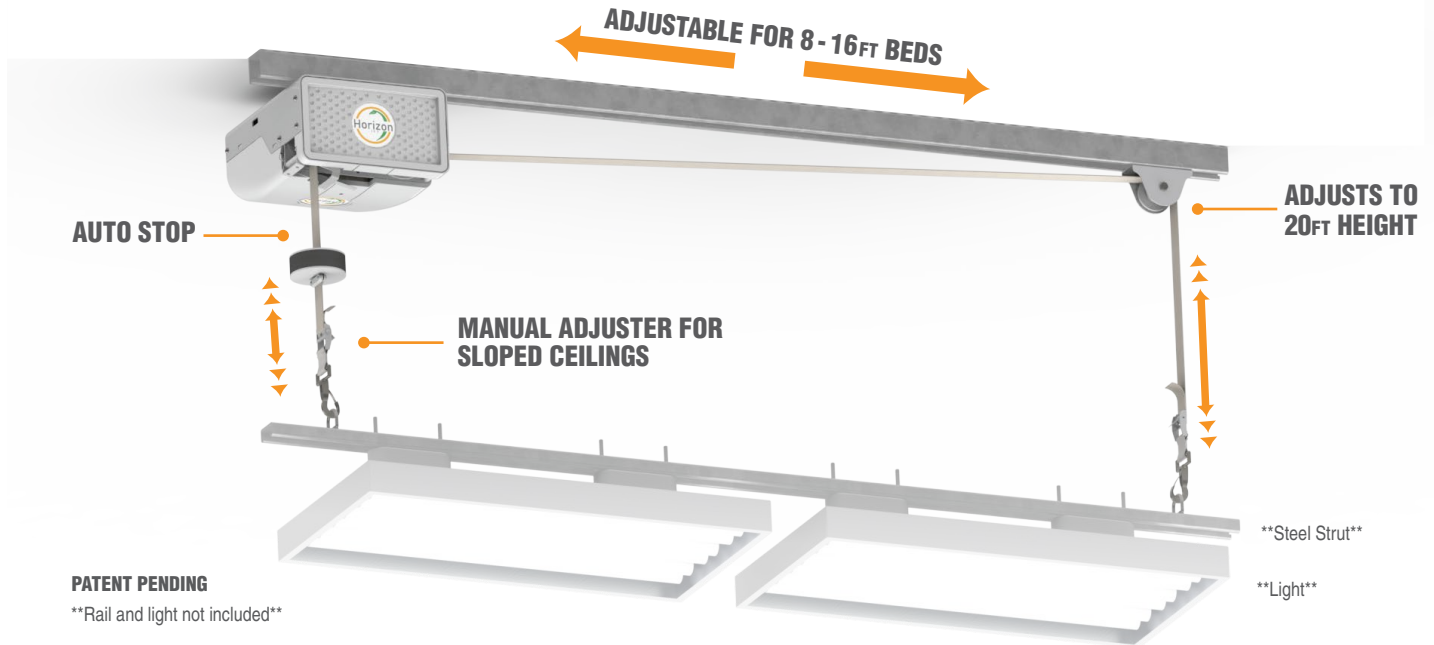




LED AND HID LIGHT LIFT

EASILY POSITION YOUR LIGHTS TO ANY HEIGHT USING HORIZON LIFT



PATENT PENDING
Rail and light not included

WATCH OUR VIDEO AT:

https://www.youtube.com/watch?v=3y_bZyN23IQ

PART #	DESCRIPTION	MAX LOAD WEIGHT
980120	Horizon Light Lift - Model 120	120 LB

* Special order only for 40lb and 200lb load weight

HORIZON LIFT CAN:

- Lower, lift and level your lights above the canopy in just seconds.
- Adjust lights to any height to maintain the perfect leaf surface temperature.
- Reduce energy costs by eliminating the need for high bay lighting.
- Quickly move lights up and out of the way for harvesting and room cleaning.
- Reduce labor cost by eliminating the need for ladders for manual light adjustments.
- Improve employee safety by keeping your workers on the ground and off ladders.
- Easily be operated with a mobile app available on iOS and Android.
- Use the Horizon Lift app to operate up to 100 lifts.

**MAXIMIZE YOUR TIME AND YIELD
WITH HORIZON LIFT**

GROWER PROVEN AND TESTED!

THANK YOU **NOVIK**
INDUSTRIES



EMAIL US AT:
customerservice@horizonlift.com



HORIZONLIFT.COM

SEE OUR:   

(209) 334-1460

USA Products Group
Lodi, CA 95240



LIGHT MOVER

Part # 980120 / Model# HL120

PATENT PENDING

WARNING

This product can expose you to chemicals, including lead, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, go to www.p65Warnings.ca.gov

WARNINGS **READ BEFORE USING**

READ ALL instructions and warnings carefully before installing and operating your Horizon Lift. Failure to do so could result in personal injury or product damage. This equipment should not be installed, operated or maintained by any person who has not read and understood all the contents of this manual.

