

# Owner's Manual

## SHORESCREEN POWER CURTAIN



Patent Pending

**Models:** CS24-108-7A, CS24-120-7A, CS26-120-7A, CS26-132-7A, CS28-120-7A, CS28-132-7A, CS30-120-7A, CS30-132-7A, CS34-132-7A, 36-144-7A, CS40-144-7A

Congratulations on the purchase of your ShoreStation ShoreScreen Power Curtain! ShoreStation has been dedicated to providing innovative, high quality, and reliable boat lifts since 1959. Our founder Byron Godbersen built the brand with the philosophy "We build it best...or we don't build it". That tradition continues today and ensures that your boating experience will be enhanced by the performance of your ShoreStation boat lift.


Thank you for choosing ShoreStation. Please study this manual carefully BEFORE operating the system and keep it in a safe place for future reference. If you have questions or concerns about the operation and/or service of your lift, please contact us at (800) 859-3028 or email [shorestation@midwestindustries.com](mailto:shorestation@midwestindustries.com).

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## Safety Definitions

Safety messages are presented throughout this document and labels affixed to the product. The messages alert you to potential hazards to you and/or property. The signal words **DANGER**, **WARNING**, and **CAUTION** are preceded by an alert symbol  and communicate the severity of potential hazard. The severity of each type of message is defined as follows:

- **DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.
- **WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.
- **CAUTION**, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



### **WARNING**

DO NOT INSTALL OR OPERATE THE POWER CURTAIN WITHOUT STUDYING THIS MANUAL AND INFORMATION ON LABELS INCLUDED WITH THE LIFT. FAILURE TO DO SO CAN LEAD TO IMPROPER OPERATION RESULTING IN SERIOUS PERSONAL INJURY AND/OR PRODUCT DAMAGE. IF YOU HAVE FURTHER QUESTIONS AFTER REVIEWING THIS INFORMATION, CONTACT A SHORESTATION REPRESENTATIVE AT (800) 859-3028.

## Safety Instructions

Every installation presents unique conditions that the customer should evaluate before operating the equipment. The following instructions must be followed, but may not encompass all potential hazards:

### **▲ WARNING**

- The system must be installed by a qualified installer using the process described in the installation manual provided with the system.
- Review all operating instructions before operating the system.
- The system should only be operated if the operator has clear vision of the lift equipment and its surrounding location.
- Do not allow children to operate or play on the equipment.
- Do not lower the curtain when people are inside boat and lift.
- Do not leave the lift empty with the curtain lowered. Doing can cause permanent damage to the lift and curtain.
- Do not operate the curtain in high wind.
- The curtain system should only be used with ShoreStation aluminum canopy frames.
- Never install or work on the equipment without first verifying that the A/C power supply (if present) is protected by a functioning Ground Fault Circuit Interrupt (GFCI) in accordance with National Electric Code section 210.8 and any additional local code requirements.
- Do not modify the equipment unless you have received direct written approval from the manufacturer (ShoreStation).

## Overview and Terminology

The ShoreScreen Power Curtain system has these key components: the curtain, roll bar, top & bottom frames, Idler corner, curtain motors, controller, and curtain guides (Figure 1).

