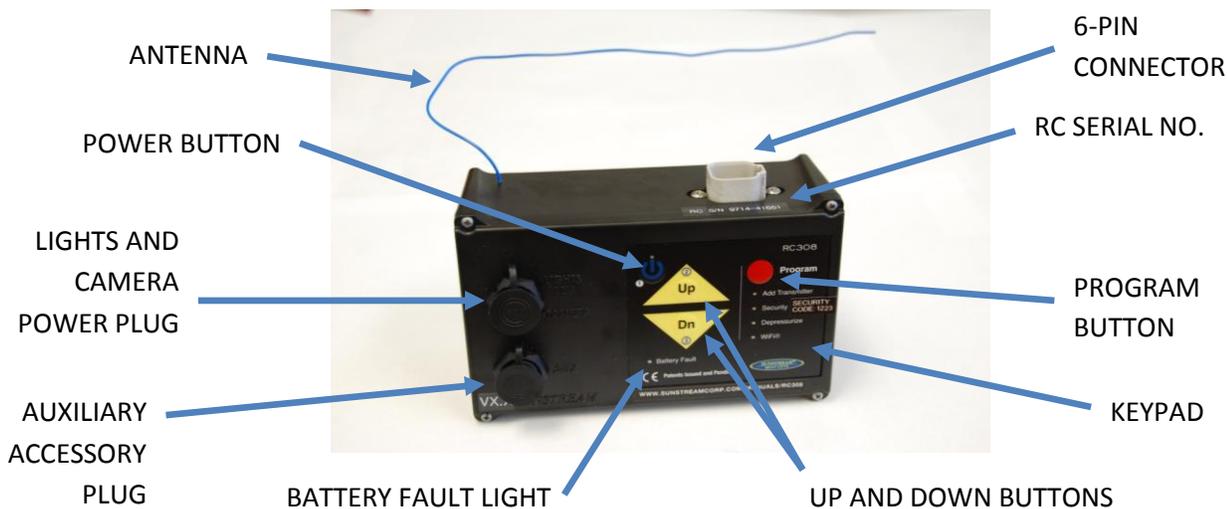


RC308



BOAT LIFT REMOTE-CONTROL INSTRUCTION MANUAL



WARNING: Only operate the lift when in clear sight of moving parts. Keep people away from moving parts.

CAUTION: Always leave your lift in the fully up and over-center position. For additional safety, secure your boat with dock line.

NOTICE: RC308 is only to be used on Sunstream SunLift™ and FloatLift™ models, and is not to be used for other purposes. Opening enclosure voids warranty.

Remote Control RC308 Basic Instructions



Note: exit 'PROGRAM MODE' to operate lift

Add Transmitter: Press and release Red 'PROGRAM' button once so 'Add Transmitter' light flashes, then press Up on Transmitter.

Clear Memory: Press and hold 'PROGRAM' button for 15 sec

Security mode will disable manual Up and Dn buttons on controller. To turn on Security mode, press 'PROGRAM' twice to scroll to 'SECURITY'. Enter Security Code and press 'PROGRAM'. (Combination of 1, 2, and 3) 'Security' light will remain lit when Keypad is disabled. To enable Keypad, enter correct Security Code and press 'PROGRAM'.

Depressurize feature depressurizes the hydraulics on SunLifts and some FloatLift models **for hose removal**. Press 'PROGRAM' 3 times to scroll to 'DEPRESSURIZE'. Press 'Up' then 'Dn' on keypad.

WiFi control/diagnostics/alerts for your lift are available for this RC by purchasing **Sunstream Tech Package**. If WiFi is not used, keep your WiFi turned off to save battery power. To turn on, scroll 'PROGRAM' 4 times to 'WiFi'. Press 'Up' to turn on Wi-Fi broadcast (flashing) or 'Dn' to turn off (light on). Press 'PROGRAM' to return to normal operation.

Complete instructions: www.sunstreamcorp.com/manuals/RC308

INSTALLATION INSTRUCTIONS (if not installed by factory)

The RC308 is compatible for lifts that use the previous RC306, but transmitters are not interchangeable.

