

Clemas & Co Ltd

Industrial Cleaning Equipment
Sales - Hire - Service

MOTORSCRUBBER M3 OPERATOR MANUAL



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User Manual
English



MotorScrubber Contents

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Thank you for purchasing
your **MotorScrubber**
machine.

We hope you enjoy using your MotorScrubber product, please feel free to leave comments and feedback at motorscrubberclean.com/support.

PLEASE READ ALL INSTRUCTIONS

When using electric products, basic safety precautions should always be followed to reduce the risk of electric shock and personal injury, including the following:

- Consider your work area environment. When using the MotorScrubber be aware of overhead electrical wires.
- **MotoScrubber is powered by DC current only. Do not attempt to operate MotorScrubber with AC current.**
- Never pull the MotorScrubber by its cord or yank it to disconnect it from the battery.
- Keep the cord away from heat, oil and sharp edges.
- Keep your MotorScrubber clean. (For safer operation, follow instructions for attaching accessories. Keep the upper handle switch area dry, clean and free from oil, grease and water).
- Disconnect the MotorScrubber when not in use and when attaching accessories.
- Inspect for damage before using MotorScrubber.
- When servicing, use only genuine parts and accessories.



MotorScrubber is a power tool. As with any power tool, always use both hands to ensure safe operation.

- Ensure you adopt the correct posture when using MotorScrubber. Maintain a straight back.
- Adjust the position of the control handle (**see page 12**) so your arm is straight when holding the handle. Your back should be straight at all times.

Save these instructions for future reference.



Application Details



The M3 makes light work of deep cleaning confined and hard to reach places. Achieving outstanding cleaning results on any surface.



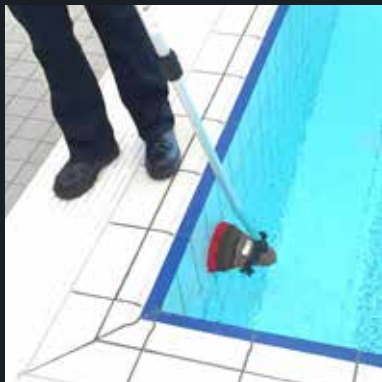
KITCHEN CLEANING



FLOOR CLEANING



STAIR CLEANING



SWIMMING POOLS

Know Your Equipment



2 Step Quick Connect

Simply push together the electrical connector found on both the backpack and M3 to begin cleaning.

BACKPACK: The backpack should be put over your shoulders like a backpack. There are two adjustable straps, which can be pulled to tighten the shoulder supports to a comfortable user level. Ensure the Velcro belt strap is fastened across your abdomen.

M3

1. Brush Switch
2. Electric Cable and Connector
3. Flip Clip
4. Locking Knob
5. Rotating Disc Hub
6. Handle Screws
7. Control Handle
8. QR Code

BACKPACK

9. Carry Handle
10. Electrical Connector
11. Battery Pack*
12. Charger



*For further information about the Battery & Charging see page 7.

Important Information

Before use, the battery coiled cord needs connecting to the battery terminals. It is vitally important to connect the cable with the correct polarity.

If the cable is connected incorrectly it could cause damage / fire when plugged into the charger.

Unzip the battery compartment located on the backpack.



Connect the red wire from coiled cord to the red positive battery terminal.

Connect the black wire from the coiled cord to the black negative battery terminal.

Electrical Connection

Important: before you connect the power cable, check the brush switch is not on. (see page 12).

To connect the black SAE connectors align the two connectors and push together until closed.

To release the connection, grip the two connected areas and pull apart.



Battery & Charging Information

- The battery should be charged before using your MotorScrubber, after each use, and if unused for 4 months.
- When charging the machine the red light will show, when the battery is fully charged the light will show green. A full charge from flat will take approximately 8 hours.
- Connect charger to the coiled cable on the backpack then plug the charger directly into a 120 VAC/60HZ or 240 VAC electrical outlet, or use an adapter or a charger made for the AC source being used.

(Do not use an extension cord). After charging, disconnect the charger from the AC outlet and **(IMPORTANT)** disconnect the charger from the battery.

- MotorScrubber uses a rechargeable sealed lead-acid battery. Non-spillable.
- Capacity: 12-volt, 7.0 amp-hour.
- Depending upon the average depth of discharge, over a thousand discharge/charge cycles can be expected.



CHARGING



CHARGED

Additional Battery Charge Setup

When you require long periods of machine usage, it is always advised to have an additional battery on charge so that you can switch over to a fully charged battery quickly.





