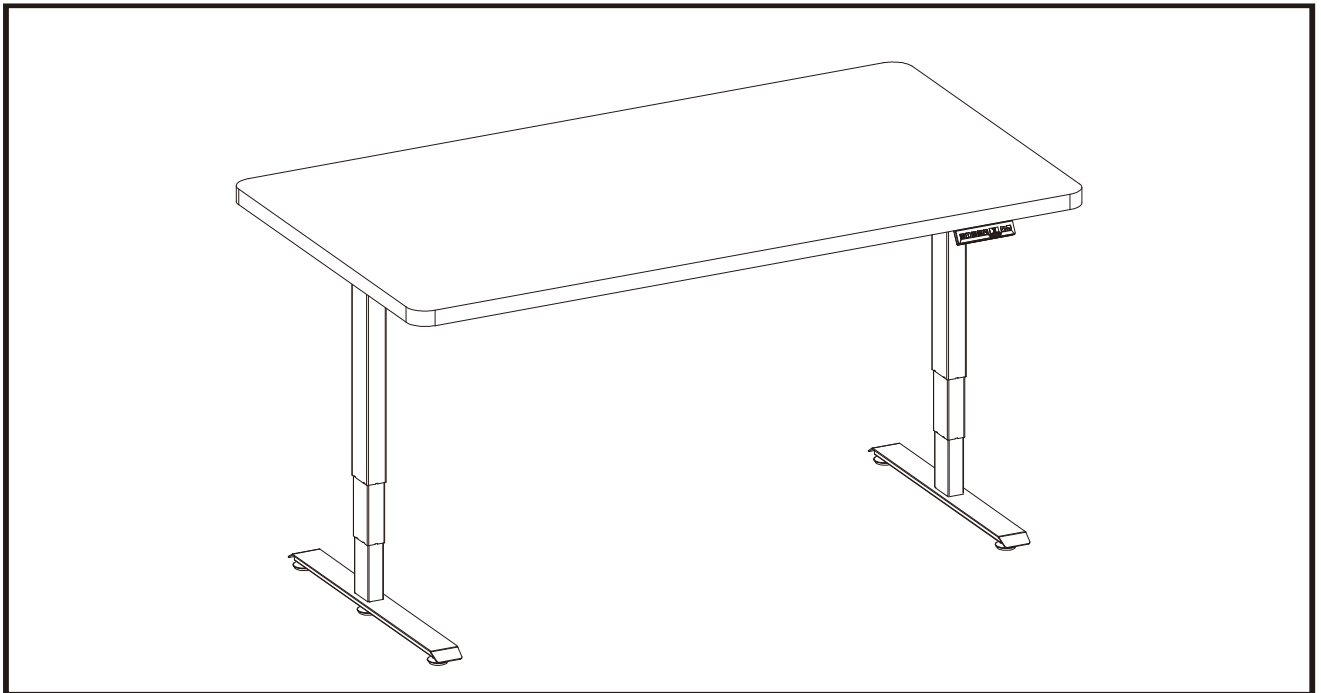


Electric Adjustable-Height Base

User Guide



CAUTION

MAKE SURE NO OBSTACLES ARE IN THE DESK'S PATH AND ALL CORDS ARE OF APPROPRIATE LENGTH FOR DESK TRAVEL. FAILURE TO COMPLY WITH OR OBSERVE ALL ASSEMBLY, SAFETY, AND OPERATION INSTRUCTIONS AND WARNINGS REGARDING THE USE OF THIS PRODUCT MAY RESULT IN SERIOUS PROPERTY DAMAGE OR BODILY INJURY.

IMPORTANT:

Any user or installer of desk base must study this manual carefully.
If this desk is sold, please provide the manual to the buyer.

