PROGRESSIVE AUTOMATIONS
FORWARD THINKING

Scan for more information

FLT-05

User Manual

V1.0

TABLE OF CONTENTS

SAFETY PRECAUTIONS

When installing and using your Progressive Automations table lift, basic safety precautions should always be followed. Please read all safety precautions thoroughly and be familiar with all functions of the product before use. Apply all other relevant precautions when operating electrical and moving mechanical devices.

DANGER

- Ensure no obstacles are in the desk's path. Ensure the tabletop is not touching any walls. Ensure all cords are appropriate length to accommodate the change in height. Avoid using the table lift in environments with explosive gases or flammable materials.
- Keep children away from electric height-adjustable desks, control units, and handsets. There is a risk of injury and electric shock.
- Keep all electrical components away from liquids.
- Do not sit or stand on the table lift. Do not crawl or lie under the table lift.
- Do not place any objects taller than 20" underneath the desk.

WARNING

Pinch Point Keep hands and fingers clear**.**

- During the Reset Procedure, the desk will retract **7mm below the lowest normal operating height.** Ensure no obstacles impede this motion.

OPERATING NOTES

Warranty
Any attempts to disassemble or tamper with the table lift's internal components or operation outside of the advertised usage limitations will result in voiding the product's warranty. For more information on our warranty terms, visit: https://www.progressiveautomations.com/pages/warranty-terms

Force Restrictions
Table lifts must be used within the specified force rating outlined in this documentation. Load must be evenly distributed. Exceeding the recommended force rating may result in failure of the table lift. It may also damage the product and void the warranty. Please note that the weight of the load does not always equal the total force due to mechanical advantage, wherein the force may increase or decrease depending on the application.

Operation Time
Table lifts must be operated within the specified operation time and frequency. Exceeding the duty cycle rating can significantly reduce the table lift's expected lifespan and will void the warranty.

SPECIFICATIONS

SPECIFICATIONS

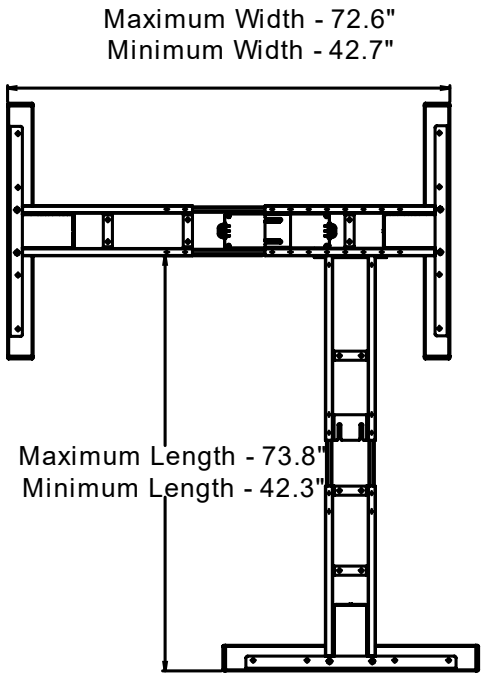
Specification	Description
Input Voltage	120 VAC, 60 Hz
Force	330 lbs (110 lbs per Leg)
Speed	1.57"/sec
Frame Height	23.6" - 49.1"
Frame Width	42.7" - 72.6"
Foot Length	23.6"
Duty Cycle	10% (2 Minutes On, 18 Minutes Off)
Collision Detection	Yes
Frame Material	Steel
Remote Functions	Program Up to 4 Memory Presets, USB Charging Port
Protection Class	IP51 Legs and IP20 Controller
Unit Weight	97.30 lbs
Certifications	UL (Customizable)
Limited Warranty	15 Years
Operating Noise	<45 dB

