PROGRESSIVE DESK

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Model: FLT-09 ***User Guide***

v1.05

Caution

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.

Warning

Pinch Point

Keep hands and fingers clear.

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 desk frame. Do not crawl or lie under the desk frame.

Do not place any objects taller than 20" underneath the desk.

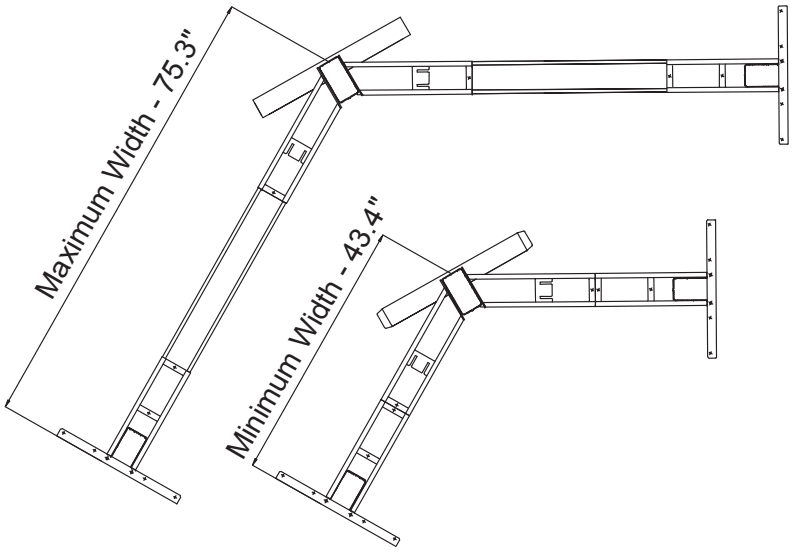
During the Reset Procedure, the desk will retract **7mm below the lowest normal operating height**, ensure no obstacles impede this motion of travel.

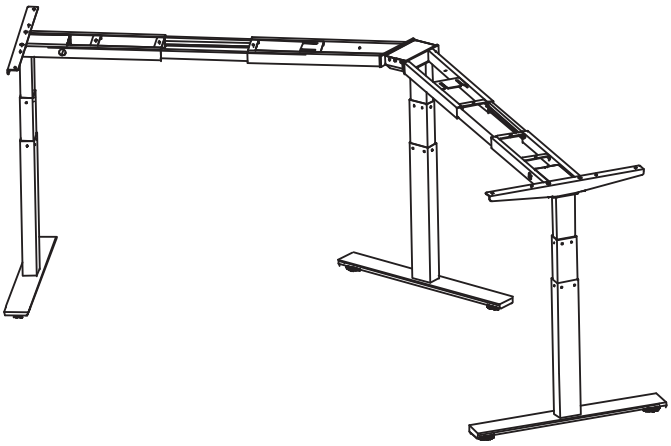
Specifications

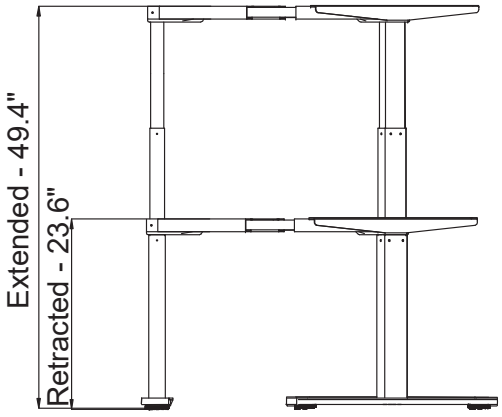
Input Voltage	120VAC, 60 Hz
Output Voltage	24VDC
Stroke (movement)	25.5"
Height Range (without tabletop)	23.6” - 49.1”
Weight Capacity (load)	330 lbs (110 lbs per leg)
No Load Speed	1.57"/s
Full Load Speed	1.18"/s
Duty Cycle	10% (2 minutes on, 18 minutes off)
Operating Noise	< 50 dB
Frame Material	Steel
Finish	Powder Coat - White, Black, Grey
Leveling	Adjustable Leveling Feet
Low Power Mode	Standby < 0.1W
Protection Class	IP51 Legs and IP20 Controller
Certification	UL (Customizable)

