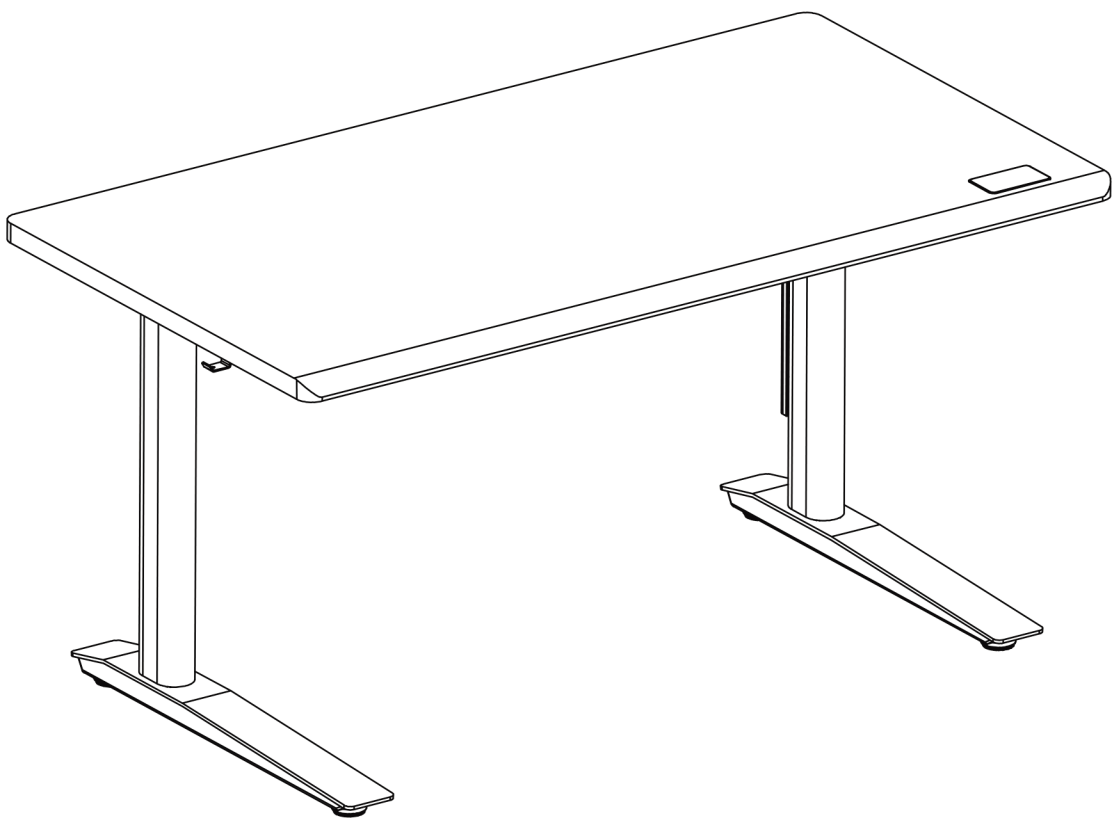


Autonomous

Autonomous Desk Pro

Assembly Guide



Assembly Time

30-45 min

Number of People

1-2



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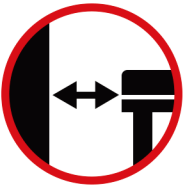
READ AND FOLLOW ASSEMBLY INSTRUCTIONS CAREFULLY BEFORE USE.



Keep kids and pets away during use.



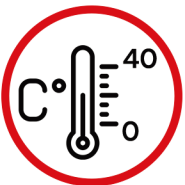
Unplug during storms or long unused periods.



Keep desktop away from walls for ventilation.



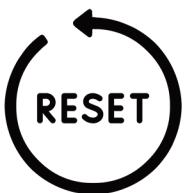
Keep the under-desk area (20"+) obstacle-free during use.



Keep the desk in 0-40°C, away from dust and corrosives.



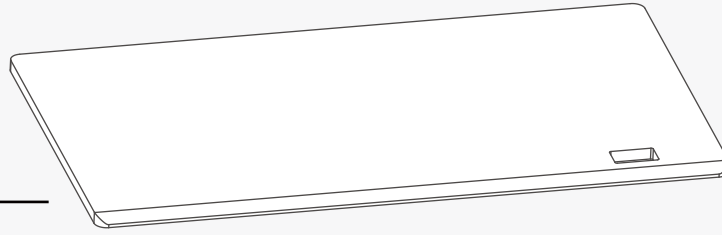
Do not disassemble without permission.



Manually reset after first use or power outage.

INCLUDED PARTS

Desktop



Power Cord



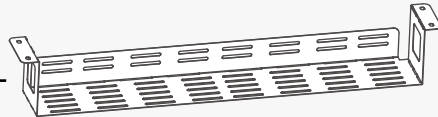
Keypad



Control Box



Cable Tray

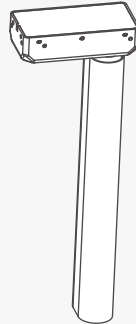


Power Outlet



Columns

x2



Extension Cord



x2

Hooks

x2

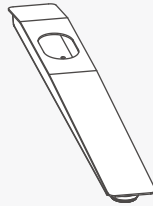
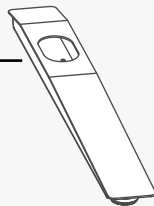


Upper Tube

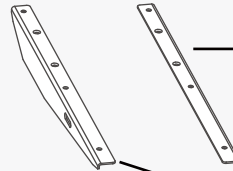


Feet

x2



Left Side Panel



Right Side Panel

Center Rails

x2



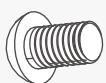
Right Frame



Left Frame

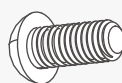


A M6*10 Screws



x16

B M6*14 Screws



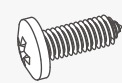
x18

C M6*12 Screws



x4

D ST5*16 Screws



x6

E M4 Wrench



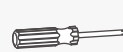
x1

F Zip Ties



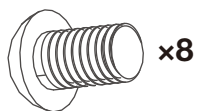
x10

G Screwdriver

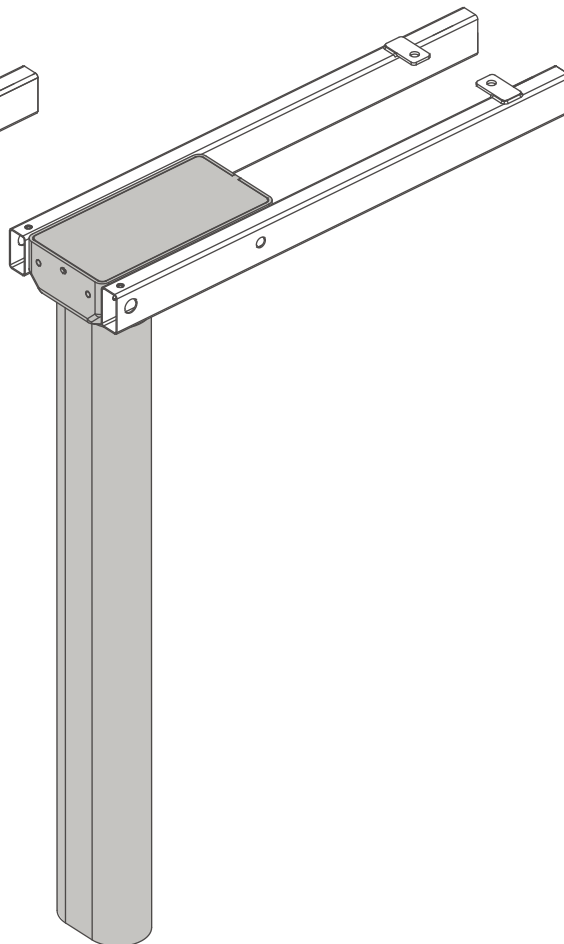
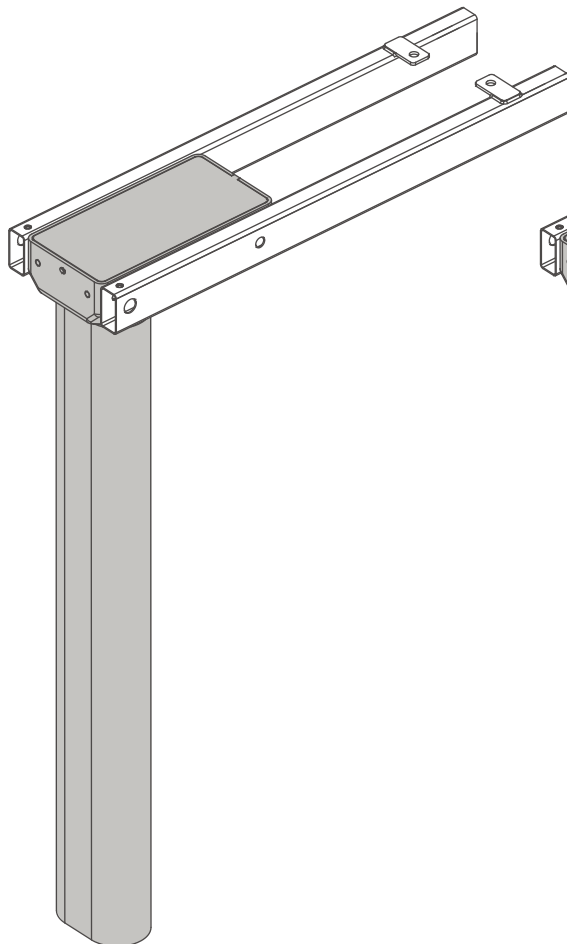