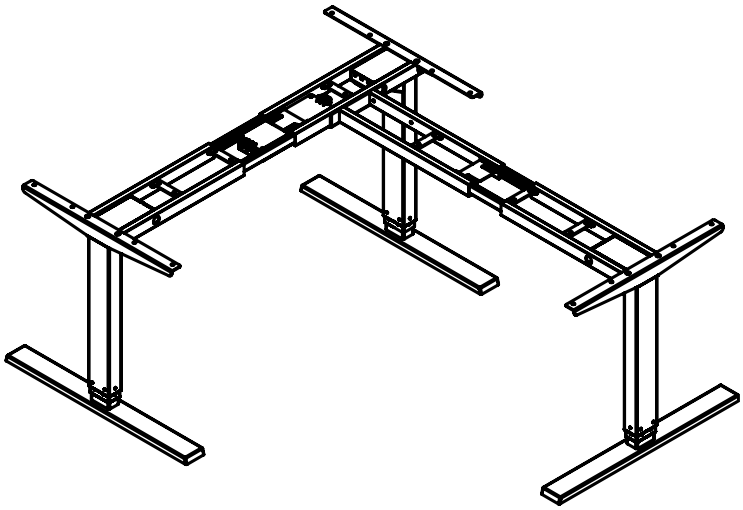
Features	Description
Soft Start and Stop	The table lift will accelerate to maximum speed and decelerate to a stop to ensure smooth travel.
Collision Detection	The table lift will stop movement and briefly move in the opposite direction if an obstruction is detected. Refer to Collision Detection Sensitivity in Operations section to configure.
Memory Presets	The wired remote has the ability to save preset height locations for convenience. Refer to Memory Presets in Operations section. **Note:** Not available in all remote models.
Low Power Mode	Remote LED height display will turn off when left idle for 10 seconds. **Note:** Not available in all remote models.

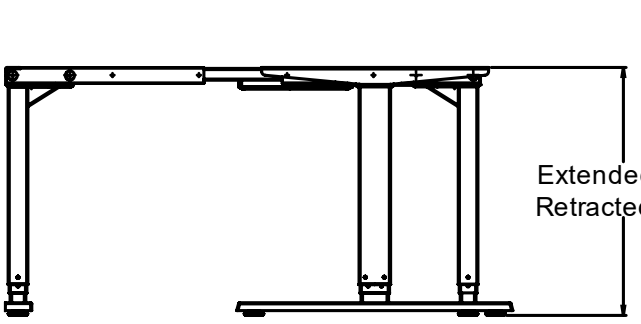
DIMENSIONAL DRAWING

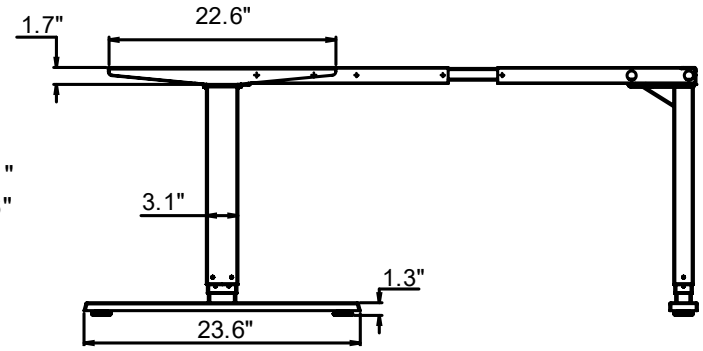
Note: All dimensions are listed in inches.

DIAGRAM









COMPONENTS

IMPORTANT

The drawings below are for reference only and may be slightly different from the physical product. Please contact us if you have missing or damaged components.

TOOLS YOU WILL NEED

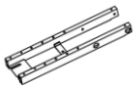
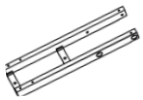
Tools Included

Included Allen Wrench

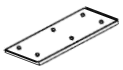
You'll Also Need

Phillips Head Screwdriver

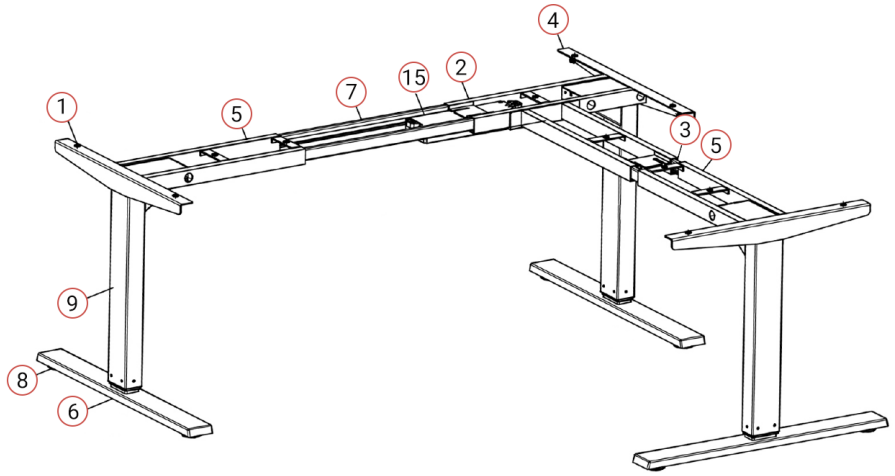
Electric Drill (optional)

