

SPECTRUM[®] ***Aquatics***

A **PLAYCORE**[®] Company

Tips for Optimizing Battery Operated Lift Performance and Longevity

A Guide to Care and Maintenance

2020



800-791-8056

www.spectrumproducts.com

BATTERY CHARGING & INSTALLATION

The battery is shipped out of the manufacturer's facility fully charged, but it will need to be recharged after the first several hours of use. Charging time is approximately 12 hours for the first few charges, 4 hours after the first two full battery cycles, at which point the battery will reach maximum capacity. Each lift is supplied with a battery charger for use in dry locations.

Charging the Battery Weekly

- 1 Plug the battery charger into a standard (110 VAC) outlet. The green LED on the charger will light up, indicating that the charger is on.



- 2 Place the battery in the charging cradle.



If the battery is up to the charged voltage, the LED on the charger will stay green.



If the charger determines that the battery needs to be charged, the LED on the charger will change to red.



NOTE: If the battery light is green but your lift is inoperable, it is possible that the battery is no longer able to hold a charge. Please check the battery voltage with a voltage meter; a fully charged battery is 24+ volts. If the voltage is low, contact Spectrum Aquatics to discuss repair or replacement options.

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The red LED will turn green when the battery is fully charged. This charger has internal monitoring circuitry that will not overcharge the battery. If the battery is left on the charger for extended periods of time, the charger will go into short charging cycles at intervals to maintain optimal charge level.

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When the battery is fully charged, remove it from the battery charger and install the battery on the lift.

Charger



Lift Receiver



The Battery Capacity Indicator on the receiver will show a green LED light, indicating that the battery is fully charged and is installed properly.



When the LED changes to amber, the lift is still safe to use, but the battery should be recharged as soon as possible. When the LED changes to red, the battery pack needs to be recharged.

NOTE: Battery should remain on the lift during all pool operational hours to ensure ADA compliance.

Important Tips for Prolonging the Life of your Battery

To keep the battery from discharging to the point of causing damage, it is recommended to charge the battery weekly, even if the battery has not been installed on the lift. The battery will emit an audible beep if the level drops critically low.

Expectations of a Properly Maintained Battery

With proper care, the battery should last approximately 90 cycles at the full 350lb load rating of the lift before it needs recharging. The battery will need to be replaced after 500 to 800 charge cycles or 3-4 years if properly maintained (approximately 20,000 lifting cycles).

When Transmitter Battery Failure Occurs

Activate the controls (arrows located on the top side of the receiver), press the buttons and the lift will move in the direction indicated. These buttons can be used if the transmitter battery dies or in the event of an emergency.





Note: Some older lift models may not have these additional control buttons. Please contact Spectrum Aquatics for emergency operating instructions for these products.


RECOMMENDED POOL LIFT CARE AND MAINTENANCE SCHEDULE

TASK	WEEKLY	MONTHLY
Charge Battery	X	
Rinse lift with non-chlorinated water and wipe dry	X	
Clean with Specta Clean to passivate the stainless steel	X	
Apply dielectric grease to receiver/battery contacts	X	
Test lift for full operation	X	
Inspect all hardware to insure that it is snug		X
Lubricate all pivot points with light 3-in-1 oil (WD-40)		X
Grease lower bearing assembly with FDA-approved grease		X

POOL LIFT TROUBLESHOOTING GUIDE

PROBLEM	CAUSE	SOLUTION
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Lift will not operate at all	Low battery (lift) – Red or amber LED on the receiver	 Recharge battery
	Damaged battery (Lift) – Red LED on the receiver	Replace battery*
	Emergency stop in “Off” position	 Release emergency stop

The seat’s motion isn’t smooth or sticks at a certain point during travel	Excessive wear to bearings	Replace bearings*
	Excessive wear to actuator	Replace actuator*
	Poor battery connection	 Clean battery tabs and ensure proper connection

The seat moves much slower than normal	Low battery	Recharge battery
	Defective or worn-out battery	Replace battery*

The lift makes much more noise or unusual noises during travel	Excessive wear to bearings	Replace bearings*
	Pivot points galling	Oil pivots with light oil (3-1)

Battery will not charge	Charger fuse blown	Replace charger fuse
	Bad battery (red LED on charger – not turning orange or green in 4 hours or less)	Replace battery*

*Please contact your local distributor or Spectrum Aquatics’ Customer Service to order parts 800-791-8056. Or visit our website at www.spectrumproducts.com