x1

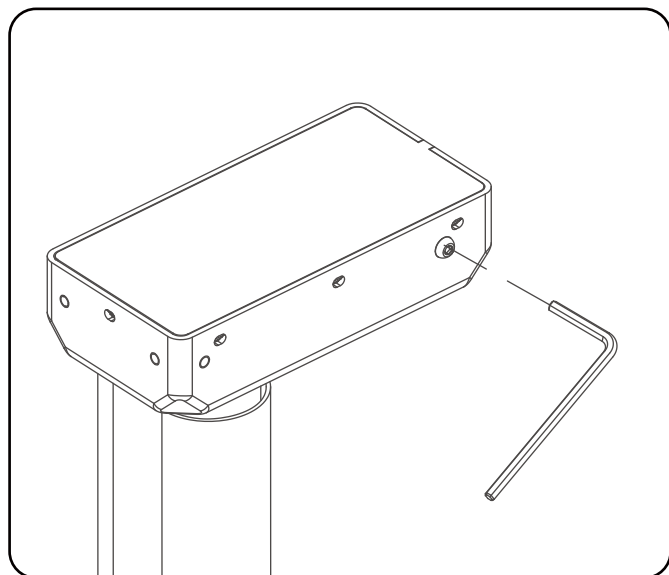
A M6*10 Screws



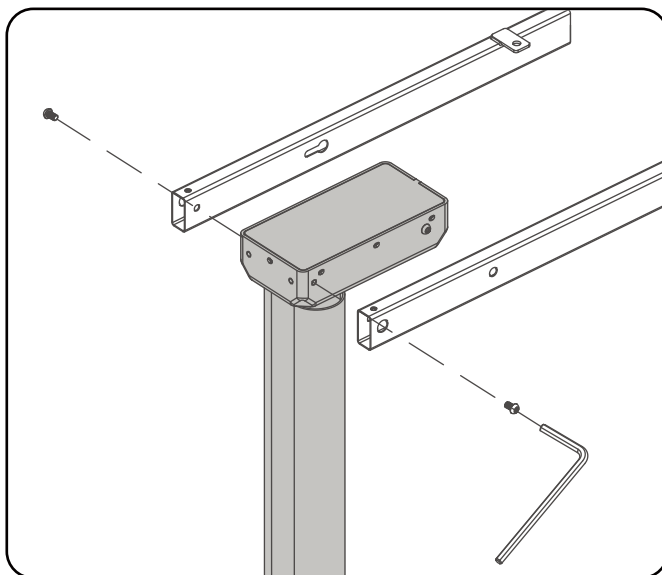
E M4 Wrench



1. Use an M4 wrench (E) to preassemble the 6*10 screw(A) to the **Bottom box** of the **Column** (8)(do not fully tighten)

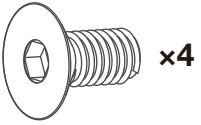


2. Hang the **left and right frames** onto the screw position and lock them tightly using an M6 * 10 screw.

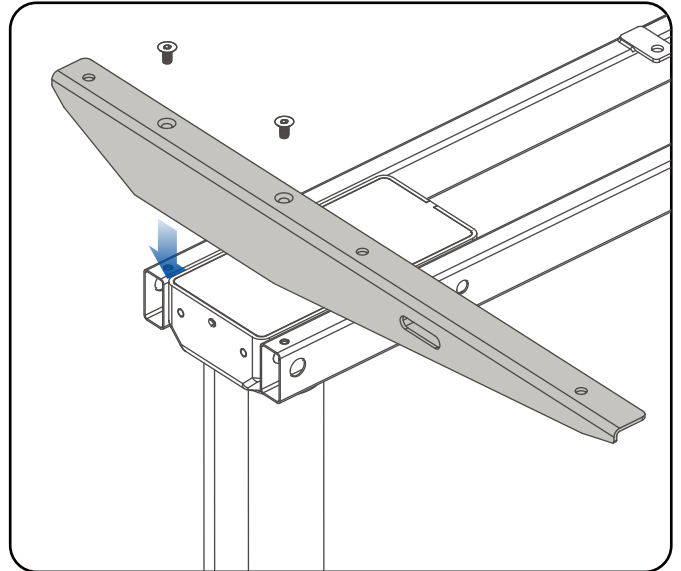
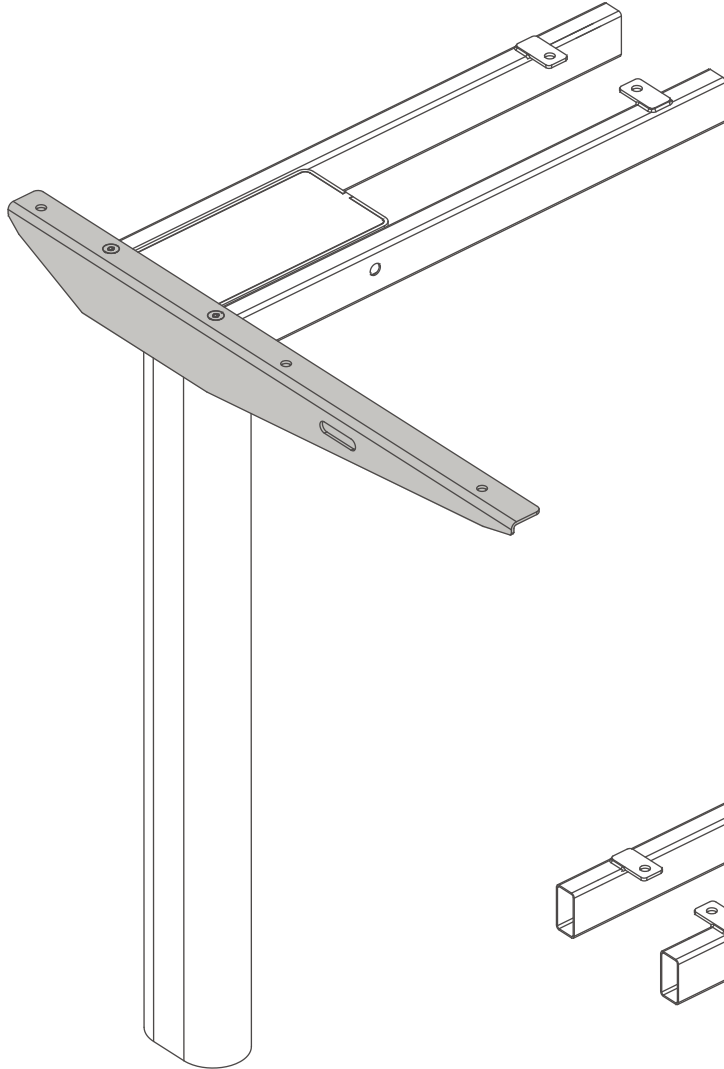