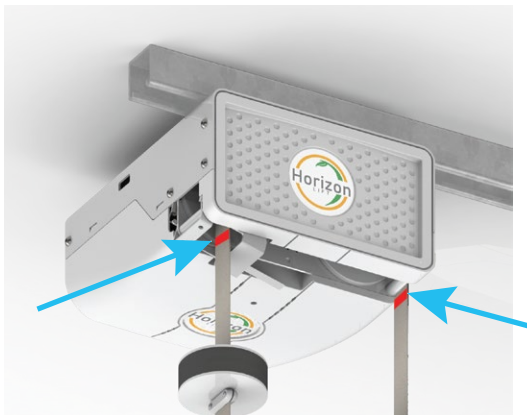
USE GOOD JUDGEMENT in choosing the appropriate hardware to install any strut bar to your overhead support and in choosing the appropriate attachment points for light bar. If you have any doubt whether your hardware is within capacity to support your Horizon Lift, strut bar, and lights, **DO NOT USE IT!**

INSPECT the Horizon Lift, Guide Pulley, Hardware, Webbing and Hooks regularly for signs of wear. Replace if webbing is cut, worn or frayed or if hooks, plastic parts and metal parts show any signs of being bent, deformed or damaged.

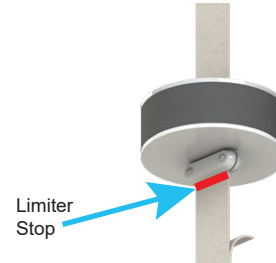
DO NOT exceed the total weight of 120 lbs. for all components combined (light bar and lights).

DO NOT stand under light while operating.

DO NOT unwind the webbing from the lift beyond the red lines marked on each webbing strap.



DO NOT remove or adjust the limiter stop located under the safety stop disk. This is a factory set position. This should never be removed or adjusted. Doing so may create a problem for the length of the strap being spooled or unspooled along with the operation of the safety stop switch.



DO NOT use limit switches as routine operating stops. They are emergency devices only.

CHECK that the power cord being used is compatible with your power circuit outlet. If you are in doubt as to whether your power cord and power supply are compatible - please consult your local electrician before using.

BEFORE OPERATING your lift, make sure the webbing straps are not twisted, kinked, damaged or worn.

DO NOT attempt to lengthen the load webbing or repair damaged load webbing.

CHECK to make sure the light bar and webbing straps are free to move and will clear all obstructions.

CHECK to make sure that all nuts, bolts and or any other hardware attachments are sufficiently fastened.

DO NOT operate a lift unless it has been securely attached to a suitable support.

PRIOR TO MOUNTING the lift device, ensure that the overhead structure support or strut is adequate to support the lift and its load. If necessary consult a professional that is qualified to evaluate the adequacy of the suspension location and its supporting structure.

The lift device is not designed for and **MUST NOT** be used for lifting, supporting, or transporting people, or for lifting or supporting loads over people.

MODIFICATIONS to upgrade, rerate, or otherwise alter this equipment shall be authorized only by the original equipment manufacturer.

This manual provides important information for personnel involved with the installation, operation and maintenance of this product. Although you may be familiar with this or similar equipment, it is strongly recommended that you read this manual before installing, operating or maintaining the product.



LIGHT MOVER

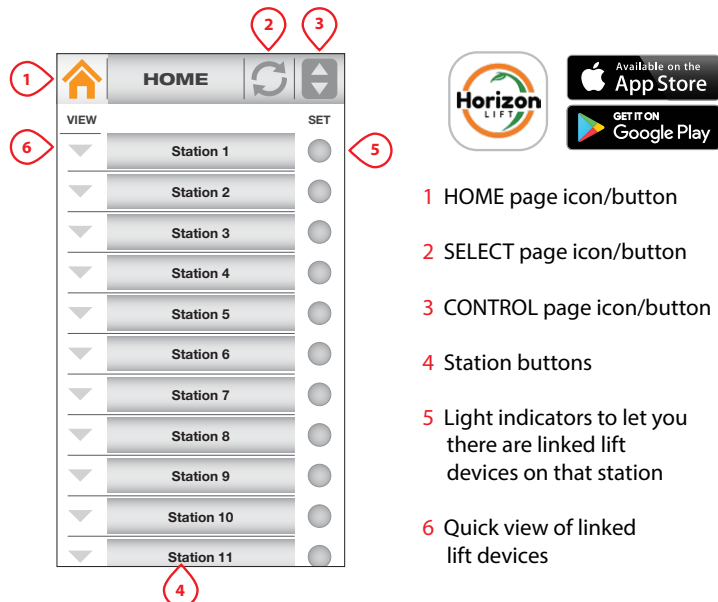
Part # 980120 / Model# HL120

PATENT PENDING

APP INSTRUCTIONS

Congratulations on your purchase of a state of the art Horizon Lift! Horizon Lift is an LED and HID light mover that will lower, lift and level your lights above the canopy in just seconds. To ensure you get the most out of your Horizon Lift, please read these instructions and warnings completely and carefully **BEFORE** installing or operating your lift.

