



**E100 Plus
Portable Floor Scrubber
Owner's Manual**



Please read this manual before using the floor scrubber and keep it for easy reference.

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INTRODUCTION

MANUAL CONTENT AND PURPOSE

This User Manual provides the operator with necessary information to use the E100 Plus machine properly and safely. It contains information about technical data, safety, operation, storage, maintenance, spare parts, and how to scrap it.

Before performing any procedure on the machine, all operators and qualified technicians must read this Manual carefully. Contact ERIClean for questions about this manual or for additional information. Operators must not perform procedures that should be completed by qualified technicians. ERIClean will not be responsible for damages coming from the non-observance of this prohibition.

HOW TO KEEP THIS MANUAL

This User Manual must be kept near the machine, inside an adequate case, away from liquids and other substances that may cause any damage to it.

DECLARATION OF CONFORMITY

Declaration of Conformity is supplied with the machine and certifies machine conformity with the law in force.

ACCESSORIES AND MAINTENANCE

All necessary operation, maintenance, and repair procedures must be performed by qualified personnel, or by our company-appointed service center. ONLY authorized spare parts and accessories should be used. Contact ERIClean for service, accessories, or spare parts purchases, if necessary.

CHANGES AND IMPROVEMENTS

We are committed to continuous improvement of ERIClean products. ERIClean reserves the right to make changes and improvements to products without providing notice.

SCOPE OF APPLICATION

The E100 Plus is for commercial and industrial use. It is suitable for cleaning smooth and solid floors when operated by qualified personnel. It is not suitable for outdoor use, carpet, or rough floor cleaning.

MACHINE IDENTIFICATION DATA

The machine serial number and model name are marked on the serial label. Use the following table to record the machine identification data when ordering spare parts for the machine.

MACHINE MODEL:

MACHINE SERIAL NUMBER:

SAFETY

SYMBOLS

The following symbols and terms are used throughout this manual to alert the reader to safety issues and important information:

SYMBOL	TERM	EXPLANATION
	DANGER!	Indicates a dangerous situation with risk of death for the operator.
	WARNING!	Indicates a potential risk of injury to people.
	CAUTION!	Indicates a caution or a remark related to important or useful functions. Pay attention to the paragraphs marked by this symbol.
	STRONG MAGNET	Indicates that the machine contains strong magnets. These can cause pacemakers to stop working or cause electronic data to be damaged, such as information stored on access passes.
	PACEMAKER	Indicates operator and maintenance crew wearing pacemakers should keep a minimal distance of 6 in/15 cm.
	BATTERIES	Indicates a battery-operated machine. Batteries must be charged according to the instructions in the user manual. Batteries must be disposed of according to local laws and regulations.
	SLIPPERY SURFACE	Indicates the machine can cause floors to become slippery. Place slippery surface cautionary signs in these areas.

GENERAL SAFETY INSTRUCTION

Specific warnings and cautions to inform about potential damages to people and the machine are shown below.



NON-INTENDED USE OF E100 PLUS

Non-intended use can have consequences for the safety of operators and bystanders and will void the warranty on the product.

- ☐ DO NOT operate the machine near toxic, dangerous, flammable and/or explosive powders, liquids, or vapors. This machine is not suitable for collecting dangerous powders.
- ☐ DO NOT fill the E100 Plus with any flammable detergent. ONLY use water-based cleaning solutions.
- ☐ DO NOT use water that exceeds 113°F/45°C. Using water above this temperature will void the tank warranty.
- ☐ DO NOT use cleaning solutions with pH below 3 or above 11 in order to prevent damage to sensitive components.
- ☐ DO NOT use the E100 Plus outdoors or on uneven surfaces.
- ☐ DO NOT operate the E100 Plus over electrical floor outlets in order to avoid electrical shock.
- ☐ DO NOT use the E100 Plus as stepladder or platform.
- ☐ NO RIDERS! Do not carry passengers on top of the E100 Plus.
- ☐ DO NOT store the E100 Plus outside in order to avoid damage to electronic components.
- ☐ If spare parts need to be replaced, order ORIGINAL spare parts from an Authorized Dealer or Retailer.
- ☐ KEEP AWAY from children! The E100 Plus is a professional cleaning machine to be used by trained adults only.

