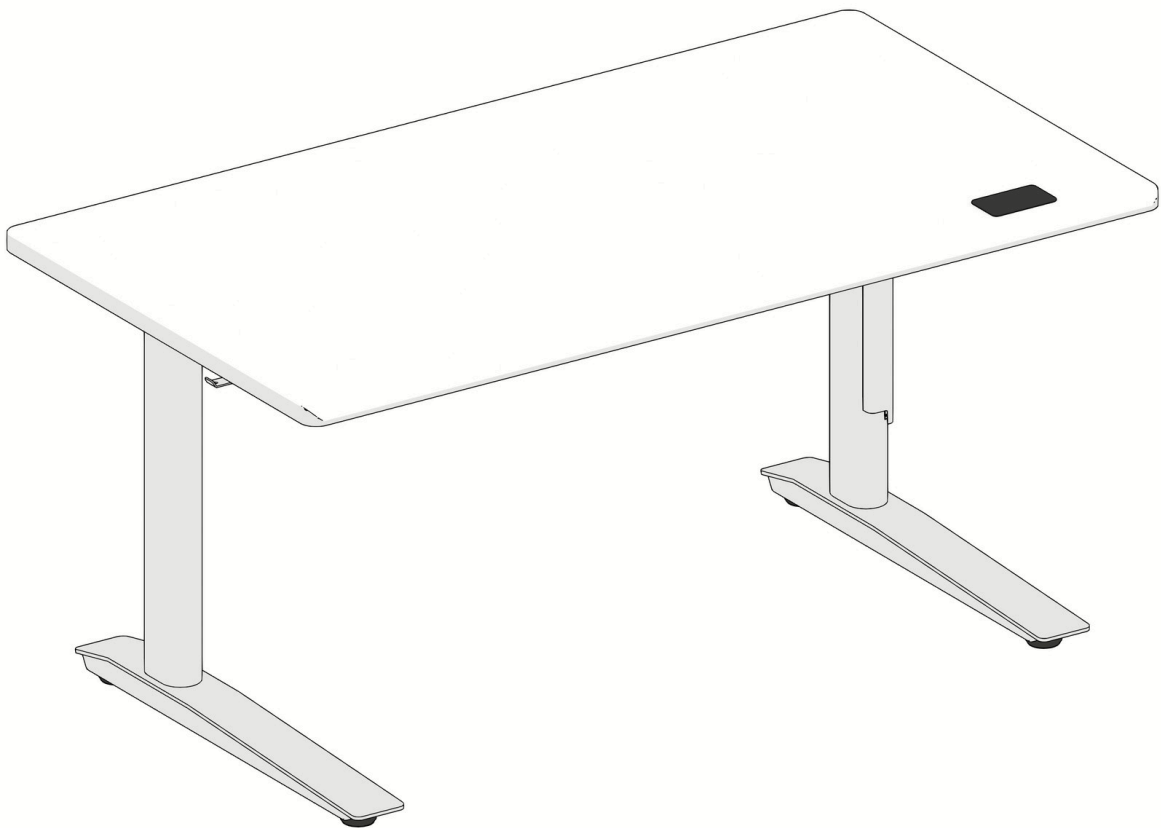


Autonomous

Autonomous Desk Pro

Assembly Instructions



Assembly Time

30-40 min

Number of People

1 (2 to flip)



Tools

All included

M4 wrench and screwdriver in the box

CAUTION	1
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ASSEMBLY GUIDE	
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11 FIT THE KEYPAD AND ACCESSORIES	9
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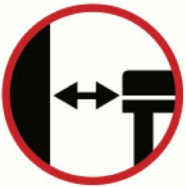
READ AND FOLLOW ASSEMBLY INSTRUCTIONS CAREFULLY BEFORE USE.



Keep kids and pets away during use.



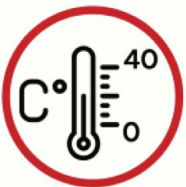
Unplug during storms or long unused periods.



Keep desktop away from walls for ventilation.



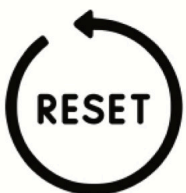
Keep the under-desk area (20"+) obstacle-free during use.



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



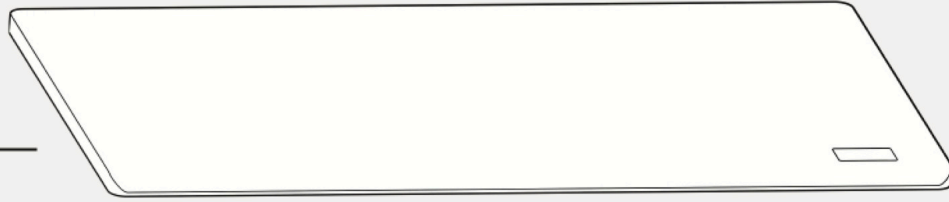
Do not disassemble without permission.



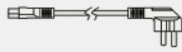
Manually reset after first use or power outage.

INCLUDED PARTS

Desktop



Power Cord

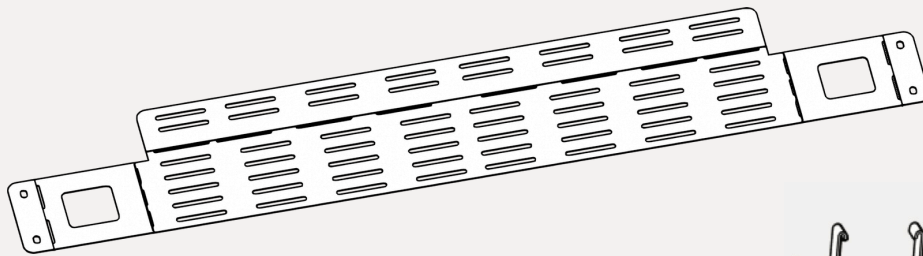


Keypad

Power Outlet



Control Box



Cable Tray

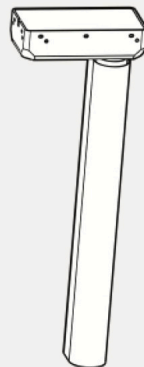
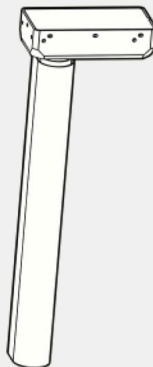


Hooks

x 2

Columns

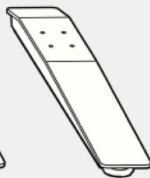
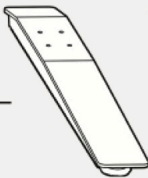
x 2