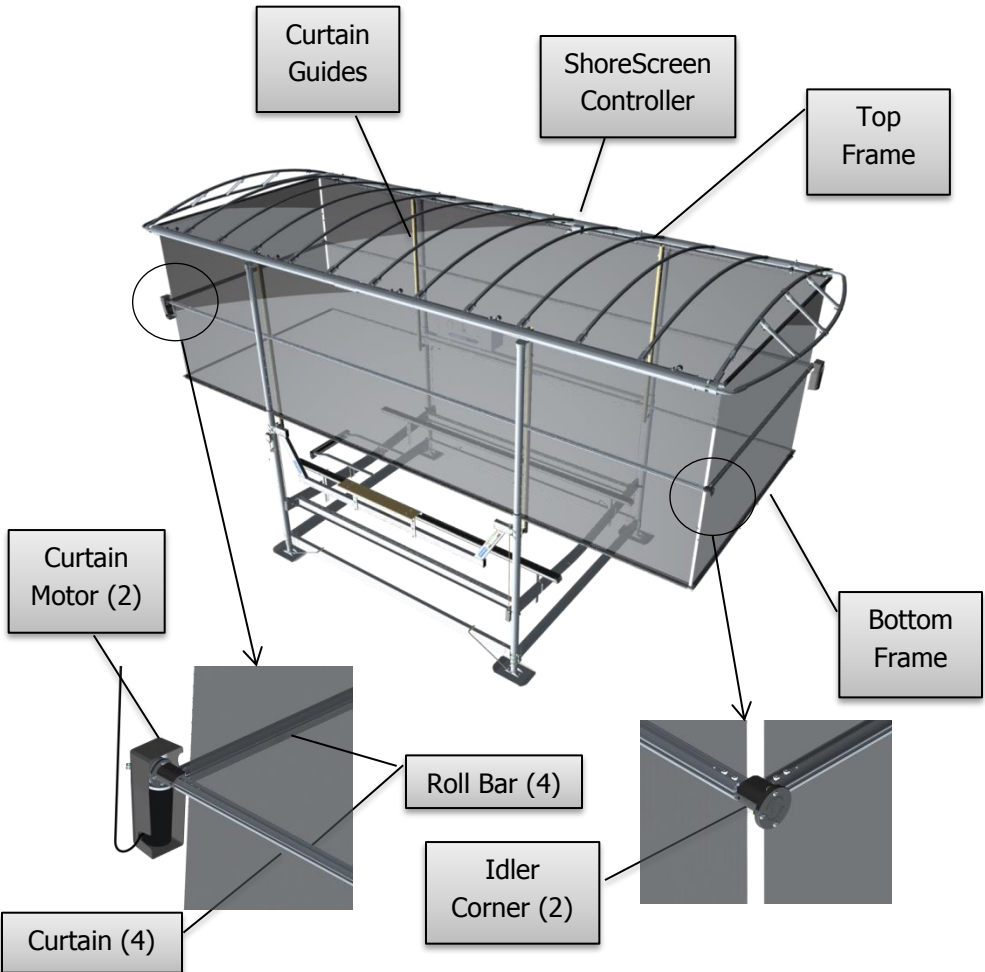


Figure 1 – ShoreScreen Power Curtain Components

The ShoreScreen Power Curtain is driven by two 12V DC motors. Each motor drives a corner gear that drives two roll bars. The corners without motors are tied together with idler gears that keep the entire system synchronized.

The gears are tied to roll bars that are fastened to side and end curtains. As the motors turn the curtain is wrapped around the roll bar. The system proceeds to climb the curtain, retracting as it goes.

Upper limit switch and backwind sensor are included with the curtain to stop the curtains movement. The upper limit switch stops the UP direction when the curtain roll contacts it. The anti-back wind switch stops the DOWN direct when the curtain contacts the back wind switch lever.

