

MOTIONGREY

Assembly Instruction

Ergo2 XL Series Standing Desk Right L Shape (63" X 24")



Scan to access the step-by-step installation instructions and video.

SCREW ACCESSORIES

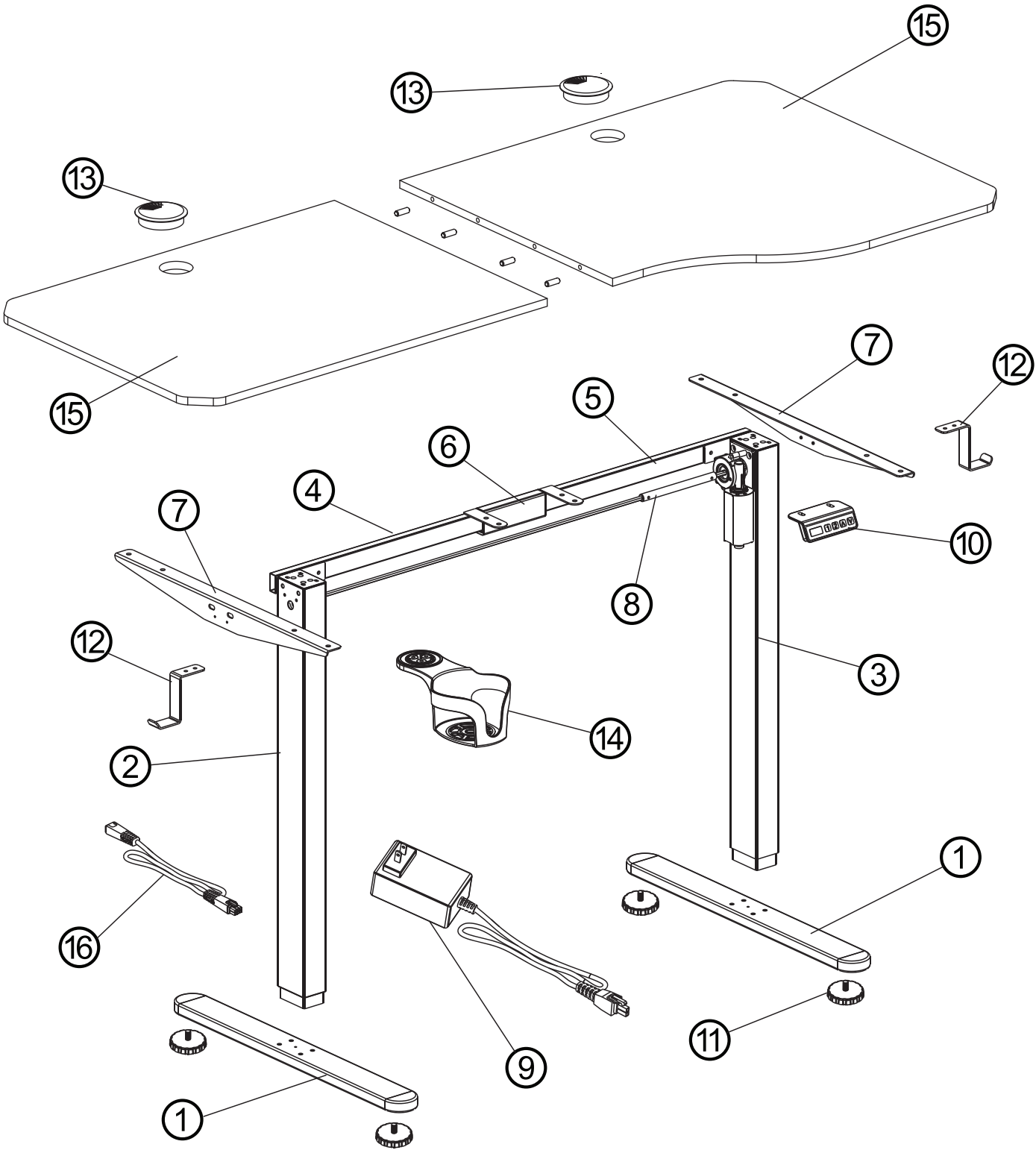
A M6x10 x12	B M6x32 x8	C ST4.2x16 x14	D Allen Key x1	E Rubber Gasket x12
F Wooden Pin x4	G M4x4 x2	H ST4x14 x11	I Fixing Plate x2	

Note: 1 extra screw of each type is included in case any are lost or damaged during assembly.