Upper Tube

Feet

x 2



Side Brackets

x 2

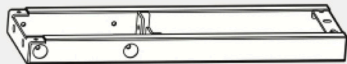
Center Rails

x 2

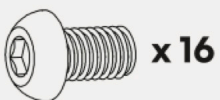


Frames

x 2

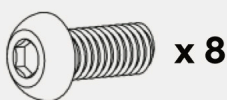


A M6x10 Screws



x 16

B M6x14 Screws



x 8

C M6x16 Screws



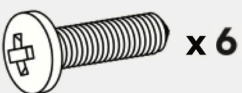
x 8

D M6x12 Screws



x 12

E ST5x16 Screws



x 6

G Screwdriver



x 1

H M4 Wrench



x 1

J Zip Ties



x 10

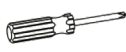
Before You Start

H M4 Wrench



x 1

G Screwdriver



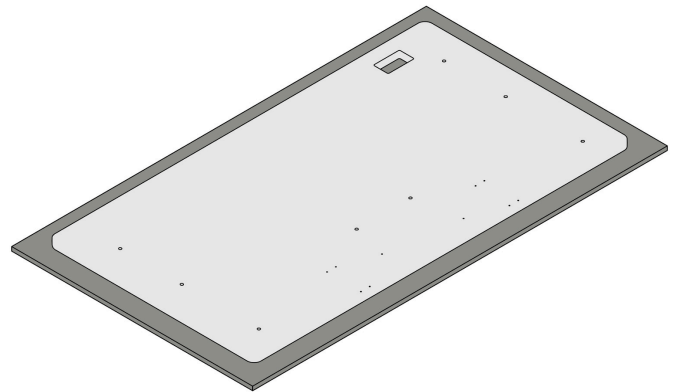
x 1

Assembly time 30–40 min

People 1 for assembly, 2 for the final flip (step 10)

In the box: M4 wrench (H), screwdriver (G). You do not need any other tool.

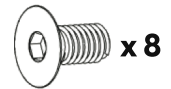
Set up your space. Clear a floor area larger than the desktop. Lay the two frames on the floor beside it, channel facing up.



Note: Place the desktop **face down** on the foam pad. **Leave the foam pad in place until after the flip.**

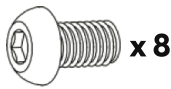
01 Build the Legs

D M6x12 Screws



x 8

A M6x10 Screws



x 8

H M4 Wrench



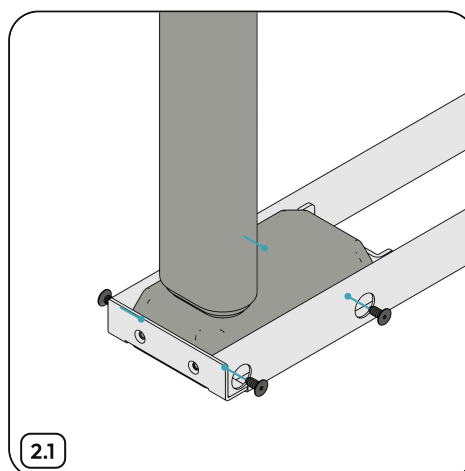
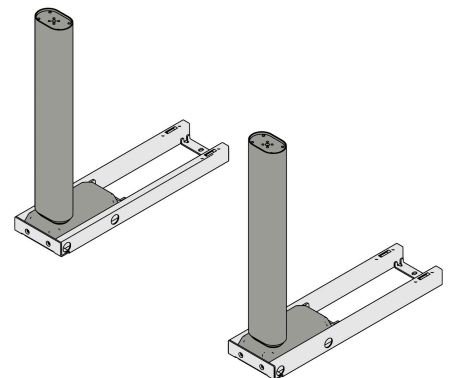
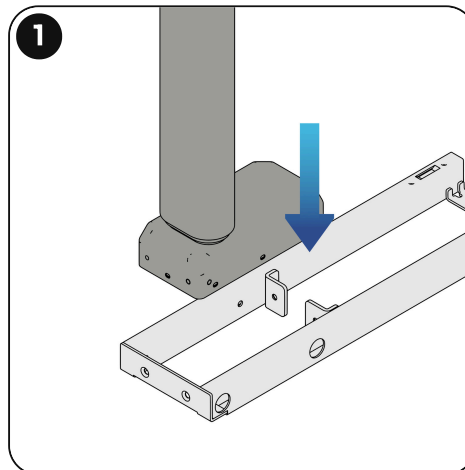
x 1

1 Lower a **column** into a **frame**, bottom box first, until it sits on the floor of the channel.

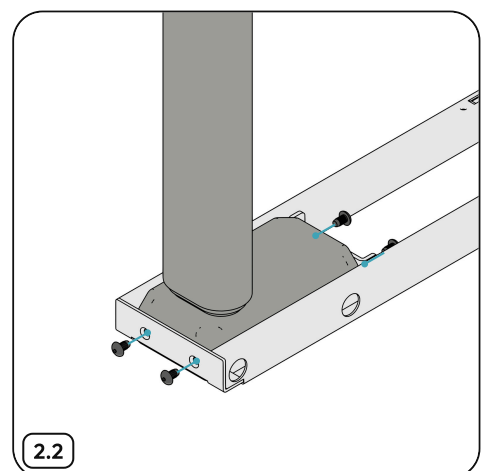
2 Insert **4 screws D** through the side tabs (2.1) and **4 screws A** through the frame ends (2.2). **Start all 8, then tighten.**

3 Repeat for the second leg.

Note: Do not fit the feet yet. The legs stand on the desktop in steps 3 and 5 and must stay light.



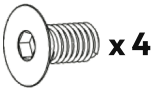
2.1



2.2

02 Fit the Side Brackets

D M6x12 Screws



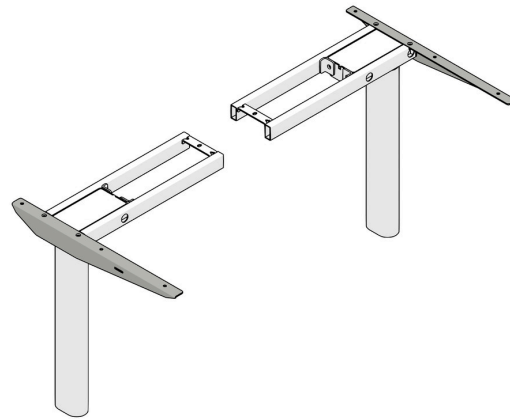
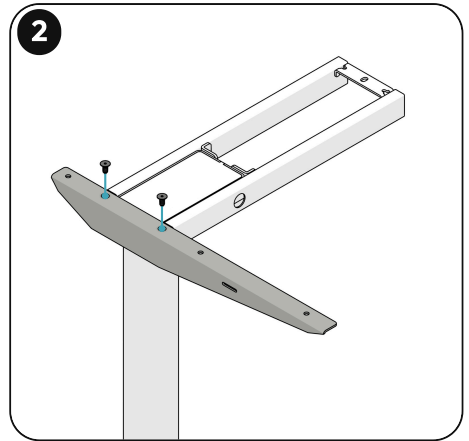
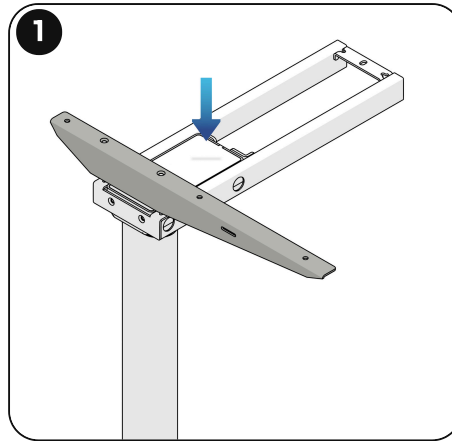
H M4 Wrench



- 1** Set a **side bracket** across the top of each frame, over the column box. Line up the 2 holes.
- 2** Insert **2 screws D** from above. **Start both, then tighten.**

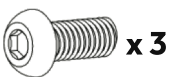
⚠ CAUTION

These screws go in from the top and are out of reach once the leg is on the desktop. Fit both brackets now, before step 3.