SIDE BRACKET ASSEMBLY

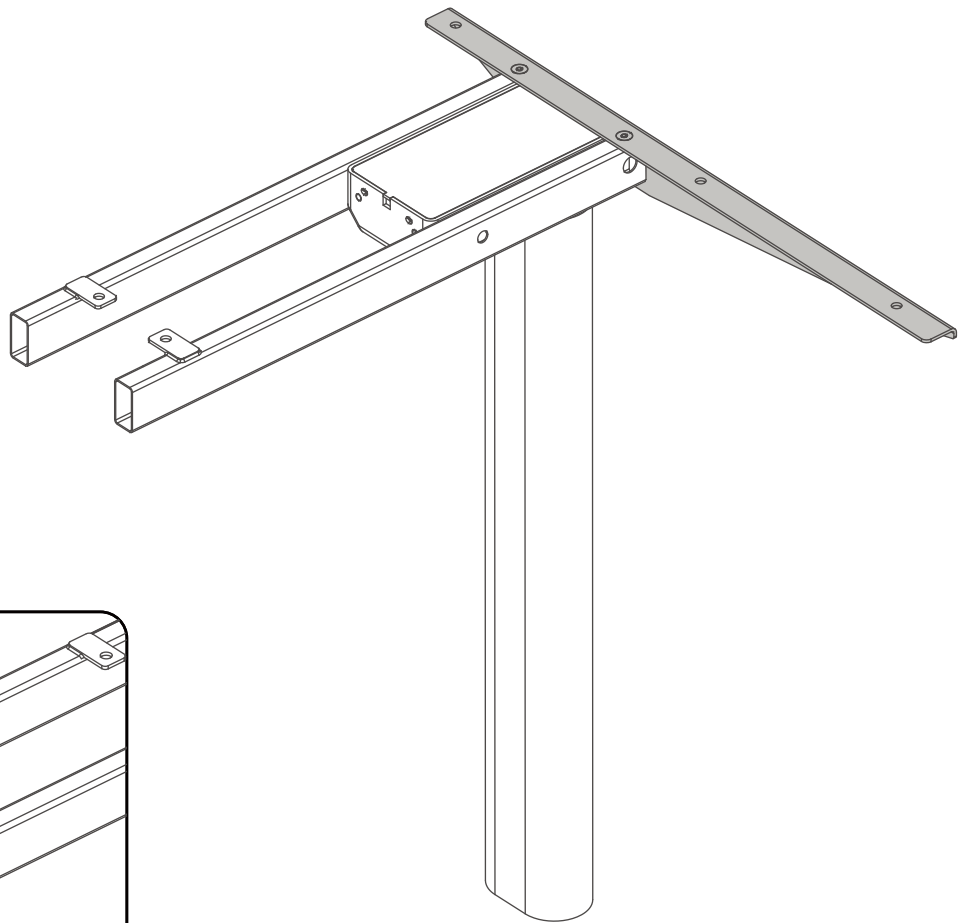
C M6*12 Screws



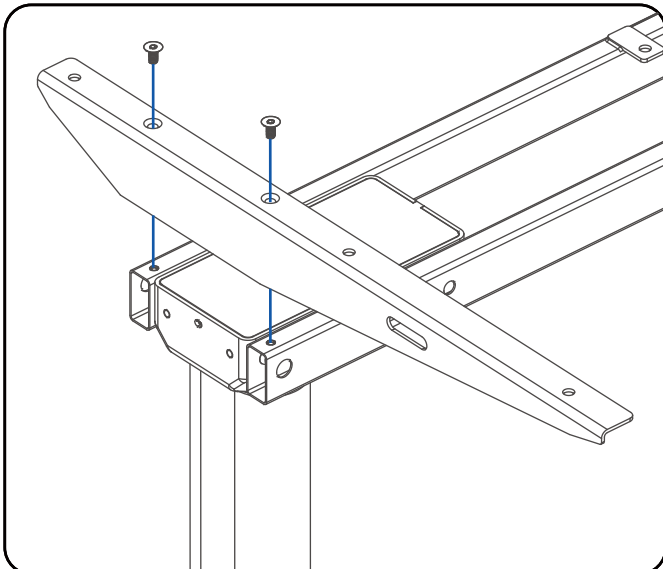
E M4 Wrench



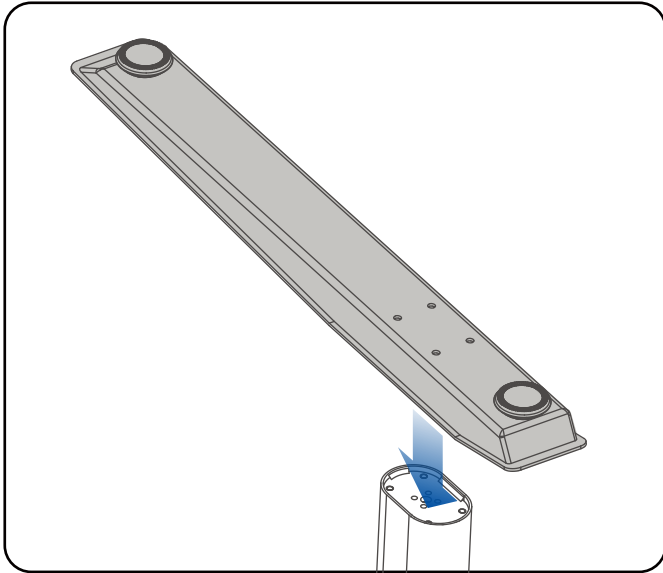
1. Attcah **Side Brackets** to the **Frame**



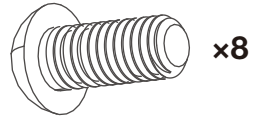
2. Insert 2 screws **C**



FOOT ASSEMBLY



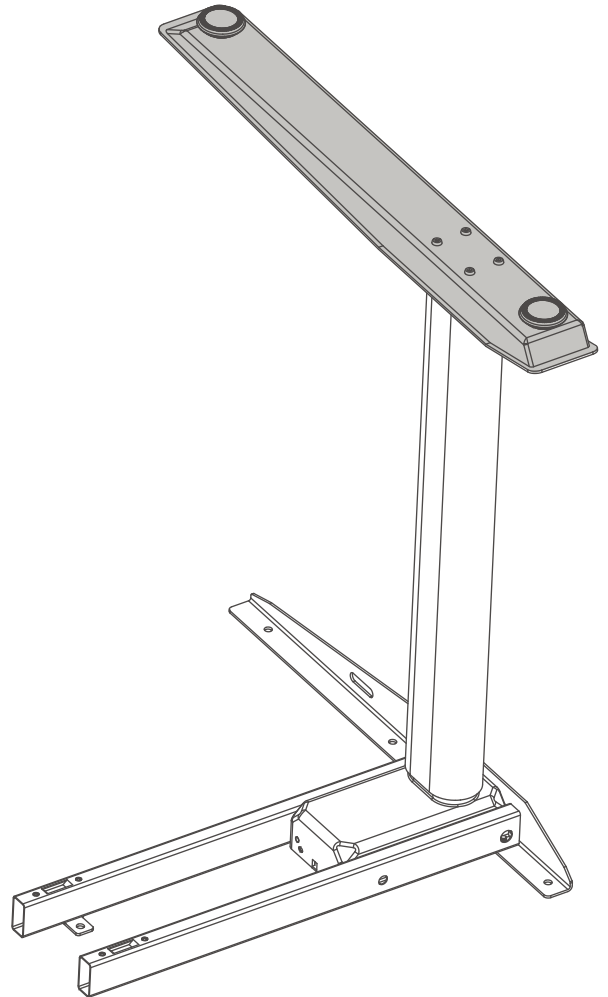
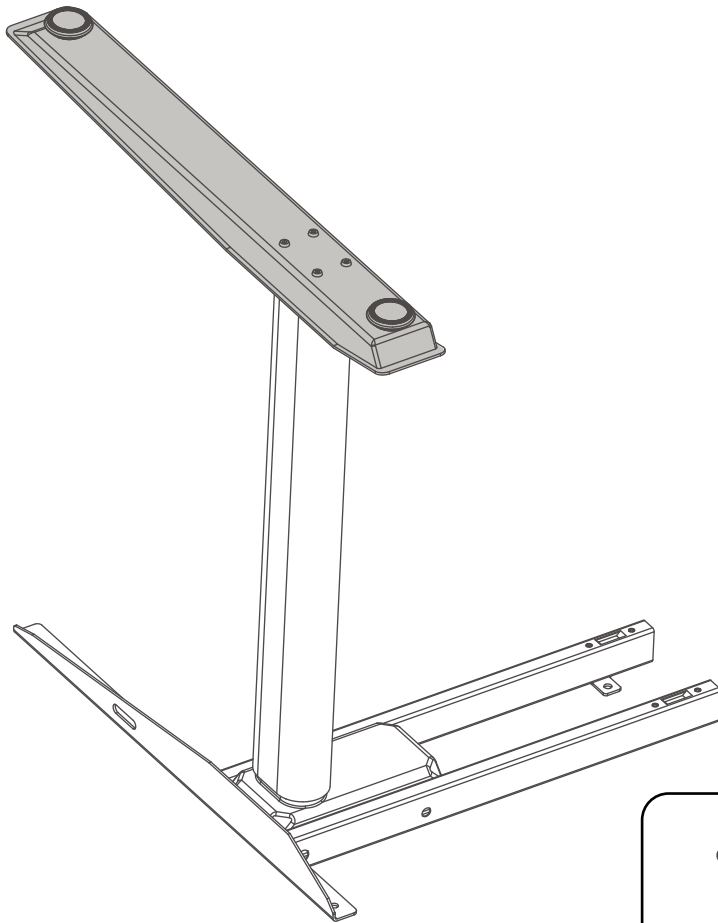
B M6*14 Screws



