



RC1 CCS Gen3 Compact Commercial Floor Scrubber User Manual



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What's in the box

RC1 Scrubber (Code - RC1CCS 03)
1 x Battery
1 x 2.5hr Fast Charger
2 x Red Brushes
2 x Pad Holders
2 x Red Pads



1. SAFETY INFO



Attention: Please read carefully, ensure all operators are correctly trained in the operation of the RC1 CCS Gen3 machine before use, Medical warning - The Brush & Pad holders have strong magnets, do not hold next to body parts with medical devices in the vicinity.

Hazards to health

- 1 - Do not open the battery unit
- 2 - The brushes & pad holders have strong magnets - users with medical devices fitted internally or externally about their body need to take great care not to contact the magnets

Battery charger

- 1 - Only use for the RC1 battery pack
- 2 - Check the battery charger & cords for damage & replace
- 3 - Store & use in a dry environment
- 4 - Do not use in a wet environment
- 5 - Do not touch with wet hands
- 6 - Remove the battery charger cord from the RC1 once fully charged.

General safety instructions

- 1 - Read the operational manual before use lithium ion battery
- 2 - Read all warnings before use
- 3 - Read all battery information before use
- 4 - Do not store battery pack with terminals in contact with metal objects
- 5 - Do not work near open flames
- 6 - Lithium ion batteries must be disposed of in accordance with govt regulations
- 7 - Don't crush \ dismantle \ heat \ put in liquid \ charge at temperatures above the stated
- 8 - Do not use damaged battery units
- 9 - Do not 100% discharge the batteries for long periods
- 10 - Batteries should be charged to 100% no less than once every 60 days
- 11 - Use only the original batteries in this unit



Note before use:

1. Before using the machine, the user must read & understand this manual, be familiar with the operation of the machine.
2. Please understand and be familiar with the machine, and make sure you use the machine in the Safest way described in the manual.
3. Check the capacity of the battery (new machines or machines that have not been used for a long time must be full charged before use), battery charging should be completed to 100% every 60 days.
4. Depending on the floor conditions, choose to use a brush or a pad and chemical.

2. Product Overview

The RC1 CCS Gen3 automatic floor scrubber is a eco/green and environmentally friendly product that uses lithium batteries. It can perform cleaning work in general commercial areas. It is an effective cleaning machine that integrates the functions of scrubbing and drying, so that cleaning is efficient.

The RC1 CCS Gen3 scrubber dryer is suitable for many different floor surfaces such as office, living room, restaurant, snack bar, toilet areas, storage room, pharmacy, reception, medical, practice, tile, vinyl, poly, hard wood, concrete, painted, terrazzo and many more small and different large floors. It can quickly remove the dirt from the ground and make your cleaning easier and faster.

Scrubbing width	500mm	Theoretical efficiency	1750m ² /h
Squeegee width	560mm	Working voltage	DC24V
Clean water tank	5.1L	Battery type(V Ah)	24V 14AH
Dirty water tank	6L	Clean water tank level sensor	✓
Brush motor reduction	Aluminium gearbox housing	Brush speed adjustment	✓
Brush speed	300rpm	Clean water spray electronic and manually	✓
Brush motor	250W*2	Magnetic brush	✓
Suction vac motor	200W(Max)	Size	445*560*1210mm
Weight Include water	34. 9Kg	Weight exclude water	29.5Kg
Brush pressure	30Kg		

BRUSHES & PADS:

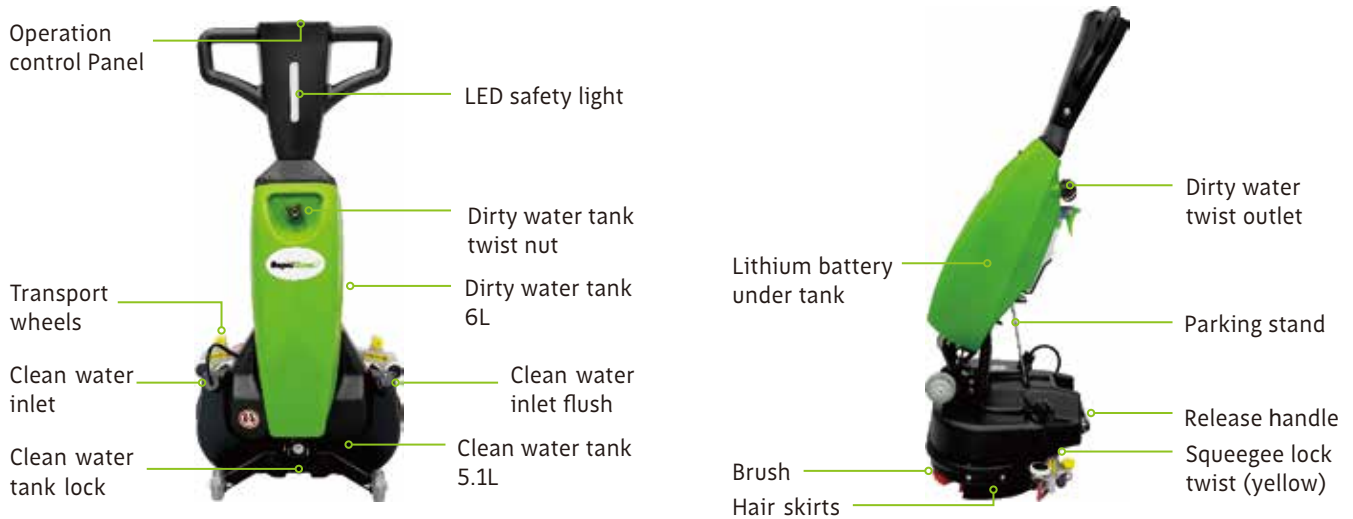
Brush/Pad	Colour	Floor Type	Code
Soft brush	White 	Smooth, slightly soiled	WM0101001
Medium hard brush	Red 	General. standard everyday cleaning	WM0101002
Hard brush	Black 	Generally smooth, Heavy Duty	WM0101003
Soft pad	White 	Smooth, slightly soiled	10080030
Medium pad	Red 	General. standard everyday cleaning	10080029
Hard pad	Black 	Generally smooth, Heavy Duty	10080031

SUITABLE FOR USE ON:

	Tile	Vinyl	Poly	Hard wood	Painted	Concrete	Terrazzo	Rubber Non Slip
FLOOR TYPES	✓✓✓ 	✓✓ 	✓✓ 	✓✓ 	✓✓ 	✓ 	✓ 	✗ 
BRUSHES								
	✓	✓	✓	✓	✓	✓	✓	✗
	✓	✓	✓	✓	✓	✓	✓	✗
	✗	✗	✗	✗	✗	✓	✓	✗
PADS								
	✓	✓	✓	✓	✓	✓	✓	✗
	✓	✓	✓	✓	✓	✓	✓	✗
	✗	✗	✗	✗	✗	✓	✓	✗

Check with flooring supplier regarding hard brush & pad suitability.

3. Features



Main Features

Dirty water tank: The Dirty water tank must be secured correctly for maximum correct operation, the 6.0Lt Dirty water tank, has the following features, Ball Float shut of mechanism to secure the Vacuum motor from water egress, this must be kept clean, Empty and flush clean when cleaning is completed.