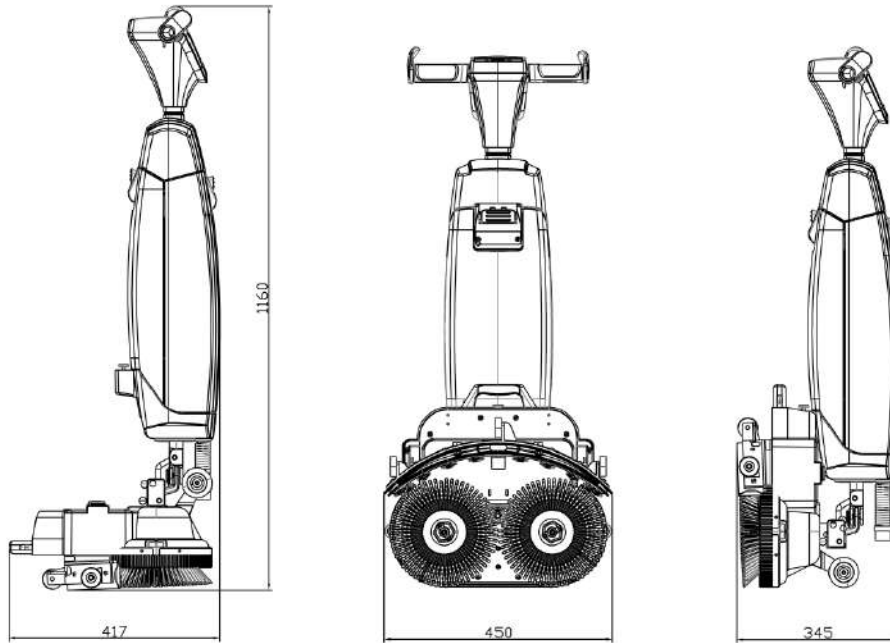
LIFESPAN

The E100 Plus has a three-year warranty on parts and a two-year warranty on labor. The wear on brushes and squeegee depends on the roughness of the surface; both need to be checked regularly. To ensure proper and safe operation throughout the life of the E100 Plus, the machine must be checked every 500 hours by an authorized partner.

MODIFICATIONS

It is not permitted to make modifications to the design of the E100 Plus without consultation and permission from the manufacturer. This affects the warranty.

SPECIFICATIONS



Technical Specification	Value
Rated Voltage	DC-36V
Working Efficiency	3,280 sq ft/hr
Cleaning Width	17 in
Brusher Dimension	8.5 in*2
Brush Speed	0-350 rpm
Brush Motor Power	120W
Brush Pressure	50 lbs
Vacuum Motor Power	120W
Solution Tank Capacity	1.25 gal
Recovery Tank Capacity	1.75 gal
Noise	65 db
Run Time	130 minutes
Battery Size	12Ah
Weight Empty	43 lbs
Dimension	45"x21"x15"

WARRANTY

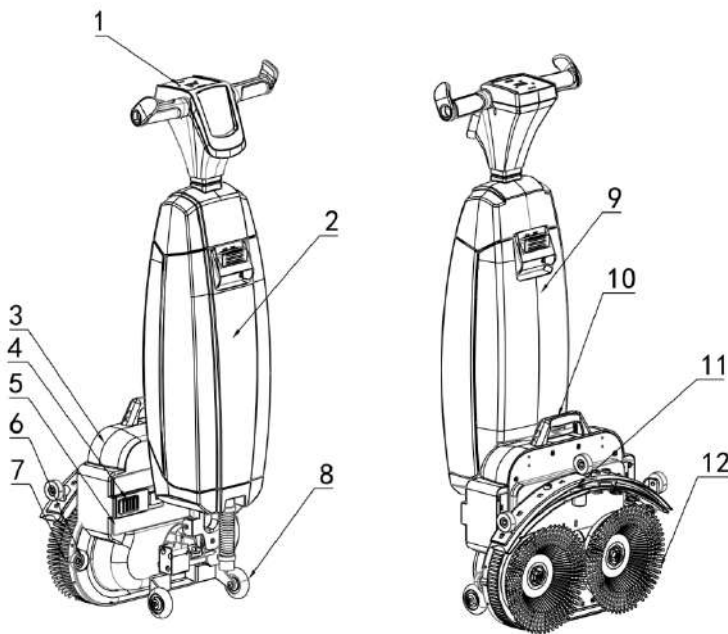
The E100 Plus should be used as intended and described in this manual. Using the E100 Plus outside will void the warranty on the product.

DESCRIPTION

The E100 Plus consists of two main parts:

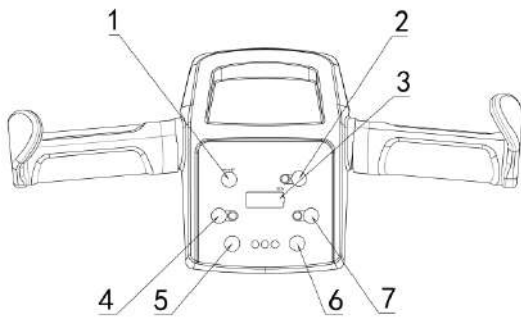
- The body that contains the motors (one vacuum motor, two brush motors), cleaning solution tank, recovery tank, handle, and control panel with three functional buttons and one power display window.
- The scrub deck that contains the brushes and squeegee.

