



Premier Remotes Boatlift Control Application Instructions

1) Connecting to WIFI

The Premier Remote must be connected to the local network to function with the mobile application and initial setup. The Premier Remote software will automatically detect when it is not connected to WiFi and will create a hotspot named “PremierRemotes_SNxxxx” with a password of “serialxxxx”. This works the same for both Android and iOS. After connection electrical power, wiring motors, wiring lighting circuits, and limit switch, as outlined in the Premier Remotes Controls Installation Instructions, follow the following steps:

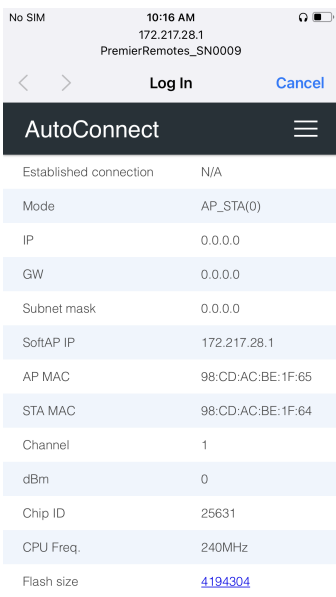
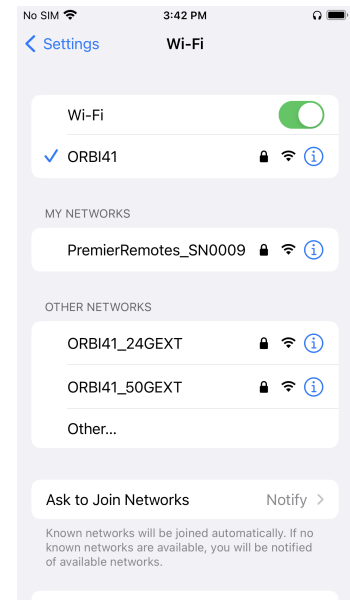
Step 1: Go to “Settings” on your mobile device.

Step 2: On apple products go to “WI-FI”; on android products go to “Network and Internet”


Step 3: Select the wifi hotspot labeled “PremierRemotes_SNXXXX” (For example, connect to this hotspot “PremierRemotes_SN0009”)

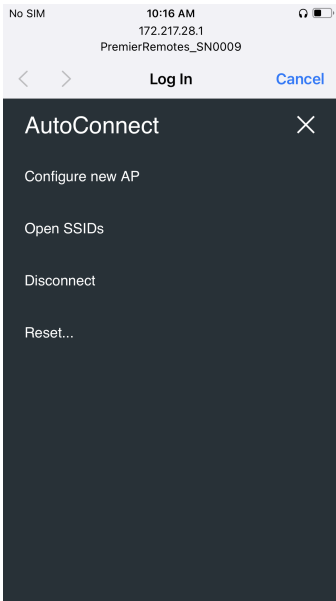
Step 4: Enter the password for the wifi network that corresponds to the control unit being setup using password “serialXXXX” (For example, the password to be entered is “serial0009”)

Step 5: The AutoConnect menu will automatically display on your screen and you will see this menu:



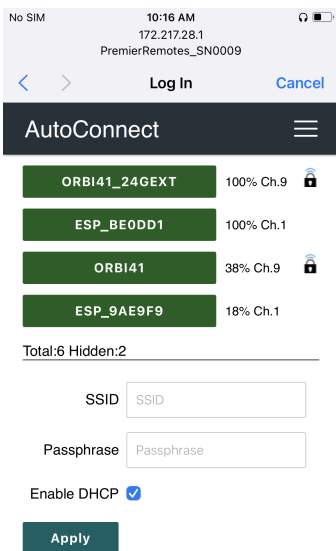
Step 6: Click on the  icon (next to “AutoConnect”) located in the upper right of the screen.

Step 7: After selecting the  icon, the following screen will appear. Next, select “Configure new AP” to show the available WiFi connection.

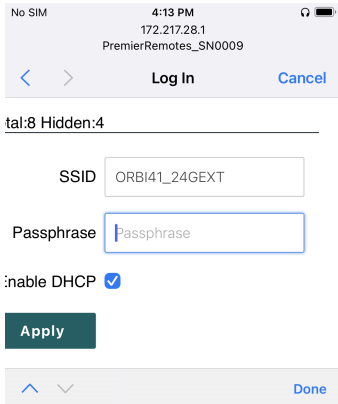


Step 8: Select the access point (Local Network) that you want to use as your WiFi connection. This is done by tapping the desired local network in the green box.

This shows the WiFi access points and the signal strength (in percent). The access points still must be 2.4Ghz signals, and routers that share the same name for 2.4Ghz and 5.0Ghz could potentially fail to connect.