PARTS ACCESSORIES

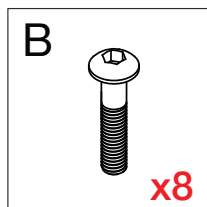
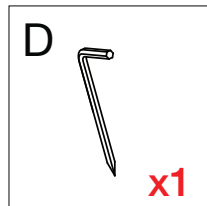
1 Bottom Feet x2	2 Left Leg x1	3 Right Leg x1	4 Left Rail x1	5 Right Rail x1
6 Splicing Tube x1	7 Side Bracket x2	8 Rotating Bar x1	9 Power Supply x1	10 Control Box x1
11 Feet Leveler x4	12 Hooks x2	13 Cable Organizer x2	14 Cup Holder x1	15 Table Top x1
16 Extension Cord x1				

Installation Diagram

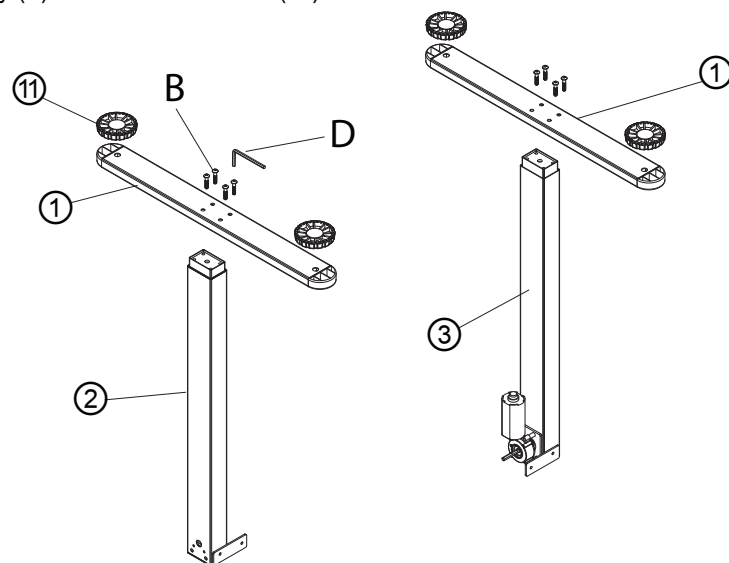


STEP 1

Install Bottom Feet

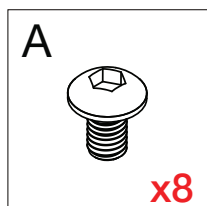
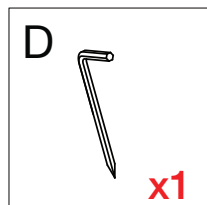


Connect bottom feet (1) to the left and right legs (2) and (3) using screws (B). Tighten using Allen key (D). Install foot levelers (11).