The E100 Plus can be folded into a park position; this is recommended for storage. The E100 Plus consists of:



1	Top handle	7	Surrounding fence
2	Recovery tank	8	Caster wheels for transport
3	Scrub deck	9	Solution tank
4	Battery pack box knob	10	Carrying handle
5	Battery pack box	11	Squeegee assembly
6	Bumper wheels	12	Brushes

The main section of the top handle consists of:



1	Power switch (ON/OFF)	5	Brush on/off button
2	Water pump on/off button	6	Speed Adjustment – for low “-”
3	Battery indicator	7	Speed Adjustment – for low “+”
4	Vacuum on/off button		

SAFETY

Safety comes first. Therefore, please take your time to read and understand these safety instructions. Improper use can cause harm or void the manufacturer’s warranty.

GENERAL SAFETY INSTRUCTIONS

- ☐ **Sweep Before Scrub:** Remove objects from the floor that can be propelled by the rotating brushes.
- ☐ **Brush Condition:** Make sure to check the condition of the brush before use. Change the brush only when the machine is turned off and in a park position.
- ☐ **Machine Orientation:** Always keep the body of the E100 Plus in an upright position when cleaning solution or batteries are inserted.



Strong Magnets

Please be aware of the integrated magnets that hold the fluid tanks in place.



Warning

Operators and crew wearing pacemakers should keep a minimal distance of 6 in/15 cm.



Battery Pack

Always use the automatic battery charger provided by the manufacturer. During normal operation, the 36V battery causes no safety hazard on its own.

OPERATION

RISKS DURING OPERATION

- ☐ **Dress Safely:** Do not wear a necktie, scarf, or any loose or dangling clothing or jewelry while operating the E100 Plus. These can tangle in rotating parts, causing serious injury or death.
- ☐ **Mark the Job Site:** The E100 Plus is designed to leave a dry floor without slippery patches. No additional drying is required. When running the E100 Plus with the vacuum function OFF, please mark the job site with a wet floor marker.
- ☐ **Careful when parking:** Do not park the E100 Plus on ramps or slopes. Always park the E100 Plus on a level, hard surface.

RISKS AFTER OPERATION

- ☐ **Remove battery pack:** It is best practice to remove the battery before executing any cleaning or maintenance task, or before storage.
- ☐ **Machine orientation:** Always keep the body of the E100 Plus in an upright (parked) position when replacing brushes or squeegee.

TRANSPORT AND STORAGE



General

Always keep the body of the E100 Plus in an upright position when filling the cleaning solution tank or inserting the batteries. Before storage or transport, drain the machine and remove the batteries after each use.

Park Position

The park position is the upright vertical position for storage and maintenance tasks.

- ☐ Make sure the vacuum hose is pushed back into the machine so it cannot get squeezed.
- ☐ Crouch down and hold the handle with one hand while holding the scrub deck with the other hand.
- ☐ Lift the scrub deck slowly until it stands upright on the front wheels. Guide the body toward the scrub deck until snaps into a resting position.

TRANSPORT OUTSIDE

When Outside:

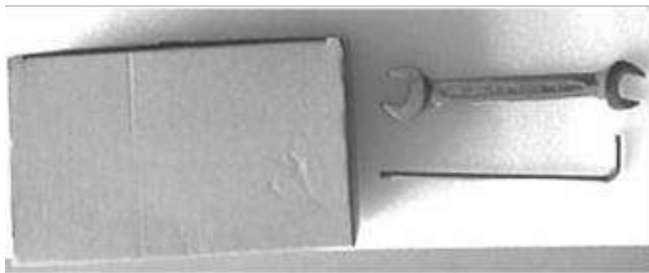
- ☐ Put the E100 Plus in park position (refer to below image).
- ☐ Carry the E100 Plus with one hand while holding the handle with your other hand.
- ☐ The transport wheels are not designed to roll over excessively dirty surfaces, as sand can cause the wheels to block. Lift the E100 Plus going from one building to another in areas of heavy sand/dirt.

ASSEMBLY AND INSTALLATION

The E100 Plus requires little assembly aside from inserting the wire connectors in the battery pack.

UNBOXING

The E100 Plus comes with one charger and two tool sets. One charger, one wrench, and one hexagonal screw wrench are included (refer to the below image).