M3

Powerful, Lightweight &
Battery Operated

Say goodbye to
**manual scrubbing
with M3.**

The M3 makes
light work of deep
cleaning confined
and hard to reach
places. Achieving
outstanding cleaning
results on any
surface.

Key Benefits:

- 3x faster scrubbing than manual methods
- 360rpm drastically cuts exhaustive manual labour
- Plug and go!
- Powerful high torque M10 motor delivers 10,000rpm, geared to 360rpm

4 hour runtime gives the freedom to clean anywhere. Fully adjustable, lightweight, padded backpack fits any user.



Cleaning With **M3**

- When using MotorScrubber make sure the brush or pad is flat to the floor, this will ensure smooth operation of the machine and an optimal clean.
- Apply soap/cleaning solution to the surface with a sprayer or directly to the scrub disc. You may also mix soap concentrate in a bucket and dip the scrub head into the bucket.
- Scrub with straight, light strokes. You can exert light pressure where needed, let MotorScrubber do the hard work for you.

DO NOT USE MOTORSCRUBBER WITH FLAMMABLE CLEANING FLUIDS

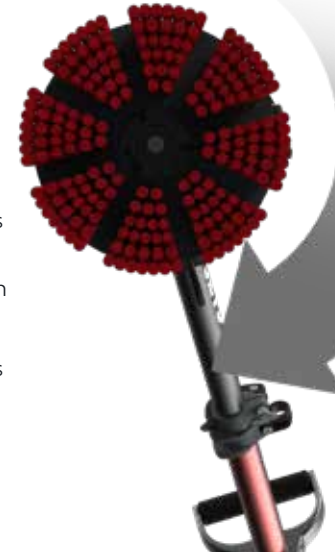
FUSED PROTECTION

MotorScrubber is equipped with 15Amp replaceable fuse, to protect against short circuit. This fuse can be found inside the battery compartment.



Changing A Motorscrubber Brush

1. Turn the MotorScrubber upside down and support the handle with the inside of your foot.
2. Line-up the tabs on the disc with the hub on the MotorScrubber.
3. Hold the hub firmly to prevent rotation. Press down while turning the disc clockwise until it locks in place.
4. To remove, press down on the disc and turn it counter clockwise holding hub until tabs are free. Then lift off the disc.



Removing Dirty Slurry

There are many ways to remove dirty slurry after cleaning, the most effective ways are:

1. MotorScrubber can be equipped with a suction head, which can be connected to a wet vac for instant slurry pickup.
2. **Squeegee** - Many hard floor areas have a drain in the floor. Dry and remove the slurry with your BLADE floor squeegee into the drain.
3. Attach BLADE A-Fibre and dry.



A-Fibre

- Absorbs 500ml/0.13gal of liquid.
- Absorb Spills & Dry Floors.

The Handle

BRUSH SWITCH

The red switch operates the brush. This is a latching switch, depress the switch until you hear a click and let go, the motor will run continuously.

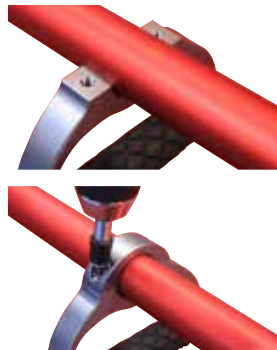
Press again and this will stop the brush. It is important that this button is not depressed before you connect the electric.



Changing The Control Handle Position

1. Turn the MotorScrubber over so the back of the handle is facing you.
2. Using a Phillips screwdriver, remove the two screws and take off the handle base.

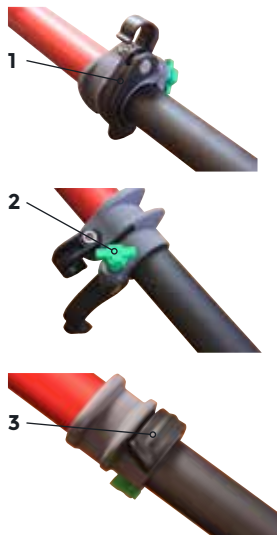
3. Move the handle to your desired position, replace the handle base and screws.



Adjusting The Flip Clip

Release the black clip by pushing up the release catch. **(1)** Adjust the pole to your desired length, then push the black clip back into position. Do not extend further than the red stop line printed on the handle.