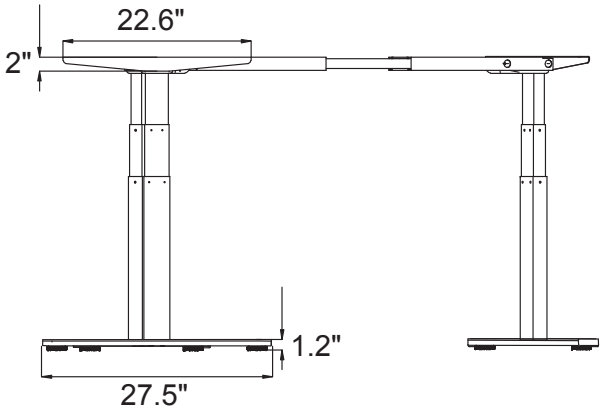
Feature	Description
Soft Start and Stop	The tablelift will accelerate to maximum speed and deccelerate to a stop to ensure smooth travel.
Memory Presets	The Smart Remote has the ability to save preset height locations for convenience. Set the numbered buttons on the Smart Remote for quick and seamless adjustment.
Anti-Collision	The Anti-Collision feature will help protect the tablelift against obstacles which impede the motion of travel. There are 3 force settings which can be detected during travel, 22lbs, 33lbs, and 44lbs.

Dimensional Drawing





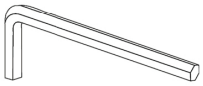




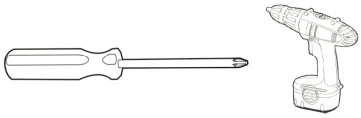
*Feet and column style may vary slightly

Components

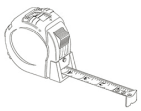
Tools



4mm Allen Wrench (included)