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1. SAFETY AND WARNINGS

- Inappropriate use of this product may cause property or bodily injury.
- Check surroundings on all sides before using the desk. Body parts and property can be crushed if trapped between an immobile obstacle and the desk's range of motion.
- Ensure the length of power cords are accounted for when operating the desk. Monitors, computers, speakers, anything with a cord that is not long enough for the desk's range of motion could be pulled down or have its wires broken. Items pulled off the desk may cause other items to fall.
- Please provide this operation to any users, installers, or support personnel operating the product.

2. USAGE

This height adjustable desk has electric motors and is designed for use in dry work areas only. The desk height is adjustable so that it can be positioned at the most ergonomically suitable height. These desks are designed only for the purposes included in this manual. They should not be used in environments with high humidity or dampness. Any other use is at user's risk.

Do not move around, crawl or lie under the desk frame. Do not sit or stand on the desk frame.

Children should never use the desk unless they are supervised by adults.

Liability: Under no circumstances does the manufacturer accept warranty claims or liability claims for damages caused from improper use or handling of the desk frame other than that which is described in this operation manual.

3. SETUP AND INSTALLATION

Once the desk has been assembled, adjust the feet so that the desk is level and does not shift its position. After this, connect the desk to the 110v or 220v outlet and the desk is ready for use.

Check that no cables can get jammed.

Choose a placement for the desk that's a safe distance from window frames, radiators, furniture etc. so that people do not get stuck or trapped by the desk.

Do not place any objects that are taller than 50cm(20") underneath the desk.

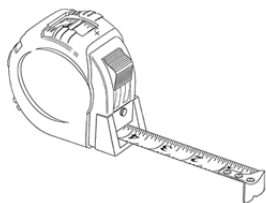
After it has been assembled, when moving the desk, DO NOT lift the desk by the desktop. Lifting this way can stress the fasteners connecting the desk base to the desktop. Lower the desk completely and lift the desk by grabbing the top of the desk base or by removing the desktop first.

4. PARTS LIST

Tools Required



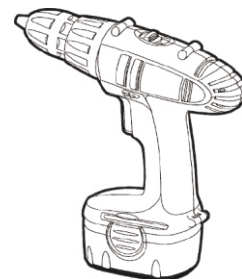
4mm
Allen Wrench (included)



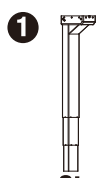
Tape Measure



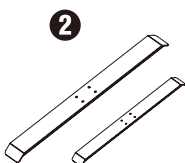
Philips Head Screwdriver, and/or Power Drill



