

DF04.01

Operation Manual for Height-Adjustable Desk

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RELATED VIDEO

*You can check TS500050 Installation guide from this video:
<https://youtu.be/fw6YJQ6tdzo>



DF04.01 Installation 2025

*About how to use, you can see YouTube video
<https://youtu.be/gHJ6vPYDxSc>

You can also scan the QR code to check it:



TS500050 Function-New

Warranty

ABOUT TOPSKY 5 YEAR WARRANTY:

This product come with 5-year warranty from the date of purchase. Any failure/function issues from normal usage will be replaced free of charge or refund once within one year of the date of purchase. A failure is a mechanical breakdown of or defect in the unit that affects the user's ability to operate the product as intended.

WARRANTY COVERAGE:

All the parts

Not include:

Misuse or abuse of the product

Customers personal preference changed

Normal appearance

loss Parts lost by customer

TOPSKY Accessories/Replacement Part For out of Warranty Paid Service

We also offer paid service/parts and extend warranty for the part out of Warranty.

If exceed quality warranty period, or you have already performed a warranty service once during the period, and still want to be able to perform the warranty service.

If you ever have any inquiry's regarding whether or not your product is still under warranty/ how to buy extra part, paid service just search and contact TOPSKY service team or call us.

Caution



Keep children and pets away from the electric high-adjustable desk during the operation. Unplug the power cord during a thunderstorm or if you do not intend to use the desk for long time.



Make sure desktop not touch the wall.



Ensure no obstacles in the desk's path, and no any object above 20" under the desk.



Working environment temperature 0-40°C, keep products away from corrosive gas, liquid and dusty objects.



It is strictly forbidden to disassemble the products privately to avoid that the failure of the products or the damage to the human body caused by electronic products, etc.



Although the product with anti-collision function, in order to avoid any pinching, please ensure that hands or other parts of your body are in a safe position during the operation. Anti-collision is not enabled during all resets.



Please read following instruction carefully before use the high-adjustable desk. The company does not bear any warranty or liability for damage and human injury caused by any abnormal operation.



It is necessary to be reset manually after initial installation or power off.

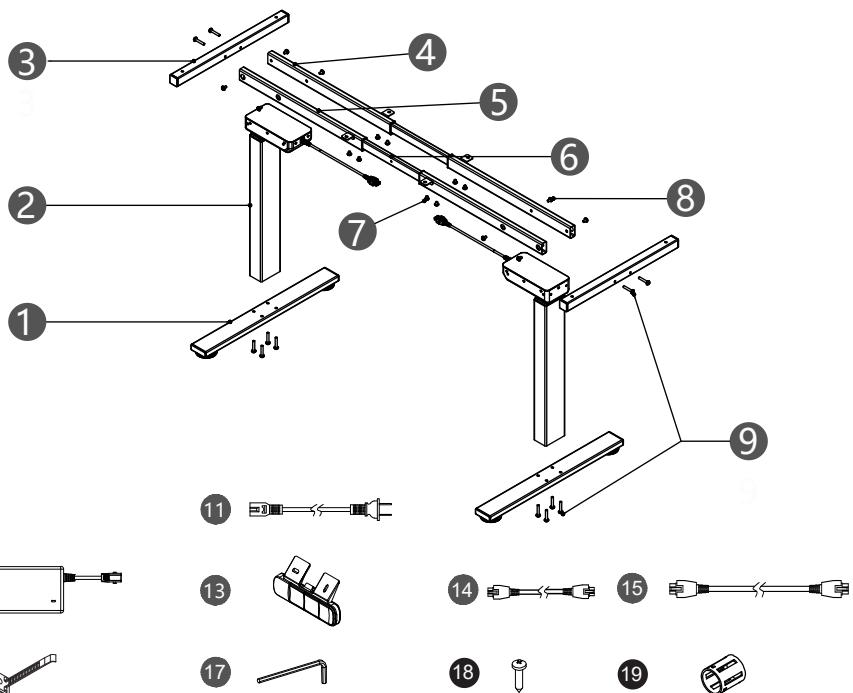
Parts list

20 min

Assembling time



Two people



No.	Part name	Qty (Pcs)
1	Foot	2
2	Column	2
3	Side bracket	2
4	Right tube	2
5	Left tube	2
6	Extension tube	2
7	M6*8 screw	8
8	M6*10 screw	8
9	M6*35 screw	12
10	ST3.5*16 screw	2

No.	Part name	Qty (Pcs)
11	Power cord	1
12	Power adapter	1
13	Controller	1
14	Short Extension cable	1
15	Extension cable	1
16	Cable clip	6
17	M5 allen key	1
18	ST4.8*16 screw	8
19	Guide Sleeve	8

