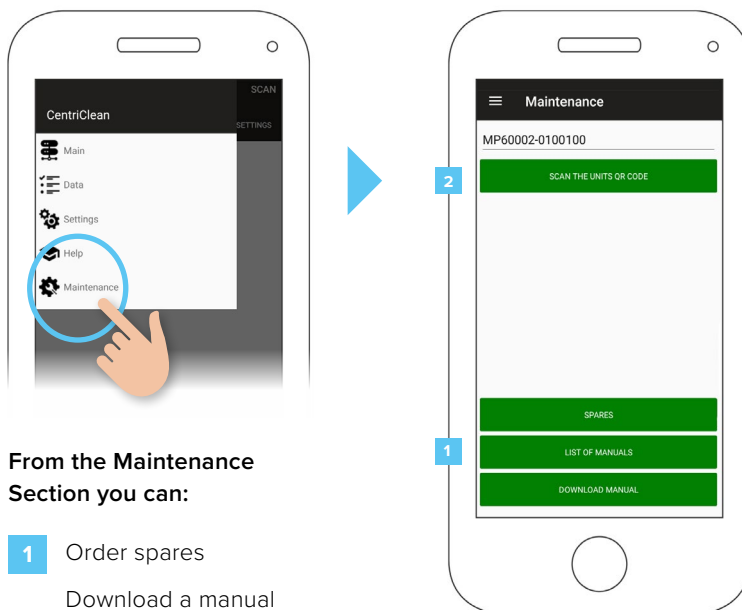
- 1 Component Border displayed (for spares ordering)
- 2 Manual or automatic scan for local Bluetooth devices
- 3 Local language for the app

For example: Selecting Spanish will change all text in the App to Spanish





Select Maintenance from the main menu



From the Maintenance Section you can:

1 Order spares

Download a manual
for the connected unit

Download a manual update

View an existing manual

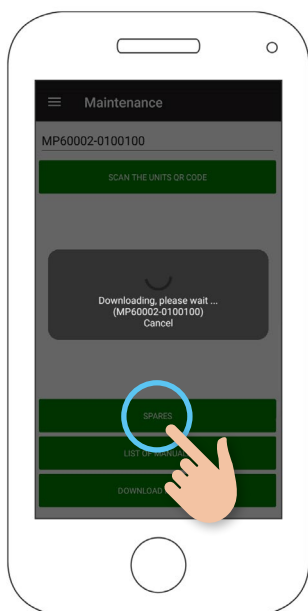
2 Key to these operations is the ability to read the units serial number.

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.

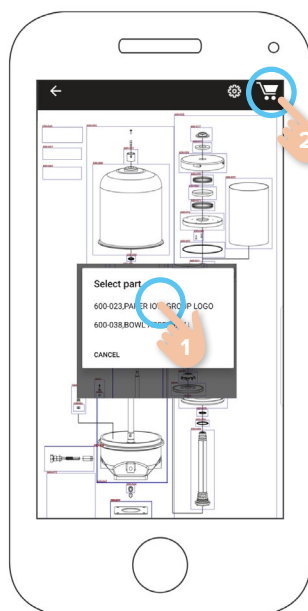
Once a serial number has been entered the app can make a connection and download the latest manual or list of spares for the unit.

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

With a serial number acquired, press the spares button to initiate a download of the latest spares list.



Once the list has been downloaded then an exploded view of the separator is shown.



NOTE

If a connection is not available then the last downloaded list can be used.


The available spares outlines can be displayed by tapping on the settings icon.

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


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

Quantities can be adjust in the cart view.


The basket view allows the following operations to be performed



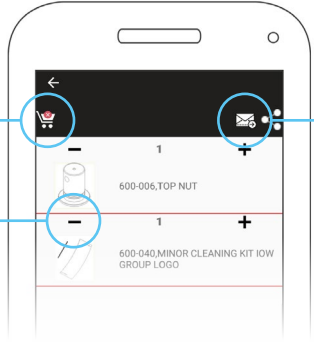
Empty the basket using the toolbar icon.




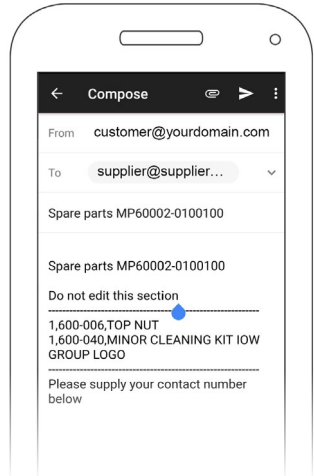
Adjust the quantities by using the +/- buttons for each item.



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







Email your order to the spares department of the unit's distributor.

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



Troubleshooting

Setting Operational Speed

Once serviced, should the red LED (alarm) be alight, the centrifuge has not been reassembled correctly.

Check condition of O-rings. Check nozzles and mesh for possible blockage.

Oil pressure could potentially be low (check your pump capacity and oil level). There may be damage or wear to bushes in Bearing Tube Assembly or Spindle.

Cover assembly may be incorrectly fitted. Check the top and bottom stub axles for damage.

Operation

- Q** Alarm appeared too early (insufficient sludge buildup) or too late (sludge cake entered the disc stack)?
- A** If triggered by slow down, see device settings tab and adjust alarm level %.
- A** If triggered by run hour time, see device settings tab and adjust alarm hours accordingly.

RPM Alarm Level Percentage

- Q** Percentage adjustment is not sufficient?
- A** Please contact your supplier (provide engine and centrifuge serial number).





**For more information about the
CentriClean App or SCUs...**

email info@centriclean.com
or visit www.centriclean.com



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