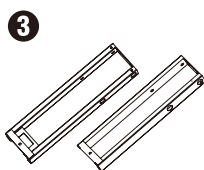
Components



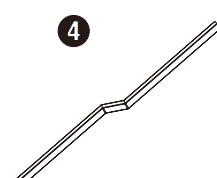
Qty 2
Legs



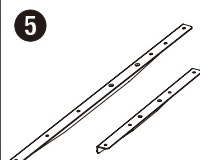
Qty 2
Feet



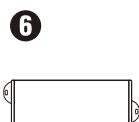
Qty 2
Crossbar End



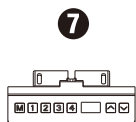
Qty 2
Crossbar Center Rails



Qty 2
Side Brackets



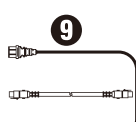
Qty 1
Control Box



Qty 1
Handset



Qty 5
Leveling Studs



Qty 2
Wires
Qty 1 Power Cord
Qty 1 Connecting
Cables

Hardware



Qty 20
M6X12
Machine
Screws



Qty 14
M5X18
Pan Head
Screws



Qty 5
Cable
Clips



Qty 4
M6X8
Flat Head
Screws



Qty 12
Washers

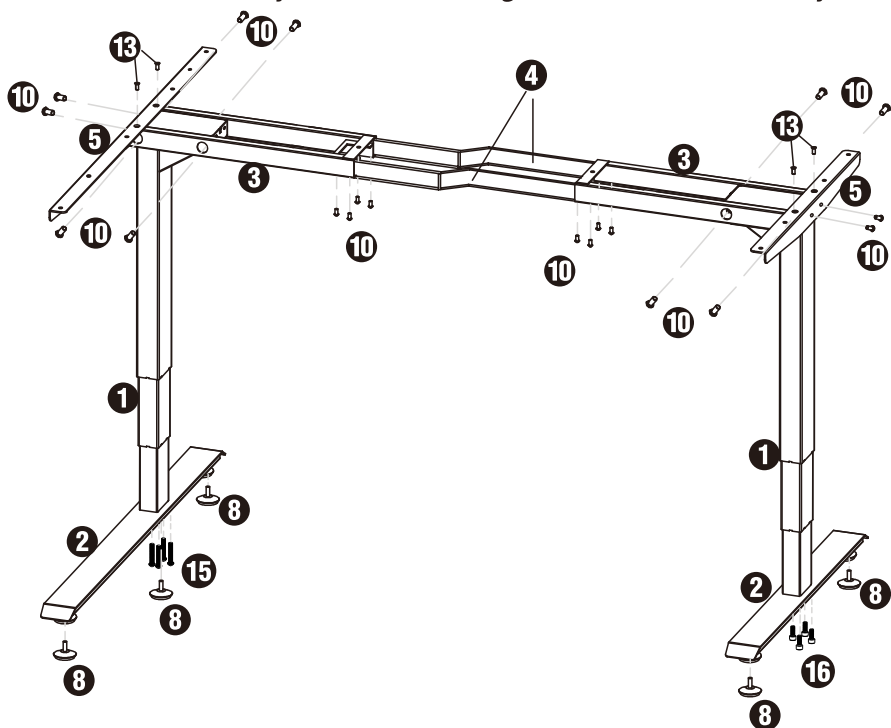


Qty 4
M6X35
Machine
Screws



Qty 4
M6X16
Machine
Screws

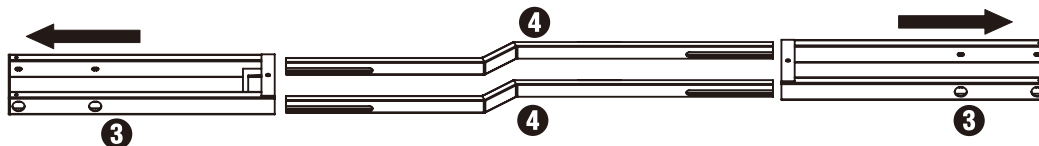
Please count all pieces before disposing of any carton or packing material. Use a padded or carpeted area for assembly to avoid damage. For ease and safety, we recommend two people for assembly.



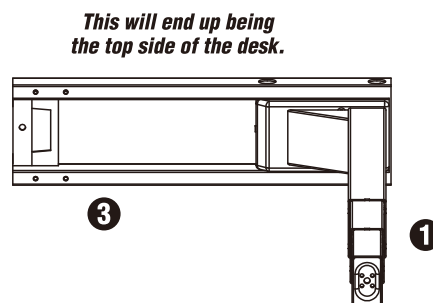
Part #	Description	Qty
1	Leg	2
2	Feet	2
3	Crossbar End	2
4	Crossbar Center Rail	2
5	Side Bracket	2
6	Control Box	1
7	Handset	1
8	Leveling Studs	5
9	Wires (Power & Connector wires)	2
10	M6X12 Machine Screws	20
11	M5X18 Pan Head Screws	14
12	Cable Clips	5
13	M6X8 Flat Head Screws	4
14	Washers	12
15	M6X35 Machine Screws	4
16	M6X16 Machine Screws	4

5. ASSEMBLY INSTRUCTIONS

A. First, Lay out all components and hardware to ensure that you have all the parts listed on the components list. Then Slide Crossbar Center Rails (Part #4) out of Crossbar Ends (Part #3).