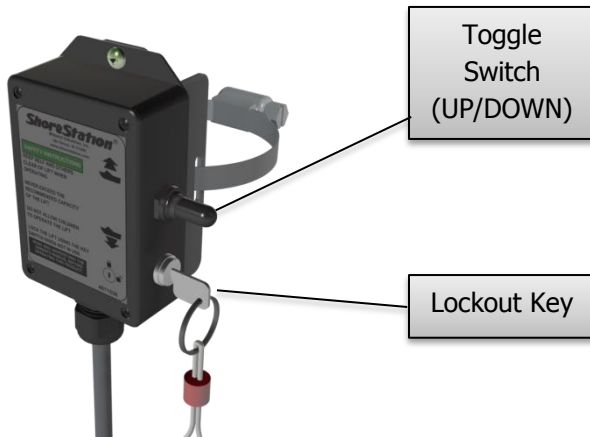
**NOTE:**

- ShoreStation recommends post-style load guides between the boat and curtain to protect the boat from curtain movement. Contact your ShoreStation dealer to determine what post load guide is correct for your lift.
- When operating the system, observe the curtain and surroundings to ensure the system does not snag on lift or boat components.
- Avoid operating the curtain in high wind. Wind will increase the drag on the curtain roll. In higher winds, the system may operate slowly or stall if the drag is too high.
- The curtain system will increase the wind load on the lift. ShoreStation recommends the installation of corner brace systems and lift frame weights with the curtain system.

## Curtain Operation

There are two methods of operating the curtain: wired dock switch (Figure 2) and wireless remote (Figure 3).

### Wired Dock Switch Operation



**Figure 2 - Wired Dock Switch**

#### **Step 1 – Unlock the curtain**

The lockout key disables the control system (wired and wireless). To unlock it, insert the key and turn clockwise 90 degrees (horizontal).

#### **Step 2 – Run the curtain UP or DOWN using the toggle Switch**

Follow all warnings and instruction printed on the Dock Switch Box. Press the toggle switch up to run the curtain up. Press the toggle switch down to run the curtain down.

#### **Step 3 – Lock the curtain**



When you are finished using the curtain, disable it by turning the lockout key counter clockwise 90 degrees (vertical) and remove the key.

