

# Owner's Manual

TideSafe by HydroGuard Marine



**WARNING: Do not operate lift without the initial control setup. Damage to your lift or boat may result from improper setup. Consult certified installer or factory representative for initial set-up.**

**Safety Tips:**

- This lift requires the use of a Ground Fault Circuit Interrupter (GFCI) electrical plug. Test GFCI on a monthly basis to ensure safe operation and proper lift functionality.
- Do not allow children to play or climb on or near the lift. Keep children away from the lift during operation.
- Do not overload the lift. Failure to comply with your lift's prescribed weight limit may result in damage to your lift or boat.
- Do not allow yourself to be distracted or walk away from the lift during operation.
- Make sure your boat's bilge pump is set for automatic, or remove the drain plug while vessel is lifted. Significant water accumulation in the bilge may overload the lift. Make sure any ballast tanks, live wells, or other sources of excess weight are empty/removed before lifting the boat.
- Lift is not designed for lifting people. Wait for lift to be in the down position before loading people and gear and remove all people and gear before lifting the vessel back to the up position.
- No persons should be under the boat while it is in the suspended position.
- Weight must be distributed equally port to starboard and bow to stern before lifting. Unequal weight distribution will cause the boat to not center properly and appear to be crooked on the lift.
- This lift should only be serviced or repaired by a certified and authorized technician. Any attempt to service, repair, or alter this lift or any of its components in any way is dangerous and may result in injury to person or property.

# Electronic Controller

## General Operation

Familiarize yourself with the Control Panel as shown in Figure 1. The simple to use interface consists of 5 buttons, they are: POWER ON/OFF, MODE, UP, DOWN, and STOP. There are also 4 Tank Indicator Lights (FIG 1 G-J): Front Left (FL), Rear Left (RL), Front Right (FR), and Rear Right (RR) that illuminate for each tank when the tank is active. Above the tank indicators, there is also a LEVEL OK indicator (FIG 1-F) that remains illuminated when the lift is in a level position.