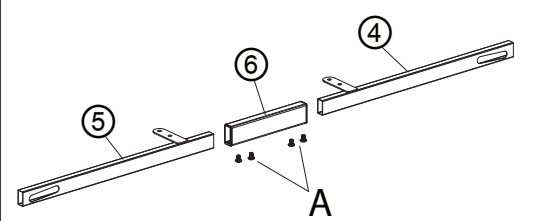


STEP 2

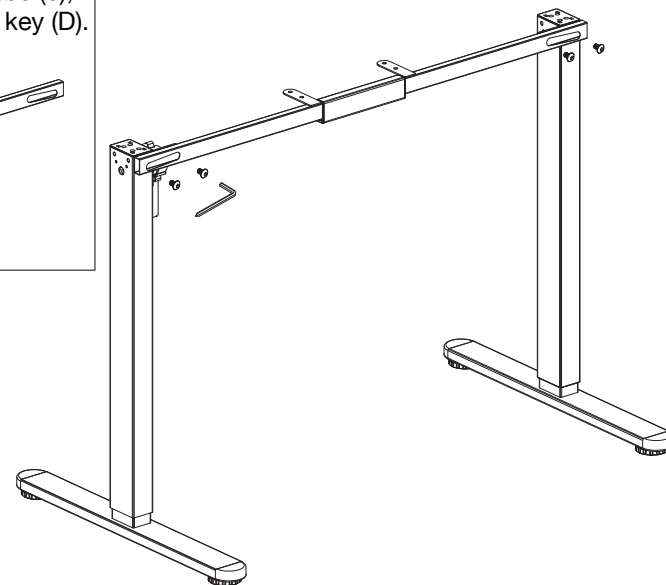
Install the Center Rail



Connect rails (4) and (5) with splicing tube (6), then tighten using screws (A) and Allen key (D).

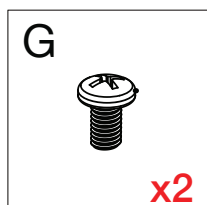
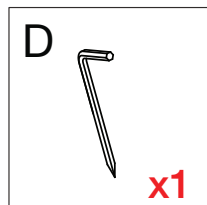


Secure the assembled rail to legs (2) and (3) with screws (A), then tighten using Allen key (D).

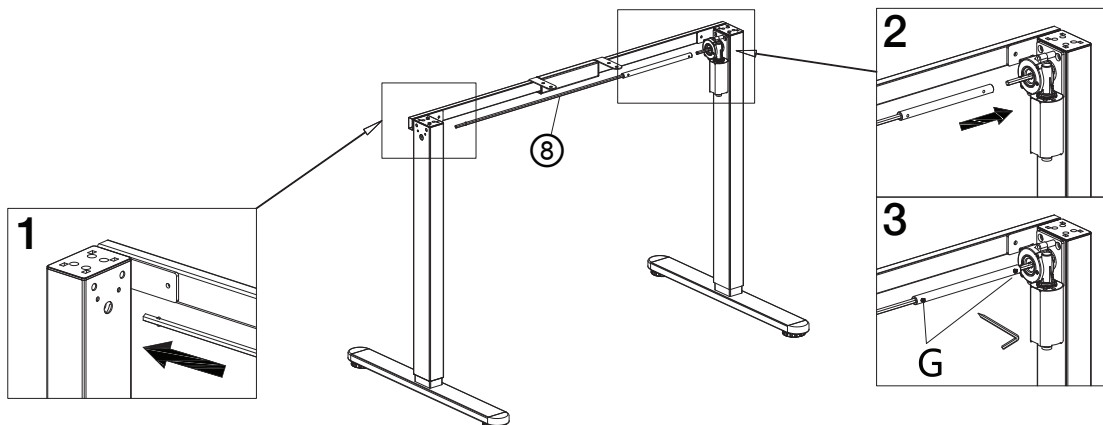


STEP 3

Install Rotating Bar

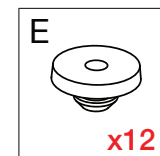
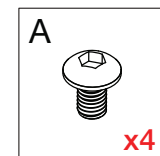
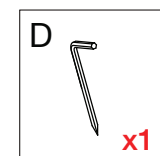


Connect rotating bar (8) to the left and right pillars (2) and (3) as shown. Align the holes on the transmission rod, then secure using screws (G) and tighten with Allen key (D).