03 Set the First Leg on the Desktop

B M6x14 Screws

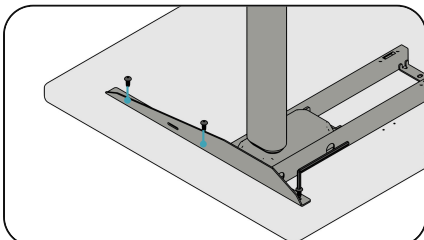
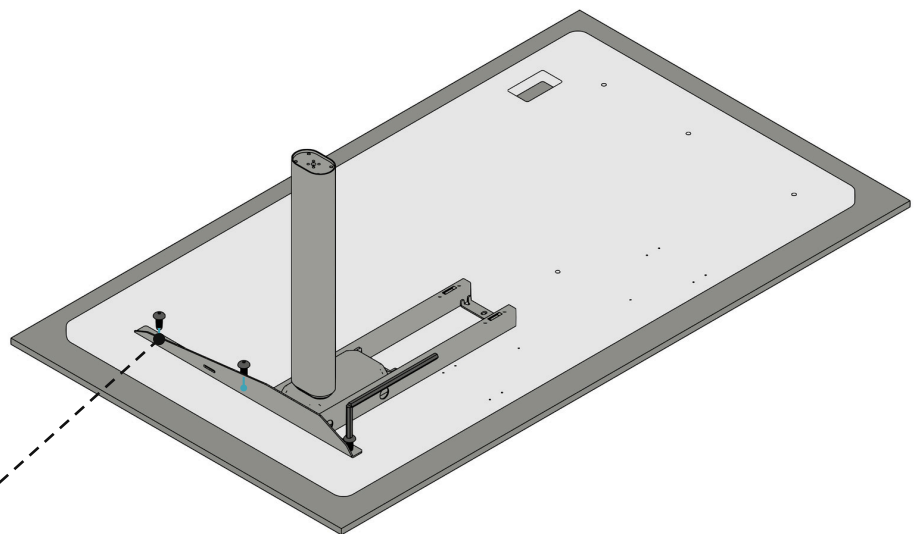


H M4 Wrench



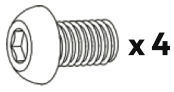
- 1** Stand one leg on the desktop at the **left end**, side bracket down and column pointing up. Line up the 3 bracket holes with the desktop holes.
- 2** Insert **3 screws B**. Start all 3.

Note: Leave these 3 screws loose. They are tightened in step 6. Hold the column steady while you start the first screw. The leg is top-heavy until it is fastened.



04 Slide in the Center Rails

A M6x10 Screws



H M4 Wrench



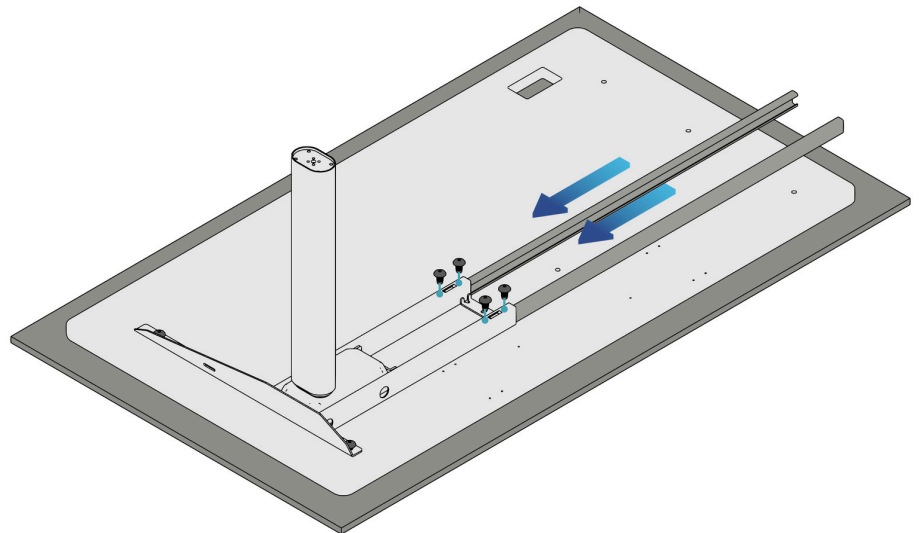
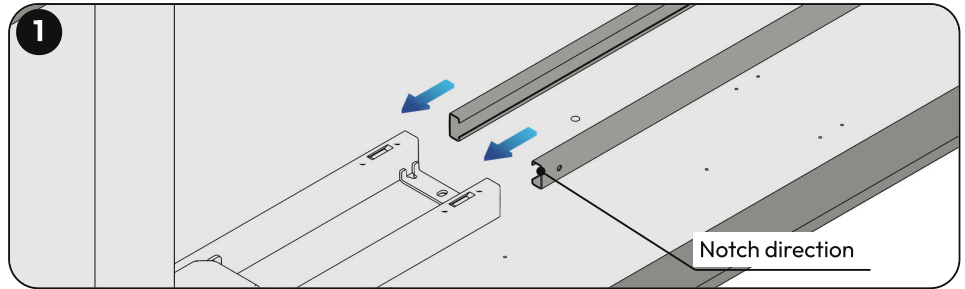
- 1 Slide both **center rails** into the frame channel of the first leg, **notch direction as shown**. Push them in until they stop.

- 2 Insert **4 screws A** through the frame into the rails.

Note: Leave these 4 screws loose. They are tightened in step 6.

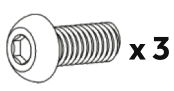
⚠ CAUTION

The rails are not symmetrical. Match the notch to the drawing before you slide them in. If they go in backwards, the second leg will not seat on the desktop holes.