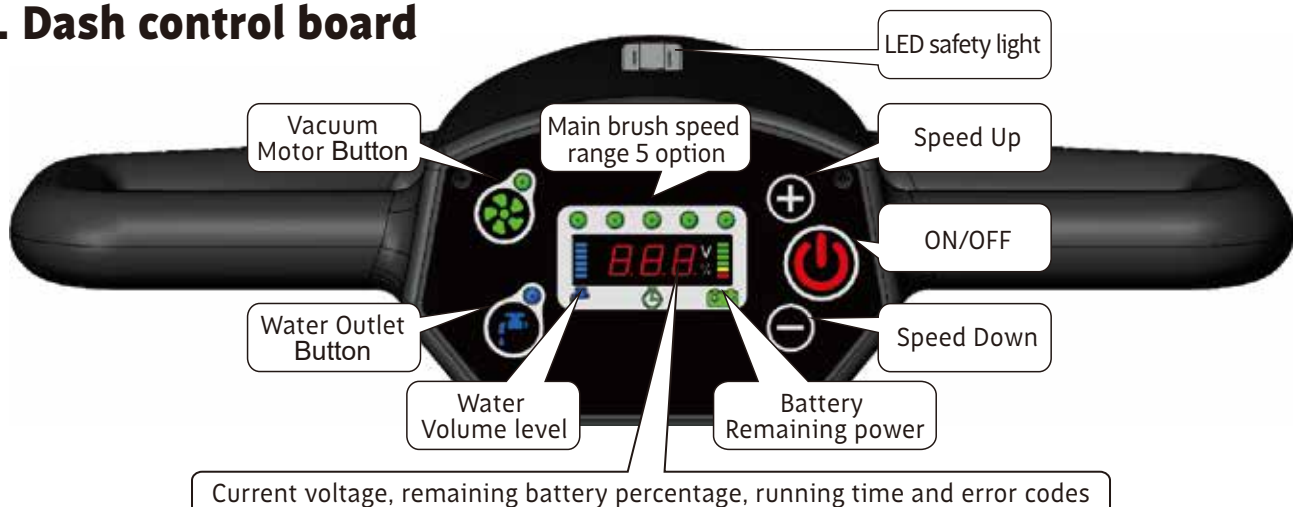
Clean water tank: The Clean Water tank will hold 5.1Lt of clean water & cleaning solution, The inlet cap and outlet plug can be removed for cleaning & flushing after use, ensure the Inlet cap and outlet plug are securely fixed before use.

Brush: The brushes are driven by a powerful Motor & Gear box, Cleaning water & Solution are delivered to the brush deck centrally through the brush units.

Squeegee: The Squeegee is full floating and can be locked in an up position for Double Scrubbing (see picture 9 on page 5) allowing maximum contact time on the floor for water & cleaning solutions for maximum cleaning effect, drop the Squeegee down for Dirty water collection via the squeegee & vacuum system.

The standard red rubber squeegee blade is only for an oil-free environment floors.
If you need to clean oily floors, please choose a special PU oil-resistant rubber squeegee blade.

4. Dash control board



5. Quick operation diagram



1. Top layer after opening box



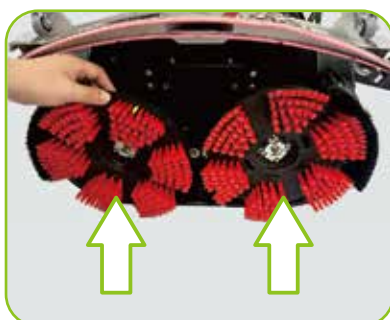
2. Inner layer after remove top layer



3. Upwards remove and downwards insert the battery



4. Install and remove the dirty water tank with the nut



5. Magnetic install brushes click on/off



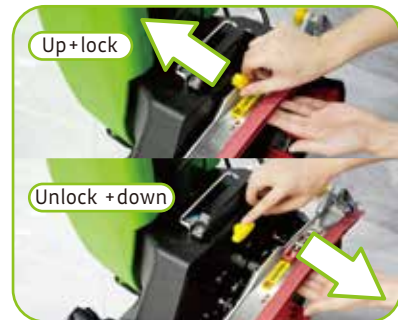
6. Lock and unlock the stand



7. Install and remove the clean water tank with the lock.



8. Add clean water 2 options



9. Squeegee no vacuum lock up
Squeegee vacuum unlock down



10. Dirty water tank float security system. Remove, clean, replace



11. Charging batteries (Do not charging on concrete floors)



12. Charging the machine direct attachment

When the scrubber is ready to use:

1. Choose the correct Chemical(PH)and concentration dosage based the manufacturer recommendation for the soiled condition of the floor; In order to protect the environment, please minimize the amount of Chemical from PH7 to PH9! Please use neutral low FOAM Chemicals.

When using a foaming cleaner, use a defoamer at the same time to eliminate the dirty water tank foam and prolong the lifetime of the suction motor!

