

Robot Charging Dock

Installation, Operation & Safety Manual



Compatible robot families shown in the supplied source:
DG800 / DG801 / DG805 / DL33 / DL35 / DF35 / DF43 / DF45

Read this manual before installing or using the charging dock. This document is based on the supplied product images and compatibility information; model-specific electrical ratings must follow the label on the actual production unit.

1. Product Description

This charging dock provides a fixed return-to-charge station for compatible autonomous floor-cleaning robots. The robot approaches the dock, aligns with the base, and makes electrical contact through the two spring-loaded charging contacts on the ramp. The upright rear housing supports the docking geometry and contains the power interface.

Component	Function
Charging contact rails	Two raised conductive contacts transfer charging power to the robot when correctly docked.
Docking ramp	The low-profile platform guides the robot into the charging position.
Rear docking housing	Provides the physical stop/alignment surface and houses the dock electronics.
Power input connection	Located on the rear/underside area of the dock, as shown in the supplied product images.
Anti-slip feet	Underside pads help keep the dock stable during automatic docking.



2. Installation

- 1. Select the location.** Place the dock indoors on a hard, flat and level floor. Position the rear of the dock against a stable wall or other fixed vertical surface where practical.
- 2. Keep the approach path clear.** Leave sufficient open space in front of and around the dock so the robot can detect, approach and align with it without furniture, cables or loose objects blocking the route.
- 3. Connect power.** Connect the dock only to the power source specified on the rating label of the actual unit. Route the power cable so it cannot be trapped under the robot or create a trip hazard.
- 4. Check stability.** Confirm that the base sits flat and the anti-slip pads contact the floor. The dock should not slide when lightly pushed.
- 5. Verify contact surfaces.** Make sure the two charging contacts are clean, dry and free from packaging material, dust or debris before first use.



IMPORTANT

Do not install the dock in standing water, outdoors, on a wet floor, immediately next to a heat source, or where the charging contacts may be shorted by conductive objects.

3. Normal Operation

Automatic charging: With the dock powered and correctly positioned, use the compatible robot's normal return-to-charge / recharge function. The robot should approach the ramp, align with the dock and stop when its charging terminals engage the two dock contacts.

Confirm charging: Use the robot's charging indicator, display or application to confirm that charging has started. If charging does not begin, do not repeatedly force the robot against the dock; use the troubleshooting steps below.

Removing the robot: Allow the robot to leave the dock through its normal control command. If manual removal is necessary, move it gently without twisting or damaging the charging contacts.



4. Cleaning & Maintenance

Disconnect power before cleaning the dock. Wipe the enclosure with a soft, dry or slightly damp cloth. Keep the charging contacts clean and dry. For contact contamination, use a dry lint-free cloth; do not use abrasive tools, metal objects or aggressive solvents. Periodically inspect the power cable, connector, housing, ramp and contacts for damage or looseness.

5. Troubleshooting

Symptom	Recommended check
Robot cannot find the dock	Confirm the dock has power; clear obstacles around the approach path; place the dock on a flat surface and avoid moving it frequently.
Robot reaches dock but does not charge	Check alignment; inspect both charging contacts for dirt or obstruction; verify the robot terminals are clean and the dock is connected to the correct power source.
Robot repeatedly backs away	Make sure the dock is stable, the ramp is unobstructed, and the approach area provides enough room for alignment.
Intermittent charging	Clean the contact surfaces and check for mechanical damage, loose power connections or poor seating.
Dock becomes unusually hot, smells abnormal or is damaged	Disconnect power immediately and stop using the product until it has been inspected or replaced.

6. Safety Information

Use the dock only with compatible equipment and the electrical supply specified on the unit label. Do not disassemble, modify or repair the dock while connected to power. Do not touch the charging contacts with metal tools or intentionally bridge the contacts. Keep children from playing with the dock or power cable. Disconnect power before cleaning or long-term storage. If the enclosure, cord, connector or charging contacts are damaged, discontinue use.

7. Compatibility & Identification

The supplied product source identifies this dock as compatible with robot models DG800, DG801, DG805, DL33, DL35, DF35, DF43 and DF45. Always compare the physical charging interface and the electrical rating of the replacement dock with the original equipment before use.

