

# DC 12/24v - Direct Drive Boat Lift Motor

LAKE LIFTER: 100 Industrial Drive, Avilla IN 46710 Ph: 260-918-2758 Email: sales@lakelifter.com

## IMPORTANT INFORMATION:

**12v or 24v POWER:** 12v or 24v battery power only (For best performance use 24v)

Unplug or turn OFF unit when not in use. Lightning & electrical surges can cause unattended operation. Powering unit OFF helps however, disconnecting the unit is the safest method of protecting the unit from damage while away.

**CONNECTION:** The battery wire should be less than 20ft in length for proper performance. Connect the Lake Lifter motor to a battery power source using the supplied power cable with safety FUSE and inspect regularly for good condition.

**FUSE:** ALWAYS use a fuse between the battery + connection and motor + wire.

If the fuse blows: Boat lift may have serious problems or motor may be faulty.

**12v or 24v POWER:** Use marine deep cycle battery or AMG batteries.

**Note:** LiFePo4 Batteries NOT recommended due to BMS & cold weather limits issues.

**WARNING:** READ AND UNDERSTAND ALL THE INSTRUCTIONS AND WARNINGS PRIOR TO USE. NEVER OPERATE LIFT WITH PERSONS IN, NEAR, OR UNDER THE BOAT OR BOAT LIFT. IMPROPER USE OF PRODUCT MAY RESULT IN DEATH, PERSONAL INJURY OR PROPERTY DAMAGE. IN THE EVENT OF UNINTENTIONAL OPERATION, IMMEDIATELY DISCONNECT THE UNIT FROM POWER SOURCE.

**ONLY FOR USE BY ADULTS OVER THE AGE OF 18 YEARS.**

**SAFETY:** For safe operation of the Lake Lifter Motor, complete installation before connecting to a power source. Ensure the winch box is secured and safely attached to the boat lift post. Inspect motor & winch regularly for structural integrity. DO NOT install the motor on a damaged or weakened winch box. Cease operation immediately and seek professional help for replacement or repair of any damaged components.

**LUBRICATE:** Frequently inspect and lubricate winch box chains & bearings to prevent excessive wear from motor use.



## Lake Lifter Direct Drive Motor: Limited Warranty

The Lake Lifter Direct Drive Motor is backed by a limited warranty for consumer use, valid for 2 years from the date of retail purchase. This warranty applies only in the USA and Canada. Register your product at: [www.lakelite.com/registration](http://www.lakelite.com/registration)

We warrant that the Lake Lifter Direct Drive Motor will be free from defects in material and workmanship, subject to normal wear and tear. This warranty does not cover defects caused by (I) overloading, (II) physical abuse, (III) improper installation or use contrary to instructions, (IV) commercial use, or (V) use in saltwater.

In the event of any defects, we will repair or replace the product, at our discretion. The consumer is responsible for shipping charges to return the product to us. However, we will cover the cost of shipping the repaired or replacement unit back to the consumer.

Please note that all expedited freight charges associated with warranty claims are the responsibility of the consumer, as are any 3rd party labor charges incurred in removing, transporting, or installing the motor.

We expressly disclaim all other warranties, including express warranties, UCC implied warranties, and warranties of merchantability and fitness for purpose. We are not responsible for any consequential or incidental damage.

To expedite warranty service, please complete and return the Warranty Registration Card along with a copy of your original retail sales receipt at the time of purchase.

To submit a warranty claim, please send your name, mailing address, original sales receipt, and a summary of the alleged defect to [sales@lakelifter.com](mailto:sales@lakelifter.com). For questions regarding warranty service and claims, please call us at (260) 918-2758.

LAKE LIFTER is a registered DBA of LAKE LITE INC.



For questions, concerns, missing or damaged parts, DO NOT return to retailer: Please contact Lake Lifter Service Department.

## Operating Instructions:

1. Ensure electrical cords are connected to GFCI power source and are not dangling in the water.
2. Turn the power switch to the ON position (lighted).
3. Insert Key into key switch and turn the motor UP to raise the boat lift and DN to lower the boat lift.

**IMPORTANT:** The motor should turn **clockwise** when lifting the boat. If the direction is opposite, then **STOP** immediately and reverse direction. The cable of the lift is wound on the drum backwards and must be corrected or serious damage may occur to winch, boat lift, or boat.



Key turn Switch

Power Switch

## Optional Pendant Switch

**⚠️ IMPORTANT: NEVER** operate the Key turn switch & pendant switch buttons at the same time. Damage can occur to Electronics & Motor.