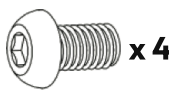


05 Set the Second Leg

B M6x14 Screws



A M6x10 Screws

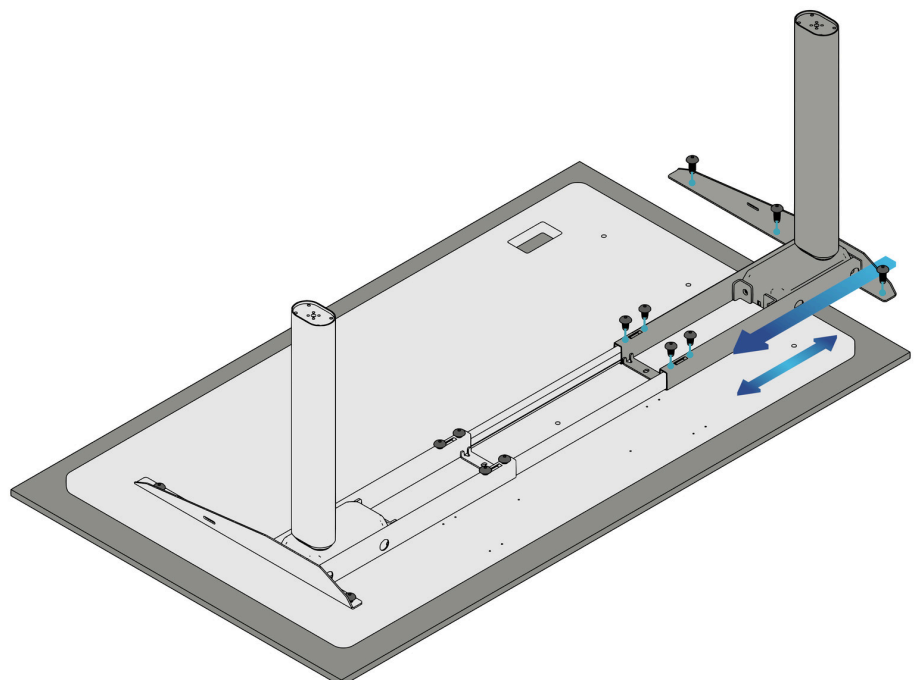


H M4 Wrench



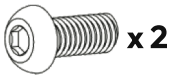
- 1 Stand the second leg at the **right end**. Slide its frame channel onto the free ends of the center rails.
- 2 Move the leg along the rails until the 3 bracket holes line up with the desktop holes. Insert **3 screws B**. Start all 3.
- 3 Insert the remaining **4 screws A** through the frame into the rails.

Note: Leave all 7 screws loose. They are tightened in step 6.



06 Fasten to the Desktop and Tighten

B M6x14 Screws

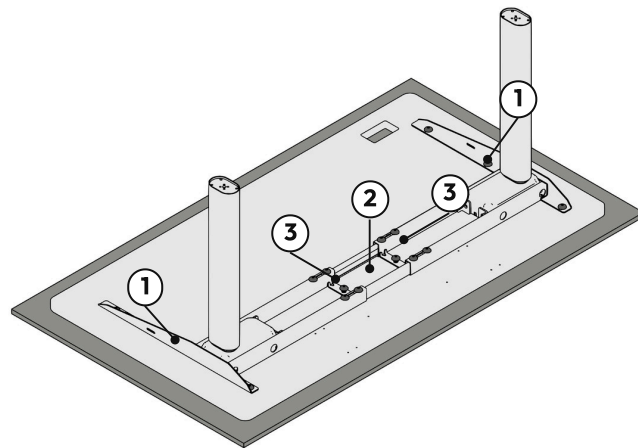
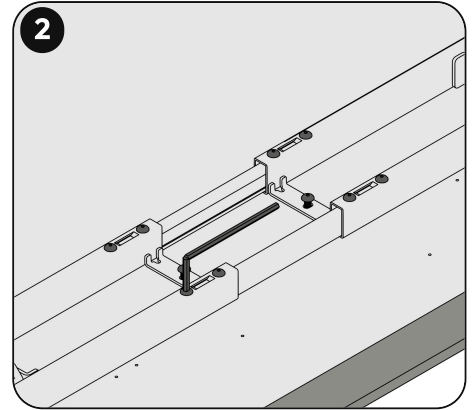
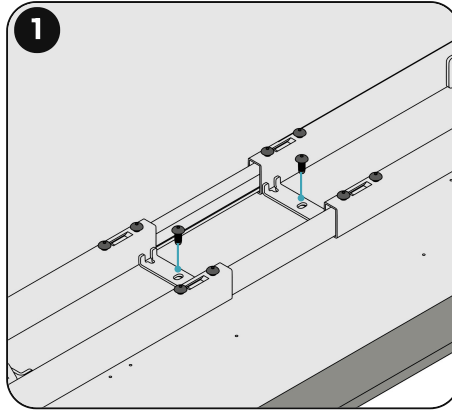


H M4 Wrench



- 1 Insert **2 screws B** through the center rails into the desktop, at the middle. Start both.
- 2 Now tighten every screw left loose in steps 3 to 5, in this order:
 - 1 **6 screws B** on the side brackets
 - 2 **2 screws B** at the middle
 - 3 **8 screws A** on the rails

Nothing on the frame is tightened before this step, so both legs and the rails can settle on the desktop holes first.



07 Fit the Feet

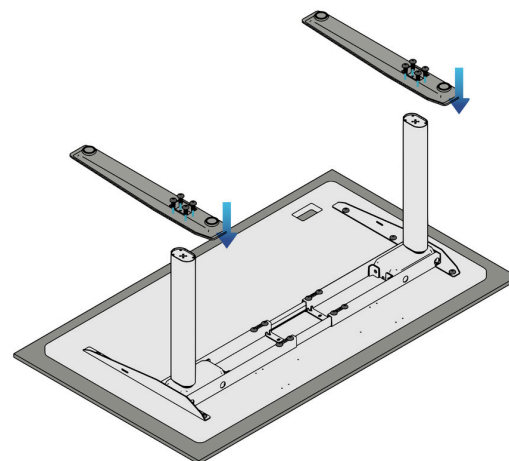
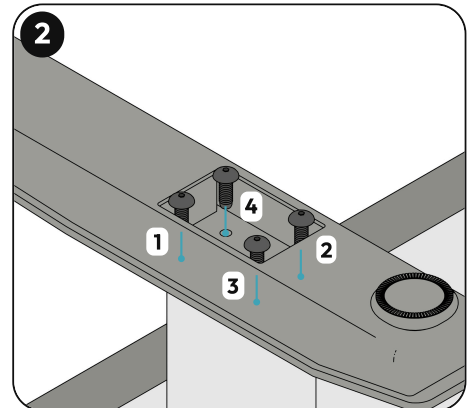
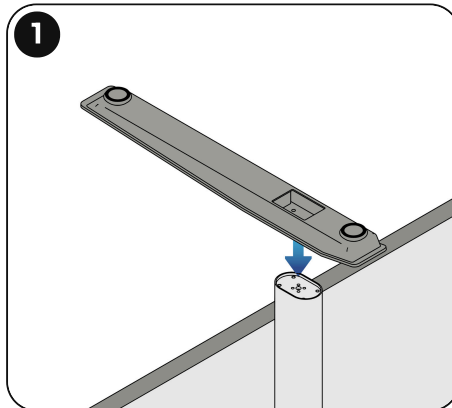
C M6x16 Screws



H M4 Wrench



- 1 Lower each **foot** onto its column end.
- 2 Insert **4 screws C** in the order shown. **Start all 4, then tighten.**