1. Connect RC308 to 6-pin connector of hydraulic pump wire harness. LA-RCX12 wire extension is available.*
 2. Attach RC308 to reservoir of hydraulic pump with included Velcro strips (except for dual pump models)
 3. Position antenna away from electric motor of hydraulic pump. (for metal powerpack boxes, or if powerpack is located in a metal enclosure, extension antenna LA-RCA1 is required)
- * A 12 inch 6-pin extension wire harness is available (LA-RCX12) if existing pump wire harness is too short (for example: Dual Mini). If a small amount of extension is needed, the existing wire harness can be adjusted by rerouting wires and trimming existing wire shrink wrap.

RF TRANSMITTER (KEY FOB)

The RC308 only accepts a Sunstream LA-RCT4 (or LA-RCT4B) transmitter, as well as the Sunstream Hands-Free Controller LA-HF4. The Key Fob Transmitter is sealed. Previous Sunstream transmitters are not compatible. Transmitter control includes:

Channel 1:	Up (momentary)
Channel 2:	Down (momentary)
Channel 3:	Lights (timed- 5 min)
Channel 4:	Auxiliary circuit (momentary)

Add transmitter: press and release Red 'Program' button on RC308 box once. After the 'Add transmitter' light flashes, press 'UP' button on transmitter key fob. 'Add Transmitter' light will flash quickly when transmitter is enrolled.

To add the **Hands-Free controller**, use same process, but also repeat with 'Down' button.

Up to 8 transmitters can be enrolled. The 9th transmitter will erase the 8th transmitter. This is so a user's transmitter is less likely to be erased if the dealer enrolls a transmitter for test and service.

Erase transmitters: press program for approx 15 seconds until 'Add Transmitter' light flashes.

If the **'Battery Fault'** is activated on the controller, the **transmitters will stop working** by design to give indication of the problem. The lift can be operated using the controller keypad. Charging your Powerpack battery with an AC Charger usually corrects a battery fault. If not, replace your Powerpack battery.

BATTERY MONITORING

'Battery Fault' lights when battery voltage is low. Charge battery with an AC charger if 'Battery Fault' light is on.

SECURITY MODE

The keypad can be locked to prevent tampering with the lift. The transmitter and phone app still function in security mode. The factory setting of the security code is 1223, but this may be changed.

The keypad has only numbers 1, 2 and 3, which are selected by pressing 'Power', 'Up' or 'Down', respectfully.

To enable Security-

- Press Program button twice (to 'Security'). Enter security code (factory setting 1223, or your custom code) and press 'Program'.
- Turn Security mode 'OFF' by entering security code and pressing 'Program' button.

To customize your security code:

- Press 'Program' twice (to 'Security'), then press and hold 'Program' for about 5 seconds until the Program light flashes in a 2-flash pattern.
- Enter the old security code and press 'Program'. Light will flash in 3-flash pattern.
- Enter the new security code and press 'Program'. Light will flash in 4-flash pattern.
- Enter the new security code again and press Program. New code is programmed. Record your new security code in a secure place. Your dealer can reset your code back to factory settings if needed.

DEPRESSURIZE

The Depressurize feature will depressurize the hydraulic lines (for all SunLift/FloatLift models, except single pump FloatLifts). With no pressure in the lines, the quick disconnects can often be unscrewed by hand (after breaking free with wrench).

To Depressurize- Press 'Program' button 3 times to light up 'Depressurize' LED, then press 'Up' to depressurize one side, and 'Dn' to depressurize the other.

- The up button activates the up valve and depressurizes the cylinder extend (in SunLifts). The down button activates the down valve and depressurizes the cylinder retract (in SunLifts).
- In FL6, FL10, and FL13 Floatlifts, pressure is maintained by pilot-operated check valves and cannot be depressurized by this feature. Depressurize these systems by briefly running the lift in the opposite direction than was pressurized.

WIFI

The Sunstream Tech Package is currently being beta tested for the RC308. The Wifi is used for several functions:

- It allows the dealer to pull data and diagnostics from RC. With permission, data will be available to dealer wirelessly or through a cloud server for early warning of issues and diagnostics
- It will allow the user to use an iPhone™ or Android™ to control the lift, get lift data such as battery voltage and charging), control lift settings/security/power savings modes and receive diagnostics.