## Wireless Operation

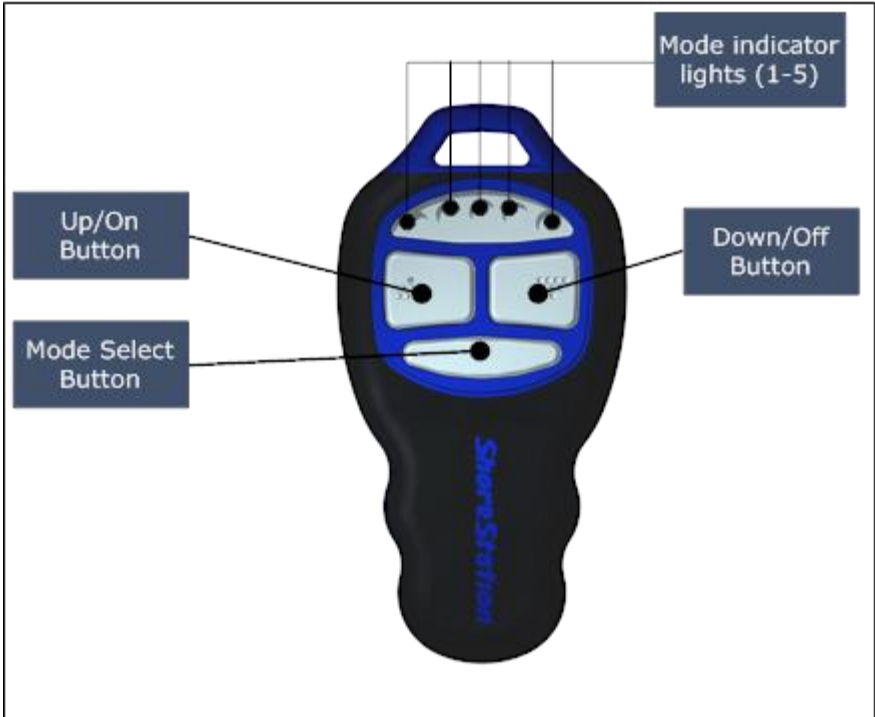


Figure 3 – Wireless Remote Control

### **⚠️ WARNING**

**NEVER LOWER THE CURTAIN WITH PEOPLE IN LIFT. DOING SO COULD RESULT DEATH OR SERIOUS INJURY!**

### **⚠️ WARNING**

**OPERATE THE CURTAIN ONLY WHEN YOU HAVE CLEAR VIEW OF THE CURTAIN AND SURROUNDING AREA.**

## Step 1 – Unlock the key fob

Lock mode is indicated by all 5 Mode Indicator lights flashing when a button is pressed on the key fob. The key fobs will automatically go into 'lock mode' after 3 minutes. In 'lock mode' the transmitter will not react until it is unlocked. To unlock the key fob, hold both the **Up** and **Down** buttons at the same time for 3 seconds. The *mode indicator light* will flash indicating that the key fob is unlocked and will operate the curtain. If no button is pressed for 3 minutes, the key fob will automatically go into lock mode.



## Step 2 – Select the correct key fob mode

The pairing instructions provided with the system pairs your curtain's remote with Mode 2 of the boat lift remote control. Change the remote to Mode 2 by pressing the select button. Mode 2 is indicated by the second from the left mode indicator light flashing.



## Step 2 – Up and down functions

Press and hold the **Up** button to run the curtain up. Press and hold the **Down** button to run the curtain down.

## Step 3 – Locking the key fob

The key fob will automatically go into lock mode after 3 minutes or you can lock the key fob by holding both the *Up* and *Down* buttons at the same time for 3 seconds. The flashing *mode indicator light* will turn off indicating the key fob is in lock mode



## ShoreScreen Maintenance

The ShoreScreen Power Curtain is a low maintenance system; however, all mechanical systems require frequent inspection and proper maintenance procedures to ensure proper, safe performance. The following procedures must be performed:

### **Before and after every operation**

- Inspect the curtain for debris and damage. Remove leaves, stick, and other debris before attempting to operate the curtain.
- Make sure the curtain is not caught on any lift components or components of the boat (wakeboard racks, fishing poles, etc.)

### **Every Season**

- Check all battery connections to make sure they are tight and not corroded. Connections should be carefully cleaned to ensure reliable performance. Contact your dealer to clean the connections if you are not familiar with the process.
- Clean the curtain and allow the curtain to dry before rolling up for storage. Refer to the Cleaning Procedures section of this manual.
- The corner gear cases can be greased if necessary using heavy duty lithium grease.

## **Cleaning Procedures**

- The curtain can be cleaned with mild soap and water.
- Avoid strong cleaners and disinfectants, especially those containing quaternary ammonium compounds and phenols.
- Rinse thoroughly with clean water after cleaning.

## **Winter Storage**

In most locations, the curtain system can be stored in the rolled position in the off-season. Before rolling up the curtain for storage:

- Clean the curtain and allow it to dry completely.
- Remove any debris (leaves, sticks, spider webs, etc.) from the curtain and roll bar.
- Unplug the lift battery from the curtain after rolling up.
- Remove the batteries from the remote controls and store indoors in a clean, dry location.

## Manual Operation

Manual operation is required if a component fails. To manually operate the curtain, disconnect the corner gears and motors and remove the screws from the upper and lower frames. This allows you to lift each side individually. Secure each individual side to the canopy frame using a load binder or rope.

## Technical Specifications

Part information and specifications are available on ShoreStation's PartSmart system. To access this system via the internet, go to:

<http://shorestation.com/parts/PartSmart.htm>

<b>System Voltage</b>	12V DC
<b>Battery Requirements</b>	MARINE DEEP CYCLE BATTERY MARINE CRANKING AMPS (MCA) 625 AMPS RESERVE CAPACITY OF OR EQUAL TO 180 MINUTES @ 25 AMP DRAW
<b>Wireless Remote Battery</b>	23A 12V (requires 2)
<b>Control Fuse</b>	5A Mini Spade
<b>Curtain Material</b>	<b>Phifer SunTex 80</b> Black vinyl-coated polyester mesh. Complies with RoHS/Directive 2002/95/EC, the US Consumer Product Safety Commission Section 101 and ANSI/WCMA A100.1-2007 for lead content.



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