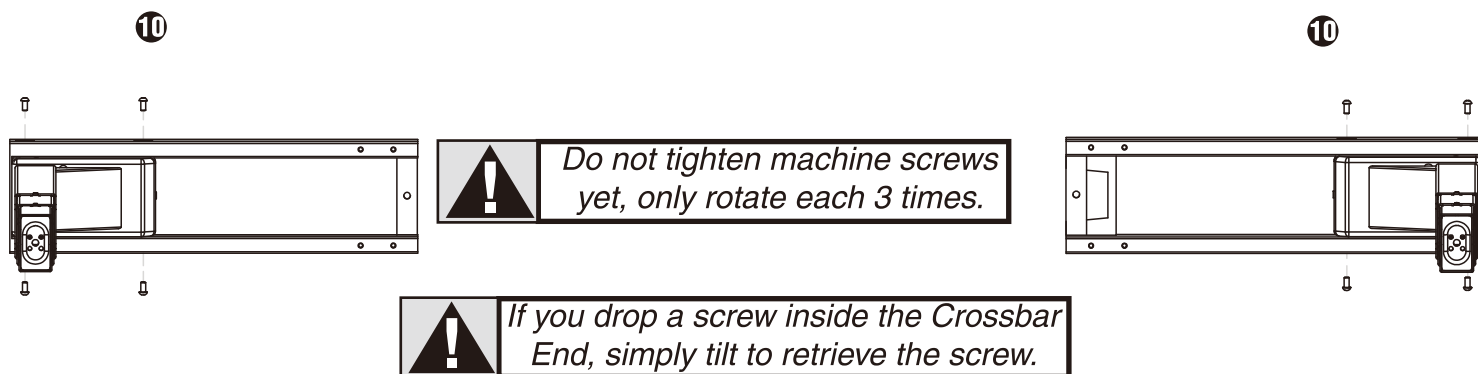
Turn Legs (Part #1) and Crossbar Ends (Part #3) on their sides.



Line up the holes on each Leg (Part #1) with the holes on each Crossbar End (Part #3).

B. **IMPORTANT! DO NOT TIGHTEN SCREWS IN THIS STEP, ONLY INSERT THEM AND ROTATE 3 TIMES. YOU WILL TIGHTEN IN STEP D.**

Insert qty 4 Machine Screws (Part #10) through the 4 holes of each Crossbar End (Part #3) going into the Leg (Part #1). Using the Allen Wrench, rotate each screw ONLY 3 times.



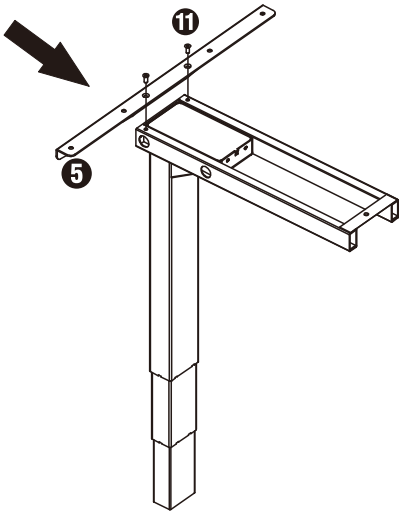
C. **IMPORTANT! DO NOT TIGHTEN SCREWS IN THIS STEP, ONLY INSERT THEM AND ROTATE 3 TIMES. YOU WILL TIGHTEN IN STEP D.**

Line up the 2 holes on the Side Brackets (Part #5) with the Crossbar End and Leg assembly from the previous step.

Insert qty 2 Machine Screws(part#11)through the 2 holes of the Side Bracket (Part #5) going into the Crossbar End/Leg Assembly. Using the Allen Wrench, rotate each screw ONLY 3 times.