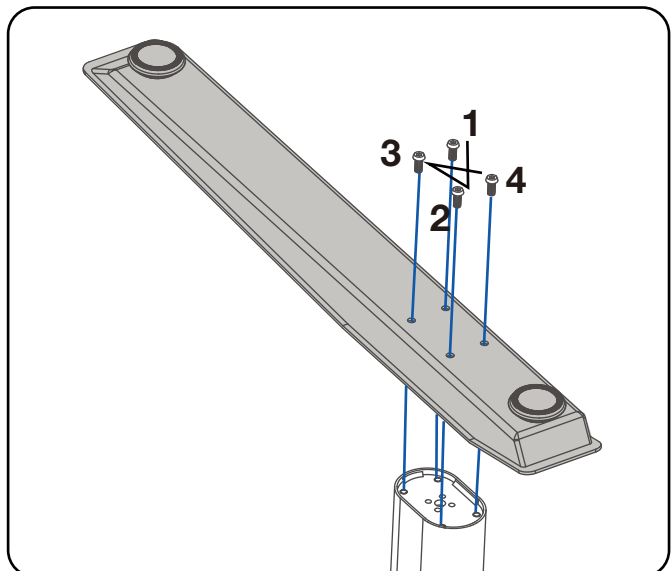
E M4 Wrench



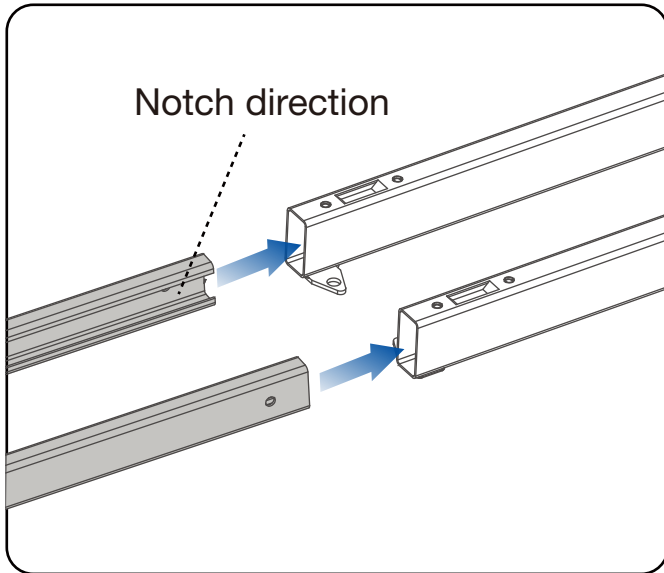
1. Attcah Feet to Columns



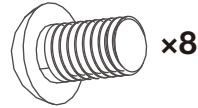
2. Insert 4 screws **B**



CENTER RAIL ASSEMBLY



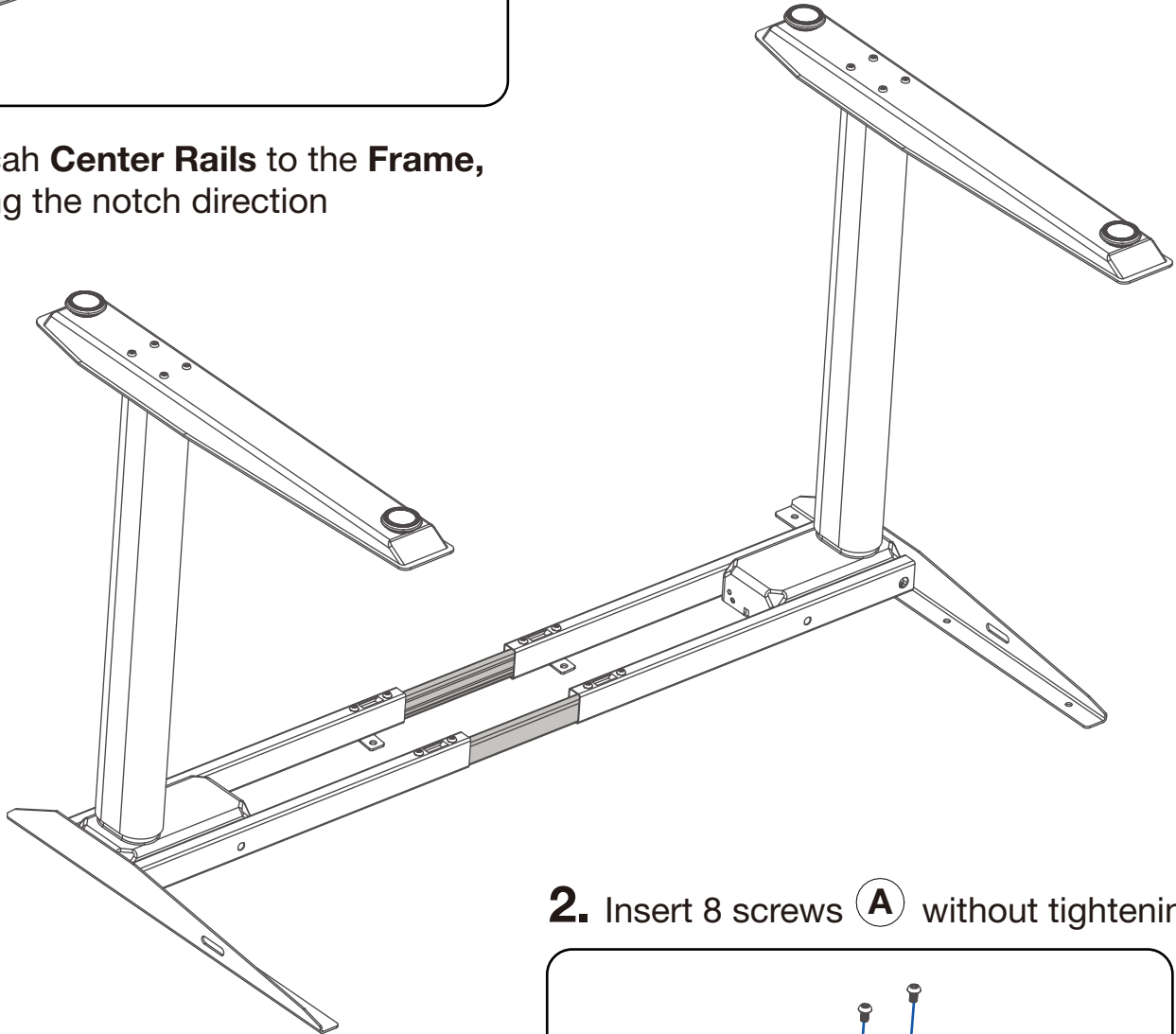
A M6*10 Screws



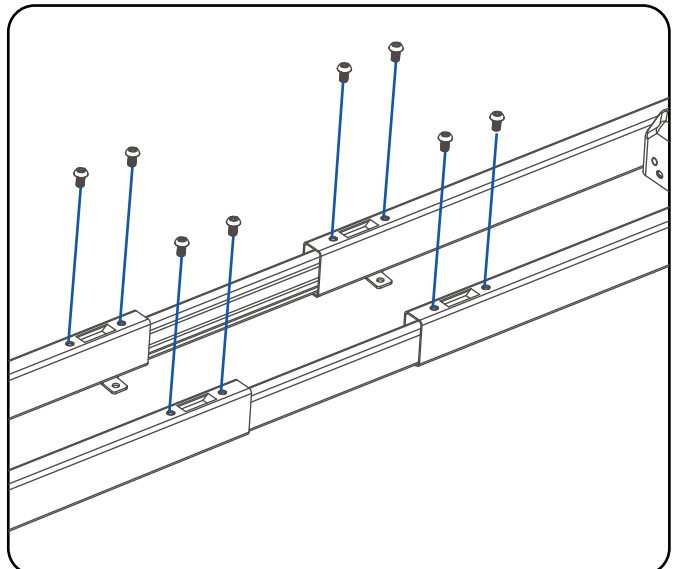
E M4 Wrench



1. Attach **Center Rails** to the **Frame**, following the notch direction



2. Insert 8 screws **A** without tightening

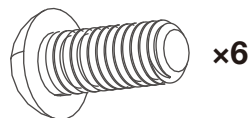


FRAME INSTALLATION