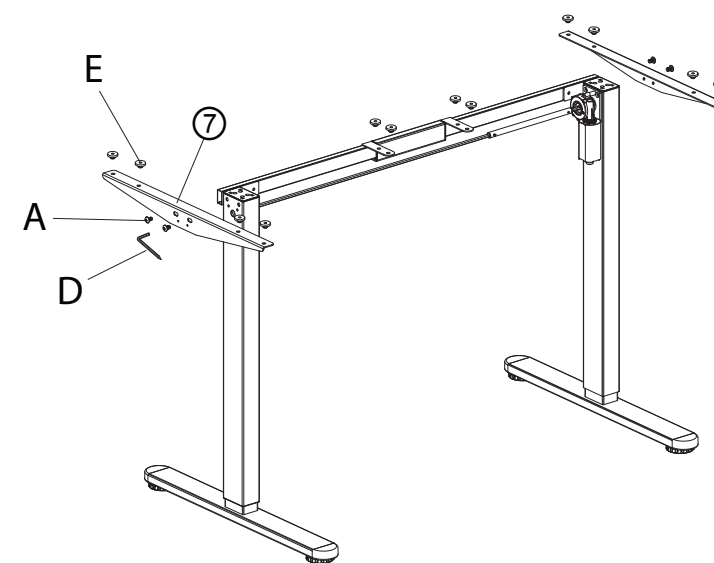


STEP 4

Install Side Brackets

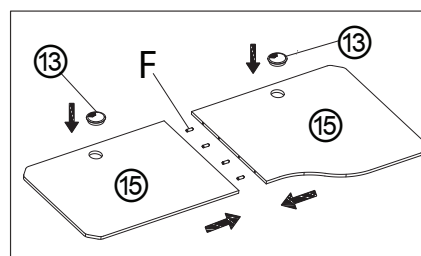
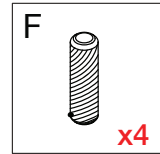
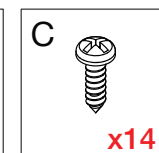
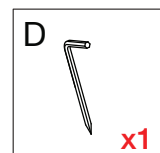


Fasten rubber gaskets (E) onto side brackets (7). Connect the side brackets to the left and right columns (2) and (3) using screws (A), then tighten with Allen key (D).

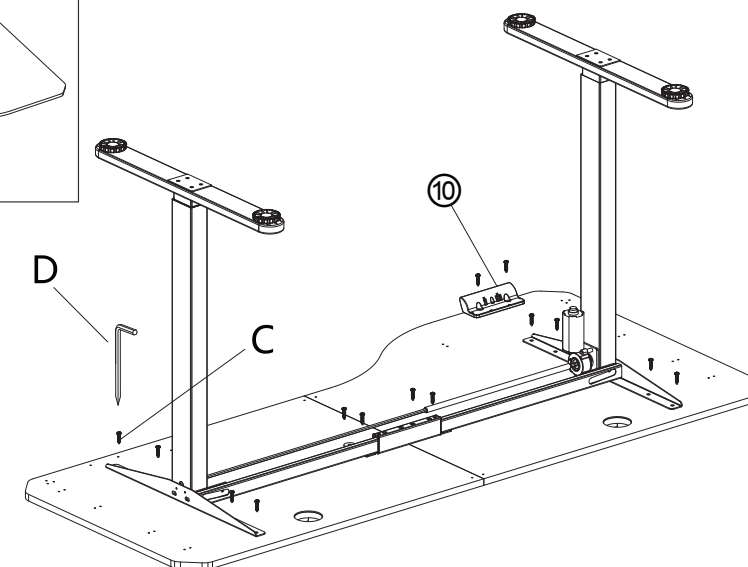


STEP 5

Install Tabletop and Control Box

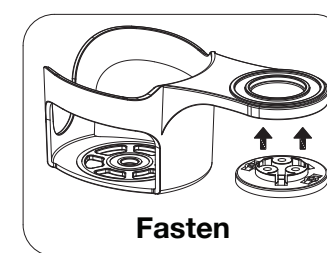
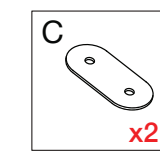
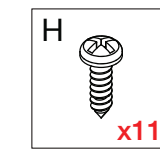
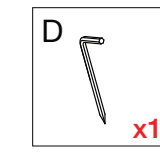


Fix the entire table frame and control box (10) to the tabletop using screws (C).