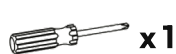


08 Fit the Cable Tray and Control Box

E ST5x16 Screws



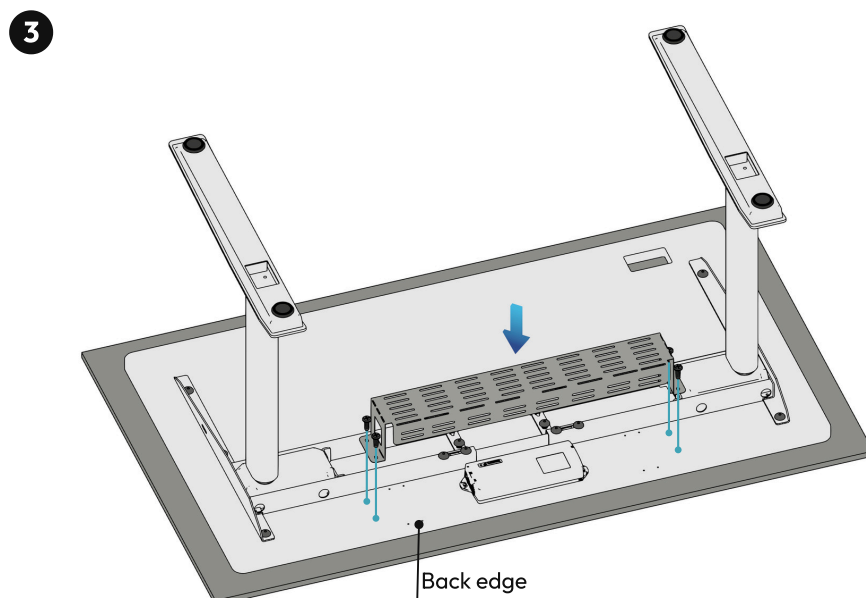
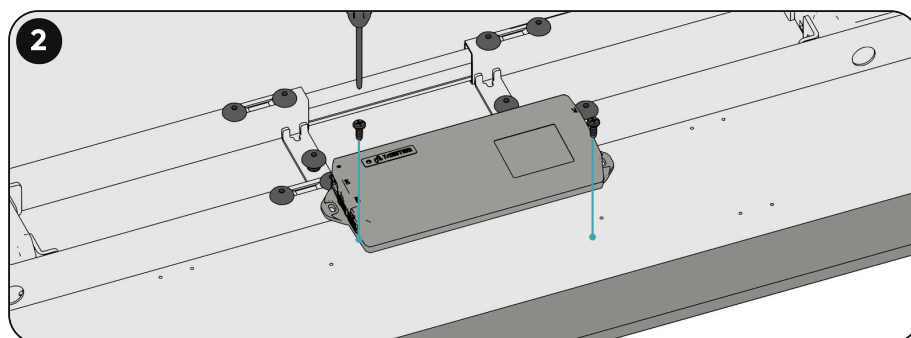
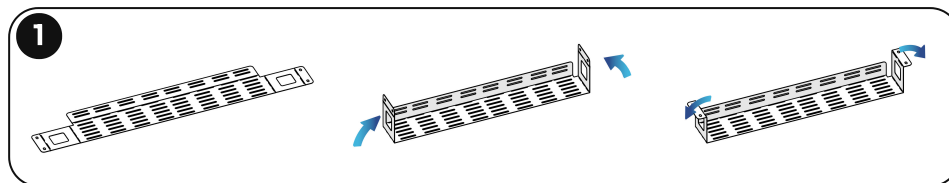
G Screwdriver



- 1** Fold the **cable tray**: raise the back wall and the 2 end walls, then bend the 2 tabs outward.
- 2** Fasten the **control box** to the desktop with **2 screws E**.
- 3** Set the cable tray over the control box, **low wall toward the back edge** and tabs flat on the desktop. Fasten the 2 tabs with **4 screws E**.

⚠ CAUTION

Tighten the E screws **by hand**. Do not use a power driver. They are wood screws, and a stripped thread cannot be reused.



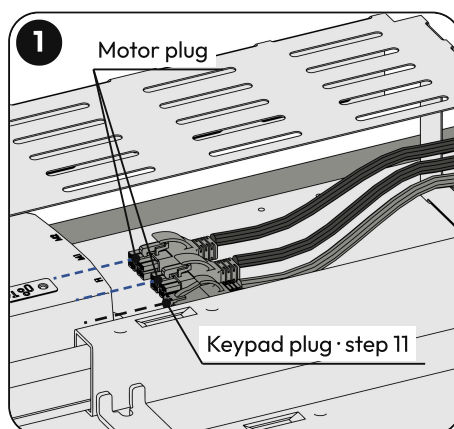
09 Connect the Cables

J Zip Ties

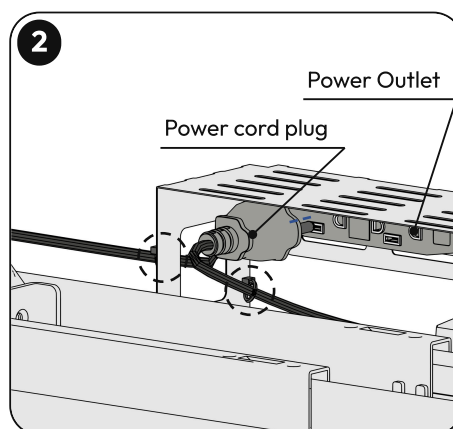


- 1** Plug both **motor cords** into the **control box**.
- 2** Set the **power outlet** in the cable tray. Plug the control box cord into it.
- 3** Bundle the slack with the **zip ties**.

Note: The **keypad** is connected in step 11, after the flip. Leave its port on the control box open.



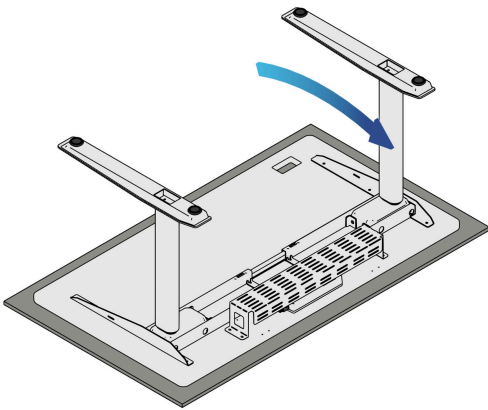
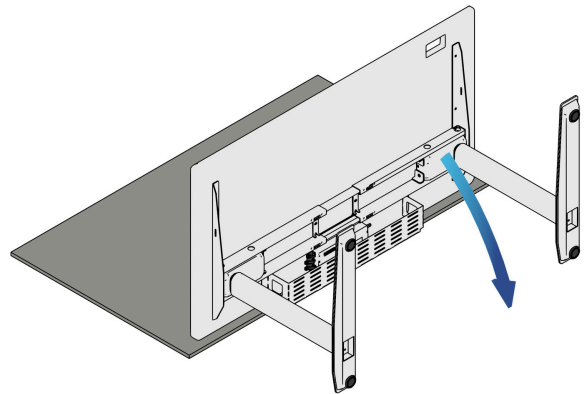
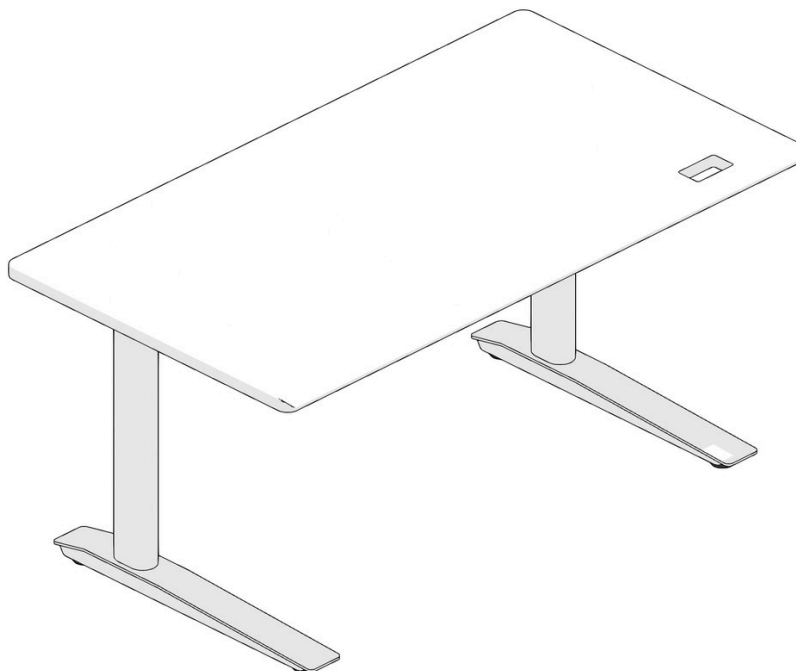
⚠ Do not plug into a wall outlet yet.