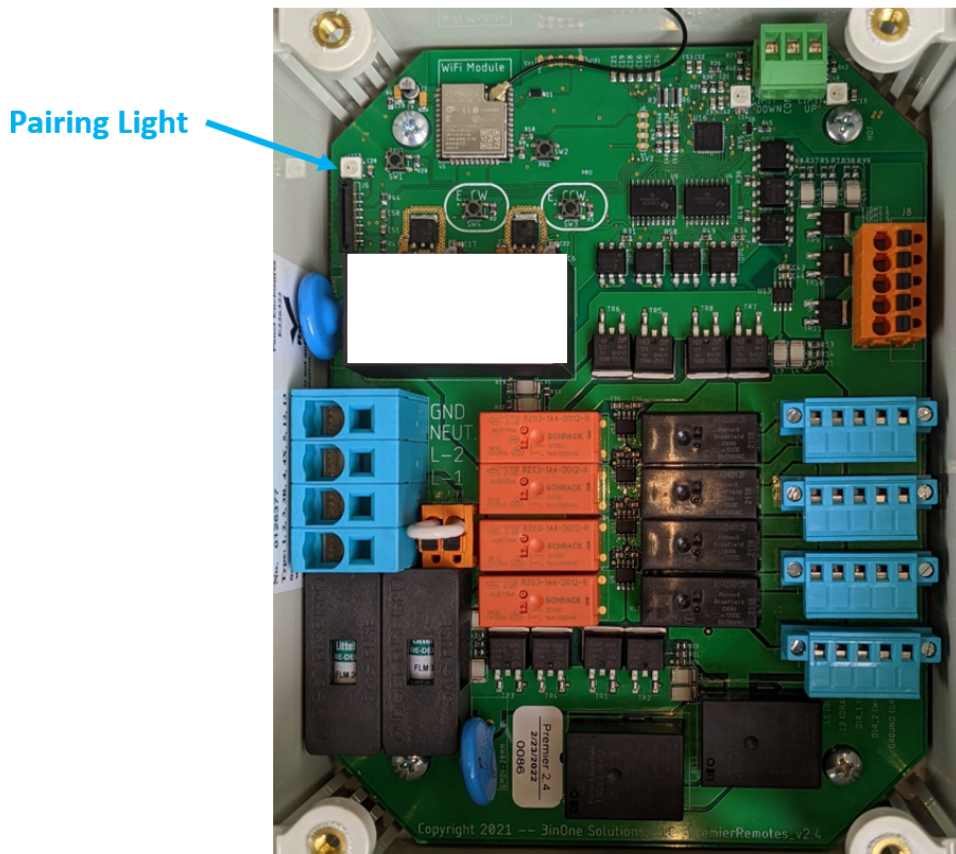


Step 9: Enter the password/passphrase for the chosen network and select “Apply”.



The Premier Remote should then connect to the selected network and the LED pairing light on the PCB should turn blue. Your phone should then reconnect to the WiFi (if previously connected). The above menus should close automatically. If not, then pressing “Cancel” will close it and return to the WiFi connection setup menu).

It is possible the unit could fail to connect. If the connection fails, repeat the above steps starting at step 3.



2) App Download

Download the Premier Remote Mobile Application. It can be accessed on the Apple (IOS) “App Store.” Follow the download and install instructions.

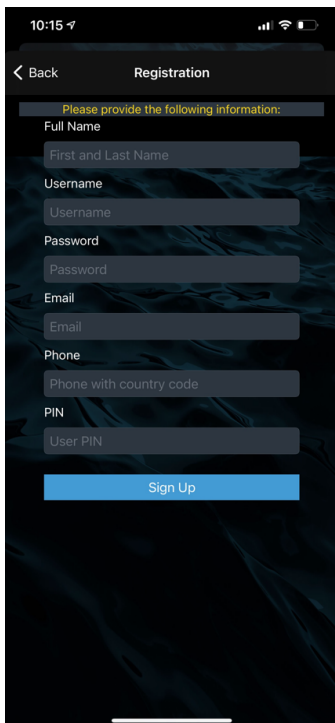
The app will soon be available on the “Google Play” store for Android users.

3) Establish an Account

Step 1: Open the Premier Remote App

Step 2: Select “New Account” from the login screen which will advance to the registration page.

Step 3: Enter all the fields on the registration page and select “Sign Up.” The password must be 8 characters long, contain a capital letter, contain a lowercase letter, contain a number, and contain a special character such as !\$*\$#. The PIN is a 4 digit number and it will be used to access the boat lift controls.



The screenshot shows a mobile application registration screen. At the top, there is a status bar with the time 10:15 and signal strength indicators. Below that, a navigation bar contains a back arrow and the title 'Registration'. A yellow banner reads 'Please provide the following information:'. The form consists of the following fields from top to bottom: 'Full Name' with a sub-label 'First and Last Name', 'Username', 'Password', 'Email', 'Phone' with a sub-label 'Phone with country code', and 'PIN' with a sub-label 'User PIN'. At the bottom of the form is a blue button labeled 'Sign Up'.

Step 4: After “Sign Up” is selected, please go to the email that was entered for the account. The user will receive a verification email. The user will need to accept the invite.

Step 5: Open the app on the mobile device. Using the Username and Password that was established login to the account.

4) Connecting a Premier Remote Controller to an Account

Step 1: From the homepage of the mobile app select select settings.