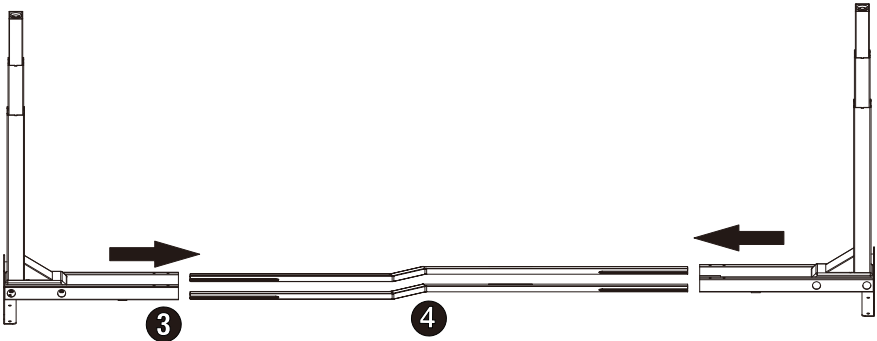


If you are having trouble getting all the screws started, it is because other screws are too tight. You'll need to back out some screws in order to loosen the tolerance of the screw holes.

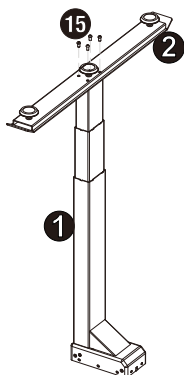


D. Once all of these screws have been started, you can now tighten the qty 4 Machine Screws (Part #10) from Step C and the qty 8 Machine Screws (Part #10) described in Step B (12 screws in total).

E. The Crossbar Center Rails (Part #4) are optional. They provide more stability but if not needed they can be skipped during installation or removed later. Slide Crossbar Center Rails (Part #4) back into Crossbar Ends (Part #3). Ensure the slots of the Crossbar Center Rails are facing inward.



F. Attach each Foot (Part #2) with qty 4 Machine Screws (Part #15) and tighten bolts in a cross pattern.



G. Your desktop may or may not be pre-drilled. Please check both sides of the desktop before placing the desk base on it for pre-drilling! Carefully place the upside down desk base on the underside of the desktop.

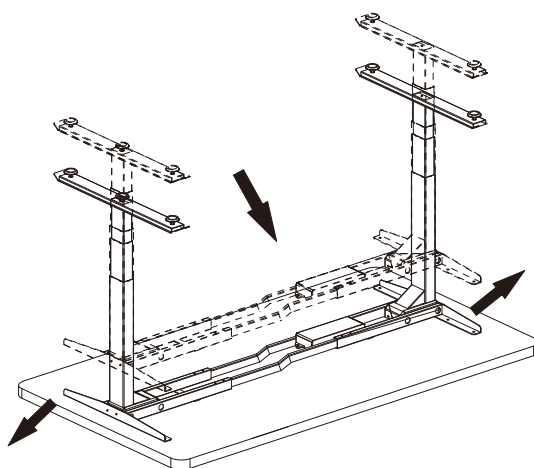
Note: minimum top size: 110cm(43")wide x 60cm(24")deep

Adjust the width of the base to fit the desktop by sliding the two halves outward. 101cm(40") to 174 cm(68.5") max.

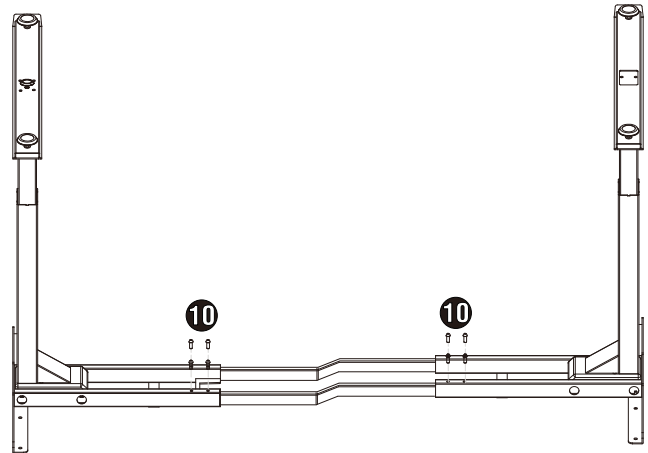
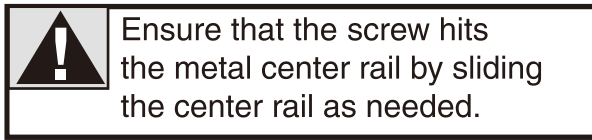
Place the base where you want it. Some will want the frame to be all the way to the edge of the desk. We recommend leaving at least 5cm(2") of desktop width (on each side) protruding beyond the frame width.