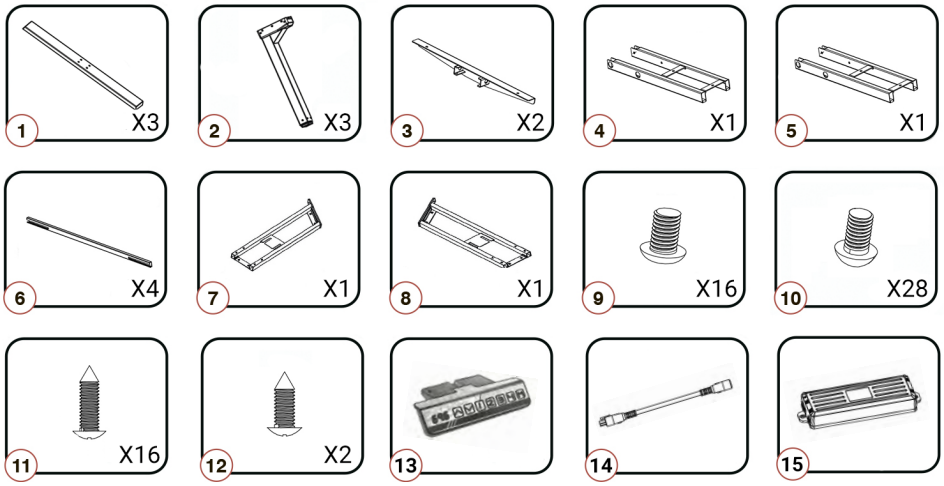


Phillips Head Screwdriver
and/or Power Drill

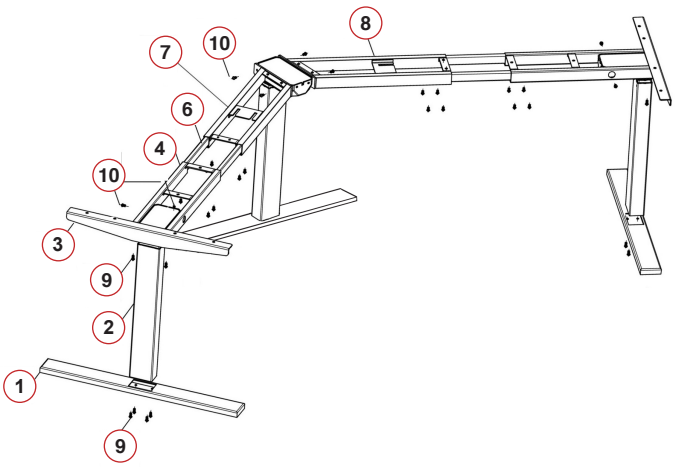


Tape Measure

Parts



Parts Diagram



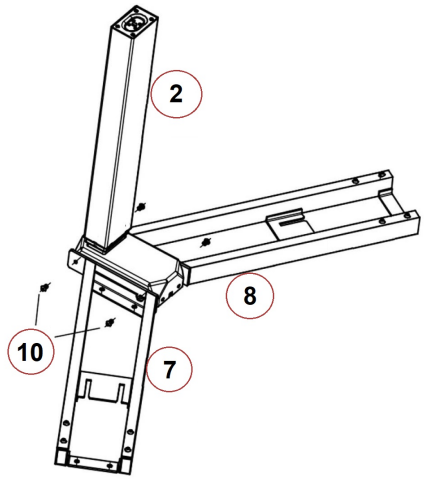
NO.	Description	Qty
1	Feet	3
2	Leg	3
3	Side Bracket	2
4	Frame 1	1
5	Frame 2	1
6	Center Rail	4
7	120° Frame 1	1
8	120° Frame 2	1
9	M6x14 Machine Screw	16
10	M6x10 Machine Screw	28
11	M5x20 Wood Screw	16
12	M5x16 Wood Screw	2
13	Remote	1
14	Extension Cable	1
15	Control Box	1

Assembly

STEP 1
Attach the 120° Frames (7,8) to one of the Legs (2) as shown in the picture below. Line up the holes on the Leg with the holes on the Frames.

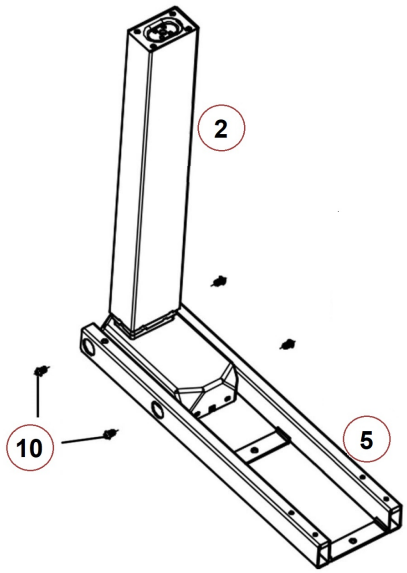
Use the supplied Allen Wrench to insert four M6x10 Machine Screws (10) through the holes on the Frame

(7,8) going into the Leg (2). Rotate each screw just a few turns until all four are inserted, then tighten them.

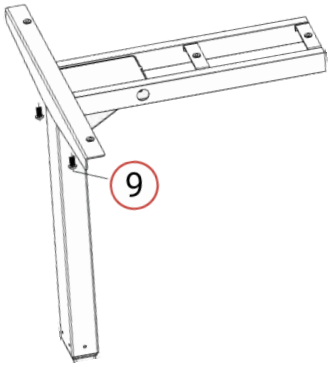


STEP 2
Place one of the Legs (2) into one of the Frames (4,5) and line up the holes.

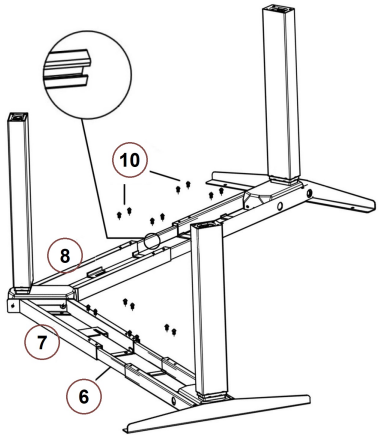
Use the supplied Allen Wrench to insert four M6x10 Machine Screws (10) through the holes on the Frame (4,5) going into the Leg (2). Rotate each screw just a few turns until all four are inserted, then tighten them. Repeat the process for the other Leg and Frame.