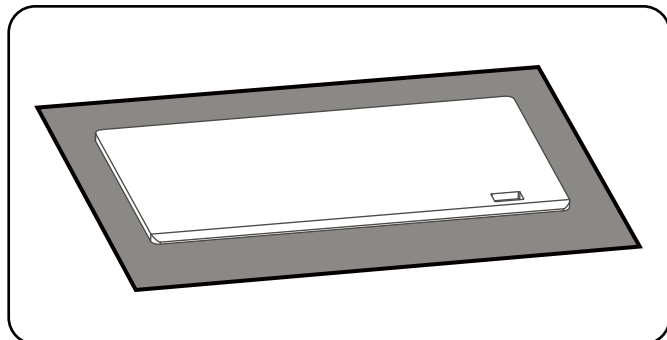


1. Place a **Foam Pad** under the **Desktop** to prevent scratches when installing

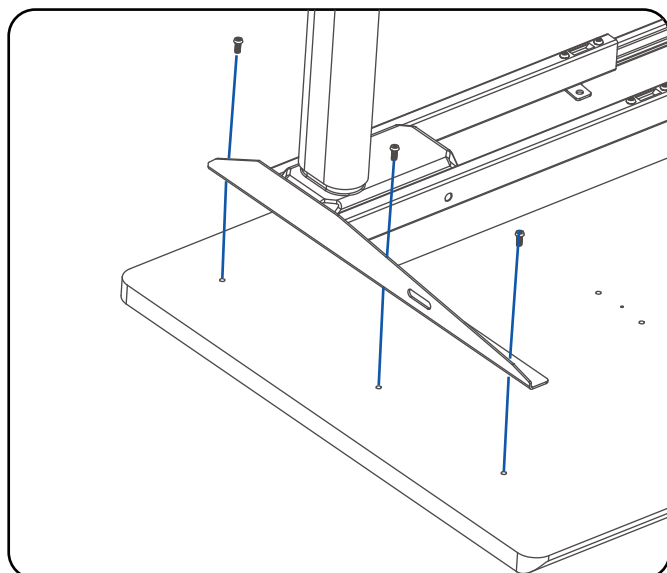
B M6*14 Screws



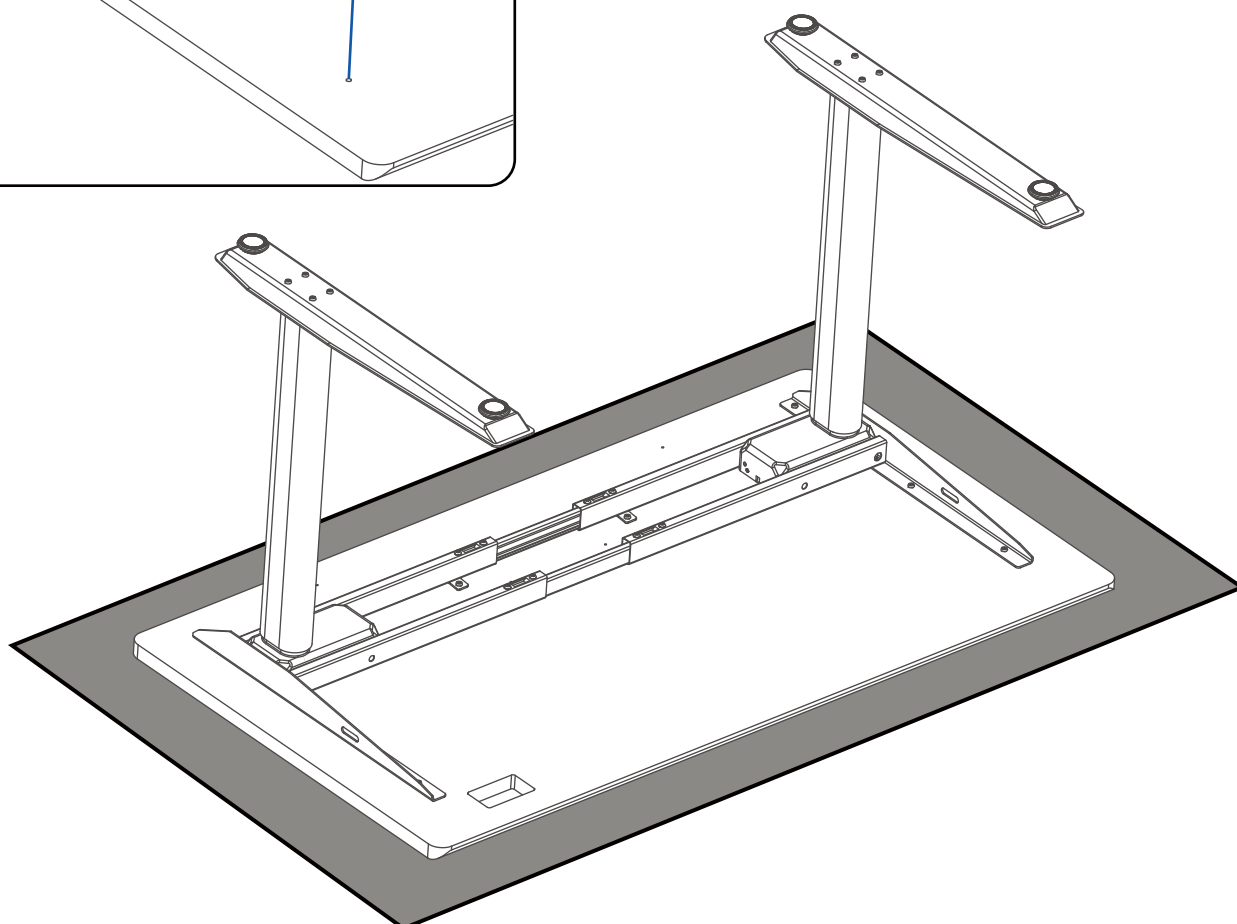
E M4 Wrench



2. With 2 people, position the **Frame** on the **Desktop**, align the **Side Bracket** holes with the **Desktop** holes

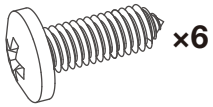


3. Insert 6 screws **B**

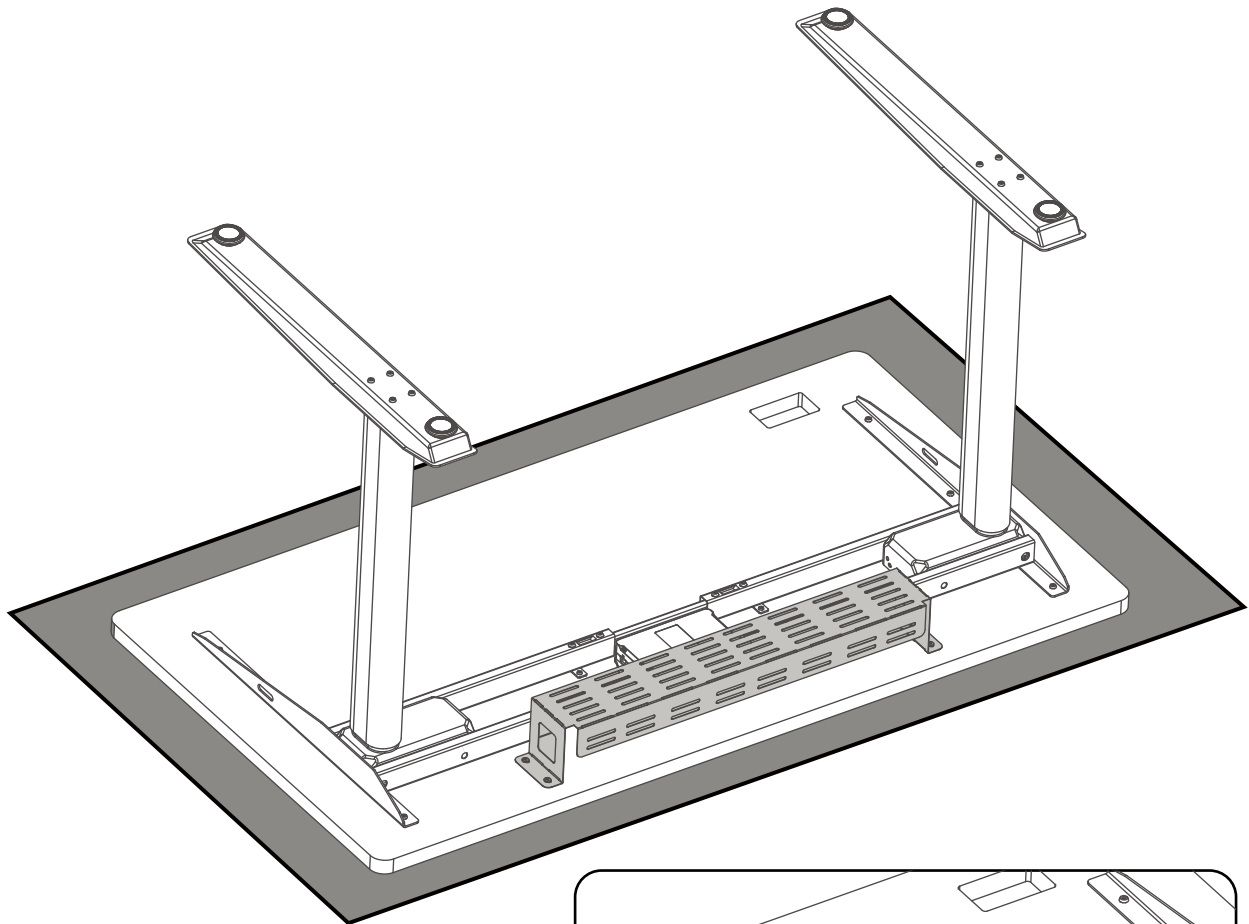
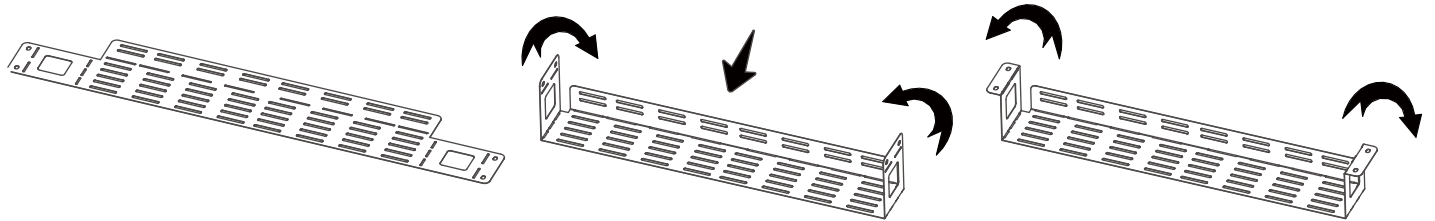
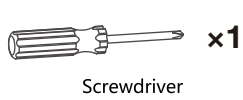