Being careful not to over tighten, turn the screw clockwise **(3)** until you can comfortably push the black clip back into its lock position. If the black clip is too difficult to push back, turn the green screw anti-clockwise until it is easy to push back into position. For an instructional video please visit: www.motorscrubberclean.com/support

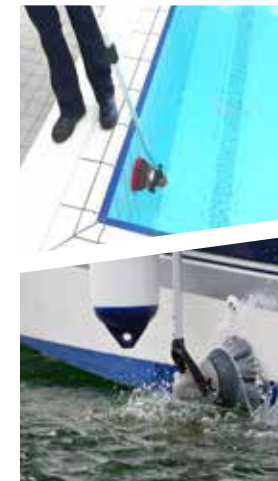


Underwater Use

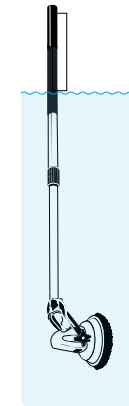
- Because its motor head can be fully-immersed in water, the MotorScrubber is ideal for many underwater cleaning tasks. One of the more popular uses of the MotorScrubber is cleaning the "scum line" above the water level in swimming pools, spas, boats, etc.
- Immersing the head for long periods of time could effect its water-proofing seals, due to the effects of prolonged heating, cooling and chlorine. The seals could contract and allow water to make direct contact with the motor, which would cause a motor failure. Guidelines need to be followed to avoid this.
- If the unit is used underwater on a regular basis, an internal inspection of the head is also required each month by a competent technician, this is to check for water ingress.

WE RECOMMEND NOT USING THE MOTORSCRUBBER FULLY SUBMERGED IN WATER FOR MORE THAN 2 MINUTES CONTINUOUSLY. MOTORSCRUBBER SHOULD THEN BE REMOVED AND ALLOWED TO COOL FOR 5 MINUTES.

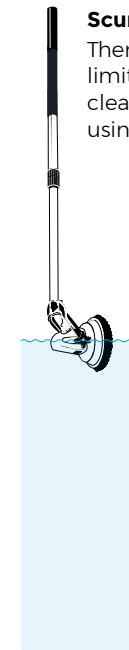
- Waterline cleaning, where MotorScrubber is half in and half out of the water there is no limitations.
- Regular underwater usage will reduce the lifetime of the head unit. MSGREY12V complete motor head can be purchased and replaced when required. 1 year is the suggested life of regular underwater use.



Fully submerged
Use for 2 minutes then take out to cool for 5 minutes.



Submerge up to 25cm away from the switches.



Scum line cleaning
There are no limitations, you can clean continuous using this method.

M3 Complete Parts Breakdown

1. **MSS103** Handle Grip
2. **MSS402** Switch Housing
3. **MSS032** Handle Flip Clip 32mm
4. **MSS061** Locking Knob
5. **MSS062** Acorn Nut
6. **MS7003** Hub Dark Grey
7. **MSGREY12V** Motorhead Complete
8. **MSS172B** Thumb Screws
9. **MS3003R** Aluminium Tube
10. **MS3004B** Handle
11. **MS3114** Back Pack
12. **12V7A** Battery
13. **MS3009** 2 Core Coiled Cable
14. **MS1580** Charger





Certificate of Conformity

20/04/2020

The following products have been tested by us with the listed standards and are found in compliance with the council EMC Directive 2014/30/EU. It is demonstrative for the compliance with this EMC Directive.

Applicant: MOTORSCRUBBER Limited

Address: 8 Orgreave road, Sheffield S13 9LQ Great Britain

Product: Motorscrubber Battery operated Cleaning Machines

Model No: MS2000S, MS2000M, MS2000L, MSJET, MSPROWASH, MSFORCE, MSSTORM

Rated Input: AC 100 – 240Volt – , 50/60Hz, 0.6Amp

Rated Output: DC 12 Volt, 7Ah

Test Standards: EN55014-1

Yours Sincerely,

Imre Killi
CEO

**INNOVATORS
IN COMPACT
CLEANING**

UK & WORLDWIDE HELP DESK (GMT)
8 Orgreave Road, Handsworth, Sheffield, S13 9LQ
0044 (0)114 478 8710 : orders@motorscrubberclean.com

USA HELP DESK (CENTRAL TIME)
630 326 3107 : usaorders@motorscrubberclean.com
motorscrubberclean.com

Company Reg. 11227714
VAT No. 378 1140 39

Your Warranty

**LIMITED ONE-YEAR WARRANTY
MotorScrubber M3 12-VOLT DC TOOL**

We at MotorScrubber UK work hard to build the highest quality cleaning tools, we strive for perfection!