10 Flip the Desk

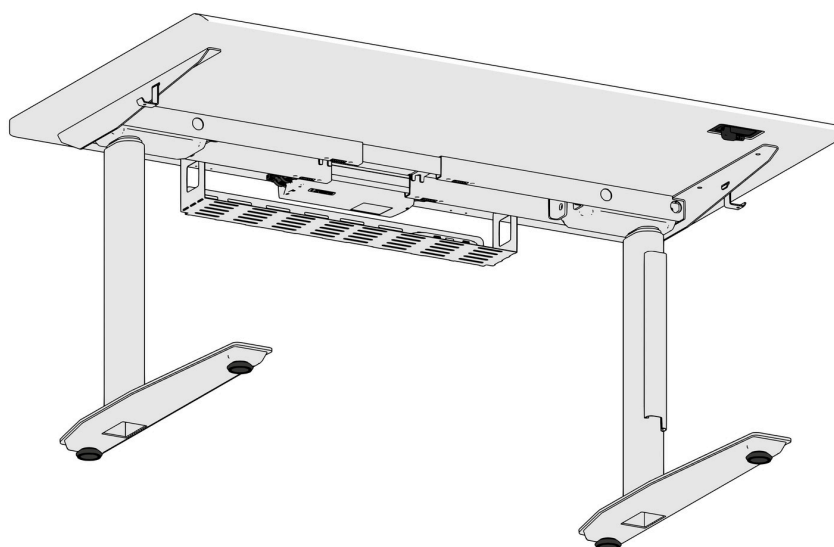
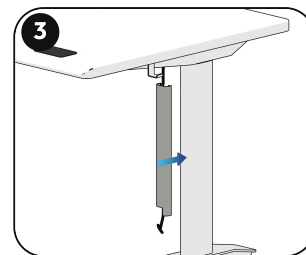
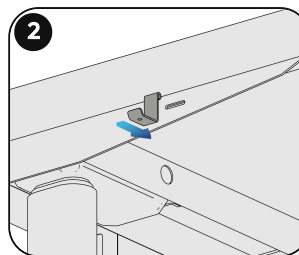
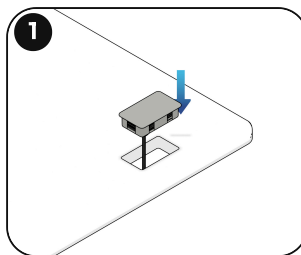
This is the only step that needs two people.

- Check that every screw is tight before you flip.
- Keep the foam pad under the desktop while you flip.
- Roll the desk over its **back edge** and set the feet down first.

1**2****3**

11 Fit the Keypad and Accessories

- 1 Drop the **keypad** into the cutout from above. Route its cable down through the cutout and plug it into the **control box**.
- 2 Clip the 2 **hooks** onto the **side brackets**.
- 3 Feed the **power cord** through the **upper tube**, then clip the tube to a column.

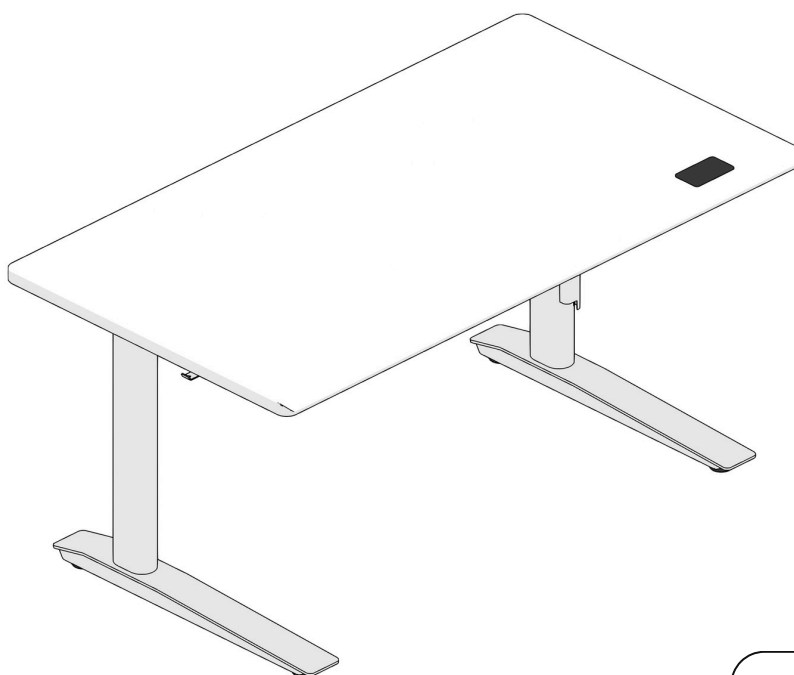


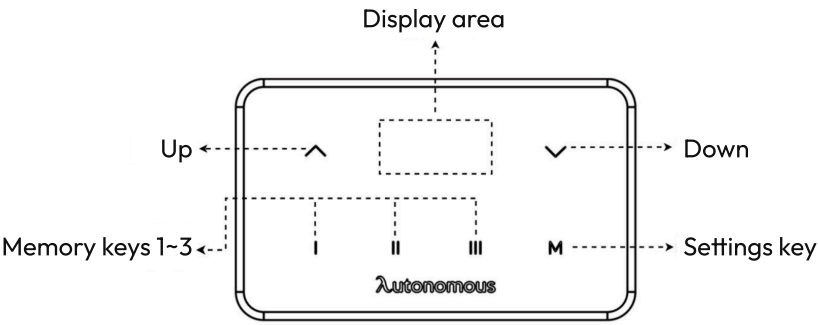
After Assembly

Stand the desk where it will be used, then **plug the power cord into the wall outlet**.

The desk will not move until it has been **reset**. Reset it again after any power outage.

Note: See **Reset function**, page 10. Clear obstacles from the desk's path and make sure the power cord is long enough for the full height range.