No.	Part	Qty
1	 (Pre-installed) Rubber Grommet	12
2	 Primary Frame	1
3	 Secondary Frame	1
4	 Side Bracket	3
5	 Frame End	2
6	 Foot	3
7	 Center Rail	4

No.	Part	Qty
8	 (Pre-installed) Foot Leveller	6
9	 Leg	3
10	 Cable Clip	6
11	 M5x16 Wood Screw	2
12	 M5x20 Wood Screw	12
13	 M6x10 Machine Screw	32
14	 M6x14 Machine Screw	18

No.	Part	Qty
15	 Control Box	1
16	 Extension Cable (4 ft.)	2
17	 Power Cord	1
18	 Remote (may vary based on selection)	1
19	 Straight Bracket	2
20	 M5x20 Self Tapping Wood Screw	12

Progressive Desk Tabletop Hardware
For added convenience, all Progressive Desk tabletops are also shipped with compatible mounting hardware.



ASSEMBLY

IMPORTANT

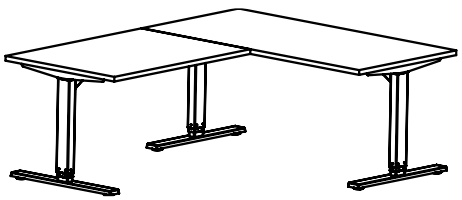
To avoid damage to your floor and to the products, assemble on a soft and even surface that is free from any obstructions. This can be a carpeted floor, rug or towel. The tabletop foam panels and cardboard can be used as well.

STEP 1: DETERMINING TABLE LIFT ORIENTATION

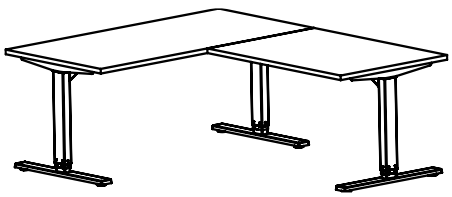
The Secondary Frame (3) can be attached to either side of the Primary Frame (2) to achieve your desired orientation. Refer to the 2 orientations below. If attaching a seamless one-piece tabletop, proceed to Step 10 (page 12).
We recommend considering the following when determining the orientation:

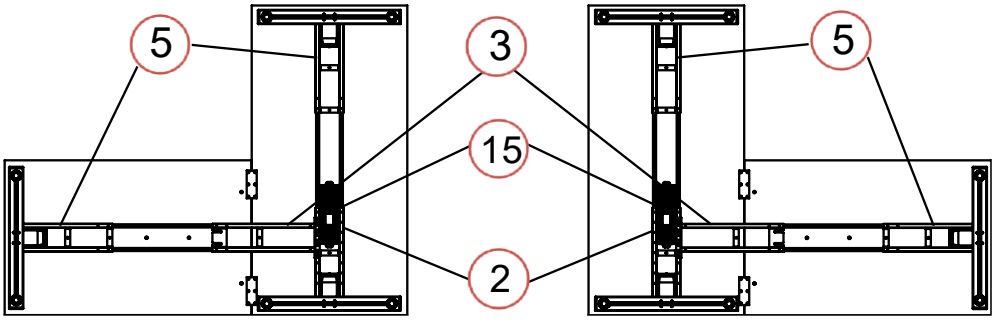
- Tabletop dimensions
- Leg and feet orientation
- Grommet hole location

Orientation A



Orientation B





Bottom View

STEP 2

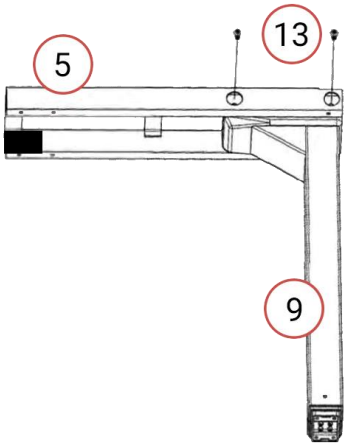
On the protected surface of your floor, lay your tabletop facing down. Orient it according to Step 1. The table lift assembly process can be done directly on the tabletop surface as if you were building the table lift upside down.
Note: Some tabletops are reversible. Take care to orient them according to features like pre-drilled holes and grommet holes.