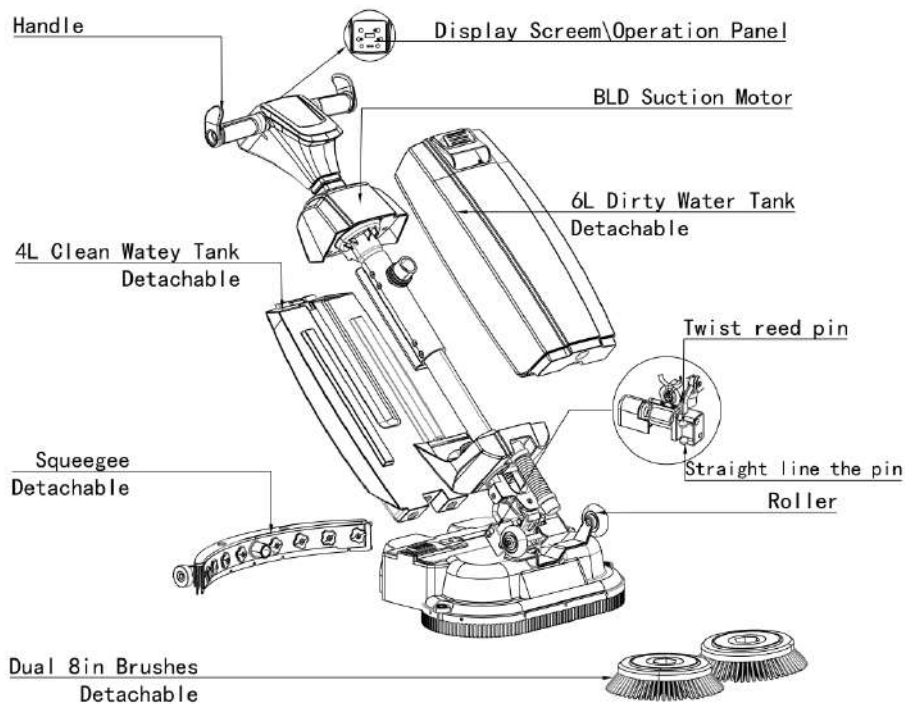
Before Operation:

- ☐ Charge the battery pack after correctly connecting it to the machine. Make sure the battery pack is charged at least monthly.
- ☐ Check the brushes and squeegee for wear and tear.

During operation, the battery indicator on the control panel shows the amount of power left. **It is not recommended to use the battery when charged below 40%.**

Fill the Cleaning Solution Tank

- ☐ Remove the stopper.
- ☐ Pour in a maximum of 1.8 gal/4L of cleaning solution.
- ☐ Replace the stopper and make sure it seals tight.
- ☐ Put the E100 Plus in park position.
- ☐ Put the tank on the E100 Plus with the valve first.
- ☐ Press the tank downward to break the valve seal.
- ☐ Push the tank into place until you hear a click.
- ☐ Clean your hands.