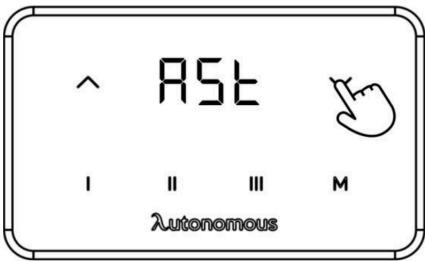


The **keypad** is the panel set into the desktop. The **control box** is the unit under the desk. When this guide says the desk beeps, the sound comes from the control box.

1. Reset function

Automatic reset. If the keypad reports an error, it enters reset mode on its own and the screen flashes "RSt". Press and hold the Down key until the keypad shows the height and the control box beeps once.

Manual reset. Lower the desk to its lowest point. Press and hold the Down key for 5 seconds. The screen flashes "RSt". Keep holding the Down key until the keypad shows the height and the control box beeps once.



Long press the Down key for 5 seconds

See also A reset also cancels the upper and lower limits, section 6. Reset is shown as "RSt" in the code table, section 11.

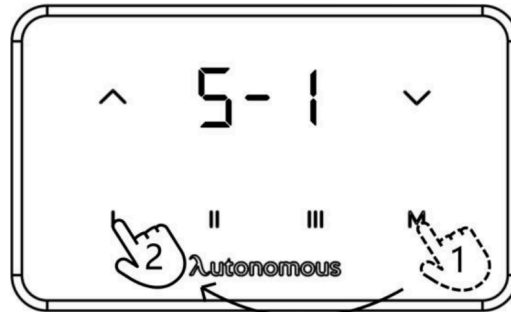
2. Lifting function

Press the Up or Down key to raise or lower the desk. Release the key to stop.

3. Memory position function

Three heights can be stored, one on each Memory key.

To store a height. Move the desk to the height you want. Press the Settings key once. The keypad shows "S-" with the dash flashing. Press Memory key 1, 2 or 3. The keypad shows "S-1", "S-2" or "S-3" with the dash flashing, and the height is stored on that key.



1. Press the Settings key 2. Press a Memory key

To move to a stored height. Press the Memory key. The keypad first shows the height stored on that key. If nothing is stored, it shows "--".

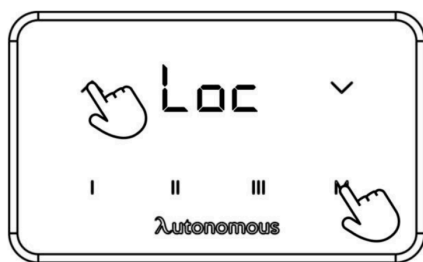
The desk moves in one of two ways, set by S-6:

- **Hold mode** (S-6 = 0, factory setting). Press and hold the Memory key. The desk moves to the stored height. Release the key and the desk stops.
- **Tap mode** (S-6 = 1). Press the Memory key once. The desk moves to the stored height on its own. Press any key to stop it.

See also To switch between hold mode and tap mode, change S-6 in section 8, Parameter setting.

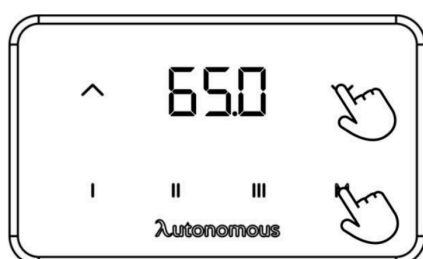
4. Safety lock function

Lock. Press and hold the Up key and the Settings key together for 5 seconds. The keypad flashes "Loc". The desk is locked and no key works until you unlock it.



Long press the Up key + Settings key
for 5 seconds

Unlock. Press and hold the Down key and the Settings key together for 5 seconds. The keypad shows the height again and all keys work as normal.



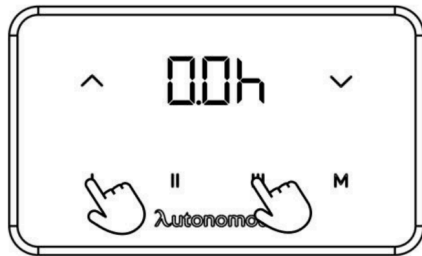
Long press the Down key + Settings
key for 5 seconds

See also "Loc" is listed in the code table, section 11.

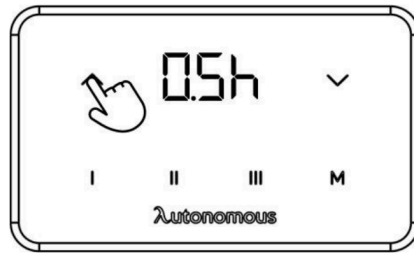
5. Timed reminder function

The desk can beep to remind you to change position.

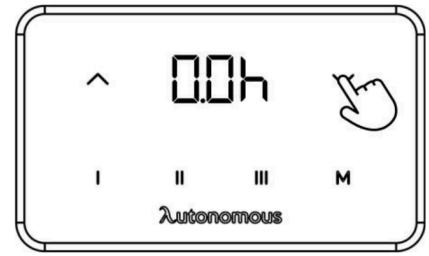
To set a reminder. Press Memory key 1 and Memory key 3 together. The keypad flashes "x.xh". Press the Up or Down key to set the time, in steps of 0.5 hour. To turn the reminder off, set it back to "0.0h". If no key is pressed for 2 seconds, the time is saved and the keypad returns to the height display.



Enter timing settings:
press Memory key 1 + Memory key 3



Adjust upwards:
press the Up key



Adjust downwards:
press the Down key

How the reminder works.

- When the set time is reached, the keypad wakes up and the control box gives five long beeps. The reminder then turns itself off.
- While a reminder is running, the last decimal point flashes when the keypad screen is off.
- If you change the time while a reminder is running, the running countdown is not cleared.
- The reminder is cleared when the desk is powered off.

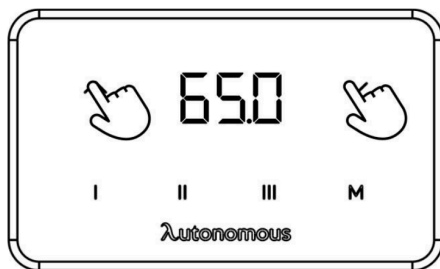
6. Upper and lower limit function

If the desk is in the upper half of its travel range, the steps below set or cancel the **upper** limit. If it is in the lower half, they set or cancel the **lower** limit.

To set a limit. Move the desk to the height where it should stop. Press and hold the Up and Down keys together for 5 seconds. The control box beeps once. The limit is set.

To cancel a limit.

- Method 1: perform a reset (section 1). This cancels both the upper and the lower limit.
- Method 2: move the desk to the limit height, then press and hold the Up and Down keys together for 5 seconds. The control box beeps once. That limit is cancelled.

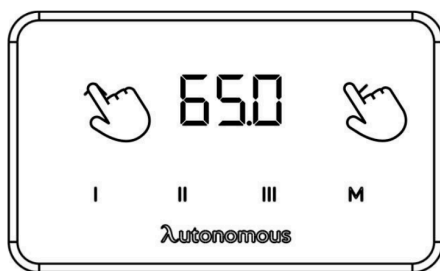


Set or cancel a limit: long press the Up key + Down key for 5 seconds

Caution Holding the same two keys for 10 seconds restores factory settings, section 7. Release at the first beep if you only want to set a limit.