1. Connect optional pendant switch to the motor and hang the pendant switch from the boat lift canopy in a location easily accessible from within the boat or boat dock.
2. The pendant switch will **ONLY** work while the power button is ON.
3. Use the UP or DN button to operate the lift
4. Frequently inspect pendant switch & wiring for damage. Damaged or shorted wires may cause unintended operation of the motor.



Optional pendant switch



Optional pendant extension cord



Pendant connection

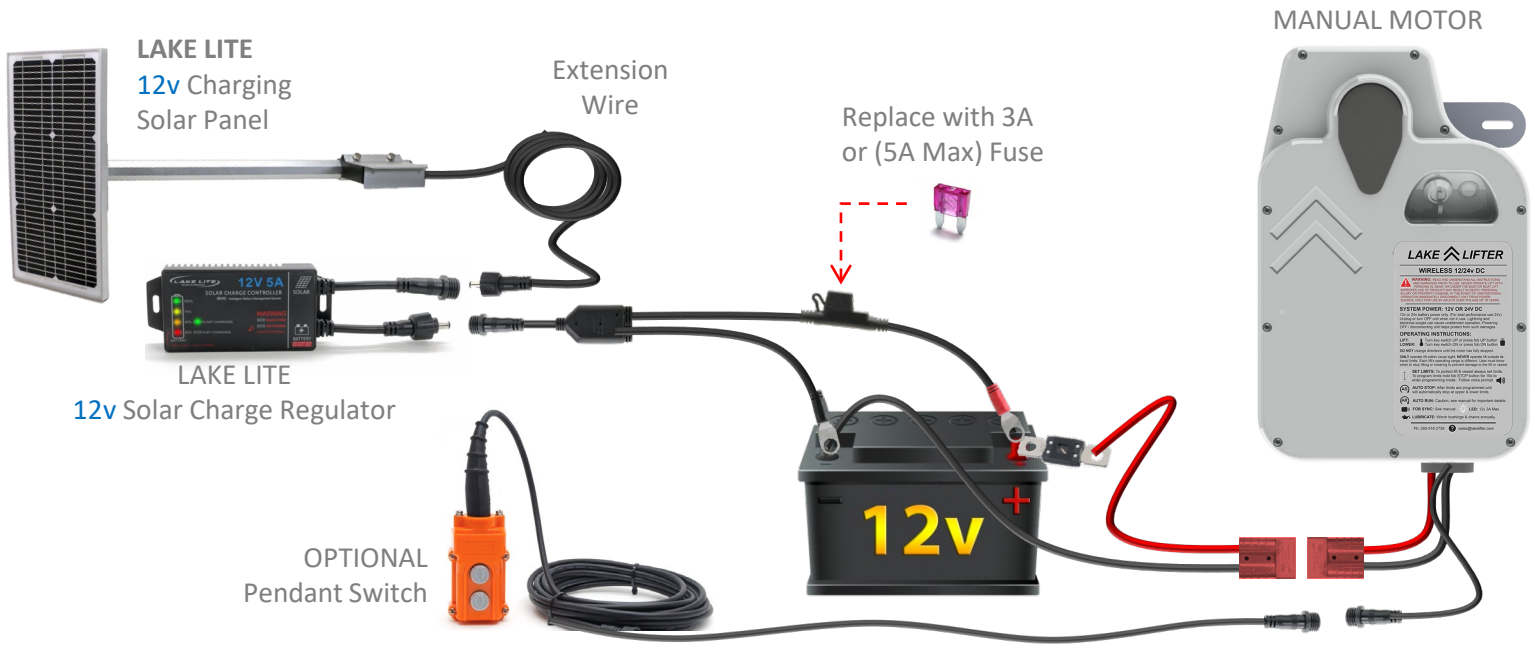
## Backup Drill Drive

**⚠️ IMPORTANT: DO NOT** use an impact drill: **Use a standard drill in NON-IMPACT mode!**

1. Use 9/16" deep well socket. Insert through hole under motor and secure onto the motor shaft.
2. Operate drill to lower or raise the boat lift.
3. **NOTE:** A powerful drill is necessary. It may be **IMPOSSIBLE** to raise the lift by drill with the boat on the lift.



## 12v Boat Lift Solar Charging Kit & Lake Lifter Direct Drive Motor



## 24v Boat Lift Solar Charging Kit & Lake Lifter Direct Drive Motor