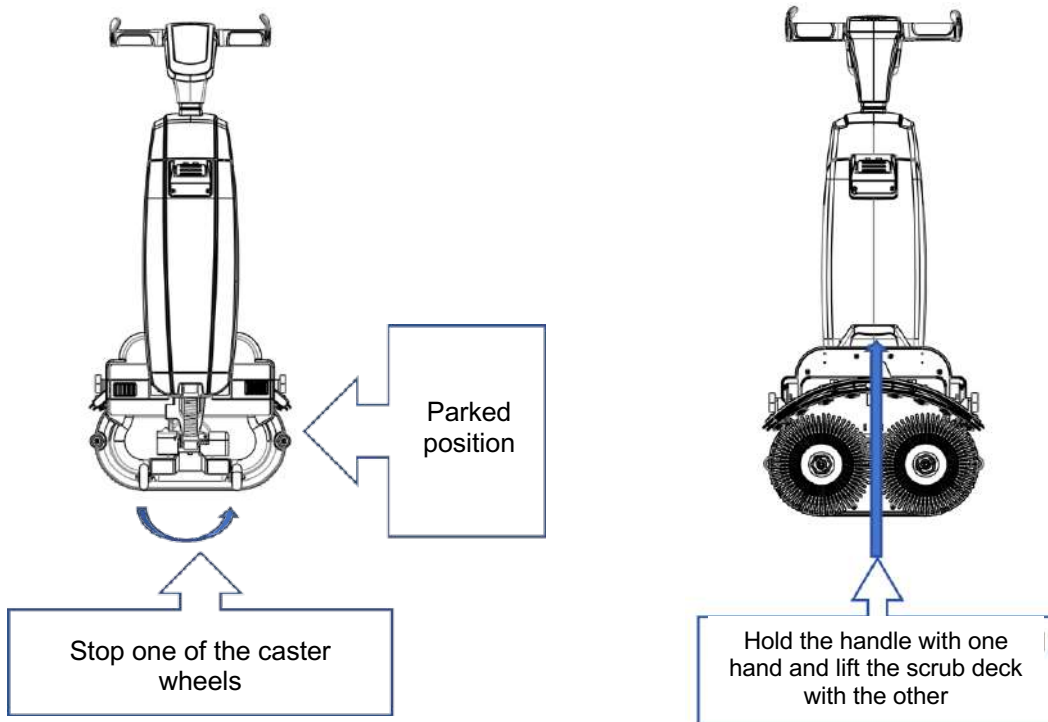
OPERATING PROCEDURE

WALKING TO THE JOB SITE

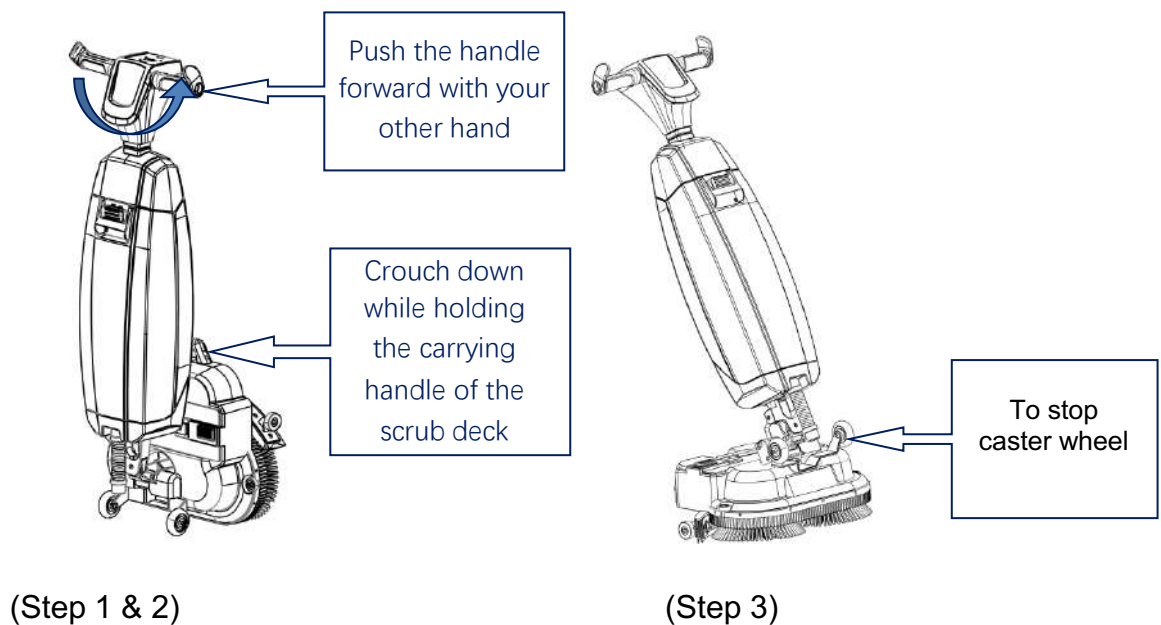
To move the E100 Plus from one location to another in a building:

- ☐ Put the E100 Plus in park position (refer to the below image).
- ☐ Hold the handle with one hand (refer to the below image).
- ☐ Walk slowly and pay extra attention if you pull the E100 Plus over obstacles. To lift the E100 Plus over obstacles, always use two hands. Hold the handle with one hand and lift the scrub deck with the other.

Reminder: If the floor is quite flat, you can also rely on the caster wheels for easy transport.



Note: Ensure the recovery tank is empty before transporting the E100 Plus on its caster wheels.