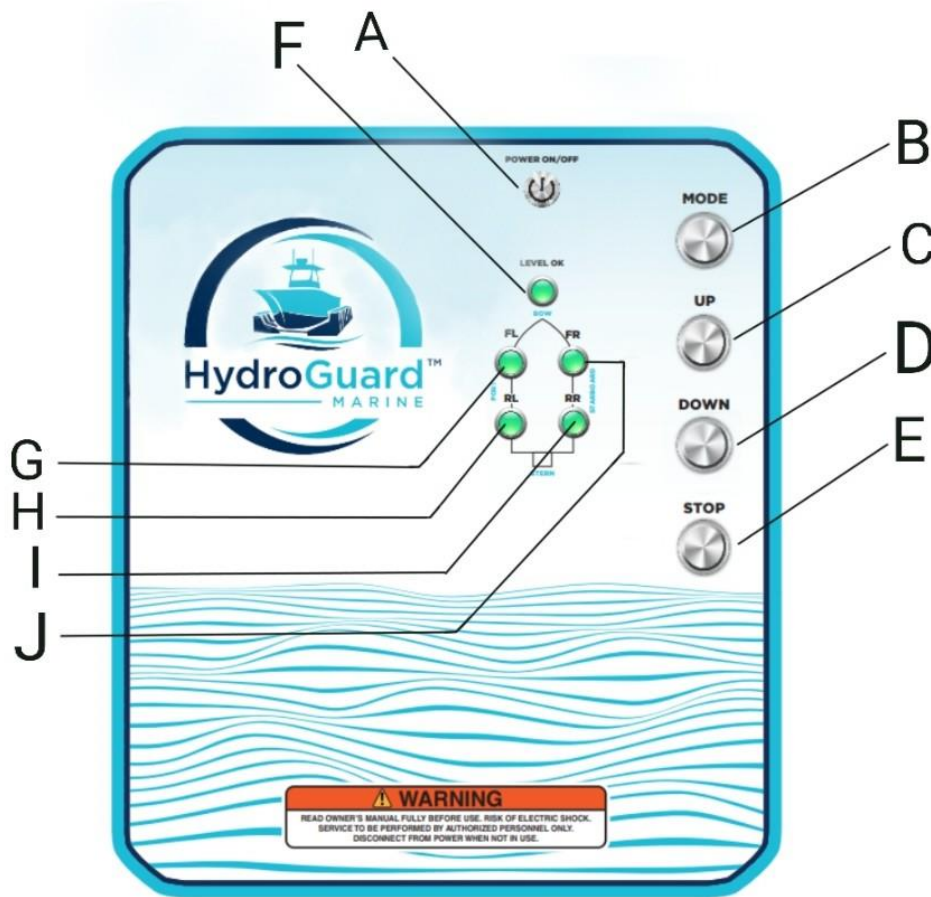


Figure 1

# Before operating your lift

- Visually inspect your lift for obvious damage or impediments to function before and after each use and periodically during any extended periods between uses.
- Ensure that your lift is plugged in using the supplied GFCI power cord. Ensure that the GFCI does not require reset.
- Use the POWER ON/OFF button (FIG. 1-A) to turn on your lift. The button will illuminate green to indicate that power is on.
- Make sure you are aware of the STOP Button (FIG.1-E) position. To halt the lift operation at any time, press the STOP Button.
- Your lift is in AUTO mode by default when powered on. To switch to MANUAL mode, refer to the section below that covers manual operation.
- Note that if power is lost or turned off during any operation all valves will immediately close and lift will hold position until power is restored and an operator command is given.

## Lowering the Lift in Automatic Mode

1. Press the DOWN Button (FIG.1-D). Your lift will automatically begin to lower your vessel. The valve indicator lamps (FIG. 1 G-J) will illuminate to identify as tank valves are opened/closed. Your lift will open and close the necessary valves automatically to bring your lift up or down while remaining level. Please note that the blower motor does NOT come on while lift is being lowered.

2. Allow the lift to submerge until your vessel is floating (Walkways will remain above the water). Your lift will shut off automatically after lowering for 5 minutes. If your lift is submerged before the 5 minutes elapses, you may press STOP at any time. If the 5 minutes elapses and your lift still needs to be further submerged, you may press DOWN again to submerge the lift to the necessary level.

3. Once the lift is fully in the down position you may untie lift safety lines from vessel, load on persons and gear, and disembark.

# Raising the Lift in Automatic Mode

1. Float the boat into the established appropriate position on the lift. Failure to center vessel both bow-stern and port-starboard will result in improper lifting and potentially damage to your lift and/or boat.
2. Tie off the safety lines to the boat.
3. All people, pets, and gear must be off the boat before lifting. Ensure the bilge and any ballast tanks are fully drained before lifting.
4. Press the UP Button (FIG. 1-C). Your lift will automatically begin to raise your vessel. The valve indicator lamps (FIG. 1 G-J) will illuminate to identify as tank valves are opened/closed. Your lift will open and close the necessary valves automatically to bring your lift up or down while remaining level.
5. Once the lift is fully raised, air bubbles will be visible exiting from all the tanks. Your lift will shut off automatically after raising for 5 minutes. If your lift is fully in the up position before the 5 minutes elapses, you may press STOP at any time. If the 5 minutes elapses and your lift still needs to be raised higher, you may press UP again to raise the lift to the necessary level.
6. Press the STOP Button (Fig. 1-E) once your lift is fully in the up position and bubbles are seen exiting from all tanks.
7. Turn off the lift using the POWER ON/OFF button (FIG. 1-A) and unplug the lift when you are finished using it. Unplugging your lift will help protect it from lightning strikes and other environmental hazards.