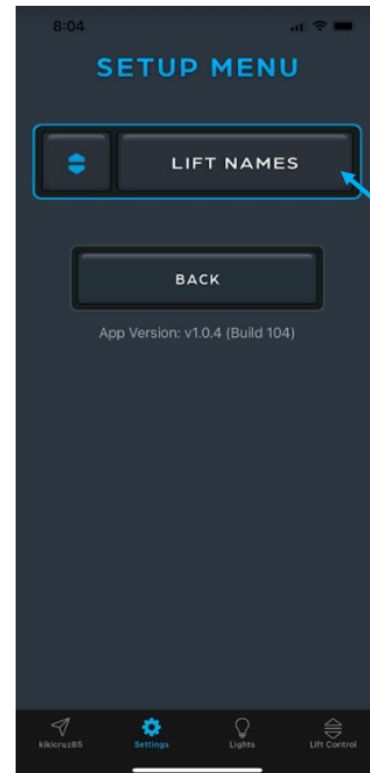
Step 2: Select “Lift Names” on the Setup Menu page.

Step 3: On the next screen, add boat lift 1 and change the name under “Lift Name” if so desired.

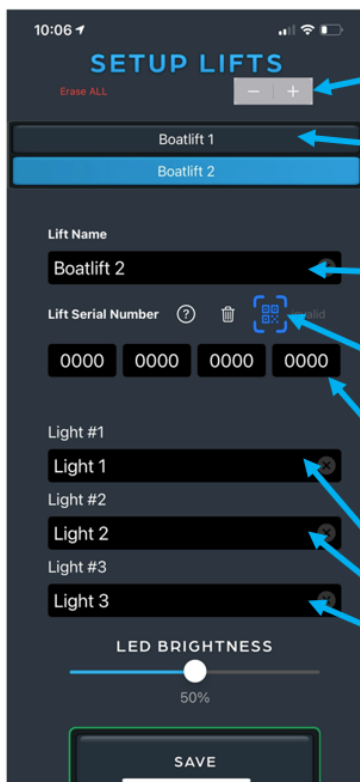
Step 4: Enter the serial number in the “Lift Serial Number” box. The preferred method is to use the QR code camera feature. Taking a picture of the QR code with the mobile device will import the number. The second option is to manually enter the serial number. The QR code and serial number is located under the front panel on the front of the printed circuit board (PCB.)

Step 5: Verify that the serial number on the app matches the serial number on the board.

Step 6: If desired, change the names of each lighting circuit to be controlled by the Premier Remote Unit. Changing the name of the light circuit is not a requirement.



Lift Names



This button is used to add lifts to the dashboard.

This field is used to select lifts 1 through 4..

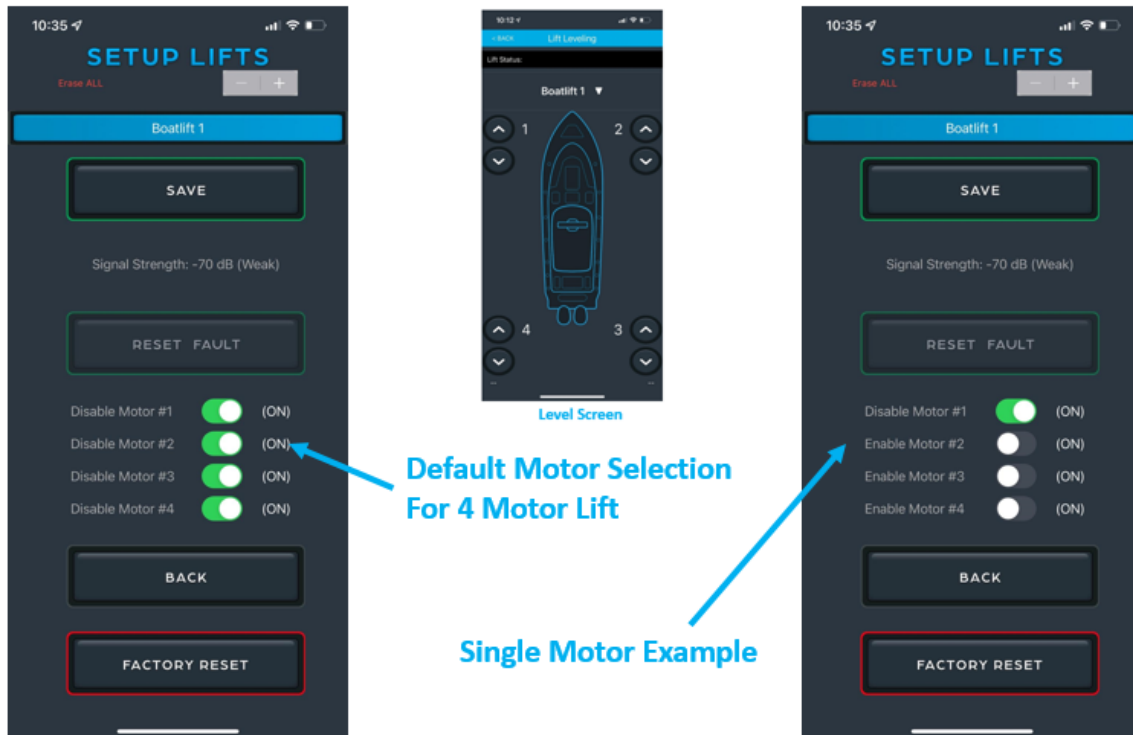
This field can be changed to name or label the lift.