CABLE TRAY ASSEMBLY

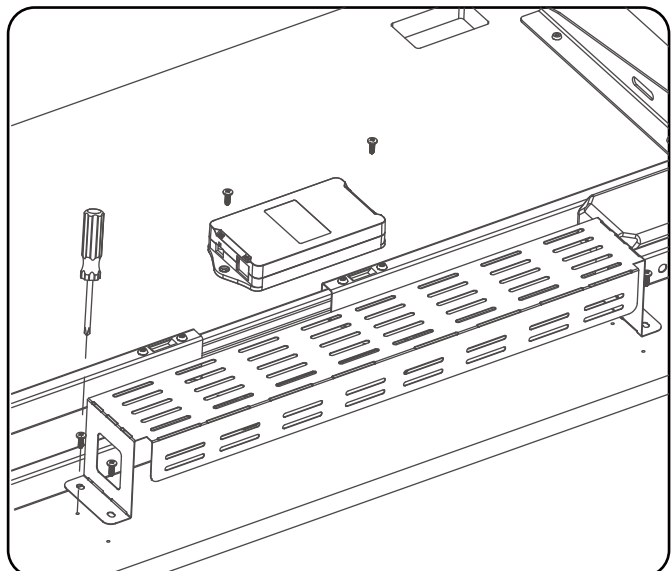
D ST5*16 Screws

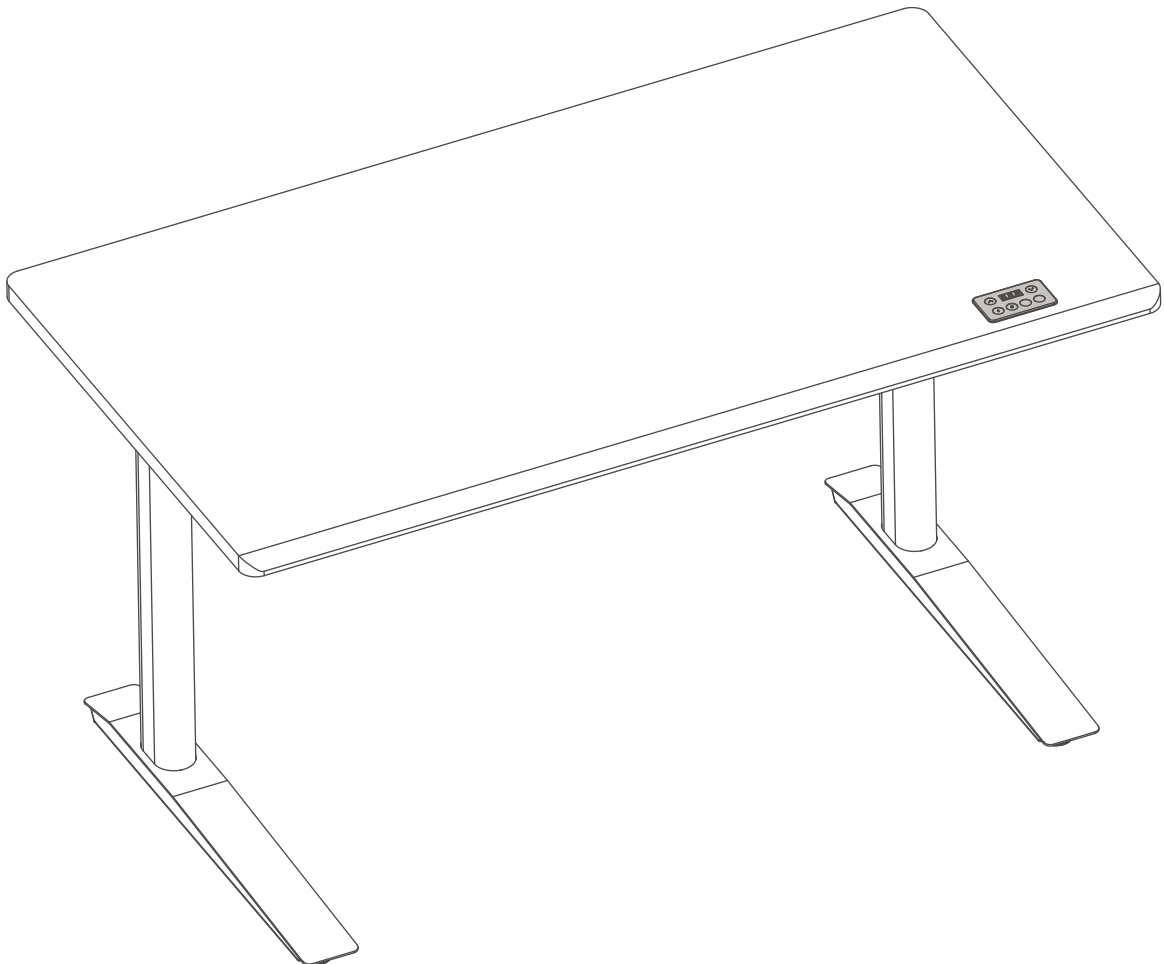
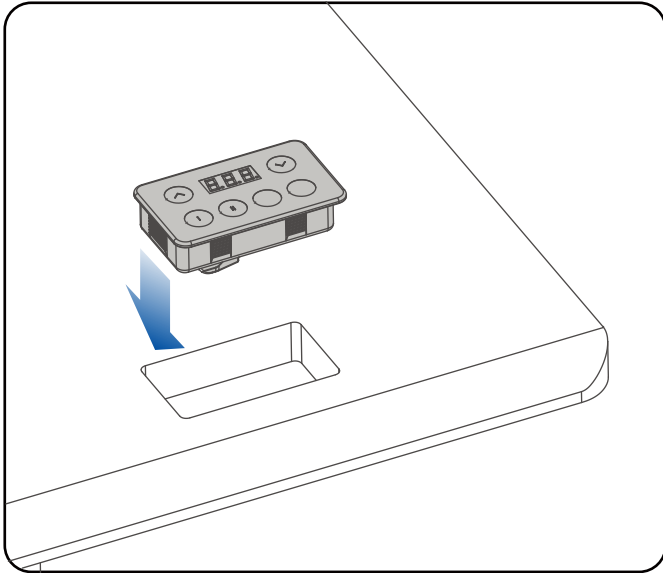


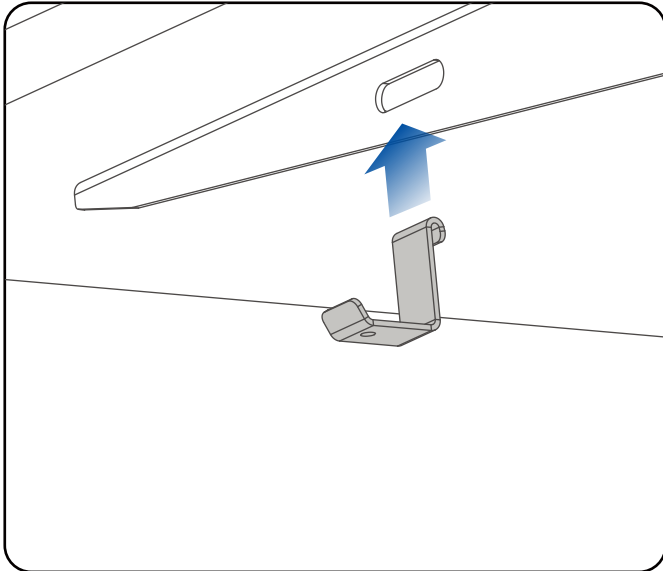
G Screwdriver



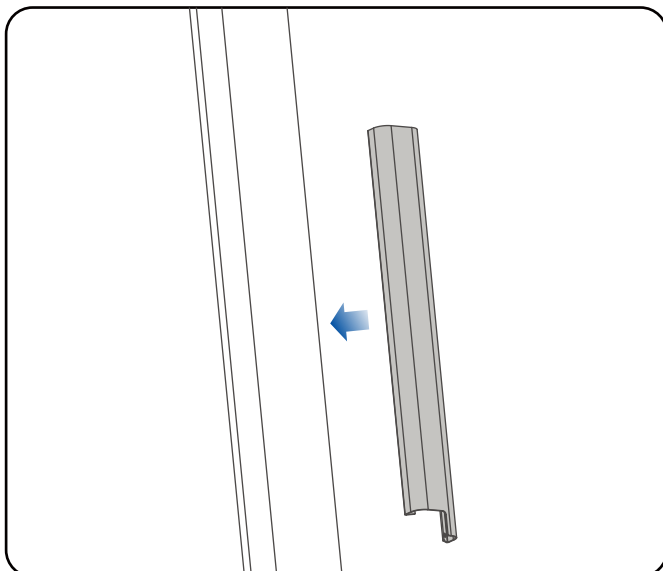
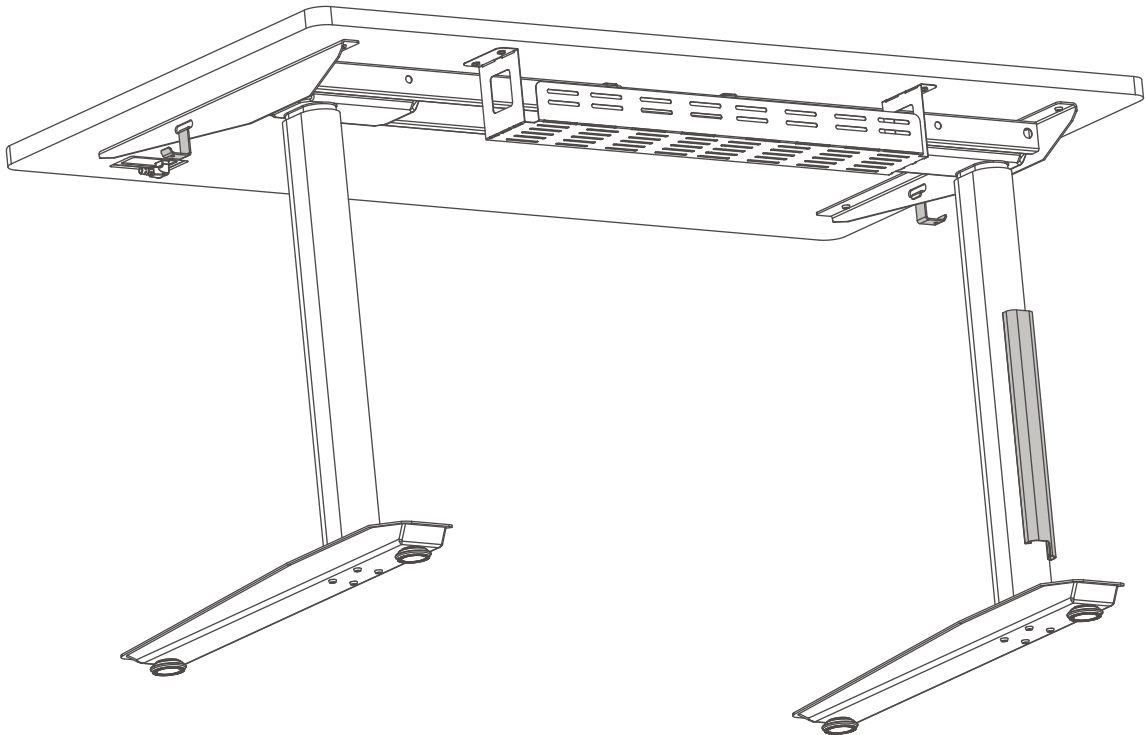
1. Insert 6 screws **D**