SETTING UP YOUR DEVICE TO WORK WITH A HORIZON LIFT



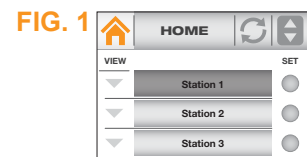
The first page you will see when you open the Horizon Lift APP, is the Home screen shown above. This page is where you will link any lift devices with the APP to be controlled later on. This page is indicated by the bold **“HOME”** text on the top of the page as well as the orange glowing house icon. **1**

You can connect up to 8 lift devices to a single station. There are 100 stations available to link lift devices to.

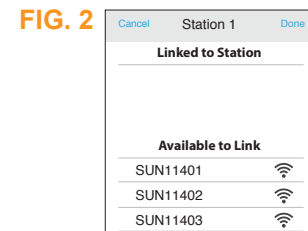
LINKING A LIFT DEVICE

To link a lift device to a station, you need to go through the following process:

- 1 On the HOME screen, click and hold a station. **FIG. 1** shows that **“Station 1”** is being selected.

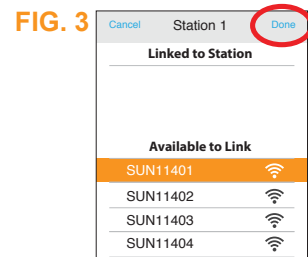


- 2 The next screen you will see is the “Station 1” page. **FIG. 2** shows **“Linked and Available to Link”** lift devices. There will not be a lift name listed under under **“Linked to Station”** section because you have not linked any lifts to this station yet.

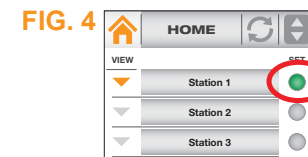


- 3 The **Available** lift devices will show under the **“Available to Link”** section. Select the lift devices you would like to link to this station by tapping on the name of the device once.

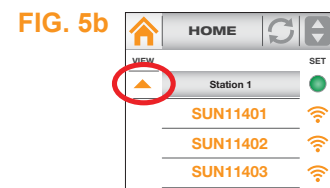
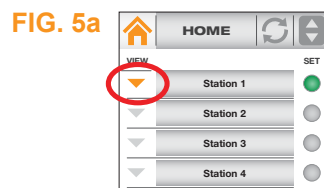
You can select up to 8 lift devices per station. Once the lift devices have been selected, they will be highlighted by an orange bar. To finish the linking process, press **“Done”** in the top right of the screen as shown in **FIG. 3**.



- 4 After pressing **“Done”**, you will be brought back to the **“HOME”** page. A green indicator light will show in the **“Set”** column next to the station in which the lift devices are linked. **FIG. 4**



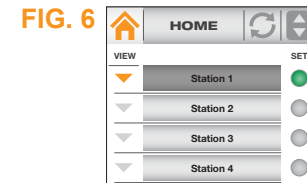
- 5 To view which lift devices are linked to a station, click on the orange down triangle to the left of the station button, **FIG. 5a**. A dropdown will show a list of the linked devices in orange text. Press the orange triangle again to collapse the list, **FIG. 5b**.



UNLINKING A LIFT DEVICE

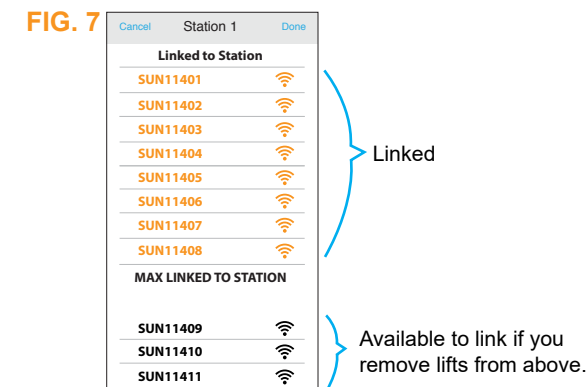
To unlink a lift device from a station follow the below steps. The process is similar to that of linking a lift device.

- 1 When you are on the **“HOME”** screen, the green **“Set”** indicator light will show next to the **“Station”** that has **linked** lift devices. Click and hold the **“Station”** button to bring up the list of linked lift devices **FIG. 6**



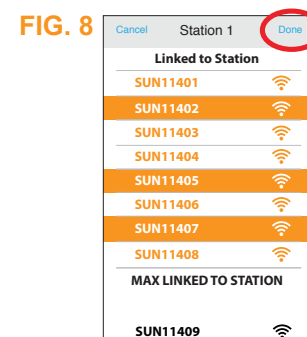
- 2 This will take you to the **“Station 1”** screen. The list will display each of the **linked** lift devices in orange text under the **“Linked to Station”** section **FIG. 7**.

NOTE: In this example **FIG. 7**, there are 8 lift devices linked to this station. When you have 8 lift devices linked under one station, you'll see **“Max Linked to Station”** under the **“Linked to Station”**. You may see other lift devices listed under **“Max Linked to Station”**, in black text. These are lifts that are available to link. However, you will not be able to link them to the current station until you remove one of the other 8 already linked lifts.

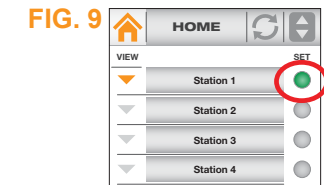


- 3 You can unlink a lift by tapping the name of the lift. You can select all or individual lift devices. A prompt will say to look at the light on the lift. The light will blink about 4 times to show it has been selected and will blink after each time you select another lift device.