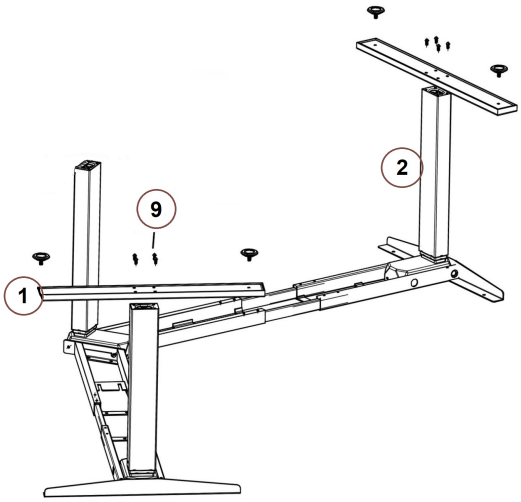
STEP 3
Slide the Side Brackets (3) into both Frames (4,5). Attach the brackets using two M6x14 Machine Screws (9).



STEP 4
Slide the Center Rails (6) into the 120° Frames (7,8) and attach them into position using sixteen of the M6x10 Machine Screws (10).



STEP 5
Attach each Foot (1) to each Leg (2) with four M6x14 Machine Screws (9) and tighten them.



Assembly

STEP 6
Place the assembled three-leg frame onto the underside of your tabletop. Adjust the width of the frame to fit your tabletop by sliding the two halves apart.

We recommend leaving at least 1.25" of the tabletop extending beyond the assembled frame. Make sure to center the Side Brackets (3).

STEP 7
If your tabletop has pre-drilled holes, skip ahead to Step 8. If not, lock the position of the Center Rails using eight of the M6x10 Machine Screws (10). Make sure the screws make contact with the Center Rails (6) by sliding them as needed.

STEP 8
Ensure that the wood screws are not too long for your tabletop.

If you have a Progressive Desk tabletop, please use the provided machine screws included with the tabletop. Attach the frame to the tabletop using seven of the M5x20 Wood Screws (12).

Attach the included Hand Remote so the front of the remote is lined up with the tabletop edge. Place the remote anywhere along the edge so that you'll have easy access to it. Use two of the M5x16 Wood Screws (11) to attach and secure the remote to the tabletop. Do not over-tighten the screws as this could cause damage to the components.

STEP 9
Connect the cable from each Leg (2) directly into the control box. Use cable extenders when necessary. Then connect the hand remote cable to the control box. Use the adhesive-backed cable clips to secure the cables so they are not loose and in the way.

STEP 10
We recommend having two people for this step. Flip the fully assembled desk by the legs (not by the tabletop).

IMPORTANT
Prior to normal operation, please complete a Reset Procedure outlined in the next section.

Operation

Normal Operation

Using the wired remote, press and hold the 'Up' button to raise the table lift. To lower the table lift, press and hold the 'Down' button. The 'Up' and 'Down' buttons are momentary controlled, when they are released, the table lift will stop immediately.

To set a preset location, move the table lift to the desired height. Press the 'M' button followed by a numbered button. The LED display will flash an 'S', followed by an 'S - Number'. This will indicate that the preset has been saved.

To use a preset, press any of the numbered buttons and the table lift will begin to move to the preset position. It is important to ensure that no obstacles impede the motion of travel. To stop the table lift, press any button.

If the table lift does not function as intended or the LED display flashes "RSt", please follow the Reset Procedure outlined in the next section.

Setting the LED Display

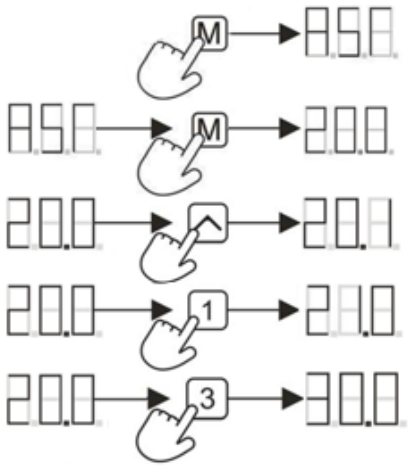
Using the wired smart remote, retract the table lift to the lowest position. Press and hold the 'Down' button again until the LED display flashes "RST".