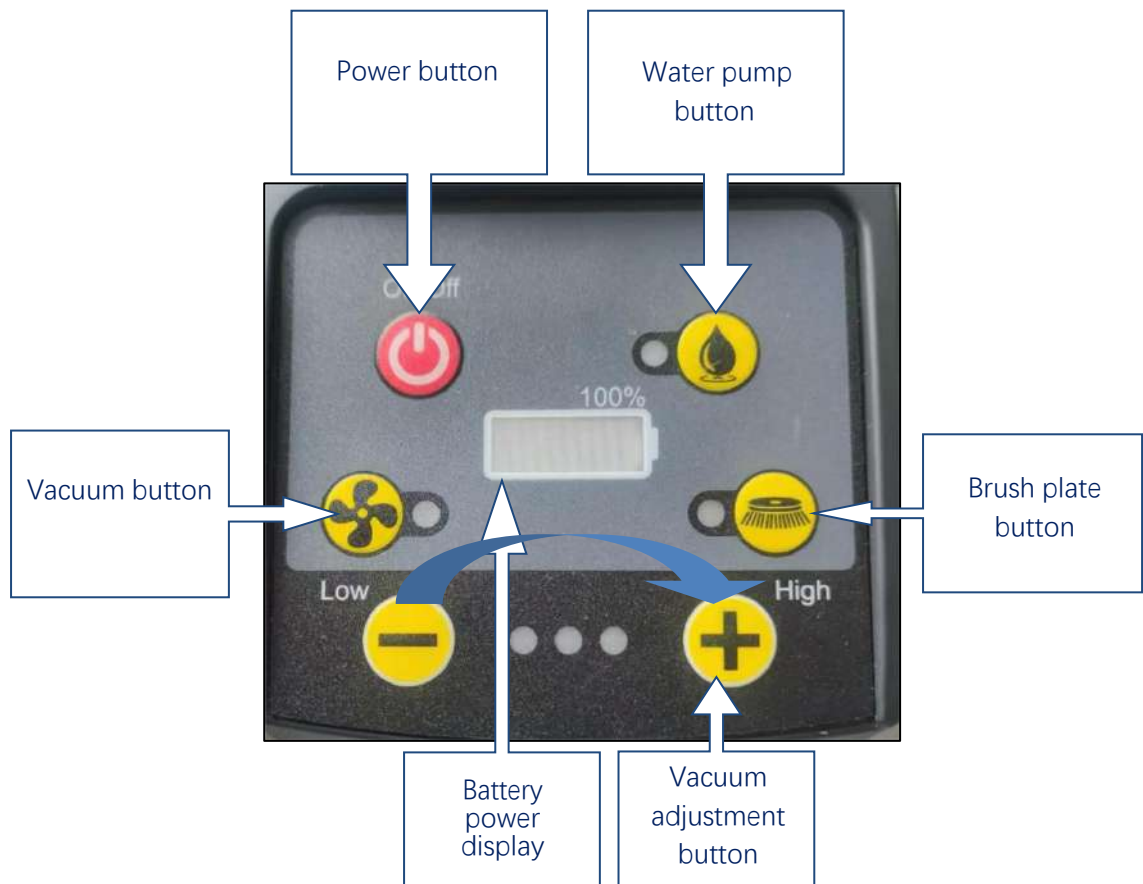


**WARNING**

Never push down on the scrub deck with your foot.

AT THE JOB SITE

- Crouch down while holding the carrying handle of the scrub deck firmly with one hand.
- Push the handle forward with the other hand.
- Bring the scrub deck slowly down to the floor.
- Stand behind the E100 Plus.
- Choose your cleaning mode via the mode buttons/switches (refer to the below image) after pressing down the main On/Off button first at the rear side of the control panel (refer to the below image). The battery indicator will illuminate.
- Hold the handle with both hands.
- Walk behind the E100 Plus.
- Steer by gently turning the handle left or right to move the scrub deck.



MODE 1: Vacuum only (Press the Vacuum button). The E100 Plus will not move forward automatically.

MODE 2: Brush only (Press the Brush button). The E100 Plus will move forward automatically.

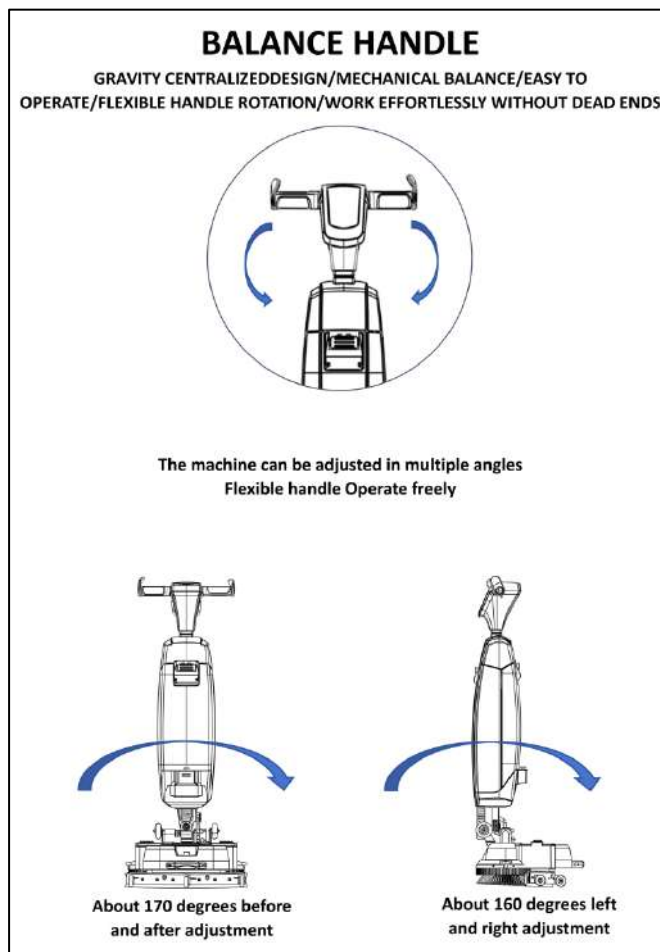
MODE 3: Water/Cleaning Solution only (Press the Water Pump button). The E100 Plus will not move forward automatically.

MODE 4: Vacuum and Brush (Press the Vacuum and Brush buttons).

MODE 5: Vacuum and Water/Cleaning Solution (Press the Vacuum and Water Pump buttons).

MODE 6: Brush and Water/Cleaning Solution (Press the Brush and Water Pump buttons). The E100 Plus will not move forward automatically.

MODE 7: Brush and Water/Cleaning Solution+ Vacuum (Press Brush, Water Pump, and Vacuum buttons). The E100 Plus will move forward automatically, cleaning the floor with water cleaning and vacuum automatically.