⚠ IMPORTANT

Do not slide the table lift components on the tabletop as this may damage the Rubber Grommets (1) pre-installed on the Frames.

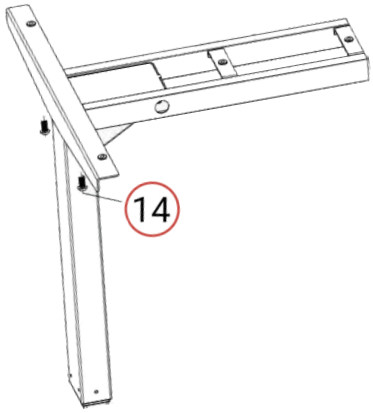
STEP 3

Use four M6x10 Machine Screws (13) to attach one Frame End (5) to one Leg (9). Repeat these steps to attach the remaining two Legs (9) to one Frame End (5) and one Primary Frame (2).



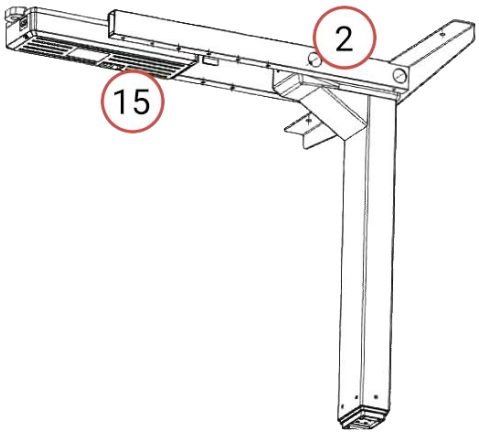
STEP 4

Slide one Side Bracket (4) onto the Frame End (5) of the subassembly created in Step 3. Insert two M6x14 Machine Screws (14) through the two holes at the bottom of the Side Bracket (4) to secure it to the Frame End (5). Tighten the screws.
Repeat these steps for the other 2 subassemblies created in Step 3.



STEP 5

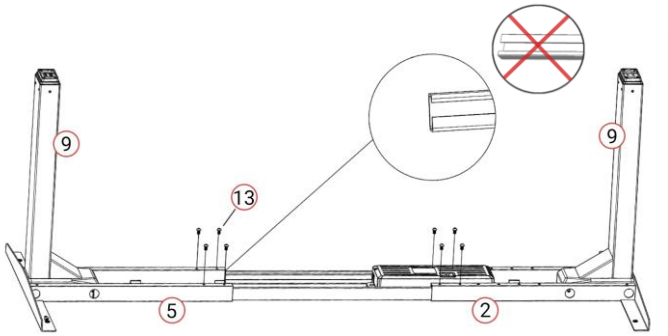
Install one Control Box (15), by sliding the interlocking slots of the Control Box (15) and Primary Frame (2) together.



STEP 6

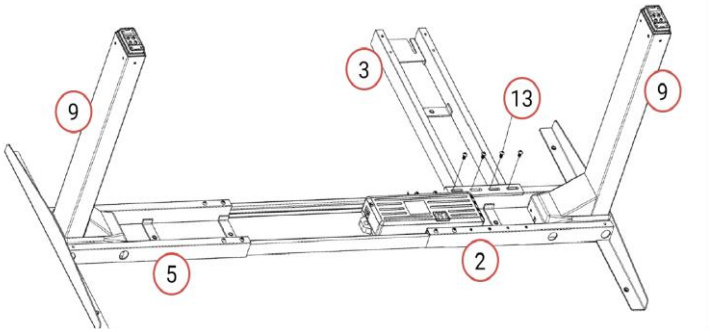
Slide two Center Rails (7) into the Primary Frame (2) subassembly. Make sure the slots on the two Center Rails (7) are facing each other. The slots on each Center Rail (7) will be closer to one side, see the diagram below for the correct orientation. Installing it in the correct orientation will prevent the Center Rails (7) from being inserted all the way into the frame.
Slide the End Frame (5) subassembly into the opposite end of the two Center Rails (7). Loosely insert eight M6x10 Machine Screws (13) to partially secure the Center Rails (7) onto the frame. This is to allow for adjustments at a later stage.