## Level Indication in Automatic Mode

- The LEVEL OK Indicator (FIG 1-F) will be illuminated green while going up or down in automatic mode to indicate that your lift is appropriately level ( $\pm 3.5^\circ$  or less).
- In auto mode, if your lift is more than  $\pm 3.5^\circ$  out of level the LEVEL OK indicator will flash green. This applies regardless of if your lift is being raised or lowered.
- If lift is out of level (greater than  $\pm 3.5^\circ$  with LEVEL OK light flashing) for more than 8 seconds the lift will cease operation and close all valves. Lift will need to be brought back to level using manual mode before automatic operation may resume. Refer to the section below on Manual Operation for more information on manually leveling your lift.

# Manual Operation Of Electronic Controller

1. Press and hold the MODE button (FIG 1-B) for greater than 1.5 seconds to enter Manual mode. Please note that if the lift is raising or lowering in Auto mode, you will need to press STOP (FIG 1-E) before entering Manual mode.

- One or more Tank Indicators (FIG 1-G-J) will be illuminated while in Manual mode. Please note that in Auto Mode, tank indicators will only be illuminated when the lift is raising and lowering.

2. Each additional press and hold for greater than 1.5 seconds of the MODE Button (Fig.1-B) will cycle through the different combinations of Tanks. You will have the option to manually raise or lower one side of the lift at a time using 2 tank pairs, or to raise and lower each tank individually.

3. When the desired Tank Indicator(s) are illuminated:

- Press and hold the UP Button (Fig.1-C) to raise the selected tanks.

- Press and hold the DOWN Button (Fig.1-D) to lower the selected tanks.

- Please note that in Manual mode operator has full control of lift and can adjust lift outside of the level parameters required for operation in Auto mode.

4. To exit Manual Mode use the MODE button to cycle through tanks until all Tank Indicators are off. All Tank Indicator lights will remain off while the lift is in Auto Mode and at standstill (not raising or lowering). You may also power off the controller and then wait 5 seconds and turn the controller back on. Your controller will always boot up in Automatic mode.

- If your lift is adjusted to greater than +/- 3.5° out of level in Manual mode, you will need to adjust lift back to level in Manual mode before Automatic mode operation can resume.

- If you are unable to level your lift or require additional assistance, please reach out to the factory or an authorized service technician.

# Manual Controller Operation

## General Operation

Familiarize yourself with the Controller as shown in Figure 2. The controller consists of a dump valve (FIGURE 2-A), 4-5 PVC ball valves (FIGURE 2-B OPEN VALVE) (FIGURE 2-C CLOSED VALVE, GFCI (FIGURE 2-D), and an On/Off toggle switch (FIGURE 2-E).