2. Add clean water Chemical(PH7)to the clean water inlet as shown(on the photo)



3. How to use the RC1 CCS GEN3

Before using the machine follow the following steps:

1. Check the clean water tank and soap.
2. Check the dirty water tank to see if it is empty and clean.
3. Check the grille on the handle on the inside foam of the vacuum side (between the dirty water tank and handle).
4. Check if the battery has enough power.
5. Use a pad or brush depending on the floor.
6. Use the Chrome handle to unfold the machine for use.
7. Use two hands on the handle before starting the machine (always two hands on the handle during use).
8. Press the start button.
9. Press the water button and use the level amount 1,2 or 3.
10. Press the vacuum motor button.
11. Press the desired speed and start working after 3 seconds.

After use:

1. Press the off button and the machine will stop working after a few seconds, keep moving forward at this moment.
2. Fold the machine with the Chrome handle and lock it.
3. Remove the dirty water tank and empty the tank, rinse the tank and rinse the safety basket.
4. Check the battery to see if there is still sufficient power in the battery.
5. Check the squeegee mouth for dirt and clean it with a brush or cloth.
6. Check the brush or pad to see if it is clean and ready to use for the next job.
7. Clean the machine with a damp cloth (Do not Spray Water directly on the machine to clean it)

Precautions:

1. DO NOT USE corrosive liquids use only PH7 (such as sulfuric acid, hydrochloric acid or others strong corrosive chemicals) into the clean/dirty water tank, which will cause serious damage to the machine.
2. When the scrubber is charging, charging should be completed 100% as instruction
3. The charger is matched to the lithium battery. To avoid damage to the lithium battery, do not use other charger.
4. DO NOT start the machine while charging.
5. Ensure when filling the clean water tank that no items other than chemical solution & clean water are filled , solid items may block the pick up system and require maintenance.
6. It is imperative that the squeegee is set up correctly for the RC1 machine to operate correctly, check the following prior to use;
 - A. The squeegee is connected correctly and the secure nuts are tight
 - B. Check the vacuum hose is connected
 - C. Check the squeegee tilt bolt is adjusted
 - D. Check that the castor wheels are adjusted correctly
 - E. Check that the blades are correct for the floor & debris type
 - F. Check that the squeegee is adjusted for floor & blade contact correctly
7. The squeegee blades can be flipped and reversed for maximum ware.
8. Fit the correct brush types suited to the floor type to be cleaned.
Fit the brushes / pad holders correctly to the drive plates.



If the squeegee and the floor are not at a 90° angle, this may result in poor vacuuming in the center of the squeegee, and make sure the rubber blades on both ends are in contact with the ground

6. Routine after using the machine

1. Check the battery capacity after use it, Charge as required to make sure the machine is ready for use.
2. After working, the dirty water tank should be empty & clean.
3. After working, it is best to wipe the whole machine with a wet towel and keep it dry. Do not spray water on the machine.
4. After working, the squeegee should be lifted and cleaned, also check the vacuum hose for hidden debris.
5. When the power is lower than the specified value, the machine will automatically stop working and needs to be charged at this time.

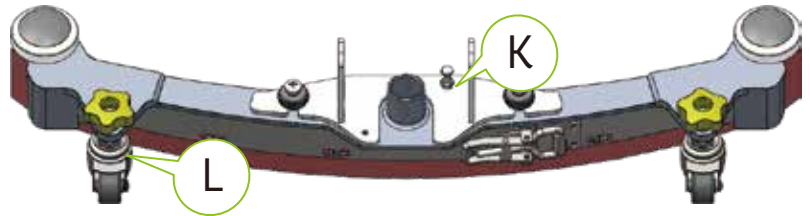
Do not use other Battery Chargers – This will void the warranty
To maximise battery life-try to complete 100% ,full charging from low battery level.
Do not interrupt until 100% full charging.

7. Common problems & Trouble shooting

1) How to adjust the squeegee when dirty water removal is ineffective:

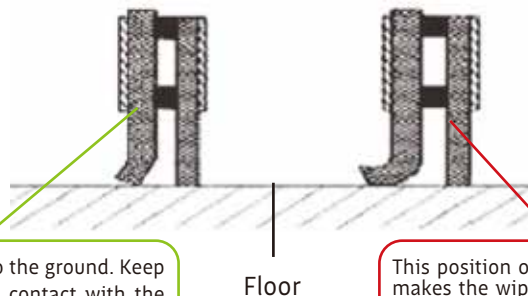
Adjust the bolt K as in the photo (to adjust pitch);
When the two ends of the rubber strips leave stripes,
turn L clockwise

When the middle of rubber strip leave stripes,
turn K counterclockwise



When using, adjust the knob L to make the rubber strip contact the floor in the best position(see correct).