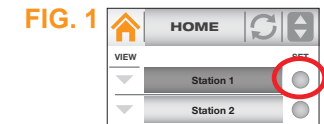
Once you have selected all of the lift devices you want to unlink, they will be highlighted with an orange bar. Click the **“Done”** button in the top right corner of the screen to finish the unlinking process **FIG. 8**



- 4 If you **did not** select all of the lift devices to unlink, the green **“Set”** indicator light on the **“Home”** screen will still be lit up. **FIG. 9**



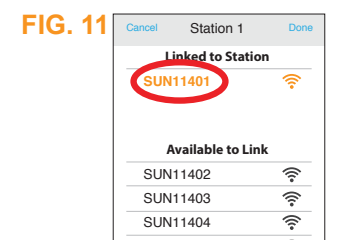
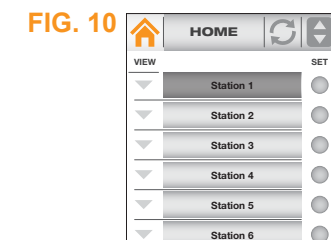
- 5 If you **selected all** of the lift devices to unlink, the green **“Set”** indicator light will no longer be lit.



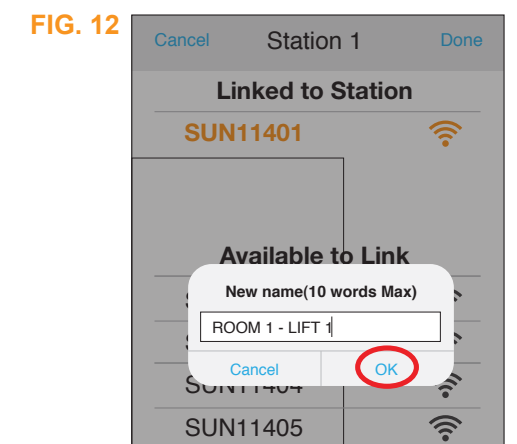
RENAMING A LIFT DEVICE

Each lift device comes with a default name from the factory. This name can be changed within the Horizon Lift APP either before linking the lift device to a station or after the lift device has been linked.

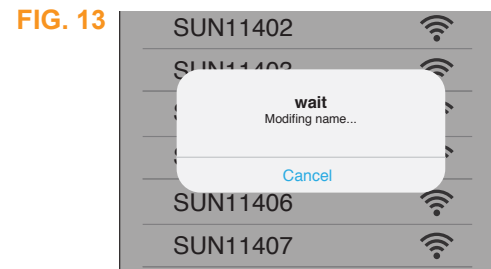
- 1 Press and hold one of the Station buttons. The station will highlight grey **FIG. 10**. This will take you to the next screen showing the lift devices. You can rename a lift device that is listed under **“Linked to Station”** or **“Available to Link”** sections. To do so, press and hold the lift device name you would like to rename. **FIG. 11**



- 2 A prompt will display the current lift name. Type in your new name and click ok **FIG. 12**.

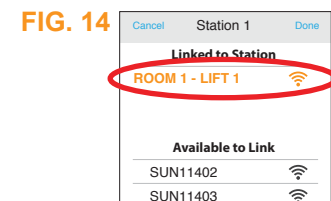


- 3 Once you click OK, a message will appear letting you know that the name is being modified **FIG. 13**

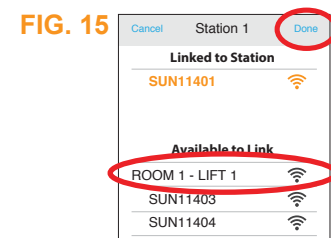


- 4 After the name has been changed, the prompt will disappear and the new name will now show up.

If the lift device that was renamed was already linked to a station, it will show up as shown in **FIG.14**.



If the lift device was listed as one of the “Available to Link” devices, it will show up as shown in **FIG. 15**. Press Done to go back to the home screen also shown in **FIG. 15**.



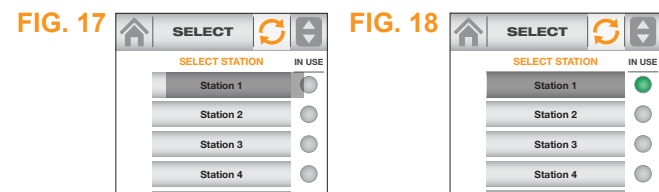
CONTROLLING THE LIFT

NOTE: Prior to trying to control a lift, make sure you are linked to a station. Refer to the “Linking a lift device” section.

- 1 To control the lift device, start on the “HOME” screen and swipe left on the screen or tap the rotating arrow icon in the top right corner of the screen to go to the next screen. **FIG. 16**



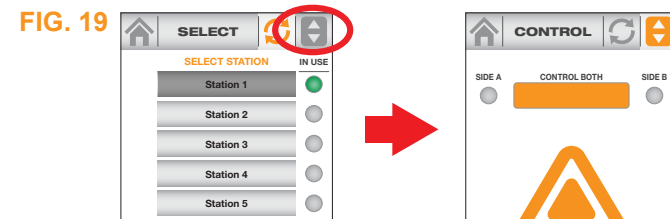
- 2 On the “SELECT,” page, choose and press the “Station” button that contains the lifts you would like to operate. Your selection will grey out as shown in **FIG. 17**.