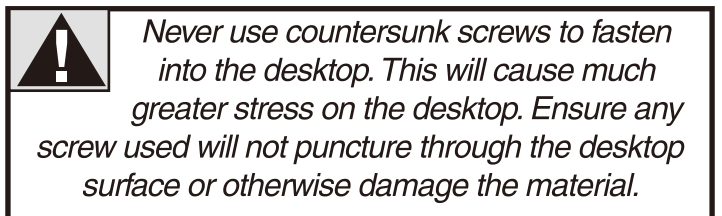
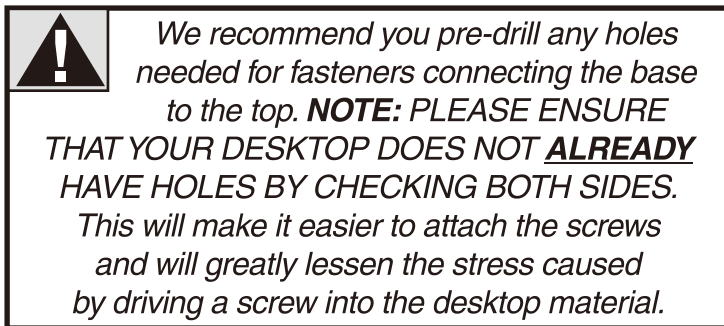
Center the frame by using the desktop edge as a reference. Measure to the metal brace. Do not use the screw holes as a point of reference.



H. Secure the Center Rails at both ends using qty 8 Machine Screws (Part#10), qty 4 per side.



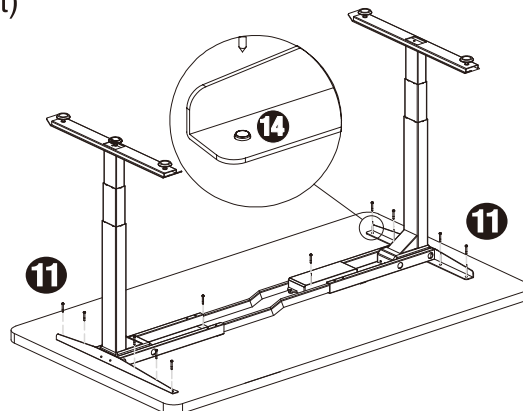
I. Double-check that the base is centered on the underside of the desktop and is located where you want it. Also, double-check that the included wood screws are not too long for your desktop and won't puncture the surface when screwed all the way in.



Now, proceed with securing the desk base to the desktop using qty 10 of the Pan Head Screws (Part #11).

Install as follows:

- 5 per Side Bracket (left)
- 4 per Side Bracket (right)
- 1 per Crossbar End (left)
- 1 per Crossbar End (right)

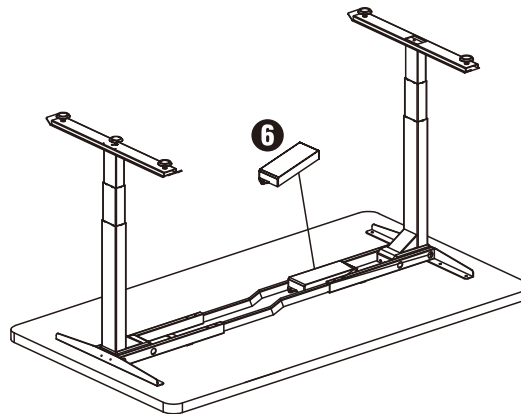


J. **IN THIS FOLLOWING STEP, DO NOT OVERTIGHTEN SCREWS. OVER TIGHTENING COULD CAUSE THE PLASTIC ON THE COMPONENTS TO BREAK.**

 We recommend you pre-drill any holes needed for fasteners connecting the Control Box to the top. This will make it easier to attach the screws and will greatly lessen the stress caused by driving a screw into the desktop material.