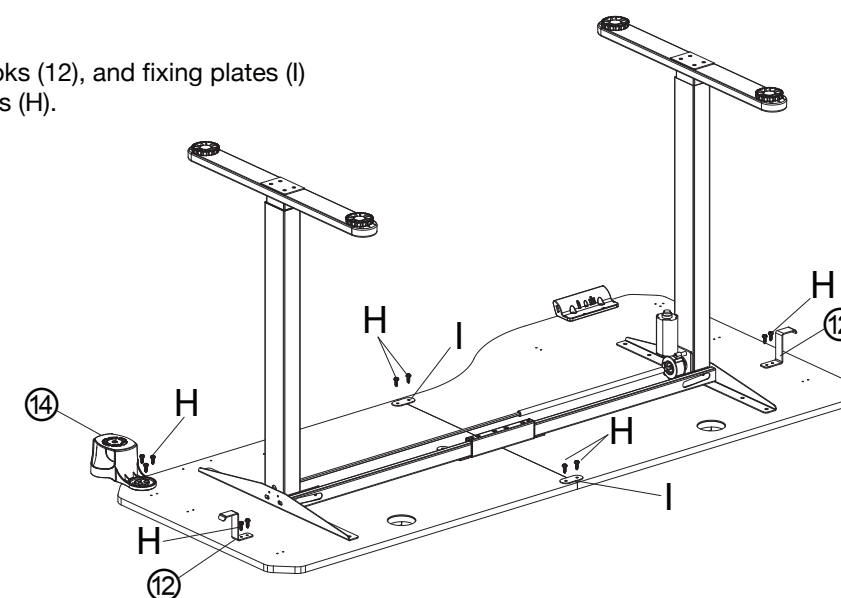


STEP 6

Install Accessories



Install the cup holder (14), hooks (12), and fixing plates (I) onto the tabletop using screws (H).



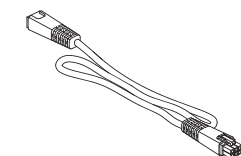
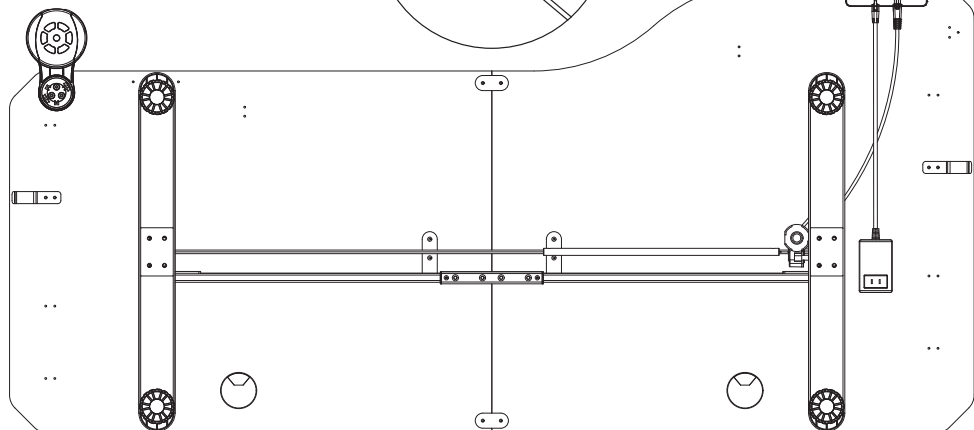
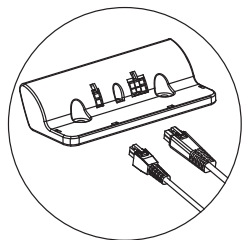
STEP 7

Connect the Cables

Connect the motor cables and power supply (9) to the control box as shown.



Warning: Plug in power only after all wiring is completed.



If the control box is too far and the motor wire is short, use the extension cord (16).

