

OPERATIONAL DESCRIPTION

1.1. EUT description

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4.6 Stopping the Cleaner and Removing from the Pool

The automated Lift System makes removing the cleaner from the pool simple. The Lift System will move the cleaner toward the edge of the pool then drive it to the surface for removal.

1. At the end of the cleaning cycle, or at any time during a cleaning cycle, press  to begin the automated lift procedure.

Press and hold the Lift System button to turn cleaner to the left. Cleaner will keep rotating left. Once the cleaner is oriented towards the wall of your choice, release the button.

Press and release the Lift System button and the cleaner will drive up the wall and to the water line and wait to be retrieved.

The screen displays  when the Lift System is in operation.

NOTE: To stop the lift procedure at any time, press .

2. When the cleaner is within arm's reach, use the handle to remove from the water (Figures 18, 19). Never lift the cleaner out of the pool by the floating cable.

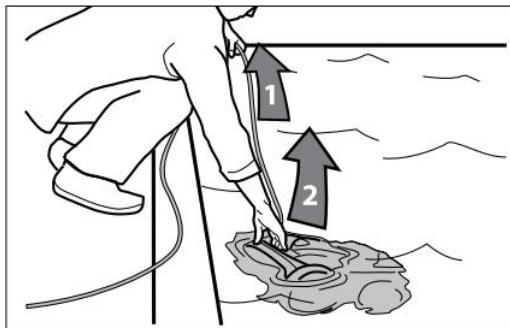


Figure 18. Remove Cleaner From Pool with Handle



Figure 19. Keep Cleaner Vertical to Drain Water



4.7 Operating the Cleaner with the Remote Control (9500 Sport/P95 only)

The Polaris 9500 Sport and P95 robotic cleaner comes with a handheld remote control stored on the cleaner caddy next to the control unit. The remote control is factory-synchronized to your cleaner's control unit.

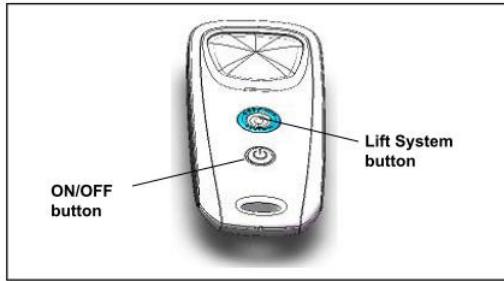


Figure 20. 9500 Sport/P95 Remote Control

- To turn on the remote control:

Press  (see Figure 20) and hold for 3 seconds.

The display shows  to indicate the cleaner is now operating in remote control mode.

- To pilot the cleaner, point the device toward the cleaner in the water and move directionally as shown in Figure 21.

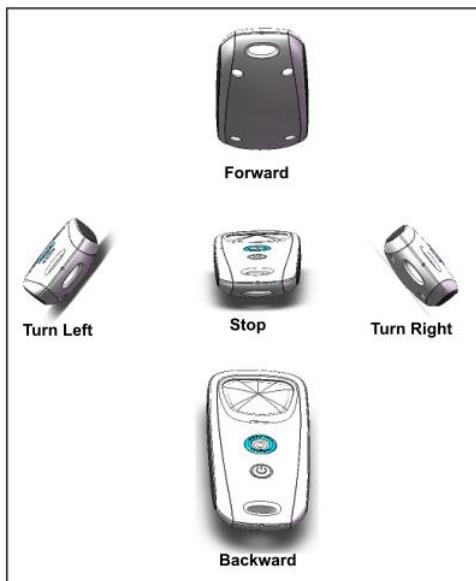


Figure 21. Remote Control Directional Commands

- To remove the cleaner from the pool using the remote control, press  (see Figure 20).

The cleaner rotates left until you release the Lift System button.

4.8 Synchronizing the Remote Control

Even though the remote control is factory-synchronized to your cleaner's control unit, it may be necessary to synchronize again if you need to replace either the control unit or the remote control.

- To synchronize the remote control to the control unit:

Press  and hold for 3 seconds to turn on remote. Plug the control unit into a power source.

When the display shows the operating time, press  and  simultaneously for six (6) seconds.

- The display shows **600d** followed by the normal operating time display to indicate the cleaner is now synched with the remote and ready to begin operating in remote control mode.

4.9 Storing the Cleaner

The cleaner must be cleaned regularly using slightly soapy clean water. Do not use solvents such as trichlorethylene or its equivalent. Rinse the cleaner generously using clean water. Do not let your cleaner dry in direct sunlight near the pool. The cleaner must be stored on its caddy so that it dries quickly.