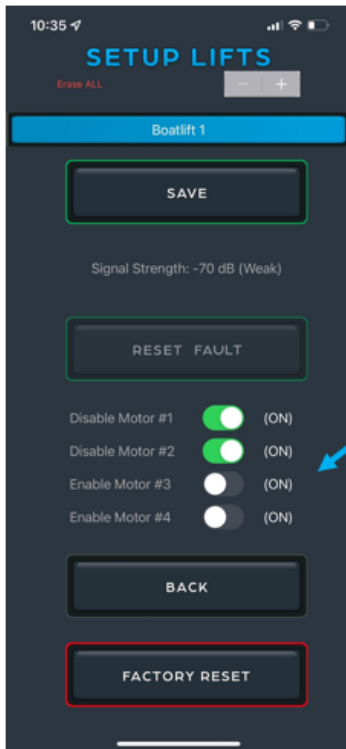
This button will take the user to the camera on the mobile device. The user can scan the QR code on the PCB to import the 16 digit number.

This field contains the 16 digit QR code.

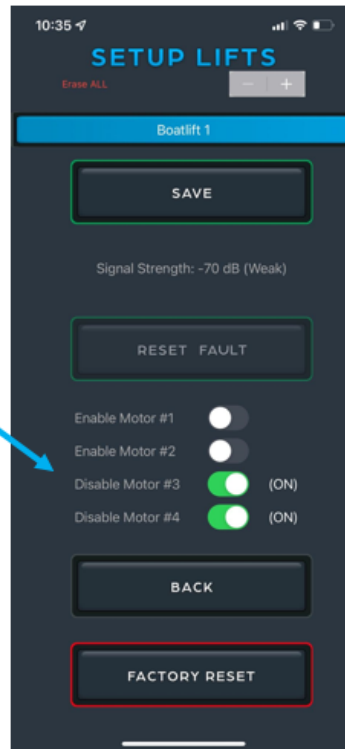
This field can be changed to name the lighting circuit.

Step 7. Scrolling down the page, select the motors that will be utilized. The app defaults to all 4 motors “on” for 4 motor lifts. You must turn off any motor(s) or motor plugs on the printed circuit board (PCB) that are not being used. Failure to not select the motors being used will result in a fault causing the control unit not to function. Any motor combination can be used from 1 to 4. For example, using a single motor elevator lift, you can turn motor 1 “on” and turn motor 2, 3, and 4 “off.” For a two motor application you may choose to turn “on” motors 1 and 2 and turn “off” motors 3 and 4. Another option would be to turn “on” motor 3 and 4 and turn “off” motors 1 and 2. Another option for a two motor lift would be to turn “on” motors 1 and 4 and turn “off” motors 2 and 3. It is suggested to use the motors based on the lift orientation of the motor layout on the lift Level Application screen in Section 6.



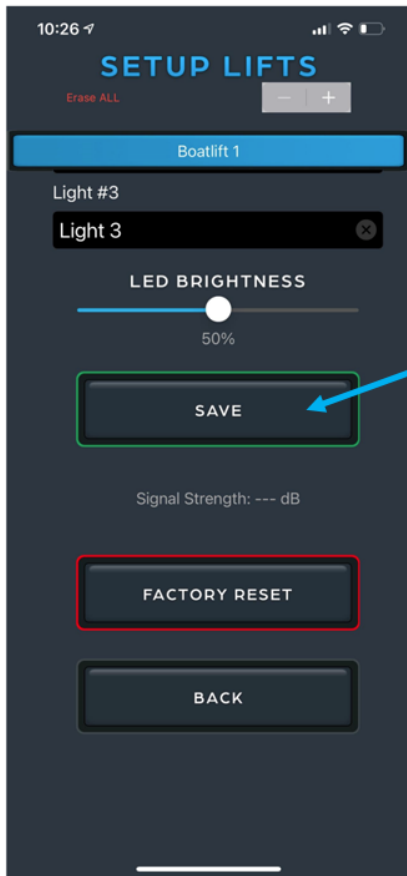


Two motor examples



Step 8: Scroll down on the screen and select “Save.”

Step 9: A second message will appear. Select “Save Config” if the changes are intended to be saved.



Save button on the
"Setup Lifts" screen.

Special Notes:

To add additional controllers to your account, follow the same steps as above from 1 through 10. You can control up to 4 controllers with one account. Use the minus and plus buttons to remove fields for removing and adding lift profiles.

The tiny red "Erase ALL" button at the top left hand corner will reset the APP to default settings including clearing out the QR codes for all lifts.

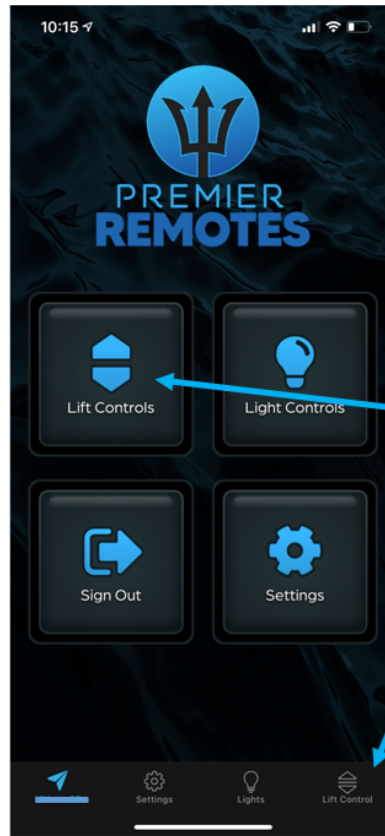
The "Factory Reset" button will reset the selected CONTROL BOX to "factory reset condition" which means that it is not paired to any WiFi and the names are reset to the factory defaults.