Ensure the slot is facing inward and is closer to the top edge.



STEP 7

Following the orientation (A or B) selected in Step 1, place the completed table lift frame subassemblies on top of your upside-down tabletop. The image below shows Orientation B as an example.



Orientation (B) shown

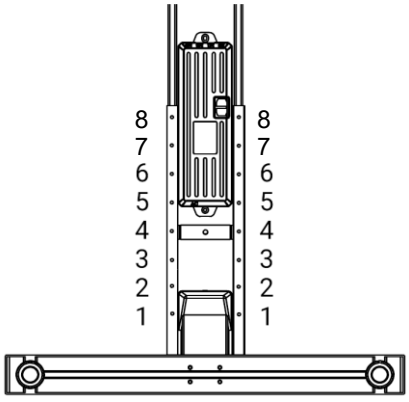
When attaching the Secondary Frame (3) to the Primary Frame (2), there are 8 holes to choose from to accommodate different tabletop size combinations.
To determine which holes to choose:

- Ensure edges of tabletops are flush against each other
- Ensure table lift frame is centered on the tabletops

For Progressive Tabletops, follow the list below:

- 30" Depth tabletops: Holes 4 to 7
- 28" Depth tabletops and DT-90: Holes 3 to 6
- 24" Depth tabletops: Holes 2 to 5

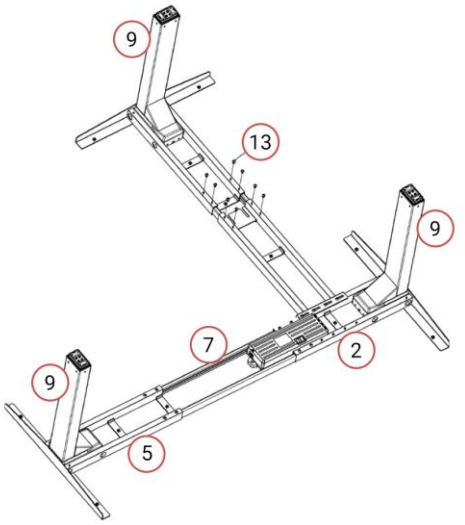
Once the holes have been determined, insert four M6x10 Machine Screws (13).



Primary Frame (2) Hole Locations

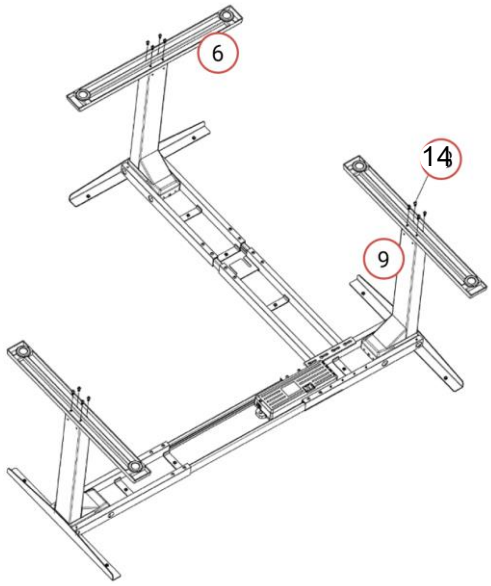
STEP 8

Slide two Center Rails (7) into the Secondary Frame (2). Note the Center Rails' (7) orientation as described in Step 6. Slide the End Frame (5) subassembly into the opposite end of the Center Rails (7). Loosely insert eight M6x10 Machine Screws (13) to partially secure the Center Rails (7) onto the frame. This is to allow for adjustments at a later stage.



STEP 9

Install one Foot (6) using four M6x14 Machine Screws (14) onto one Leg (9). Tighten the screws in a criss-cross formation to prevent misalignment. Repeat these steps for the other two Legs (9).