Correct



Incorrect

The rear rubber strip is at 90° to the ground. Keep one side of the rubber strip in contact with the ground. When this side is worn, flip the other side of the rubber strip, so that the rubber blade can be reused four times, saving lifetime..

This position of the back rubber blade not only makes the wiper effect of the rubber blade bad, but also makes the rubber blade easily damaged. Once the end surface of the rubber blade is damaged, the other side of the rubber blade cannot be used again.

The squeegee blade of the machine is designed for double-sided and four-way use, which can effectively reduce your use cost and maximize your value.
For PU oil-resistant rubber blades, please contact your local distributor or equipment manufacturer

2) Trouble Shooting the suction Result of the Squeegee.

“Bad result in the middle”, “Bad result at both ends” --- adjust the verticality position of the squeegee as above.

“The squeegee can extract, but the water overflows at both sides of the squeegee” --- Check whether the squeegee suction point is blocked, or whether the dirty water tank is full, whether the sealing strip of the dirty water tank is not installed correctly and whether the dirty water hose is not installed properly.

3) The Machine is not working after the vacuum motor or brush motor is turned on;

Solution: check if the fuse is damaged; whether the battery connector is loose or oxidized;

4) The Drive or Vacuum motors are weak but with Full battery power

Check whether the lithium battery output terminal is loose; Check whether the motor connector is damaged; Contact a Service Repair Agent to check it when the machine needs to be repaired

5) The squeegee cannot work but suction motor work well.

- Check if the suction hose to the dirty water tank is Blocked or the tank cap is not closed
- Check whether the squeegee inlet is blocked by objects
- Remove the squeegee connection hose and check if the hose is clogged
- When using, adjust the screw L to put the rubber strip in the right position

6) If the scrubber is not Dispersing Clean water or water is not draining smoothly:

- Check the water switch on?
- Check the clean water tank's filter blocked ?
- Check the water tube from the clean water tank is Connected Correctly.

Error codes

Error codes	Description	Solution	Notes
E00	Low battery voltage	Charge battery	
E02	Hardware failure of the brush control board	Restart the machine	When restart the machine and the machine is not working ask the supplier to check the PCB board
E03	Clean water tank low water	Add clean water	
E11	Brush motor over load	Cooling down for 5 minutes and restart the machine	
E12	Brush motor stalling short circuit	Automatic fuse will work after 30 seconds	When restart is not working ask the supplier to check the PCB board
E22	Vacuum motor malfunction	Restart the machine or replace the vacuum motor	When restart the machine and the machine is not working ask the supplier to check the PCB board and vacuum motor
E23	Vacuum motor over heat	Cooling down for 5 minutes and reboot	When restart the machine is not working ask the supplier to check the PCB board
OPN	Handle switch disconnected	Restart	

8. Lithium battery

1. After installing the battery according to the manual, charge the battery to Full before using.
2. Battery should be stored in ventilated dry and clean environment; keep battery far away from fire or heat. The best temperature for battery using is 15°C~35°C.
3. Do Not use other types of chargers for battery – this will void the Warranty

Battery level light



Press the  button the light will turn on.

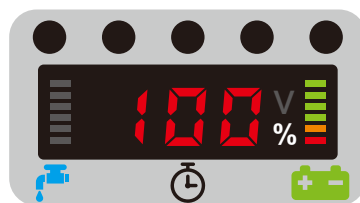
- 1 Red 3 Green---100%
- 1 Red 2 Green---75%
- 1 Red 1 Green---50%
- 1 Red 0 Green---25%