Common Abnormal Handling

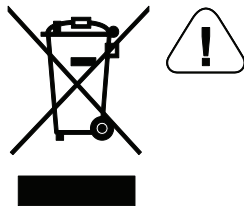
These tips help fix common errors. For issues not listed, contact your supplier.
Some cases may need manufacturer inspection.

Abnormal Phenomena	Solutions
No response after turning on power and holding the down key	- Check if the connection wire is normal. - Contact your supplier or dealer.
No response after turning on power and holding the up/down key	- Check if the connection wire is normal. - Contact your supplier or dealer.
Slow lifting speed	- Check if the load is too heavy (over 50 kg). - Contact your supplier or dealer.
Moves down but not up	- Reset/initialize. - Contact your supplier or dealer.
Desk lowers by itself	- Check if the load is too heavy (over 50 kg). - Contact your supplier or dealer.
Device frequently enters reset mode	- Check if the load is too heavy (over 50 kg). - Contact your supplier or dealer.
Stops after overload (Duty cycle: Max 2 min ON / 18 min OFF)	- Wait 18 minutes before reuse. - Contact your supplier or dealer.
Desk height is insufficient	- Perform reset operation. - Contact your supplier or dealer.



Attention

- Power supply: AC100–240 V, 50/60 Hz.
- Use in environments between 0–40 °C.
- Before cleaning, unplug the desk. Wipe dust with a slightly damp cloth. Do not allow liquid into parts, damage wires, or loosen connections.
- The controller contains electronics and mixed materials. Dispose according to local regulations.
- Before using, check that the product is installed correctly.
- For first-time use, learn all functions and settings.
- Children must not play on the desk. The manufacturer is not responsible for accidents caused by misuse.



Waste Disposal

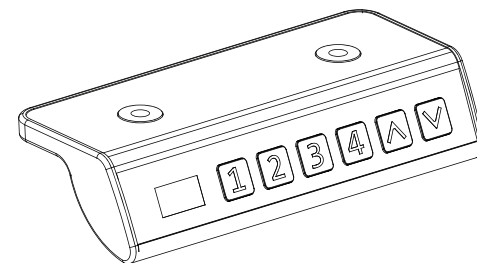
This sign indicates that the product should not be treated as household waste. To prevent potential harm to the environment and human health caused by improper disposal, it should be recycled to promote the sustainable reuse of material resources. When returning the equipment, please use a recycling and collection system or contact the retailer where it was purchased. They can ensure safe and environmentally responsible recycling.

- Minor noise from belts or brakes is normal and does not affect use.
- Do not use corrosive or abrasive cleaners. Use mild detergent that will not harm the environment.
- Children aged 8+ or people with physical/sensory limitations should only use under supervision. Do not allow children to play with the desk.
- Do not clean or maintain the desk without supervision.
- If the power cord is damaged, replace it with one from the manufacturer or a professional technician.
- Keep the operating environment safe — avoid wet areas or unstable placement. Keep packing materials away from children to prevent suffocation or choking hazards.
- Keep original packaging for future transport.

Controller Box Instructions

Key Descriptions

- Memory Key 1: Press and hold for 5 seconds to save height position 1.
- Memory Key 2: Press and hold for 5 seconds to save height position 2.
- Memory Key 3: Press and hold for 5 seconds to save height position 3.
- Memory Key 4: Press and hold for 5 seconds to save height position 4.
(Long press for 10 seconds to enter the menu)
- Up Key (Option Switch Key): ▲ Move the desk upwards.
- Down Key (Option Switch Key): ▼ Move the desk downwards.



Operation Instructions

1. Initialization (Reset)

If the system encounters an issue or the hand controller displays "Rst", the desk needs to be initialized.

To initialize:

- Press and hold the "▼" button until the motor stops, then release the button.
- Press and hold the "▼" button again for 5 seconds to automatically enter initialization mode.
- Do not release the "▼" button. If released, the system will stop the initialization process.
- Once initialized, the display will show the current height.