5) Lift Control App Operation

From the App home page a user can control boat lifts and lighting circuits.

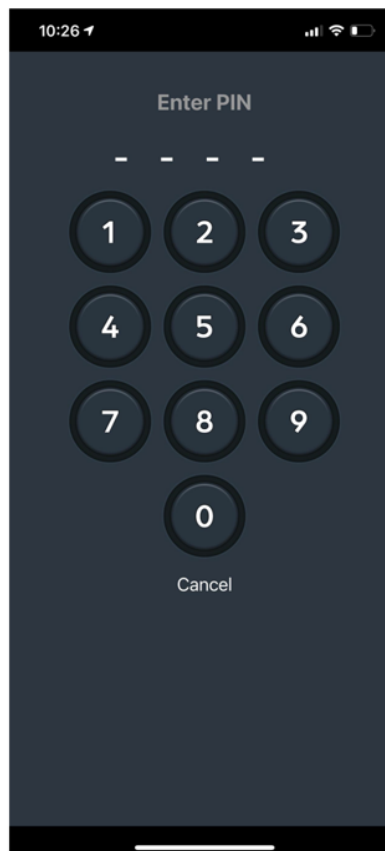
***Note: we strongly recommend making sure the settings on your mobile device display auto-lock or screen timeout be set to a time interval that covers the duration of the lift movement from the upper limit to the lower limit.

Step 1: Access the lift control by selecting a "Lift Controls" button.



Lift Controls Button

Step 2: A user will then enter their established personal identification number (PIN) to access the lift controls.

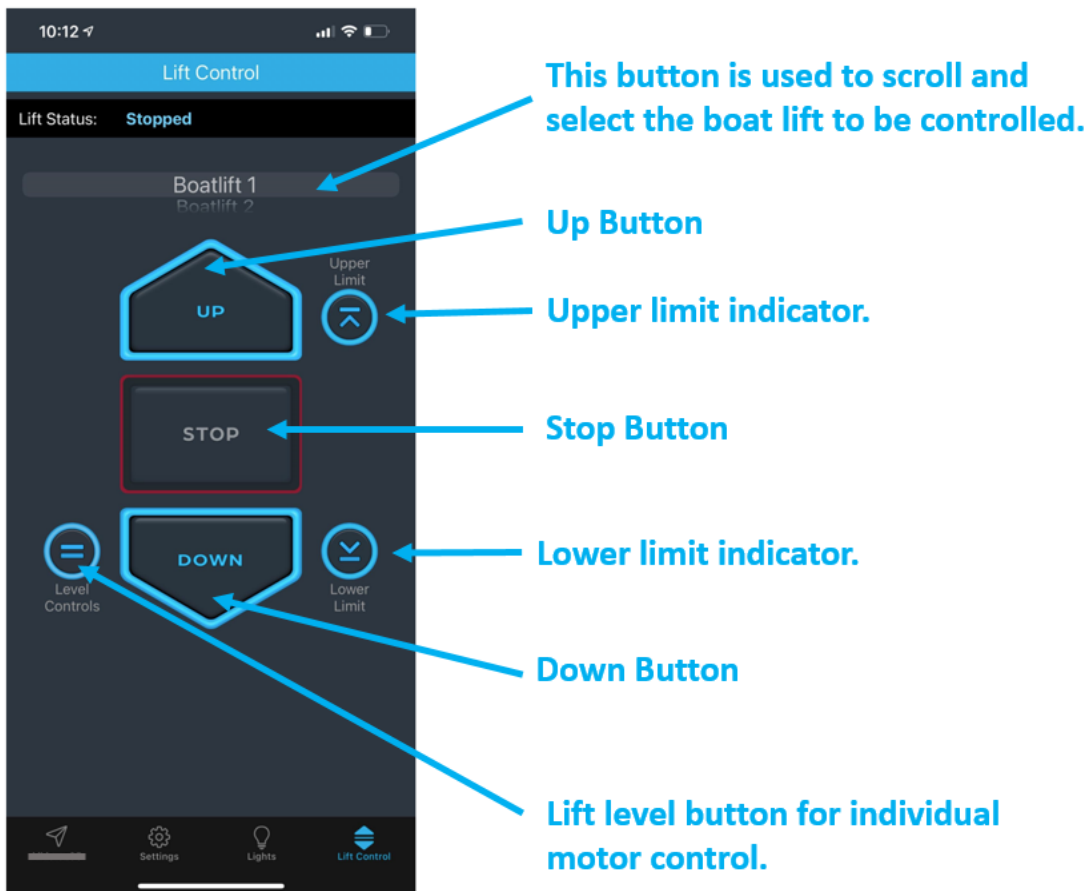
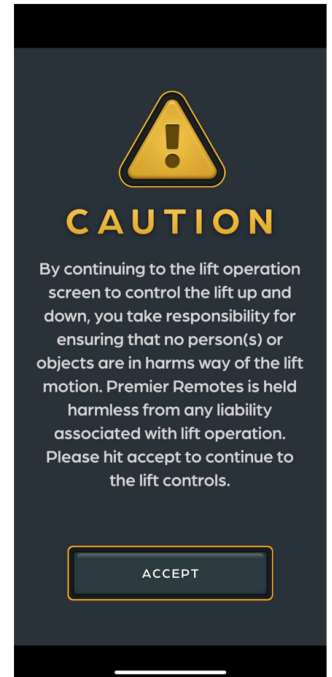