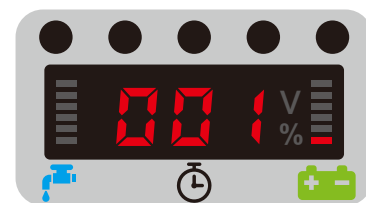
Battery Level



Battery Voltage



Battery Percentage



Hour Meter

9. Spare parts

DESCRIPTIONS	ITEM NO.
Control Panel + seal	T4000048
PCB dash	10050039
PCB handle/brush motor	10050040
Pingpong ball in basket	T4000049
Handle Shoulder + mesh grid	10090011
Tank seal between shoulder and tank + grid	10090009 10080040
2 aluminium drive units for the brushes locating plate, with the screws and nut	T4000050
2 locating plates for brushes 3mm excl hub	T4000051
Suction Motor 200W + seal	T4000052
Battery	10050011
2.5h charger	10050028
Tank dirty water incl nut	T4000053
Dop dirty watertank	10080071
Clean water tank 5.1 liter	T4000054
Clean water tank fill dop set incl tube, filter and clips	T4000055
Hose vacuum	10080006

DESCRIPTIONS	ITEM NO.
Hose squeegee	10080007
Brush motor 1 pcs	10050032
Cover black	10030001
Padholder 2 pcs	WM0101004
bumping rubber + screws	10090003
Hair skirt splash pcs 2 + screws set	10460012
Driving wheels 2 pcs stainless steel bearing	T4000056
Handle aluminium black incl 2 screws	T4000057
Swivel wheels and nut 2 pcs each	T4000058
Bumping wheels 2 pcs incl bolt lockscrew	T4000059
Squeegee complete, swivel wheels, bumping wheels, rubber set and all nuts	T4000060
Squeegee blue complete, swivel wheels, bumping wheels, rubber set and all nuts	T4000061
Squeegee set rubber 2 pieces front and back	10460020
Squeegee set rubber 2 pieces front and back (blue)	10460020B
M6 Nuts squeegee holder 2 pcs	10080001
M8 Nuts swivel wheels 2 pcs	10080075

Please scan the below QR Code & follow the Link (Country Specific) to review full Spare Part pictures and information, including Exploded Parts diagrams for the RC1 CCS Gen3 Machine.

10. Product Info

- 10.1 All products are tested carefully and inspected in advance by the quality inspectors before shipping. Each product 100 % passed by QC.
- 10.2 One-year warranty for the product (except for wear parts)
- 10.3 Note: This warranty does not apply to repairs, misuse, damaged caused by fire, or accidents, caused by incorrect operating the machine
- 10.4 In addition, wearing parts (wheels, rubber strips, absorbent rubber strips, brushes and pad and holder are not covered by the warranty. The battery is a special part, usually support 1500 cycles of charge. If the battery is used for another application and causes a problem, this is deemed abuse.
- 10.5 All warranty claims must be supported by the following information or they will be rejected; Purchase date & store name , Serial # of machine , Owner contact details in full , Photos \ video of the failure part or issue , written report from the service tech to support the failure & the solution of repair

Read the product manual and service manual carefully.



FAULT DESCRIPTION & DATE		
Repaired By Name		
Contact		
Fault Info	Fault Repair	Date

The following points must be adhered to under the warranty obligations covered by the manufacturer

- Please read and understand the operation manual before using the machine this will ensure correct use & operator safety whilst in operation.
- Ensure all operators & new operators are fully trained to use this machine in a safe & correct manner, serviceperson be aware brush & pad holders contain strong magnets - no body contact.
- Should a fault occur with the machine it must be seen by an authorised service agent, unauthorised intervention will void the warranty.
- Please contact the ph number or email if service support is required.
- All correct information on the machine must be given when requested.
- The warranty will be void under the following:
 - Non authorised service or intervention.
 - Not following the correct user operation as per the manual.
 - Infestation by insects or rodents.
 - Warranty does not cover:
 - Act of god situation, Operator misuse, Incorrect operation,
 - Failure to comply with instruction or user manual, Non authorised intervention.

(Ensure all correct info in completed in this form prior to submission)
Thank you for purchasing the Rc1 compact scrubber .

SOLD TO: _____
(Name & Contact)

SOLD BY: _____
(Name & Contact)

MODEL: _____

SERIAL NO.: _____

SOLD DATE: _____

Manufacturer: Rapidclean Group AU/NZ-MZL
RapidClean AU/NZ
Phone +612 4721 1993
www.rapidclean.com.au
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For further information & Support

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