To stop cleaning the floor:

1. Press the Water Pump button to stop the water releasing;
2. Press the Brush button to stop the brush. After pressing the Brush button, continue moving the E100 Plus forward for approximately 15-30 feet.
3. Press the Vacuum button to stop the vacuum.
4. Press the On/Off button to power off the E100 Plus.

Note:

Pressing the main On/Off switch will immediately stop the E100 Plus. For best results, first turn off the Water Pump button and continuing moving the E100 Plus forward for approximately 15-30 feet to ensure any remaining dust or water is removed from the floor surface.



WARNING

- ☐ Do not operate the E100 Plus at greater than an arm's length. Operating below a 45-degree angle can cause water to run into the vacuum engine.
- ☐ Dispose of water or cleaning solution from both tanks in an appropriate drain.
- ☐ Even though the recovery tank is larger than the cleaning solution tank, be sure to empty it each time the cleaning solution tank is filled.
- ☐ Please observe the local regulations regarding solution disposal related to wastewater treatment.
- ☐ Be sure to completely flush the tanks and any remaining solution in the lines and valves.

CLEANING AND STORAGE

1. Refill solution tank with 0.5 to 1 liter of clean water
2. Use the E100 Plus main On/Off switch and choose MODE 7 Brush and Water/Cleaning Solution and Vacuum by pressing all three buttons.

CLEANING THE TANKS

1. Dispose of water or cleaning solution from the solution and recovery tanks in an appropriate drain.
2. To thoroughly clean the recovery tank:
 - Partially fill the tank with fresh water and hold it horizontally with the holes facing up.
 - Tilt the tank repeatedly, thoroughly rinsing all the dirt and debris from the tank.
3. To clean the solution tank, follow the same procedure.

TIP: Dry the tanks. **Slightly open both tank caps before storage to allow the tanks to dry.**

CHECK THE BRUSHES AND SQUEEGEE

1. Check to see if both brushes are clean and intact.
 - a. Clean the brushes under fresh water or replace them, if necessary.
 - b. Replace brushes if the yellow wear indicator is the same height as the other bristles.
2. Check to see if the squeegee is clean and intact.
 - a. Clean the squeegee with fresh water and wipe it with a clean, damp cloth.
 - b. Replace the squeegee blades when necessary.

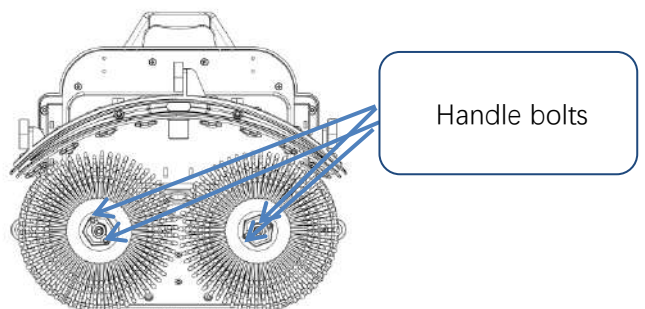
STORE IN AN UPRIGHT POSITION

1. Please ensure that the E100 Plus is parked in a place where it cannot be disturbed or damaged.
2. Put the E100 Plus in the park position.
3. Store the E100 Plus close to a wall with the handle pointing toward the wall and the brushes facing away from the wall.

MAINTENANCE

BRUSH REPLACEMENT

1. Put the E100 Plus in the park position.
2. The brushes connect on the machine by magnetic force. Grab the left and right side of the brushes (stripping pads holder) with two hands and pull the brush out against machine.
3. Visually inspect the motor disks.
4. Clean the E100 Plus scrub deck with a clean, dry cloth before you install the brushes or stripping pads holder.



SQUEEGEE REPLACEMENT

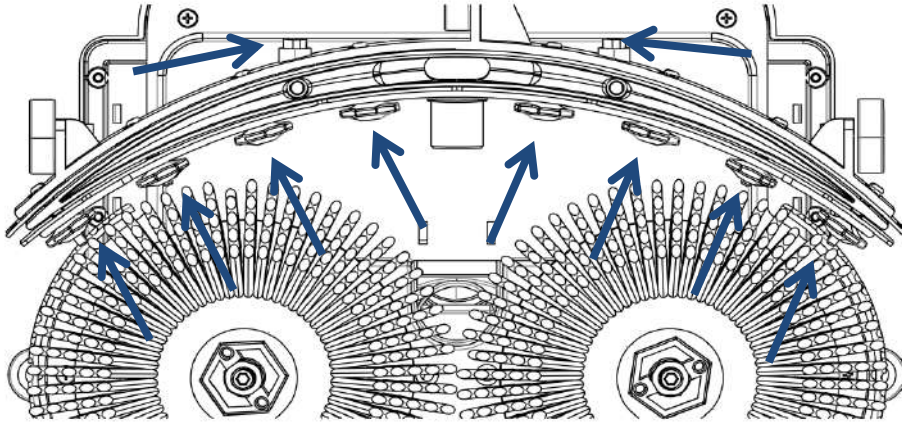
The squeegee blades come in pairs and wear out over time. When you notice the floor is no longer being dried properly, replace the squeegee blades.