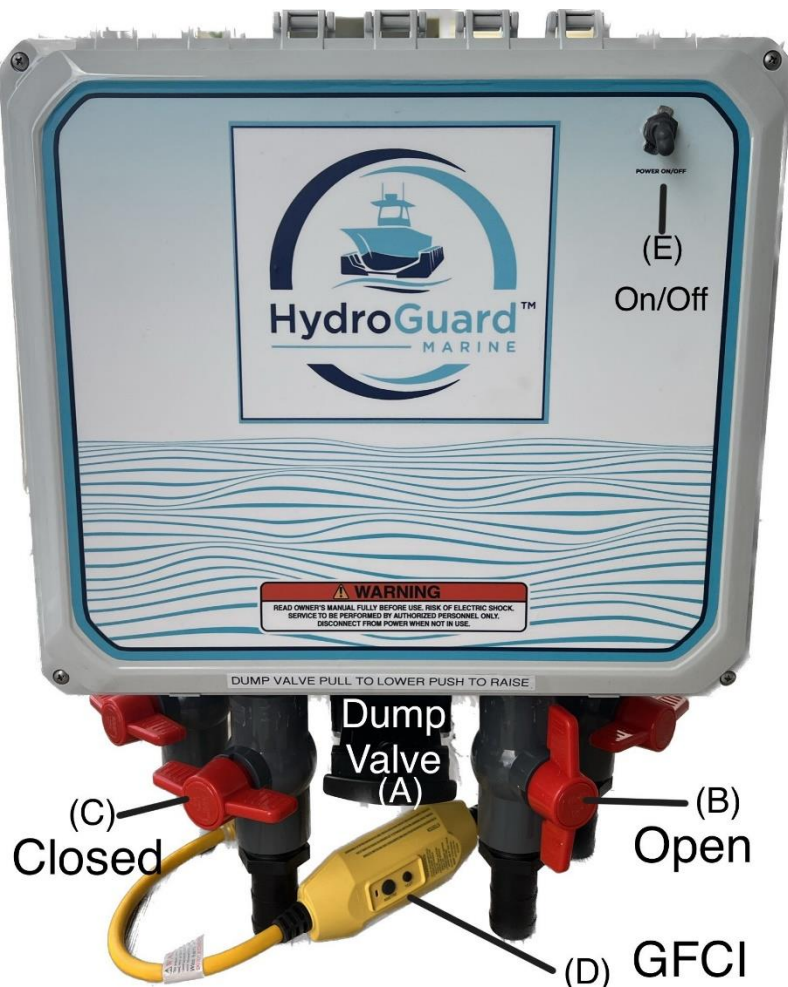


Figure 2

- The controller does not need to be plugged in to lower the lift.
- Do not allow yourself to be distracted or walk away from the lift during operation.
- Wait for the lift to be in the down position before loading people and gear.

# Lowering the Lift

1. Open all PVC ball valves (FIGURE 2-B {handle will be straight up and down})
2. Open dump valve (FIGURE 2-A). The lift will automatically begin lowering the vessel as water enters holes in the bottom of each tank. Valves may need to be adjusted to keep the lift level.
3. Allow the lift to submerge until your vessel is floating (Walkways will remain above the water).
4. Once the lift is fully in the down position, you may untie lift safety lines from vessel, load on persons and gear, and disembark.

\*The lift may be left in the down position while out on the boat. If you plan to have the boat off the lift for more than a day, please raise the lift until ready to use again.

# Raising the Lift

\*Prior to driving on the lift, have passengers disembark on a nearby dock. If a dock is unavailable, have all passengers seated in the back of the boat. Failure to do this could result in damage to the boat and/or bunks on the lift.

1. Float the boat into the established appropriate position on the lift. Failure to center the vessel both bow-stern and port-starboard will result in improper lifting and potentially damage to your lift and/or boat. Tie off safety lines to the boat.
2. All people, pets, and gear should be off the boat before lifting.
3. Ensure the bilge, ballasts, and holding tanks have been drained before lifting.
4. Close the dump valve (FIGURE 2-A). **PVC ball valves must remain OPEN.**
5. Ensure that your lift is plugged in using the supplied GFCI power cord. Ensure that the GFCI (FIGURE 2-D) does not require reset.
6. Flip the toggle switch (FIGURE 2-E) for the blower motor to the ON position to begin pushing water out of the tanks (ball valves may need to be adjusted to keep the lift level).
7. Once the lift is fully raised, air bubbles will be visible exiting from all the tanks.
8. Close all PVC ball valves (FIGURE 2-C).
9. Flip toggle switch (FIGURE 2-E) to the off position and unplug the power cord.



# Ownership and Maintenance Tips

With proper care and maintenance your HydroGuard lift will give you safe and reliable operation for many years to come. An important part of maintaining your lift is to inspect the following on at minimum a monthly basis:

1. GFCI trips properly when the TEST button is pressed and resets appropriately when the RESET button is pressed.
2. All air hoses are firmly attached and there are no apparent leaks. Valve 5 labelled EXHAUST on the underside of the controller should be outfitted with a tube no less than 8" long to prevent fingers or foreign objects from being inserted into the valve body.
3. All the aluminum components are structurally sound, and no heavy corrosion is visible. Check that all mounting and fastening brackets are secure and in good condition.
5. If rope mooring is used, inspect the ropes for any issues that may compromise their integrity. It is important to check lines frequently to ensure your vessel has not shifted on the lift due to wake or environmental factors.
6. It is very important to power on and run your blower fan at least once a month even during the off season. Press the UP button with the controller in Auto Mode and allow the motor to run about a minute to help keep the motor contacts and brushes clean.
7. If any electrical or mechanical issues are noted on your lift it is important to reach out to your factory approved repair technician immediately to prevent further damage to your equipment.