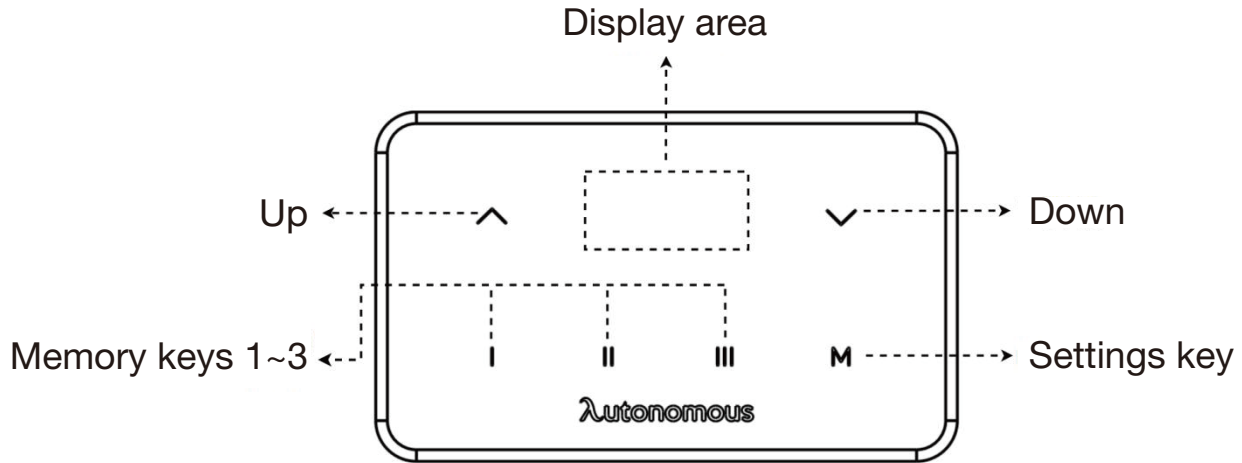


1. Attach the **Hooks** to the **Side Brackets**



2. Attach the **Upper Tube** to a **Column**

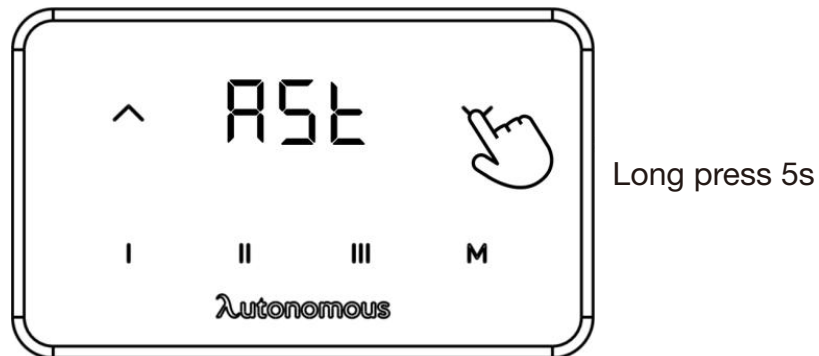
Npte: The **Power Cord** should be put through the **Upper Tube** before attaching



1. Reset function

Abnormal Reset: After the hand controller reports an error due to a partial abnormality, it will automatically enter a reset state, with the screen flashing "RSt". It is necessary to press and hold the "Down" button until the hand controller displays the height, and the controller emits a "beep" sound

Active reset: At the lowest point, long press the "Down" button for 5 seconds to enter reset mode. The screen flashes "RSt". Keep pressing the "Down" button until the hand controller displays the height, and the controller emits a "beep" sound



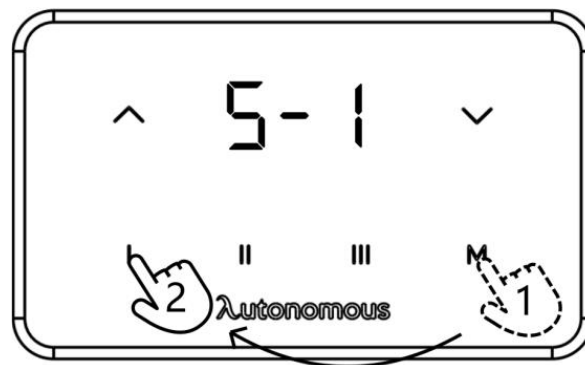
2. Lifting function

Press the "Up" or "Down" button to raise or lower the standing desk, and release the button to stop its operation

3. Memory location function

"Three memory positions can be set, and the operation mode is determined by the controller."

Setting method: Short press the "Set" button, the hand controller displays "S-" and the "-" flashes. At this time, press any of the "Memory" buttons to store the current height to the corresponding memory position, and it will display "S-1", "S-2", or "S-3" (with the "-" flashing)

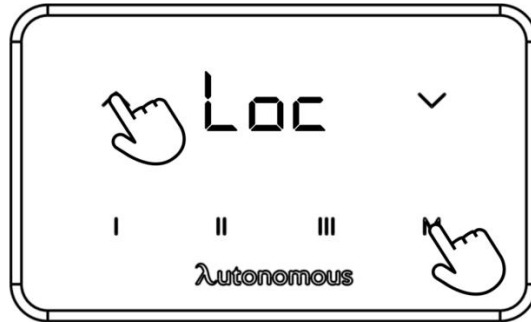


Operation: When executing the memory position operation, the hand controller will first display the height of the corresponding position; if the memory button pressed has not been set with a height, the hand controller will display "--."

- In jog mode: Long press the "Memory Button" for a preset memory position, and the standing desk will move to the stored height. During the long press, if you release the button, the standing desk will stop moving
- In the continuous motion mode: Click the "Memory Button" for the preset memory position, and the standing desk will automatically operate to the stored height position. During the operation, pressing any key can interrupt the operation

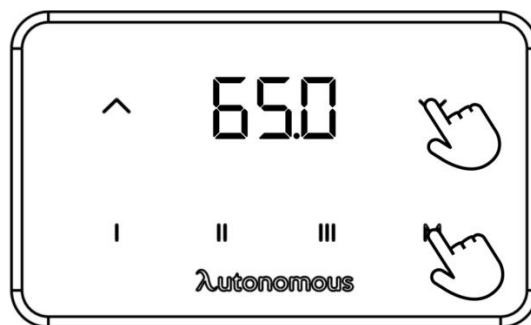
4. Safety lock function

Locking: Press and hold the "Up" and "Set" buttons simultaneously, the hand controller will flash and display "Loc", indicating that the system has entered a locked state and no other operations can be performed.



Long press the up button
+ set button for 5s

Unlock: Press and hold the "Descending Button" and "Setting Button" simultaneously for 5 seconds. The hand controller will resume displaying height, and the system will return to an unlocked state, allowing normal operation

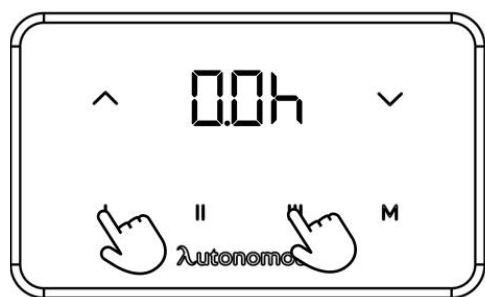


Long press the down button
+ set button for 5 seconds

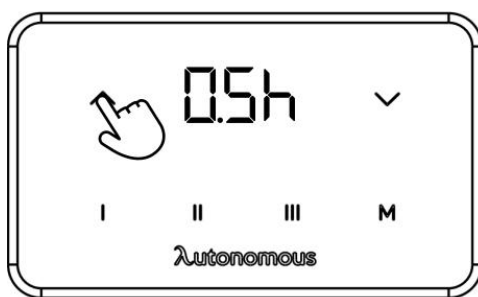
5. Timed reminder function

Timing reminder settings

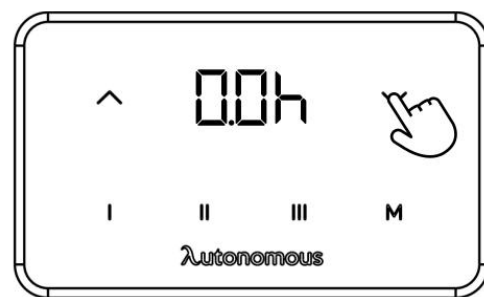
Press the "Memory" button 1 and the "Memory" button 3 again, and the hand controller will flash and display "x.xh". At this point, you can press the "Up" button or the "Down" button to adjust the timing duration. The time can be set to "off" for timing reminder. The adjustment is made in 0.5-hour increments. If there is no operation for 2 seconds, the setting will be successful and the hand controller will exit. After enabling the timing reminder, the last decimal point will flash when the hand controller is turned off, indicating that there is a timing operation in progress.