Step 3: The user will be taken to the “Caution” page to accept liability of operating the lift. Press “Accept” on the Caution Screen after reading the disclaimer.

Step 4: The boat lift control page is used to move the boat lift in an upward and downward direction. Select the correct boat lift at the scroll bar at the top of the page.

Step 5: Select the desired direction for the lift to move. Once the lift begins to move, the up and down button will go “gray” and the red stop button will illuminate red.

Step 6: Select “Stop” once the lift has reached the desired height.

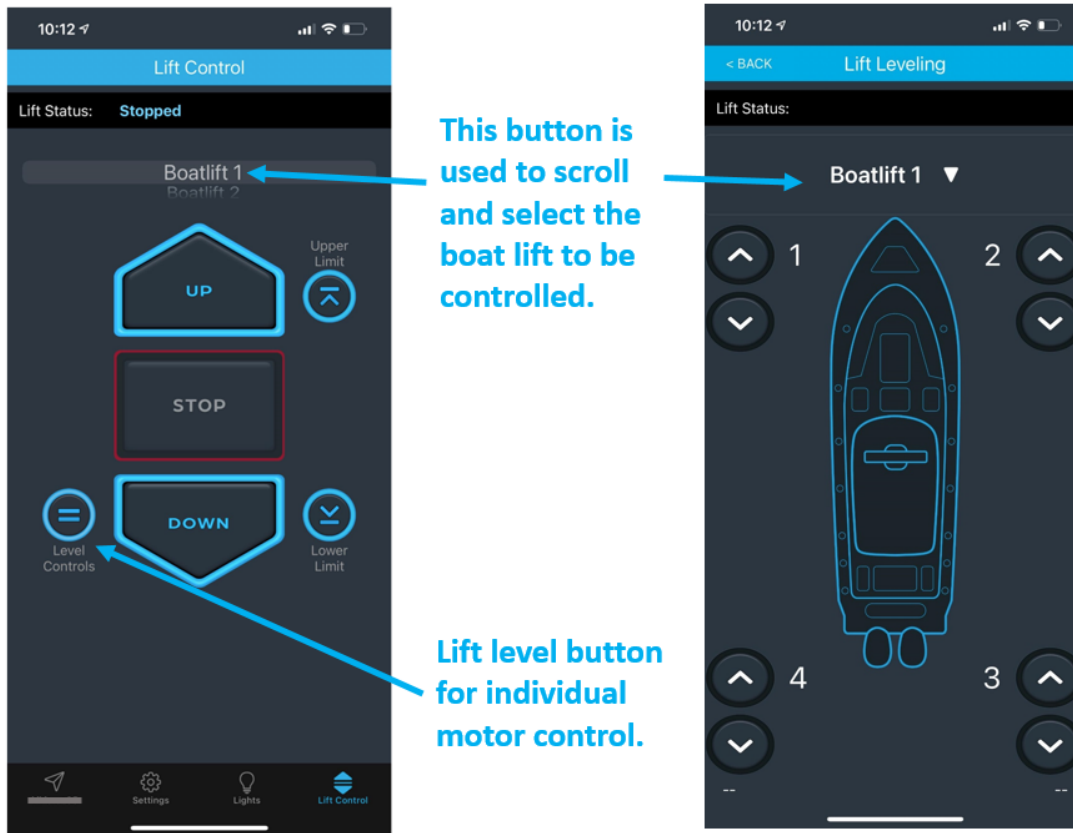


Special Notes:

- The upper and lower limit indicators will turn “blue” once the lift has reached the upper limit. If the limit is “gray” the lift is not on the limit.
- If the lift is on the upper limit and the upper limit indicator is blue then the “UP” button will be gray and the app will not let you select up.
- If the lift is on the lower limit and the lower limit indicator is blue then the “DOWN” button will be gray and the app will not let you select down.

6) Lift Level Application Operation

Step 1: Select the “Level Controls” button from the “Lift Control” page. The “Level Controls” button is located on the left hand side of the “Lift Control” screen.