## **LIMITED WARRANTY**

This limited warranty covers only the original buyer of the TideSafe by HydroGuard Marine and is limited to residential use only. The limited warranty is not transferable to subsequent owners or purchasers of this product.

The parts warranty period begins on the date of purchase as shown on its receipt or invoice. This limited warranty covers defects in materials and workmanship as follows:

**Polyethylene Tanks:** Tanks will be repaired or replaced for a period of 10 years (replaced tanks are covered for the remainder of the original warranty).

**Structure/Frame/Mechanical Parts:** Aluminum and stainless-steel frame will be free from defects in material and workmanship for 3 years from the date of purchase (damage caused by electrolysis and/or corrosion is NOT covered). HydroGuard Marine, LLC will supply, at no charge, new or rebuilt replacements in exchange for defective mechanical parts (Hose clamps, frame, mechanical hardware, rubber connectors, manifold, and walkway). \*Return of product will be at HydroGuard's discretion.

**Electrical Components:** The blower motor will be free from defects in material and workmanship for a period of two years. The remaining components will be free from defects in material and workmanship for a period of one year. The purchaser will pay for all parts after the warranty period. HydroGuard Marine, LLC will provide necessary parts during the warranty periods described above, provided HydroGuard Marine receives notice of any such defects within the applicable specified warranty period (a minimum 12-gauge extension cord, no longer than 50' is to be used. If longer than 50' cord is needed, a lower gauge cord is required. Damage resulting from inadequate voltage is not covered)

**Labor:** If this product is determined to be defective, HydroGuard Marine, LLC will repair, at no charge, for a period of 3 years. Labor does not include travel time. The purchaser will pay for labor charges after 3 years.

This warranty shall be deemed void and unenforceable and the TideSafe shall be sold "AS IS" and "WITH ALL FAULTS," with the entire risk as to the quality and performance to be borne by the original purchaser without any implied warranties of fitness or merchantability if any of the following should occur: A) If the TideSafe should be installed at any location other than the original purchaser's address specified in the sales agreement. B) If the TideSafe shall be used in any commercial fashion or other than in accordance with the recommendations obtained in the owner's manual provided to the ORIGINAL purchaser. C) If the TideSafe is damaged by an event that is not the company's fault, such as, but not limited to, damage caused by accidents, misuse, overloading, negligence, alteration, modification, or abusive operation. D) If the original purchaser or anyone not authorized by HydroGuard Marine LLC attempts to make any repairs to the TideSafe or replace any of its component parts, or otherwise alter the TideSafe, the warranty will not apply. This warranty further does not cover any damages whatsoever including incidental and/or consequential damages resulting from any adverse weather conditions, acts of God or other causes not due to a defect in materials and/or workmanship of the TideSafe.

Accessories provided by the dealer such as extension cords, adaptor, fender balls and ropes are not covered. \*Damage due to improper maintenance or improper/inadequate voltage supply (i.e. cord that is too long or less than 12 gauge) is not covered.

Any claim must be in writing with proof of purchase and provided to your local dealer or distributor within 15 days of the discovery of the defect. You may also email HydroGuard Marine at [info@hydroguardmarine.com](mailto:info@hydroguardmarine.com) to obtain the benefit of this warranty. \*Return of the defective product will be at HydroGuard's discretion. This limited warranty does not assume the risk of loss during shipment, nor will it insure the product shipment to the consumer.

This warranty is the sole and exclusive warranty. No employee, agent, dealer, or other person is authorized to alter this warranty or make any other warranty on behalf of HydroGuard Marine. This warranty is valid from April 1, 2023.

Some countries, districts, or states do not allow the limitation or exclusion of relief, incidental, consequential, special, or indirect damages, or the limitation of liability to special amounts, so the above limitations or exclusions may not apply to you.