To use the future Tech Package smartphone app, you will need a Registration Code from your dealer. See your dealer for details. (Note: as of June 2014, app is in beta phase and not yet available on iTunes or Google Play)

WiFi Power: If the Tech Package is not used, the wifi circuit should be turned off to conserve power, especially if you are solar charging. The factory setting is off.

To turn on Wifi:

- Press 'Program' button 4 times until 'Wifi' light is lit.
- Press 'Up' to turn on Wifi circuit (light solid flashing).
- Press 'Program' to exit settings.

To turn off Wifi:

- Press 'Program' button 4 times until 'Wifi' light is lit.
- Press 'Dn' to turn off Wifi circuit (light solid on).
- Press 'Program' to exit settings.

LIGHTS PLUG

Optional underwater or Dock LED lights are available for SunLifts and FloatLifts (LA-LP2), and are plugged directly to the 'LIGHTS' plug on the top of the RC308. The Lights are controlled with button #3 'LIGHT' on the transmitter and are latched on for 5 minutes. Do not exceed 500mA (protected by auto-resetting circuit breaker).

CAMERA

The RC308 hardware is designed to power a future WiFi web cam to be used with the Tech Package App in the future. Register your lift on the Sunstream web site to get new product availability notifications.

AUXILIARY OUTPUT

The 'AUX' plug is wired for future accessories, such as the Boat House Door Safety Control, which operates the garage door with the 'AUX' button, but also prevents the lift from operating unless the boat house door is open. Register your lift on the Sunstream web site to get new product availability notifications.

TROUBLESHOOTING

Problem:	Solution:
No 'Power' light and lift does not operate with keypad or transmitter	-Check battery connection -Press Power Button on control box -Check fuse in hydraulic pump wire harness -Check battery voltage
No lift operation with transmitter, but works with keypad on control box	-If 'Battery Fault' on controller, charge battery -Enroll transmitter using 'Add Transmitter' instructions -Check Power light is on or flashing (see No 'Power' light solutions above)
Lift does not operate with Keypad, but does with Transmitter	-If 'Security' light on, keypad is locked with Security Mode. See Security Mode instructions
Battery drains in Solar mode	-Verify lift is not being overused for the number of solar panels connected -Verify sun has direct contact with solar panel for maximum number of hours -Clean solar panel -Turn Wifi off if not used
Transmitter has limited range	-Reposition antenna away from electric motor -Add LA-RCX12 extension antenna -Try touching transmitter to your chin while operating (yes, it works!)

SPECIFICATIONS

Dimensions	6.25" x 4.1" x 3"	Volts	12V
Enclosure	Water Resistant	Max amps	12A
Transmitter	Water Resistant	Transmitter battery	CR2032 (3V)
Transmitter compatibility	LA-RCT4, LA-RCT4B, LA-RCH4 (Hands-Free controller)	Lights output	Max 500 mA with auto-reset breaker
RF Frequency	433.92 MHz	Lights voltage	12V
Wifi std	802.11 b/g/n with WPA security	Aux relay output	5A

RC308 Accessories

Part #	Part Name	Description
LA-RCTP1	SmartPhone Wifi Tech Package	With your iPhone or Android, control your lift, get data, diagnostics, automatically upload data to server, enable remote diagnostics and set lift settings
LA-RCH4	Hands-free Controller	When docking or departing, keep your head up and hands on the wheel and throttle with this foot control for Up and Dn
LA-RCX12	12 inch 6-pin extension wire harness	Extension wire harness to relocate RC (if needed)
LA-RCA1	RC308 antenna extension	Increases range if antenna needs to be moved to get clearer signal. Includes wire, butt connector, antenna mast, mount.
LA-LP2	Light Package	LED ring for underwater or dock. Activated with transmitter
LA-RCP1	Light Adapter Plug	Connector for 'LIGHTS' plug so previous or alternate light kits can be wired to RC
LA-RCP2	Aux Adapter Plug	Connector for 'AUX' plug so accessories may be field wired to RC
Future	Wifi Web cam	To supply live video feed to Smartphone Tech Pkg app
Future	Boat house Safety Control	Control your boat house garage door with AUX button of transmitter. A limit switch is designed to prevent lift from operating if door is not open.

For Manual and Accessory updates, see www.sunstreamcorp.com/manuals/RC308