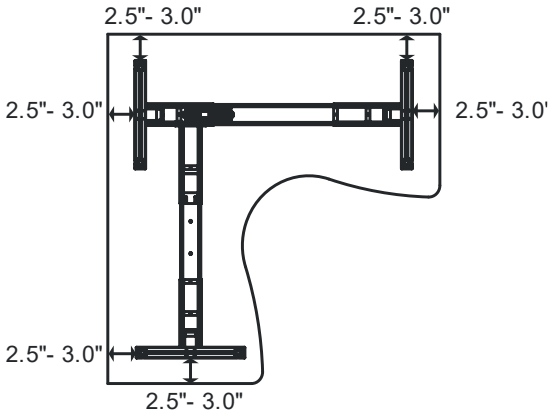


⚠ IMPORTANT

Do not slide the table lift components on the tabletop as this may damage the Rubber Grommets (1) pre-installed on the Frames.

STEP 10

This step is for tabletops without pre-drilled holes. Skip this step if it has pre-drilled holes.
Move the table lift frame components to desired final position on top of the upside-down tabletop. Use a pencil to mark the twelve tabletop mounting hole locations. Remove the table lift frame from the tabletop. To assist in installation of the tabletop once it is right side up, you will need to create pilot holes. Install M5x20 Wood Screws (12) on the marked locations. Install only 1/4 of screw's length and then remove the screws. Place Progressive Desk DT-90 corner tabletop in accordance to the suggested dimensions in the diagram for best fitment.
Optional: An electric drill with a drill bit may be used to create pilot holes instead of the wood screws.



STEP 11

For this step, it is advised that you use two or more people for flipping the table lift right-side up.
To make the flipping process easier, the Frame End (5) and Center Rails (7) connected to the Secondary Frame (3) will need to be temporarily detached. To do this, loosen the screws connecting the Center Rails (7) to the Secondary Frame (3). Once loose, detach the entire subassembly. Flip all of the sub-assemblies right-side up.

STEP 12

Once upright, reattach the subassembly. Do not fully tighten the screws on the Center Rails (7) to allow for adjustments at a later stage.

STEP 13

Place the tabletop on the table lift, in the desired orientation as determined in Step 1.

STEP 14

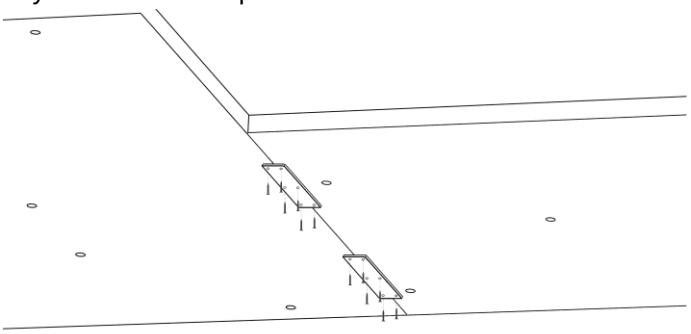
Attach the tabletop onto the table lift using the mounting screws that were provided with the tabletop until the Rubber Grommets (1) attached to the Side Brackets (4) are slightly compressed but not flattened.

STEP 15

Review the tabletop position on the table lift frame. Ensure edges of tabletops are flush against each other and tabletop is centered on table lift frame. Tighten the four M6x10 Machine Screws (13) connecting the Secondary Frame (3) to the Primary Frame (2).
Ensure the Center Rails (7) are at the center of the two adjoining Frame components by sliding them to the appropriate position. Tighten all twelve screws securing the Center Rails (7) on all Leg (9) subassemblies.

STEP 16

This step is for two-piece tabletops. Skip this step if you have a one-piece tabletop.
Position two Straight Brackets (19) on the bottom side of the tabletops as shown in the diagram. Make sure the countersunk holes are facing away from the tabletop.



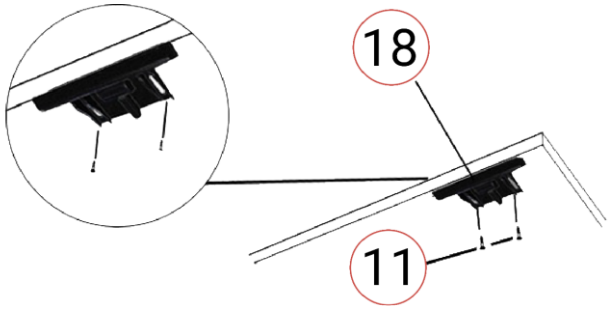
Install each of the two Straight Brackets (19) to the tabletops using six M5x20 Self Tapping Wood Screws (20). Hand tighten only to prevent damage to the table top.