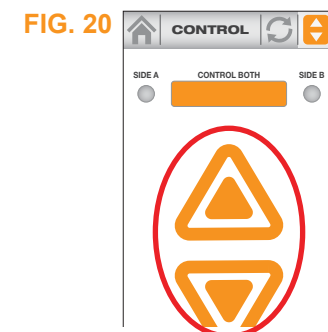
Once the lift device is ready to be operated, a green indicator light will show next to the selected “Station” in the “IN USE” column. **FIG. 18**

NOTE: If the green indicator light does not turn green, you’ve selected a station that does not contain any linked lift devices.

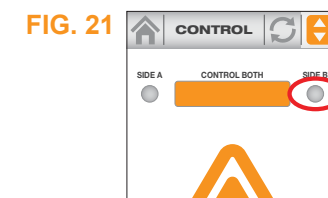
- 3 From the “SELECT” page, swipe left on the screen or click the up/down arrow icon in the top right corner to go to the “CONTROL” page. **FIG. 19**



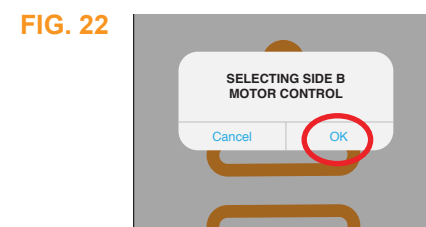
- 4 On the “CONTROL” page, you can lift and lower the device by pressing either the large up or down arrows shown in **FIG. 20**.



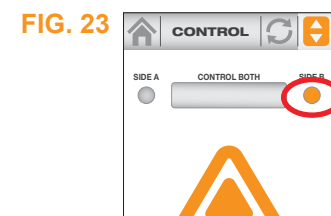
- 5 The APP will default to controlling both sides of the lift. To lift a side separately, select either “SIDE A” or “SIDE B” see **FIG. 21**.



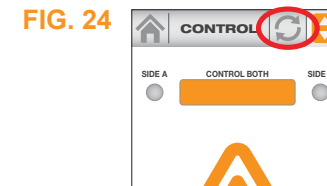
- 6 A prompt will display asking you to confirm your selection. Press OK as seen in **FIG. 22**.



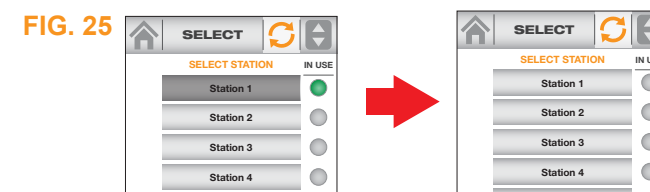
- 7 Once you have confirmed you want to operate only one side, the newly selected side will now be displayed in orange. **FIG. 23**



- 8 To select the other side or to control both sides again, tap the button for the desired operation and click OK in the prompt that follows.
- 9 When you are done controlling the lift, swipe left on the screen or hit the rotating arrow icon in top right corner to get back to the “SELECT” page shown in **FIG. 24**



- 10 Once back on the “SELECT” page, de-select the station by tapping the station button. This will make the green indicator light in the “IN USE” column turn grey as well as making the “Station” button lighter grey. **FIG. 25** shows that the station is no longer selected for operation. This also allows another user to operate the lifts in that station using the APP on their mobile device.



TROUBLESHOOTING

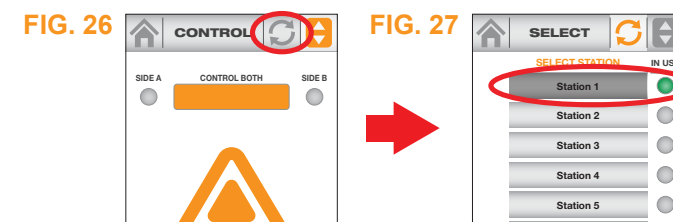
Horizon Lift is not lifting or lowering when pressing the control arrows.

If you have:

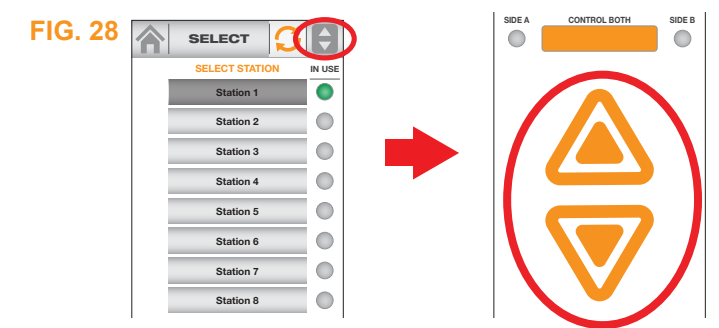
- Linked a device
- Swiped left to the “SELECT” page and have a station selected
- Swiped left again to the “CONTROL” page.