Press and hold the 'M' button until the LED display flashes the starting height (if the display returns to "RSt" before the next step, repeat this step).

To change the value of the starting height, use the 'Up', 'Down' to increase and decrease by 0.1. Use the '1', '2' to increase and decrease by 1s. Use the '3', and '4' buttons to increase or decrease by 10s.

Once the correct value is displayed, wait 5 seconds until the LED display flashes "RSt". Follow the Reset Procedure outlined in the next section to save the new starting height.

Note: the LED display has a tolerance of ±0.1.



Reset Procedure

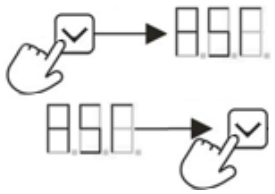
WARNING: During the Reset Procedure, the table lift will retract 7mm below the lowest normal operating height, please ensure that no obstacles impede this motion of travel.

1. Move the table lift to the lowest position. (If there is an 'RSt' displayed on the remote, continue to step 3.)

2. To initiate the Reset Procedure, press and hold the down button on the remote until "ASr" is displayed. Release the down button.

3. Press and hold the down button on the remote, the table lift will begin to retract 7mm lower than the lowest normal operating height. To stop motion at any time, let go of the down button.

4. Once the table lift has completed the Reset Procedure, height will be displayed on the remote.



Troubleshooting

Troubleshooting Guide		
Problem	**Possible Cause**	**Corrective Action**
Remote LED is off.	Low power mode activated	Press any button on the remote and LED will activate.
	Connection issue	Disconnect and reconnect the RJ-45 remote connector. Ensure connection is secure and cable is not damaged.
Table lift does not move when motion control buttons are pressed.	Limit switch reached	Follow "Setting Limit Switches" instructions to remove the programmed limit. If maximum or minimum height limit has been reached, please move the system in the opposite direction.
	Connection issue	Disconnect and reconnect the Lifting Columns, Control Box, AC Power, and Remote.
Table lift travels at a significantly slower speed than rated specification.	Weight issue	Ensure weight capacity has not exceeded the maximum load rating.
Unusual noise during travel.	Weight issue	Ensure weight capacity has not exceeded the maximum load rating.
Table lift stops abruptly during travel.	Obstacle	Ensure there are no obstacles in the path of the table lift. If the movement continues to fail, initiate the Reset Procedure.
Table lift is not level.	Out of sync	Disconnect and reconnect all cables (Lifting Column, Control Box, AC Power, and Remote), then initiate the Reset Procedure.

Error Codes (remotes with LED display)		
Error Code	**Error Summary**	**Description**
E01	M1 overcurrent protection	All columns stop moving and remote displays E01-E04. Ensure that the total weight capacity of the table lift has not been exceeded and that no obstacles obstruct the movement. Press any key and remote will display RST, initiate the Reset Procedure. If the issue persists, disconnect and reconnect all of the lifting columns, including the main power. Repeat the Reset Procedure.
E02	M2 overcurrent protection	
E03	M3 overcurrent protection	
E04	M4 overcurrent protection	
E07	M1 hall error	All columns stop moving and remote displays E07-E10. Ensure that all columns are still properly connected to the control box. Check to see if any cables have been damaged. Press any key and remote will display RST, initiate the Reset Procedure. If the issue persists, disconnect and reconnect all of the lifting columns, including the main power. Repeat the Reset Procedure.
E08	M2 hall error	
E09	M3 hall error	
E10	M4 hall error	
H01	Over heat /duty cycle protection	All columns stop moving, remote displays H01 (if LED screen available). Allow the system to rest for 16 minutes, use normally. Follow the Duty Cycle rating to ensure no issues arise from overheating.

Have any queries? Our expert engineers are here to help!

Progressivedesk.com **1-800-828-9414** **sales@progressivedesk.com**