- Place the rear wheels on the caddy side wedges.
- Place cleaner in vertical position on the caddy base and clip to hook (Figure 23).
- Disconnect the cable from the control unit. Replace the protective cap on the control unit.
- Starting at the cleaner head. Remove all coils and tangles from the cable (Figure 22).

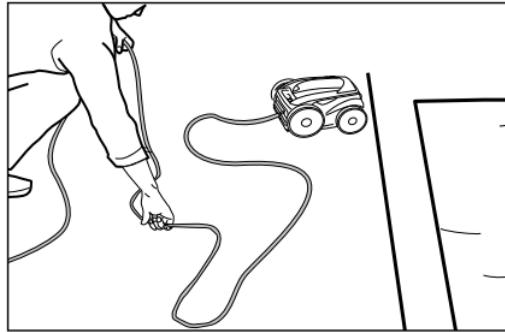


Figure 22. Smooth the Power Cable

- Loosely coil the power cable starting at the cleaner and moving toward the connection point at control unit. Store the cable by wrapping it around the hook located on the front of the caddy (Figure 23).

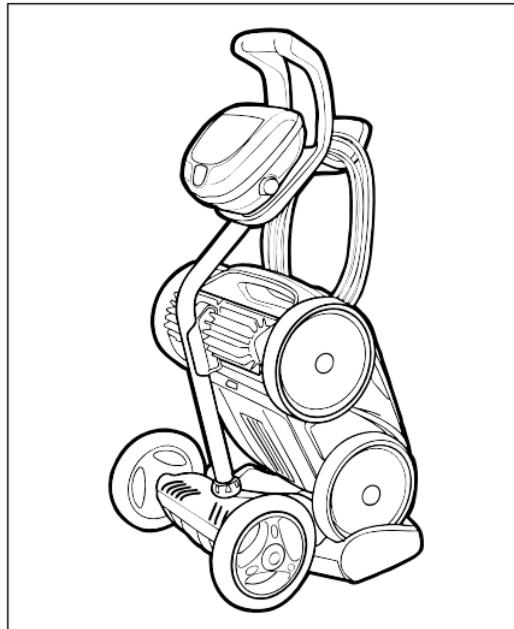


Figure 23. Cleaner Correctly Stored on Caddy

1.2. Related Submittal(s) / Grant(s)

All host equipment used in the test configuration are FCC granted, when relevant.

1.3. Tested System Details

The system was configured for testing in a typical fashion (as a customer would normally use it). All configurations of EUT is considered, worst cases are presented in this test report.

- **Power supply:**

- Batteries: 2 x 1.5VDC LR03 AAA provide by manufacturer.

During all the tests, EUT is supplied by this power.

- **Input/output:**

- 1 x Antenna, ceramic

- **Cables:**

- None

- **Auxiliaries equipment used during test:**

- None

- **Equipment information:**

- Frequency band:	[2400.0-2483.5] MHz	<input type="checkbox"/> Wifi	<input type="checkbox"/> Bluetooth	<input checked="" type="checkbox"/> Zigbee
- Standard:		<input type="checkbox"/> FHSS		<input checked="" type="checkbox"/> DSSS
- Spectrum Modulation:		<input checked="" type="checkbox"/> QPSK	<input type="checkbox"/> Pi/4 DQPSK	<input type="checkbox"/> 8DPSK
- Modulation type:	16 channels			
- Number of channel:		<input checked="" type="checkbox"/> 5MHz	<input type="checkbox"/> 2MHz	<input type="checkbox"/> 1MHz
- Channel separation:				
- Channel tested:	Full test on 2405MHz, 2445MHz and 2480MHz			
- RF mode:	<input checked="" type="checkbox"/> TX/RX	<input type="checkbox"/> RX	<input type="checkbox"/> Standby	
- Antenna type:	Integral, ceramic		2dBi (declaration of provider)	
- Antenna connector:	<input type="checkbox"/> Permanent external		<input type="checkbox"/> Permanent internal	
	<input checked="" type="checkbox"/> None			<input type="checkbox"/> Temporary (only for tests)

1.4. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-2003 FCC Part 15 Subpart B and C.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.5. Test facility

Tests have been performed from December 10th to 13th, 2012.

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4-2003 in a letter dated March 25th, 2008 (registration number 94821). This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, accreditation number 1-1633 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.