And your lift does not operate - then follow the below steps:

- 1 Tap the rotating arrow icon in the top right corner to go back to the “SELECT” page **FIG. 26**. The selected station will still be greyed out and the green indicator light will display in the “IN USE” column as shown in **FIG. 27**.



- 2 Press the up/down arrow icon in the top right to bring you back to the “CONTROL” page **FIG. 28**. Once you’re back on the “CONTROL” page, the lift device will now raise and lower when pressing the large arrow buttons.



NOTE: The above steps are for refreshing the pages. The need to refresh the page is an issue for older versions of Android and usually shows up the first time a new lift device has been linked and has **swiped** through the APP pages rather than tapping the top icons to get to the operations page.

IMPORTANT: If you are using a newer version of Android or iOS on your device and the lift device does not respond when the large up or down arrows are pressed on the “CONTROL” page

- 3 Check to see if you have the correct station and lifts selected as you may have selected and/or are controlling a different lift.

A renamed lift device does not show new name on another mobile device.

When a lift device has been renamed, the new name will show on the device that was used to change the name. If it **DOES NOT**, make sure the APP is up to date.

Cannot select a station to control the lift device.

If the lift devices are linked to a “Station” but the “IN USE” indicator next to that selected “Station” is **NOT** green, you will not be able to control the lift devices on that station.

Not being able to select that “Station” for use is due to another user having that “Station” with linked lifts still in use on their mobile device and they are within the 30FT Bluetooth range. If the Android or iOS that has the “Station” selected goes out of range of the lift devices, it will disconnect and the other Android or iOS mobile device will now be able to select that “Station” and operate it.

Also, the Android and iOS device that has the “Station” selected, can deselect the “Station” when they have completed using the APP. Refer to “**CONTROLLING THE LIFT**” in the APP instructions.

NOTE: It is in good practice to deselect the station when done operating any lift to prevent this situation from occurring. See “**CONTROLLING THE LIFT**” in the APP instructions.

If further assistance is needed - Please Contact 1-800-334-3294 or visit www.HorizonLift.com

Designed and Developed by
USA Products Group, Lodi California 95240



LIGHT MOVER

Part # 980120 / Model# HL120

PATENT PENDING

INSTALLATION INSTRUCTIONS

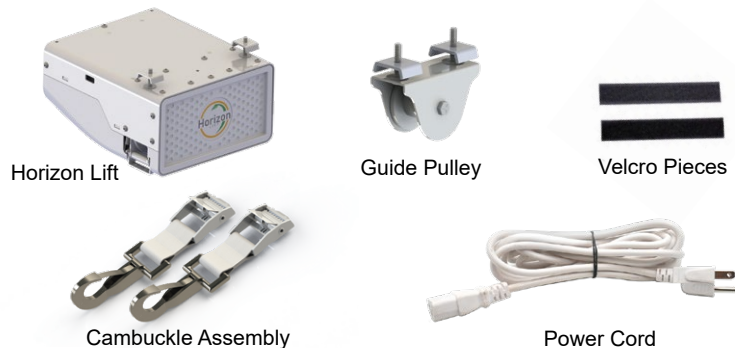
Congratulations on your purchase of a state of the art Horizon Lift! To ensure that you get the most out of your Horizon Lift, please read these instructions completely and carefully **BEFORE** installing or operating your system.

TOOLS REQUIRED:

- Phillips Screwdriver, #3 size
- Tape Measure

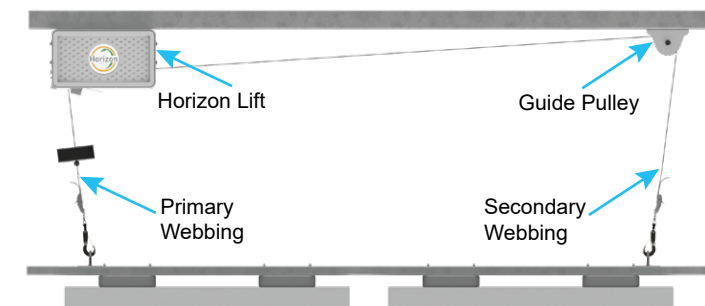
HORIZON LIFT CONTENTS:

- 1 ea. Horizon Lift
- 1 ea. Power Cord
- 1 ea. Guide Pulley
- 2 ea. Cambuckle Assembly
- 2 ea. Velcro Pieces



ADDITIONAL PARTS AND TOOLS THAT MAY BE REQUIRED (ALL SOLD SEPARATELY):

- Strut Bar for Ceiling
- Strut Bar for Lights
- Eyebolts or D-Rings
- Drill
- Wrenches



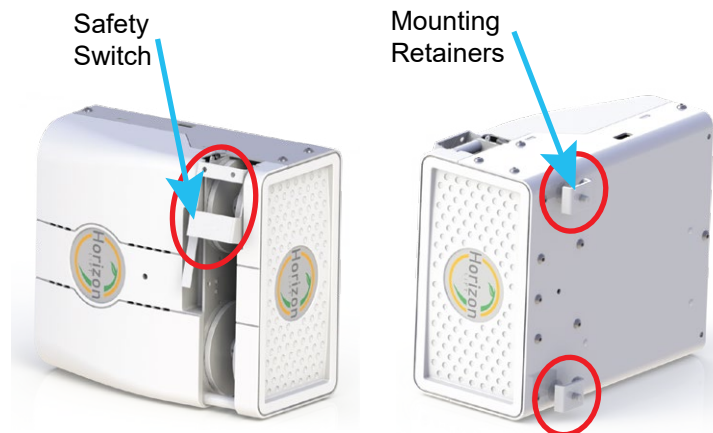
PRIOR TO INSTALLATION

- 1 Download the Horizon Lift APP onto a mobile device that will be used to operate the Horizon Lift. Follow the Horizon Lift APP instructions for operation.