Enter timing settings:
Press the Memory 1 key+3 key



Adjust upwards:
Press the Up key



Adjust downwards:
Press the down key

Timing reminder instructions

- When the timer reaches its set time, the handheld controller will be woken up, and the controller will emit five long "beep" sounds as a reminder before automatically turning off the timer function
- If you enable a scheduled reminder and change the scheduled time, the original timing will not be cleared
- The controller will disable the scheduled reminder when powered off

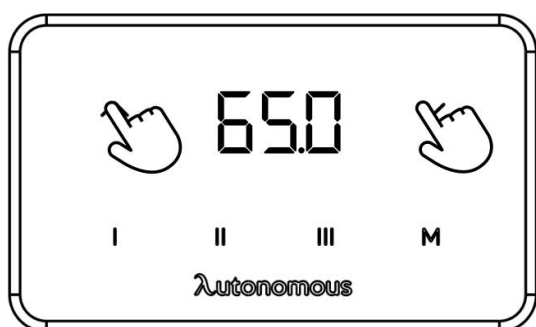
6. Upper and lower limit function

If the current height is in the upper half of the travel range, the following operations are related to the upper limit function; if the current height is in the lower half of the travel range, the following operations are related to the lower limit function

Setting method: Press and hold the "Up" and "Down" buttons simultaneously for 5 seconds. At this point, the controller will emit a "beep" sound, indicating that the limit setting has been successful

Cancellation method:

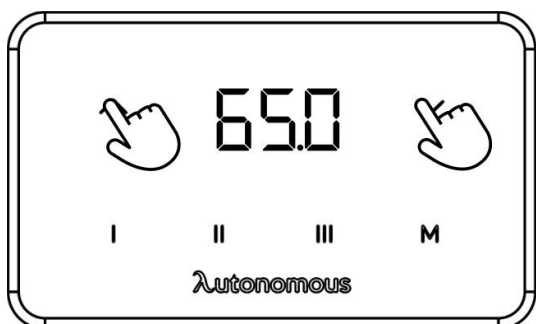
- Method 1: Perform a reset operation to simultaneously cancel the upper and lower limits
- Method 2: Operate until reaching the corresponding limit position, and simultaneously press and hold the "□" and "√" buttons for 5 seconds. The controller will emit a "beep" sound, indicating successful cancellation of the limit position



Set/Cancel Limit: Long press the Up button + Down button for 5 seconds

7. Restore factory settings

Operation method: Press and hold the "Up" and "Down" buttons simultaneously for 10 seconds, and the controller will emit a long "beep" sound. The handheld controller will display , indicating that the reset operation has been completed and normal use is possible.



Reset to factory settings: Long press the up button + down button for 10 seconds

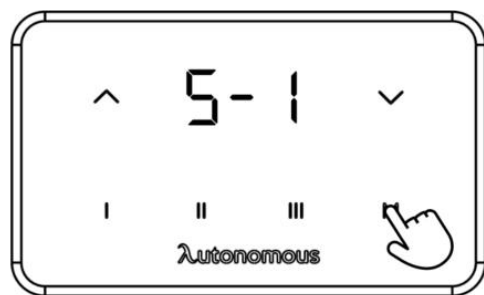
Special note: At 5s, the setting/canceling limit function will be activated, and a prompt for the upper and lower limit functions will sound once

After completing the operation, the following parameters will be reset to their factory default settings

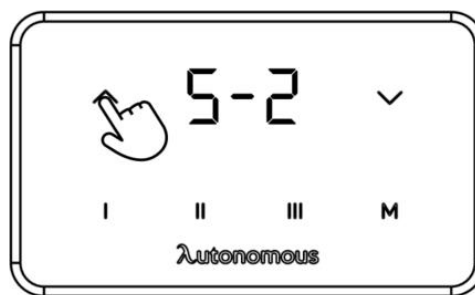
- Memory location
- Upper and lower limits
- Minimum digital display
- Display Unit
- Memory position operation mode
- Sensor sensitivity level
- Rising current sensitivity level
- Decrease current sensitivity level
- Tilt sensitivity level (due to the controller, this item will not be reset)
- On-off switch

8. Parameter setting

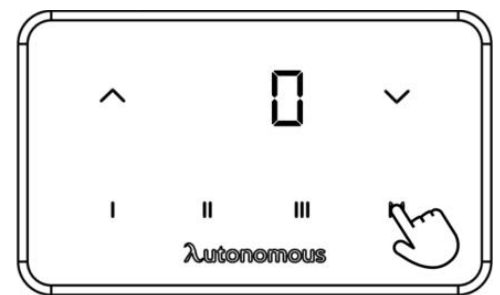
Long press the "Set" button for 5 seconds to enter the settings interface, where "S-x" is displayed with "x" flashing. "x" represents the parameter group. Press the "Up" or "Down" button to switch between parameter groups. Press the "Set" button to enter the parameter group settings for the corresponding parameters. After entering, the current parameter is displayed. Press the "Up" or "Down" button to switch parameters. Once the parameters are set, press the "Set" button to confirm and return to the height display interface. (If no button is pressed within 5 seconds during the setting process, the original parameters will be retained and the display will return to the height display.)



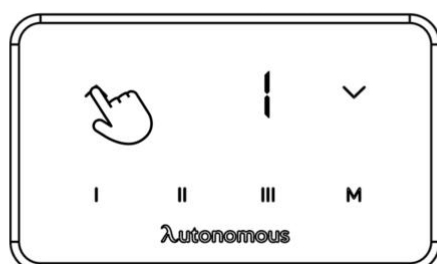
Enter menu: Press and hold the setup button for 5 seconds



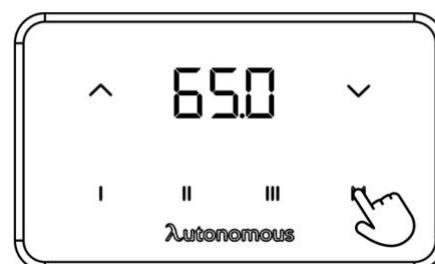
Select up:
Press the up button



Enter submenu:
Press the setup button



Select parameter upward in submenu: Press the up button



Confirm setting:
Press the setup button

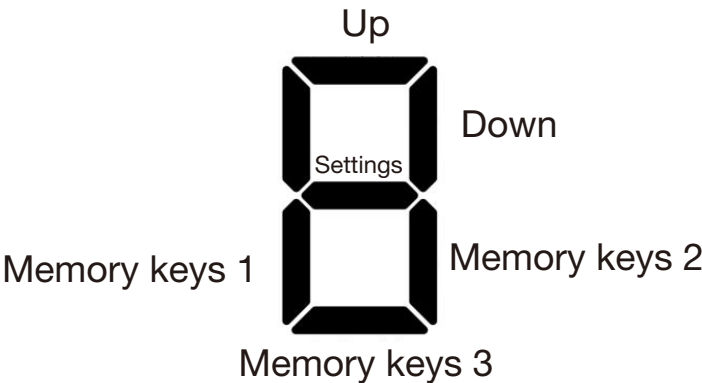
- The configurable parameters are as follows:
- (1) "S-1"Display unit setting: 0 indicates display in centimeters, while 1 indicates display in inches.
 - (2) "S-2"Sensor back-off sensitivity: 0 indicates off, 1 indicates the least sensitive, and 8 indicates the most sensitive.
 - (3) "S-3"Sensitivity of the rising current to resistance and fallback. 0 indicates off, 1 indicates the least sensitive, and 8 indicates the most sensitive.
 - (4) "S-4"Sensitivity of current drop-off upon resistance, where 0 indicates off, 1 indicates the least sensitive, and 8 indicates the most sensitive.
 - (5) "S-5"Minimum digital display setting, with units in centimeters (Note: When modifying, there is no display of the decimal place, and all adjustments are made in units of 1cm under the display).
 - (6) "S-6": Memory position operation mode, 0 indicates jogging (release the memory position button to stop operation), and 1 indicates continuous operation (press the memory position button to automatically operate to the specified position)
 - (7) "S-7": duty cycle protection switch, 0 indicates the duty cycle is off, relying solely on temperature protection controller, while 1 indicates duty cycle protection is on (operating for 2 minutes and resting for 18 minutes)
 - (8) "S-8": Tilt sensitivity: 0 indicates off, and 1 to 8 correspond to tilt degrees of 0.5 to 4 degrees, respectively, with increments of 0.5 degrees.

9.10s extinguishes (controlled by the controller)

In the height setting, if there is no button operation for 10 seconds, the screen and button backlight of the hand controller will turn off.

10. Serial port receive timeout detection

If the hand controller fails to receive correct data for a period of time due to poor contact or other reasons, this exception is triggered when it is released, and it flashes 3 times every time it is released. Pressing a button displays a specific segment of the digital display, and the correspondence between the button and the specific segment is shown in the following diagram. (The backlight and screen turn on and off simultaneously.)



11. Prompt code table

Display Code	Function Description
Loc	Lock indication
RSt	Reset indication
Hot	Duty cycle / overheat protection indication
E01	Main power supply overvoltage indication
E02	Column height difference too large
E04	Hand control not properly connected
E05	Obstruction rebound indication
E06	Main power supply not activated
E07	Main power supply undervoltage indication
E08	Unbalance protection indication
E11	M1 interface motor not connected (this error does not apply to this system)
E12	M1 interface motor sampling channel error
E13	M1 interface motor phase wire open circuit
E14	M1 interface Hall signal open circuit
E15	M1 interface motor short circuit
E16	M1 interface motor stall
E17	M1 interface motor direction error
E18	M1 interface motor overload
E21	M2 interface motor not connected (this error does not apply to this system)
E22	M2 interface motor sampling channel error
E23	M2 interface motor phase wire open circuit
E24	M2 interface Hall signal open circuit
E25	M2 interface motor short circuit
E26	M2 interface motor stall
E27	M2 interface motor direction error
E28	M2 interface motor overload
E40	Serial device interruption (this error does not apply to this system)
E41	Serial signal error (this error does not apply to this system)
E42	Memory error
E43	Sensor error