7. Restore factory settings

Press and hold the Up and Down keys together for 10 seconds. The control box gives one long beep and the keypad shows the height. The reset is complete and the desk is ready for normal use.



Reset to factory settings: long press the Up key + Down key for 10 seconds

Special note. At 5 seconds the same key combination sets or cancels a limit, and the control box beeps once (section 6). Keep holding through that beep to reach the factory reset at 10 seconds.

After the factory reset, these settings return to their defaults:

- Memory positions
 - Upper and lower limits
 - Minimum height display (S-5)
 - Display unit (S-1)
 - Memory position mode (S-6)
- Obstruction sensitivity (S-2)
 - Rising resistance sensitivity (S-3)
 - Lowering resistance sensitivity (S-4)
 - Duty cycle protection (S-7)
 - Tilt sensitivity (S-8) is stored in the control box and is **not** reset

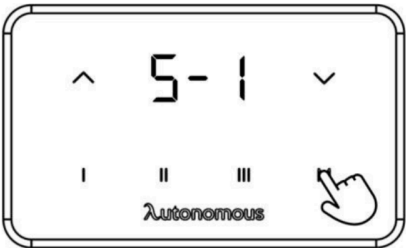
See also The S-1 to S-8 settings are explained in section 8.

8. Parameter setting

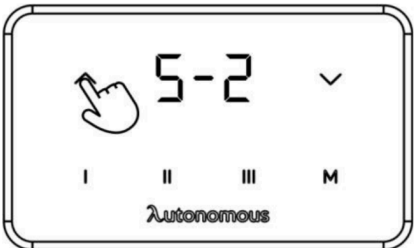
Press and hold the Settings key for 5 seconds to open the settings menu. The keypad shows "S-x" with the x flashing. The x is the parameter number.

- Press the Up or Down key to move between parameters.
- Press the Settings key to open a parameter. The current value is shown.
- Press the Up or Down key to change the value.
- Press the Settings key to confirm and return to the height display.

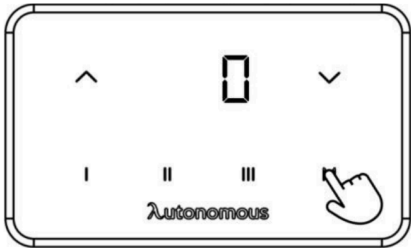
If no key is pressed for 5 seconds while setting, the original value is kept and the keypad returns to the height display.



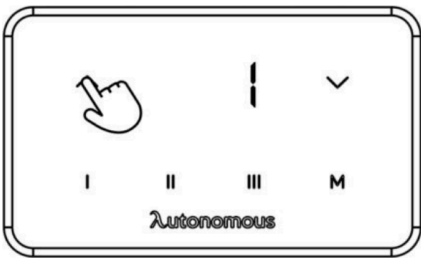
Enter menu: press and hold the Settings key for 5 seconds



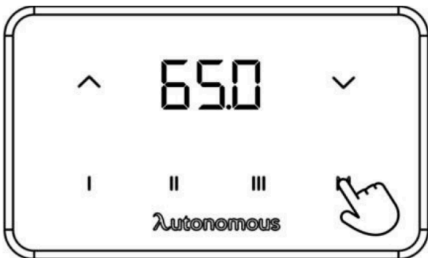
Select a parameter: press the Up or Down key



Open the parameter: press the Settings key



Change the value: press the Up or Down key



Confirm: press the Settings key

The parameters are:

	What it does	Values	See also
S-1	Display unit	0 centimeters, 1 inches	
S-2	Obstruction sensitivity. How readily the desk backs off when it hits something	0 off, 1 least sensitive, 8 most sensitive	Shown as E05 in section 11
S-3	Rising resistance sensitivity. How readily the desk stops and backs off when it meets resistance while rising	0 off, 1 least sensitive, 8 most sensitive	
S-4	Lowering resistance sensitivity. How readily the desk stops when it meets resistance while lowering	0 off, 1 least sensitive, 8 most sensitive	
S-5	Minimum height display. The height shown at the lowest position, in centimeters. While changing it, no decimal is shown and the value moves in steps of 1 cm	Set to match your desk	
S-6	Memory position mode	0 hold mode, 1 tap mode	Section 3
S-7	Duty cycle protection	0 off, temperature protection in the control box only. 1 on, the desk runs for 2 minutes then rests for 18 minutes	Shown as "Hot" in section 11
S-8	Tilt sensitivity	0 off. 1 to 8 correspond to 0.5 to 4 degrees of tilt, in steps of 0.5 degree	Shown as E08 in section 11

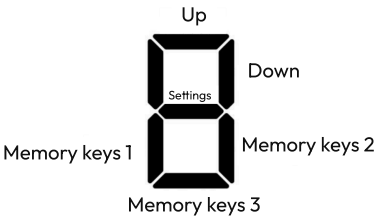
9. Screen turns off after 10 seconds

If no key is pressed for 10 seconds, the keypad screen and key backlight turn off. Press any key to wake them. This is controlled by the control box.

10. Serial port receive timeout detection

If the keypad does not receive correct data from the control box for a period of time, for example because of a loose cable, the keypad shows this fault: each time a key is released, the screen flashes 3 times. While a key is held, one segment of the display lights up. The diagram shows which segment belongs to which key. The backlight and the screen turn on and off together.

See also Check the cable between the keypad and the control box. The same fault is shown as E04 in the table below.



11. Prompt code table

Display code	Meaning	See also
Loc	Keypad locked	Section 4
RS†	Reset needed or in progress	Section 1
Hot	Duty cycle or overheat protection active	S-7, section 8
E01	Main power supply overvoltage	
E02	Height difference between the columns too large	Reset, section 1
E04	Keypad not connected properly	Section 10
E05	Obstruction detected, desk backed off	S-2 to S-4, section 8
E06	Main power supply not active	
E07	Main power supply undervoltage	
E08	Unbalance protection	S-8, section 8
E11	Motor M1 not connected (does not apply to this desk)	
E12	Motor M1 sampling channel error	
E13	Motor M1 phase wire open circuit	
E14	Motor M1 Hall signal open circuit	
E15	Motor M1 short circuit	
E16	Motor M1 stalled	
E17	Motor M1 wrong direction	
E18	Motor M1 overload	
E21	Motor M2 not connected (does not apply to this desk)	
E22	Motor M2 sampling channel error	
E23	Motor M2 phase wire open circuit	
E24	Motor M2 Hall signal open circuit	
E25	Motor M2 short circuit	
E26	Motor M2 stalled	
E27	Motor M2 wrong direction	
E28	Motor M2 overload	
E40	Serial device interruption (does not apply to this desk)	
E41	Serial signal error (does not apply to this desk)	
E42	Memory error	
E43	Sensor error	

If a code does not clear after a reset, contact support at autonomous.ai/help-center and quote the code.

Any questions?

Chat with our Customer Support team at
www.autonomous.ai/help-center

We're here to help!