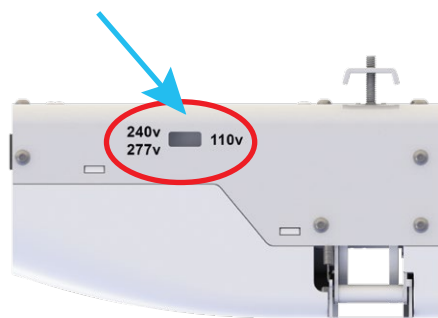
The Horizon Lift APP is available for both iOS and Android systems.



- 2 Open and carefully remove the Horizon Lift unit. Place the Horizon Lift on it's side to avoid pressure on the mounting retainers.
- 3 Locate and push on the safety switch to make sure that the safety switch is springing back when pushed.



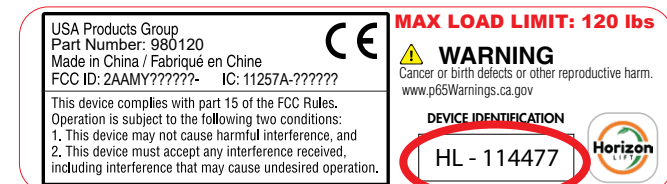
- 4 All Horizon Lifts are preset to 110v. **If your voltage requirement is 240v or 277v, you MUST switch the voltage on the unit.** To do this, locate the voltage window on the side of the lift. Use a screwdriver or tool to move the switch from **right to left** for proper voltage selection. If you are not sure what voltage you should use, consult your local Electrician for help in determining the correct voltage that is required for your lift & power source.



- 5 Before installing the lift, it is best to sync up and / or rename your lift on your mobile device. To do this, plug the lift into a power source. Locate the sticker on the back of the Horizon Lift to obtain the device ID code. Example: #HL-114477. Use the device ID code to sync and rename the lift on the mobile device. **Refer to the Horizon Lift APP instructions.**

If you renamed your lift, write the new name and # on the labels provided. Place the label on Horizon Lift in a visible spot. New label example name: **Rm1 Lift 1**

After renaming and syncing the system, unplug the power cord from the Horizon Lift.



INSTALLATION

WARNING: It is the user's responsibility to ensure that the ceiling, overhead support stud or structure used for mounting, is of adequate strength to hold the weight of the lift system and grow lights that will be installed.

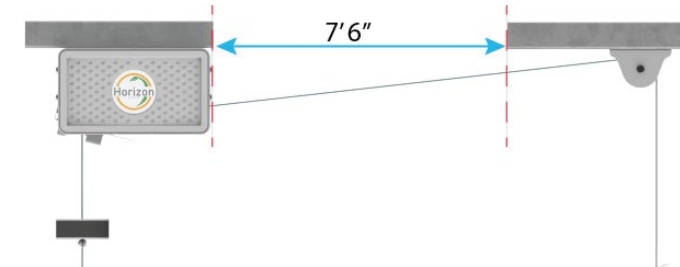


NOTE: The Horizon Lift - Light Mover is designed to be installed to a strut bar. If your existing overhead support location does not have a strut section or bar, you will need to purchase and install prior to attaching the Horizon Lift.

It is recommended for one Horizon Lift: one piece of strut bar at 10 ft. in length or two pieces of strut bar at a minimum length of 12 inches.

- 1 You will need to install the strut bar to your overhead ceiling using the appropriate hardware. If using two pieces of strut bar, please make sure that the distance between the strut is at least 7ft 6in.

WARNING: Make sure the strut sections are aligned straight on the centerline and securely fastened to a stud or overhead structure.



- 2 Now slide the mounting retainers on the Horizon Lift unit into the strut track.

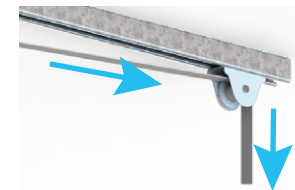


- 3 Slide the mounting retainers for the guide pulley into the strut track.

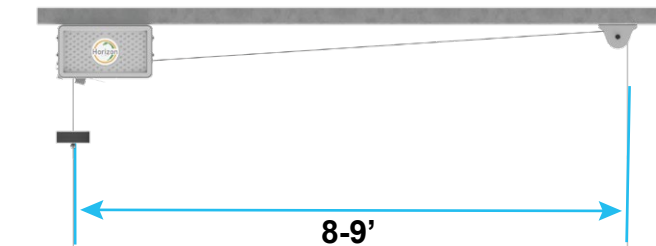


- 4 Unwind the webbing and feed the secondary webbing through the guide pulley.