STEP 17

Identify the desired Remote (18) location, ensuring that the cable is able to reach the Control Box (15).
Note: The ideal position is within user's reach and does not impede with the user's legs when leaving the desk.

STEP 18

Align the Remote (18) with the tabletop edge. Use two M5x16 Wood Screws (11) to install.
Optional: An electric drill may be used to add pilot holes before installing screws.



STEP 19

Connect the Remote (18) to the HS port of the Control Box (15).

STEP 20

Connect the cables coming from the three Legs (9) to the Control Box (15) ports M1, M2 and M3 in any order. Use the Extension Cables (16) if necessary. Plug the Power Cord (17) to the Control Box (15). Use Cable Clips (10) to affix any loose cables to the tabletop or table lift frame.

STEP 21

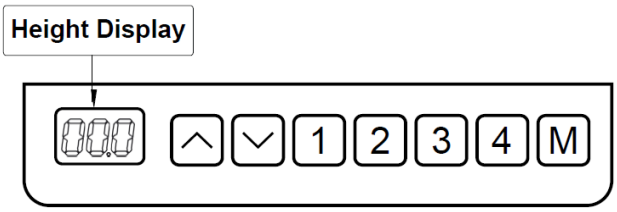
Once the Corner Ryzer is connected to power, calibrate the system with a Reset Procedure as described in the Operations section. Move the completed Corner Ryzer to the desired location and adjust the Foot Levellers (8) to achieve a level tabletop surface.

OPERATIONS

REMOTE BUTTONS

MEMORY PRESET PROGRAMMING

1. Use the UP or DOWN button to bring the desk to the desired height.
2. Press M button once, followed by the desired Memory Preset button.

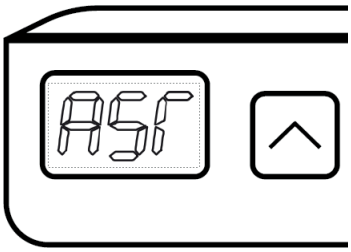


- UP - Hold to move table lift up
- DOWN - Hold to move table lift down
- 1 Memory Preset 1
- 2 Memory Preset 5
- 3 Memory Preset 3
- 4 Memory Preset 4
- M Memory Preset programming button

RESET PROCEDURE

WARNING: During the Reset Procedure, the table lift will retract 7mm below the lowest normal operating height. Please ensure that no obstacles impede this motion of travel.

1. If remote height display shows "ASr", skip to Step 4.
2. Move the table lift to the lowest position using DOWN button.
3. Once at the lowest position, press and hold the DOWN button on the remote until height display shows "ASr". Release the DOWN button.
4. Press and hold the DOWN button, the table lift will move down 7mm below the lowest normal operating position. Continue to hold the DOWN button until the table lift moves back up to the lowest normal operating position. Release the DOWN button.



5. The table lift height will be displayed on the remote height display and is now ready for use.

HEIGHT CALIBRATION

Calibrate the Remote height display to match actual height of desk which may differ depending on feet height or tabletop thickness.

1. Move the table lift to the lowest position using the DOWN button. Measure the height from the floor to surface of tabletop. If measured height does not match the height on the remote height display, continue with the following steps.
2. Press and hold the DOWN button until height display shows "ASr". Release the DOWN button.
3. Press and hold the M button until the height display flashes.

4. Use the UP and DOWN buttons to match the height display with your measured height.
5. Once the correct value is displayed, do not touch the remote until the height display flashes "ASr". Hold the DOWN button until the table lift slightly lowers, then slightly rises back up. Release when the table lift height is displayed on the remote.

REMOTE CONTROL LOCK

To Lock
Press and hold the M button. The remote height display will show "S-", then it will show the table lift height, and finally it will display "LOC". The remote control buttons are now locked.
To Unlock
Press and hold the M button until the height display shows the table lift height.

HEIGHT DISPLAY UNITS (INCH OR CENTIMETER)

1. Move the table lift to the lowest position using the DOWN button.
2. Press and hold the DOWN button until the display shows "ASr". Release the DOWN button.
3. Hold the 2 button to select through the options. Release once the display shows the code corresponding to the desired setting.
   "10.3" – centimeters
   "10.4" – inches
   Once the selection is made, "ASr" will show up on the display.
4. Hold the DOWN button until the table lift slightly lowers, then slightly rises back up. Release when the table lift height is displayed on the remote.