2. Up/Down Button Operation

- Press the "▲" button to move the desk up until it reaches the highest point.
- Press the "▼" button to move the desk down until it reaches the lowest point.
- Briefly press "▲" or "▼" to move the desk a small distance, for precise adjustments.

3. Position Storage and Memory Height Recall

The hand controller can store 4 memory positions.

- To store a position:** When the desk reaches the desired position, press and hold one of the memory buttons ("1 - 4") for 5 seconds. The display will flash, confirming that the position has been saved.
- To recall a saved position:** Press the corresponding memory button, and the desk will automatically move to the stored position.

During movement, any button can stop the system.

4. Height Limit Setting

To set the current height as a limit, press and hold both "▲" and "▼" for 5 seconds. The display will flash, confirming the limit is set.

- If the desk is in the upper half of the range, it sets the upper limit.
- If the desk is in the lower half of the range, it sets the lower limit.

To cancel the limit:

- Method 1: Reset the system to cancel the limit.
- Method 2: Move the desk to the limited position, then press and hold "▼" and "▲" for 5 seconds.

The display will flash, confirming the limit is removed.

5. Locking and Unlocking

- Lock:** Press and hold "4" + "▲" for 5 seconds. The display will show "Loc", indicating the system is locked.
- Unlock:** Press and hold "4" + "▼" for 5 seconds. The display will return to the normal height, indicating the system is unlocked.

6. Restore Factory Settings

- To reset to factory settings, press and hold "▲" and "▼" for 10 seconds. The display will show "Rst", and the system will initialize with factory settings.

7. Internal Parameter Setting

- Press and hold the "4" button for 10 seconds to enter the settings mode. The display will show "S-x", where "x" flashes, indicating the parameter group.
- Press "4" to enter the parameter group, and use "▲" or "▼" to switch between groups.
- After setting the parameters, press "4" to return to the main screen.

S-1	0: Metric display 1: Imperial display
S-2	Sensor obstruction stop sensitivity (Not applicable for this controller) 0: Off 8: Most sensitive 1: Least sensitive
S-3	Upward current obstruction stop sensitivity 0: Off 8: Most sensitive 1: Least sensitive
S-4	Upward current obstruction stop sensitivity 0: Off 8: Most sensitive 1: Least sensitive
S-5	Installation distance (in cm)
S-6	Memory position button operation (Not applicable for this controller) 0: Press to store, release to stop 1: Press to store, auto-run to stored position, any key stops
S-7	2-minute/18-minute work cycle 0: Off, temperature protection control only 1: On, 2 minutes work, 18 minutes rest
S-8	Desk tilt sensitivity (to prevent uneven leg heights) (Not applicable for this controller) 0: Off 1-8: Tilt angle from 0.5° to 4°

8. Error Codes

Code No.	Reason	Solution
E01	Main power voltage too high	Check the main power supply.
E02	Height deviation between lead screws exceeds 1 cm	Re-initialize.
E04	Hand controller connection or communication error	Check the hand controller cable.
E05	Obstruction stop error	Release the button and try running again.
E06	Main power start failed, below 20 V	Replace the main power supply or check the connection cable.
E07	Main power protection activated during operation, below 20 V	Power off and on again.
E08	Desk tilt during operation	Re-initialize.
HOT	Power temperature too high or running for more than 2 minutes within 18 minutes	Wait for the power temperature to lower, or let the system rest for 18 minutes before restarting.

E12	Motor 1 current sampling error	Replace the control board.
E13	Motor 1 phase loss, one phase wire disconnected	Check the motor phase connections.
E14	Motor 1 Hall error or Hall wire disconnected	Check Hall signals or replace the connection cable.
E15	Motor 1 internal short circuit	Replace the motor.
E16	Motor 1 locked	Re-initialize.
E17	Motor 1 rotation direction error	Swap motor wires or Hall wires.
E18	Motor 1 overload	Reduce the load.
E42	Memory error	Replace the controller.
E43	Obstruction stop sensor error	Replace the controller.