NOTE: It is critical that the webbing lay flat on the pulley with no twist in the webbing.



- 5 After feeding the webbing through the guide pulley, measure the distance between the two webbing sections. The minimum distance between the two webbing sections should be a minimum of 8ft to a maximum of 9ft.



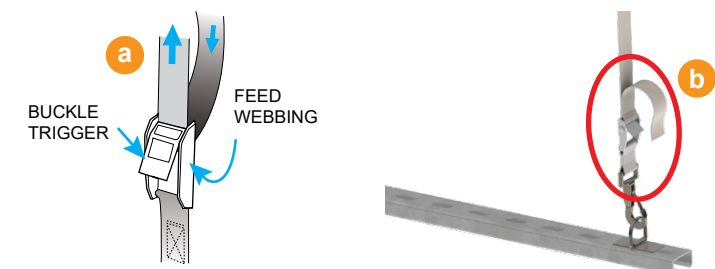
NOTE: If you require a wider span than 9ft, please contact us to get further support on installation.

- 6 Once the distance is confirmed, finish tightening all bolts on the mounting retainers for the guide pulley and the Horizon Lift making sure all are securely fastened.
- 7 Reconnect the power cord to the Horizon Lift unit and your power source outlet.
- 8 You are now ready to attach the strut bar for hanging your lights.

ATTACHING A STRUT BAR TO HANG LIGHTS

To attach a strut bar to hang your lights, you will need a 10ft strut bar and 2 ea. attachment points, either eyebolts or D-Rings and related hardware. These are sold separately.

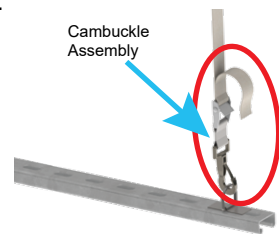
- 1 Lay out a strut bar under the area where the webbing is hanging down.
- 2 Feed the webbing through the bottom of the cambuckle and out under the buckle trigger (a). The excess webbing should be facing the outside of the buckle assembly by the buckle trigger (b).



- 3 Measure 2-3 inches in from where the webbing is hanging down in a straight line and install attachment point hardware (eyebolt, D-Ring) on the strut bar that will hold the lights.



- 4 Attach the hooks to eyebolts or D-Rings, making sure that there are no twists in webbing and that the excess webbing from the strap is hanging toward the outside of the light bar.



- 5 Make any final adjustments to the strut bar to ensure it's level by pulling the excess webbing up through the cambuckle on either side.

- 6 Wind excess webbing and secure with velcro strips.

- 7 You are now ready to operate and test your lift before adding lights to your bar.

WARNING: DO NOT Press the down button first. The webbing is preset to retain 1 ft of webbing on spools (a red indicator line can be seen on the webbing). **DO NOT** allow this to move out from the lift.

- 8 Cycle the lift through it's range at least three cycles to verify correct setup. Press the **UP** button to move the bar all the way up until the safety stop is activated, then press the **DOWN** button to lower bar to the lowest point above your plants. Refer to the Horizon Lift App instructions for operation.

While testing, if one side of the lift gets higher or lower than the other side, you can select a single side to control to re-level. Make sure when you're done adjusting, you click back to control both sides of the lift. Once you have successfully tested your lift, you are ready to attach lights to the bar and operate.



TROUBLESHOOTING

If the Horizon Lift is NOT responding, read below: Check to make sure you are within range. The wireless range for any Horizon Lift operation is 30 feet.

You can have more than one mobile device synced up to the same Horizon Lift, **BUT ONLY ONE** of these devices can operate the lift at one time. Therefore if another user is in active "in use" mode then you can not operate the lift. You will be synced up but unable to operate. To gain access for you to operate the lift, the other user must deselect from active "in use" or move out of the 30 ft range.

If you are trying to operate the lift using the up or down buttons and do not see a response from your desired lift, **DO NOT** keep holding down the buttons. You may be synced up and operating a lift in a different location. Check to be sure you are synced with the correct desired lift before proceeding.

If further assistance is needed - Please Contact 1-800-334-3294 or visit www.HorizonLift.com

WARRANTY

The use and attachment of this product is beyond the control of USA Products Group. USA Products Group warrants this product to be free from defects in materials and/or workmanship for up to 1 year after the date of purchase. Proof of purchase is required to obtain warranty coverage. The liability of this product is limited to the replacement cost of this product should it be found to be defective in material or workmanship. This warranty does not cover normal wear and tear, unreasonable or excessive use, improper installation, damage and / or any alterations of this product. Warranty is void if the lift hardware or webbing is damaged, cut, worn or used improperly.

FCC Caution:

The manufacturer is not responsible for radio interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate this equipment. FCC/ 47CFR15.21

Class B digital device

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- FCC/47CFR15.105

Industry Canada:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

⚠ WARNING

This product can expose you to chemicals, including lead, which is known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, go to www.p65Warnings.ca.gov



Designed and Developed in U.S.A
Made in China
For USA Products Group
Lodi, California 95240

YOU CAN FIND US ON:



SEE OUR INSTALLATION
VIDEO HERE:



FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.