DETACH THE SQUEEGEE

1. Put the E100 Plus in the park position.

2. Hold the scrub deck firmly with one hand.
3. Remove the two handle bolts counterclockwise by hand.
4. Pull out the squeegee.
5. Remove the vacuum hose from the squeegee by twisting the hose.

FLIP/REPLACE THE SQUEEGEE BLADE



1. Unscrew the 8 plastic nuts on the back (refer to the above image).
2. Remove the squeegee's rear plate.
3. Remove the rear rubber blade.
4. Push the 8 screws through the front blade to remove the squeegee's front plate.
5. Take off the rear rubber blade.
6. Inspect the front and rear rubber blades:
 - ☐ The first time: Flip the blades so the top of the blade faces the floor. Push the front plate screws through the holes.
 - ☐ The second time: Attach a new set of blades. Push the front plate screws through the holes.



CAUTION

The special squeegee blades that contain small arrow-like shapes cannot be switched. These need to be replaced every time.

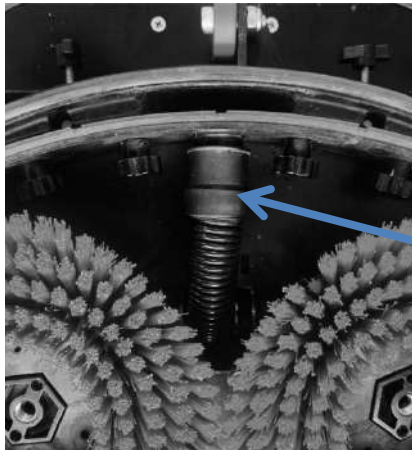
- ☐ Replace the plastic rear plate.
- ☐ Screw the 8 plastic nuts on the back.



ATTACH THE SQUEEGEE

1. Locate the vacuum hose.
2. Insert the hose connector (refer to image below) in the squeegee.
3. Twist the hose connector $\frac{1}{4}$ turn for a firm fit.
4. Carefully pull the vacuum hose from the top of the machine.
5. Hold the scrub deck firmly with one hand.
6. Align the pins on the scrub deck with the holes on the squeegee.
7. Screw the squeegee in place.

REPLACE VACUUM HOSE



Hose connector

1. Detach the squeegee as described in above sections.
2. Remove the solution tank. You can see where the vacuum hose is connected at the E100 Plus handle.
3. Hold the scrub deck firmly with one hand.
4. Detach the vacuum hose.
5. Carefully pull the vacuum hose from the top of the machine.
6. Guide the new vacuum hose via the opening to the hose connector located at the E100 Plus handle.
7. Connect the top to the hose connector by twisting the clockwise $\frac{1}{4}$ turn until they are aligned.
8. Reinstall the squeegee.

RECOMMENDED ADDITIONAL CLEANING

Clean the exterior of the E100 Plus weekly with a non-abrasive, non-solvent cleaner or a clean, damp cloth. To clean the scrub deck, remove the brushes first.

DECOMMISSIONING AND DISPOSAL

It is the responsibility of the E100 Plus owner to dispose of the product responsibly. After decommissioning, the E100 Plus still contains valuable resources and needs to be disposed of according to local laws and regulations regarding recycling of electrical equipment.



Before disposal please:

1. Flush the machine properly.
2. Remove the battery pack for separate disposal.
3. Remove all loose components like brushes, tanks, and squeegee.
4. Dispose all items according to local laws and regulations.

TROUBLESHOOTING

Problem	Cause	Solution
No power	No battery pack	Install battery pack
	Empty battery pack	Charge battery pack
	Battery pack incorrectly connected	Reconnect battery pack
Insufficient/No water flow	Wrong button on	Check the button on the control panel
	Main On/Off switch is "off"	Check the main On/Off switch button
	Empty tank	Fill the tank
	Tank incorrectly placed	The tank valve must be clicked on the nipple to open the seal. Reseat the tank.
	Filter blocked	Ensure there are no dirt particles in the solution tank and that the filter is clean
	Blocked water pipe	Request professional service
Poor water recovery	Squeegee opening blocked	Remove the water pipe and clean the squeegee opening
	Tears in squeegee blades	Replace squeegee blades
	Filter blocked	Check the foam filter and clean it, if necessary
	Vacuum hose blocked	Check and remove blockage
	Vacuum motor not running	Request professional service
Leakage	Tanks incorrectly placed	Check and reattach fluid tanks
	Tear in vacuum hose	Replace vacuum hose or request professional service
Battery not charging	Battery is at end of life	Replace battery