As the market leader in compact scrubbing machines, we select the highest grade components and continuously develop our machines, based on the valuable feedback from our customers.

Our aim is to build the world's most powerful, compact cleaning tool, which you can use all day every day without failure. We want you to be 100% satisfied with your MotorScrubber, in the rare event a fault should occur, we are here to help and ensure your machine is back up and running as soon as possible.

So that we can cover your warranty fully, please follow our terms.

Every MotorScrubber is thoroughly inspected and tested before leaving the factory. It is warranted to be free from defects in workmanship and materials, for the period of one year from the date of original purchase.

We sell our machines through a network of approved distributors able to support you with aftercare.

9 out of 10 faults can be fixed over the phone or by watching our support videos. Please check here: **www.motorscrubberclean.com/how-to-videos**

Should any problem covered by this warranty develop during the one-year period, follow the instructions in this booklet and return the unit, carefully packaged with freight prepaid to your original supplier.

Your supplier will inspect the item and liaise with us directly. If inspection shows the problem was caused by a defect in workmanship or materials, your supplier will repair (or at our joint option, replace) the unit without charge, return freight prepaid.

PLEASE DON'T VOID YOUR WARRANTY BY:

1. Making alterations to the product.
2. Repairing or attempting to make repairs by anyone other than an authorised MotorScrubber agent.
3. Mistreating, misusing or improperly maintaining or operating the product.

***Terms and conditions may vary depending on your country, please contact your local supplier for exact terms.**

Register your warranty at:
motorscrubberclean.com/warranty



Important Safety Instructions

- To protect against risk of electrical shock, do not put battery charger in water or any other liquid.
- Do not operate in the presence of explosives and/or flammable fumes or liquids.
- Do not store or carry battery so that metal objects can contact battery terminals – the battery could short circuit causing fire, personal injury or damage to the battery.
- Never attempt to open battery for any reason. If the housing of the battery breaks or cracks, immediately discontinue use and do not recharge. The battery should be replaced.
- Do not charge a battery if it is wet or shows any evidence of corrosion.
- Do not incinerate the battery; it can explode in a fire.
- Plug the battery charger directly into a 120VAC/60HZ or 240VAC, with the correct plug adaptor, electrical outlet (Do not use an extension cord).
- Charge the battery only with the MotorScrubber battery charger.
- Do not use the charger in wet or damp conditions. It is intended for indoor use only.
- Do not use the charger near sinks or tubs. Do not immerse in water.
- Do not allow the cord to hang over the edge of a table or counter or touch hot surfaces.
- Do not use charger for any other uses other than MotorScrubber batteries; other batteries may explode.
- Do not operate charger with damaged cord or plug. Replace the charger immediately.
- Do not operate charger if it has received a sharp blow, been dropped or otherwise damaged in any way. Return the appliance to your local distributor for examination, repair or electrical or mechanical adjustment. Do not disassemble charger.
- For best results, do not charge a battery when the battery or air temperature is below 40°F (5°C) or above 105°F (40°C).
- Unplug the charger when not in use and before cleaning or maintenance.

- Do not abuse the cord. To reduce the risk of damage to the electric plug or cord, never carry the charger by its cord or yank the cord to disconnect. Instead, grasp the charger plug and pull to disconnect. Keep charger cord away from heat, oil and sharp edges.
- Flush eyes and skin with water if contact is made with acid.
- **NEVER ATTEMPT TO OPERATE THE MOTORSCRUBBER FROM AN ELECTRICAL OUTLET. OPERATE THE MOTORSCRUBBER ONLY FROM THE 12-VOLT BATTERY.**

Troubleshooting

Is your machine not turning on?

- If your MotorScrubber is not turning on or is turning slowly, check the battery terminals are connected properly and motor to handle plugs are connected securely.
- Next, using a voltmeter, simply open the battery pack, disconnect the two leads at the battery, and touch the voltmeter probes to the terminals accordingly. A satisfactory reading would be approximately 11.5 to 13 volts.

- If the battery tests as satisfactory, the motor should be tested next. Disconnect the plug between the handle and the motor (wrap cord from handle with rubber band, to prevent cord from retracting into handle), connect the battery pack coil cord directly to the motor. If the motor now turns properly, the on/off switch or wiring harness within the handle is not functioning properly. If the motor still does not turn, the M3 is defective. Consult your selling distributor.

For additional help on using MotorScrubber products, please visit the support section of our website www.motorscrubberclean.com/how-to-videos

Don't forget to register your warranty.

Register at:

motorscrubberclean.com/warranty