COLLISION DETECTION SENSITIVITY

1. Move the table lift to the lowest position using the DOWN button.
2. Press and hold the DOWN button until the display shows "ASr". Release the DOWN button.
3. Hold the UP button to select through the options. Release once the display shows the code corresponding to the desired setting.
   "10.5" - 22lbs
   "10.6" - 33lbs
   "10.7" - 55lbs
   Once the selection is made, "ASr" will show up on the display.
4. Hold the DOWN button until the table lift slightly lowers, then slightly rises back up. Release when the table lift height is displayed on the remote.

MEMORY PRESET ONE-TOUCH AND CONSTANT-TOUCH MODE

One-Touch mode is the default setting. The memory preset button may be pressed once without holding and the table lift will move to the desired height. Any button may be pressed to stop movement.
Constant-Touch mode requires you to hold the memory preset button until the desired height is reached. Releasing the memory preset button earlier will make the table lift stop immediately.

1. Move the table lift to the lowest position using the DOWN button.
2. Press and hold the DOWN button until the display shows "ASr". Release the DOWN button.

3. Hold the 1 button to select through the options. Release once the display shows the code corresponding to the desired setting.
   "10.1" - One-Touch
   "10.2" - Constant-Touch
   Once the selection is made, "ASr" will show up on the display.
5. Hold the DOWN button until the table lift slightly lowers, then slightly rises back up. Release when the table lift height is displayed on the remote.

MINIMUM AND MAXIMUM HEIGHT LIMIT

Resetting to Default Minimum and Maximum Height Limit

1. Press the M button once and wait for the display to show "S-".
2. Hold the M button until the display shows "555" and then release.

Setting Maximum Height Limit

1. Use the UP or DOWN button to bring the desk to the desired maximum height limit.
2. Press the M button once. "S-" will appear on the display screen. Press the UP button once, the "S-" will flash once.
3. Hold the M button until the display shows "999". Release the M button.

Setting Minimum Height Limit

1. Use the UP or DOWN button to bring the desk to the desired minimum height limit.
2. Press the M button once. "S-" will appear on the display screen. Press the DOWN button once, the "S-" will flash once.
3. Hold the M button until the display shows "000". Release the M button.

TROUBLESHOOTING

Common Problems		
Problem	**Description**	**Solution**
Table lift is not level	Connection issue	Disconnect and reconnect all cables (Lifting Column, Control Box, AC Power, and Remote), then initiate the Reset Procedure.
	Weight issue	Ensure weight on table lift is evenly distributed and does not exceed table lift limits, then initiate the Reset Procedure.
Remote height is not displayed	Low Power Mode active	Press any button on the Remote to reactivate the display.
	Connection issue	Ensure Remote and Power Cord connection to Control Box is secure. Check that remote plug and control box port is free of damage.
Table lift unresponsive	Max/Min Height Limits reached	Please refer to Setting Minimum and Maximum Height Limit.
	Connection issue	Disconnect and reconnect all cables connected to Control Box. Ensure all cables are secured to the Control Box and free of damage.
Significantly slow movement	Overweight	Ensure the weight on the table lift is evenly distributed Check that the total weight on the table lift does not exceed limits.
Unusual noise during travel	Overweight	Ensure the weight on the table lift is evenly distributed Check that the total weight on the table lift does not exceed limits.
Table lift stops abruptly	Obstruction	Ensure there are no obstructions affecting the table lift's travel path.

Error Codes (Remotes with Height Display)		
Error Code	**Description**	**Solution**
E01 - E04	Power issue	Ensure AC outlet is not faulty. Ensure all parts in the table lift are authentic and compatible. Initiate Reset Procedure to clear the error.
E07	M1 - Connection issue	Ensure all Leg wires are securely connected to the Control Box and cables are free of damage. Ensure there are no obstructions affecting the table lift's travel path. Ensure weight on table lift is evenly distributed and does not exceed table lift limits. Initiate Reset Procedure to clear the error after the above is checked.
E08	M2 - Connection issue	
E09	M3 - Connection issue	
E10	M4 - Connection issue	
H01	Over heat / Duty	Allow the system to rest for 18 minutes before using again. Follow the Duty Cycle rating listed in the Specifications section to prevent overheating.