 Never use countersunk screws to fasten into the desktop. This will cause much greater stress on the desktop. Ensure any screw used will not puncture through the desktop surface or otherwise damage the material.

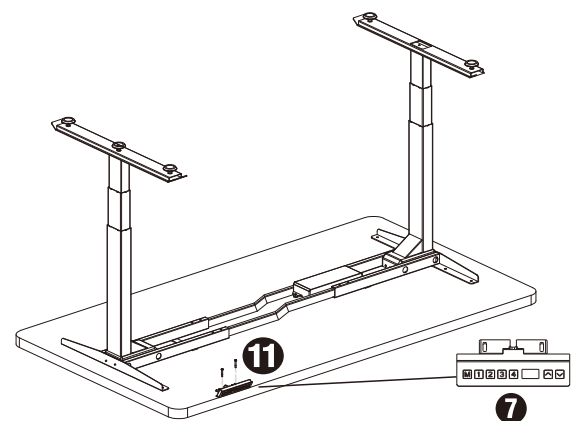
Connect and insert the control box (Part #6) to the crossbar end.



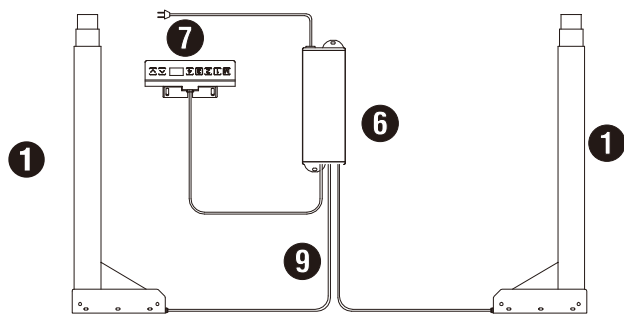
K. **IN THIS FOLLOWING STEP, DO NOT OVERTIGHTEN SCREWS. OVER TIGHTENING COULD CAUSE THE PLASTIC ON THE COMPONENTS TO BREAK.**

Place the Handset (Part #7) so the front of the Handset runs flush with the desktop edge. The Handset can be placed anywhere along the front edge of the desk, but we recommend placing it near the side so it doesn't interfere with your chair or legs when seated.

Use qty 2 of the Pan Head Screws (Part #11) to attach the Handset (Part #7) to the desktop.



L. Connect the Wires as per the diagram below. Use the adhesive-backed Cable Clips (Part #13) to secure the Connecting Wires, so they don't sag.



M. Turn the assembled desk right-side-up. With two people, grab the desk by the base (not the desktop) and turn the desk right-side up. Adjust the Leveling Studs on the Feet (Part #2) as needed.

MAKE SURE NO OBSTACLES ARE IN THE DESK'S PATH.
MAKE SURE ALL CORDS ARE OF A LENGTH THAT WILL
ACCOMMODATE THE CHANGE IN HEIGHT.

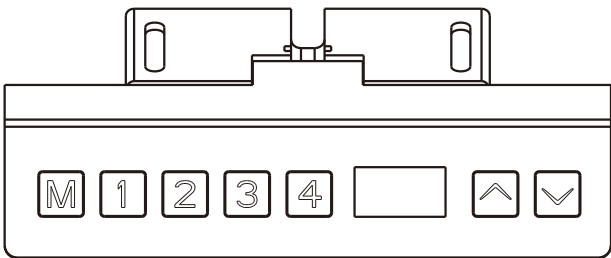
N. Plug the Power Cord into a 110v or 220v outlet.

IMPORTANT!