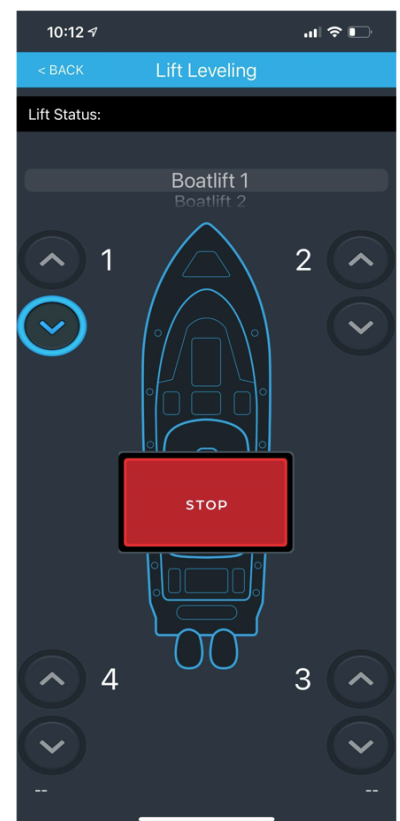


Step 2: Noting the orientation of the motor 1,2,3, and 4, select the desired motor to be controlled and press the up arrow for an upward movement or down for a downward movement.

Step 3: Once the individual motor has been started, a red stop button will appear in the middle of the screen. Once the desired height has been reached press “STOP”. Select the “BACK” button at the top left corner to return to the lift screen.

Special Notes:

Motors 1, 2, 3, and 4 in the app correspond to the motor connectors 1,2,3, and 4 on the printed circuit board. In order for the position to be controlled correctly as it is displayed in the app, the motor connectors must be plugged into the correction position on the printed circuit board. The motor connectors on the printed circuit board can be moved to match the layout on the app.



7) Front Panel Lockout

From the lift control page of the Premier Remote App, you have the ability to “lock out” the front panel up and down buttons so that it cannot be used to raise or lower the boat. This feature is included for safety and security.

Step 1: Access the lift control and select the lift that is to be locked.

Step 2: Press the lock symbol to lock out the front panel. When you select the lock symbol it will change colors to gray and the lock will show closed denoting the front panel is locked.

Step 3: Pressing the lock symbol again, will unlock the front panel and the lock symbol will change colors to blue and the lock will show open denoting the front panel is unlocked.



Front Panel Unlocked

Front Panel Locked



8) Lighting Circuit Application Control

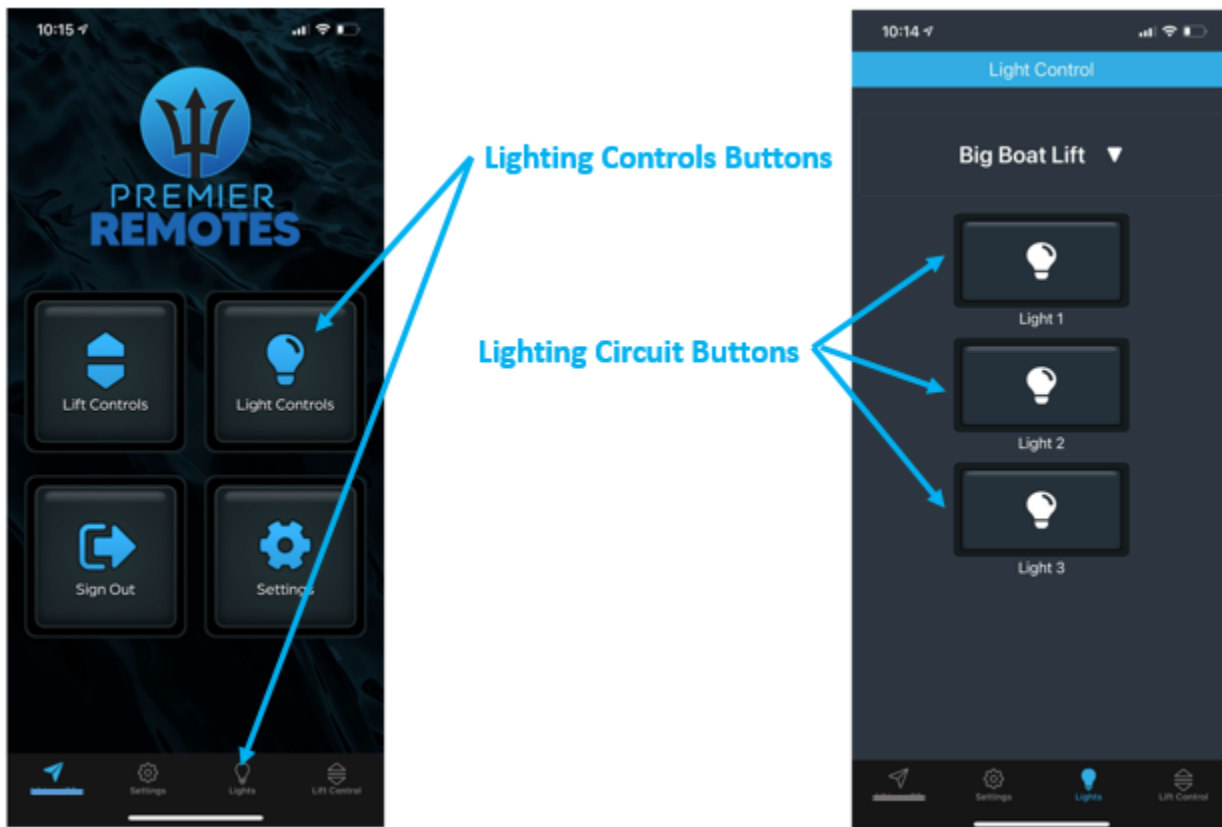
Step 1: Access the light control by the lighting control button and select the unit that is controlling the lights to be controlled.