You must RESET the desk prior to use:

Press and hold the DOWN button on the Handset (Part #7) until the desk reaches its lowest height. Release the DOWN button. Press and hold the DOWN button again for about 10 seconds until the desk lowers a little bit more, slightly rises and stops. Release the DOWN button.

Your desk is now ready to use.



7

6. TECHNICAL SPECIFICATIONS

Height Range	60cm(23.6") – 125cm (49.2")
Base Width	101cm (40") min – 180cm (71") max
Travel Speed	30mm (1.2") per second
Weight Capacity	100kg (220 lbs).
Duty Cycle	10%, Max. 2 mins on, 18 mins off
	4 Memory presets Soft Start/Stop Adjustable leveling studs

7. FEATURES AND QUICK GUIDES

-- PROGRAMMING THE PRESETS --

To program the presets, follow the steps below.

1. Move the desk to desired preset height.
2. Press the “M” key once.
3. Press a number, 1-4 to set the current height as that preset.
4. Repeat these steps to overwrite a preset.

-- SETTING UPPER AND LOWER LIMITS --

To set an upper or lower limit for the desk, follow the steps below.

1. Move desk to desired upper or lower limit.
2. If setting the upper limit, press and hold the “M” and the “Up” buttons for 5 seconds until you hear a beep. If setting the lower limit, press and hold the “M” and the “Down” buttons for 5 seconds until you hear a beep.
3. The limit is now set.

To cancel set limits, follow the steps below.

1. Move the desk to the set upper or lower limit.
2. If cancelling the upper limit, press and hold the “M” and the “Up” buttons for 5 seconds until you hear a beep. If cancelling the lower limit, press and hold the “M” and the “Down” buttons for 5 seconds until you hear a beep.
3. The limit is now cancelled.

-- LOCKING THE DESK HEIGHT --

To lock the desk height, follow the steps below.

1. Move desk to desired height.
2. Press and hold the “Up” and the “Down” buttons for 5 seconds until the screen displays, “LOC”
3. The desk is now locked.

To unlock the desk height, follow the steps below.

1. Press and hold the “Up” and “Down” buttons for 5 seconds until the current height of the desk is displayed on the screen.
2. The desk is now unlocked.

8. TROUBLESHOOTING

-- RESET INSTRUCTIONS --

If experiencing error messages on the controller, or if the controller is unresponsive:

Unplug the power cord, wait a few seconds and plug it back in. Reset the unit by holding the “Down” button for about 10 seconds. The desk will reach its lowest height, lower slightly more, then rise slightly, and beep. The reset is now complete.

– ERROR CODES –

Below is a table of possible error codes and solutions.

ERROR CODE	SOLUTION
E1	Voltage is too high on the main power supply. Check power source.
E2	Height difference between legs is over the limit. Reset the desk, following the instructions above.
E3	Switch is not connected. Check connections.
E4	Switch communication error. Check connections.
E5	Desk has encountered sudden force or has made an impact with something. Check for collisions and try again.
E6	Power supply failure. Check connections. If that fails to solve the issue, the controller must be replaced.
E7	Main power error. Unplug the power cord and plug it back in again.
E8	Desk is unlevel. Reset the desk, following the instructions above.
E9 or HOT	The motors have overheated. Wait 20 minutes for the motors to cool.
E11 or E21	Motor is not connected. Check connections.
E12 or E22	Motor communication error. Replace controller.
E13 or E23	Phase line communication error. Check connections.
E14 or E24	Signal error. Check connections or replace connection cords.
E15 or E25	Motor short circuit. Replace motor.
E16 or E26	Motor blocked. Reset the desk, following the instructions above.
E17 or E27	Connections are incorrect. Check connections.
E18 or E28	Motors are overloaded. Reduce the load.
E40	Connection error. Check connections.
E41	Signal error. Check connections or replace controller.
E42	Controller error. Replace controller.
E43	Gyro-sensor error. Replace controller.