Step 2: Select the lighting circuit to be controlled or turned "On". The button will be highlighted once the circuit has energized.

Step 3: Turn off the lighting circuit by selecting the highlighted lighting circuit button.

Special Notes:

Lighting circuit labels or names can be changed by following the same steps in Section 4 Step 7 of these instructions.



9) Panel Operation

UP/DOWN Button

Press and hold the UP or DOWN button to move the lift in the desired direction. Release the UP or Down button to stop the lift. The lift will stop when the limit switch is reached.

AUTO-RUN

To run the Lift Up or Down in automatic mode, Press the UP or DOWN button twice and release. The Lift will then raise or lower until the limit switch is reached and then Stop. The lift can be stopped in "AutoRun" by pressing either the UP or DOWN button.

Note: The software will force a 3 second delay when changing direction of the motors. Repeatedly running the motor in the SAME direction is fine. It will not incur any delay and should have no adverse effects even if the motor has not come to a complete stop.

LIGHT COLORS

When the premier remote is connected to WiFi, all the lights on the front panel will be blue. If the upper limit is reached the UP light will turn green. Once the lift is lowered and the lift is no longer on the upper limit the light will turn blue. If the lower limit is reached the DOWN light will turn green. Once the lift is raised and the lift is no longer on the lower limit the light will turn blue.



10) Troubleshooting

- 1) Control Box has No Power - Check and Verify power at terminal block using a multimeter. Remove two fuses and check and verify resistance.
- 2) Motors are going in the wrong direction
 - a) All Motors go in the wrong direction - Change Direction 1 and Direction 2 at the motor terminals on the premier remote control printed circuit board.
 - b) Some motors go in the wrong direction. Identify the motor(s) that are moving in the wrong direction.
Option 1 (recommended) - Change the motor direction 1 and direction 2 at the motor terminals on the premier remote control printed circuit board.
Option 2 - Change leads at motor by swapping wires identified with "*". On "T" motors this is

T5 and T8. On spade motors this is typically motor red and motor black. Please see the wiring diagram in appendix B.

- 3) Front Panel is not responding or is not backlit - Refer to Section 4 of the Premier Remotes Controls Installation Instructions. Ensure the front panel ribbon is seated into the front panel terminal on the Printed Circuit Board.
- 4) App will not control lift.
 - a) Verify the mobile device is connected to a local network or a mobile data plan.
 - b) Verify the Premier Control unit is connected to wifi. The wifi light on the front panel should be blue. If the light is flashing white/yellow the control unit is not connected. Correct by ensuring wifi is available at the box location or refer to section 1 in this instruction guide to reconnect the controller to the internet.

The WiFi symbol will be blue if connected to the local network.

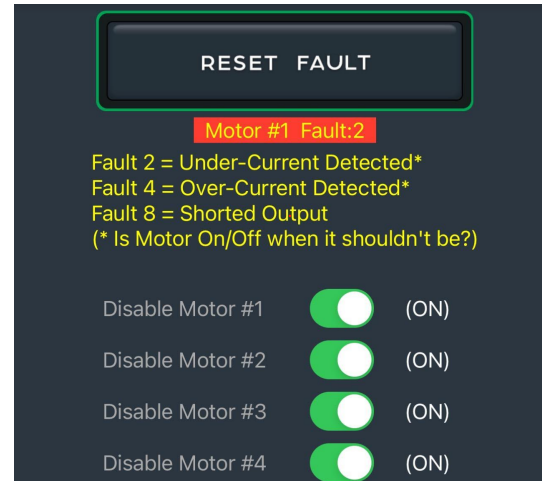


The WiFi symbol will be flashing white/yellow and the UP and DOWN if not connected to the local WiFi.



- 5) Motor Fault- You can identify a motor fault if all lights including the wifi symbol, up, and down on the front panel are all the color "RED". Access the "settings" page and then access "lift names". After selecting the lift that has entered into "fault" mode, there will be a list for faults pertaining to the motor that has caused the issue. The fault could be fault 2, fault 4, fault 8 or a combination of two or all three. After correcting the fault, select the "Reset Fault" button. The lights on the front panel will turn to blue and the lift should work as normal.
 - a) Fault 2 = Under Current Detection (low amps)
 - b) Fault 4 = Over Current Detection (high amps)

- c) Fault 8 = Shorted Output (short circuit such as wiring motor incorrectly or L1/L2 touching ground)



- 3) Lights are yellow - This indicates that the control unit is processing a firmware update. It should only take a few minutes and then the front panel should return to blue.



- 4) The lift is stopping while using the App - If the lift is starting in the downward or upward direction but stops after a short period of time such as 30 seconds or 1 minute please check the screen timeout setting on your mobile device. Anytime the lift screen is closed or minimized the lift will stop.
- Apple Products - Go to Settings, Display and Brightness, Auto-Lock, then adjust or increase the Auto-Lock timeout feature to a more accommodating time for your lift.
 - Android Products - Go to Settings, Display, Screen Timeout, then adjust or increase the screen timeout feature to a more accommodating time for your lift.