Installation Instructions

Warning:

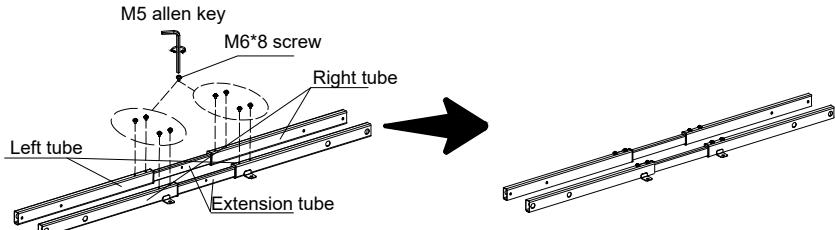
- 1. Do not use the Guide Sleeves if the frame length needed less than 1220mm.

STEP 1

- Place the right and left tubes on an even surface as shown below.
- Insert both ends of extension tube to the right and left tubes as shown below and pre-tighten the screws.

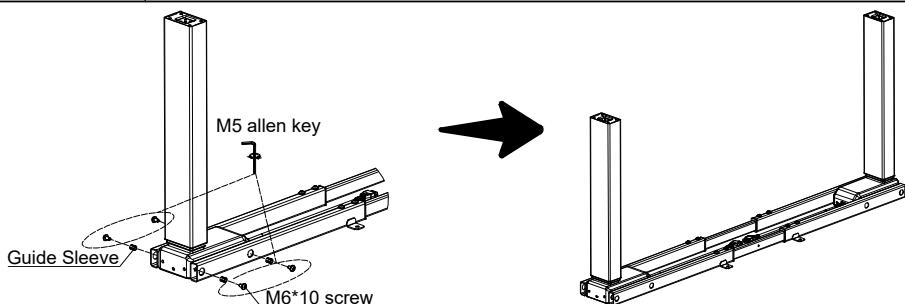


Avoid excessive tightening screws



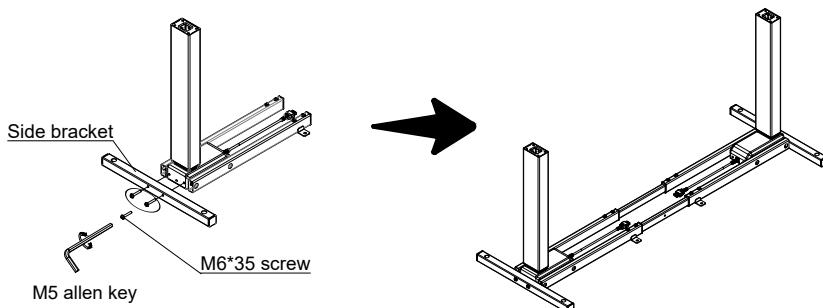
STEP 2

- Place the desk columns between the left and right tubes, make sure the screw holes on the frame and columns are aligned.
- Tighten the screws.



STEP 3

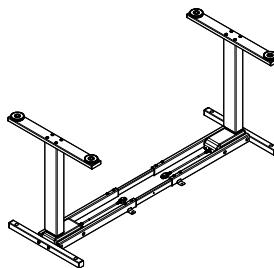
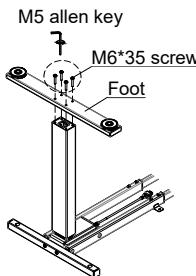
- Mount the side brackets onto each side of the columns.
- Tighten the screws.



Installation Instructions

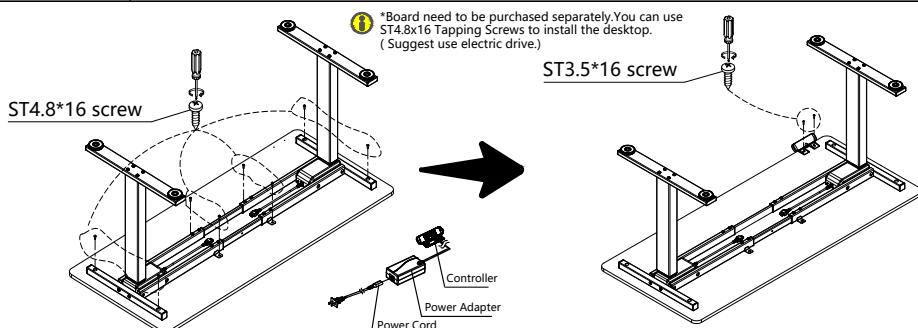
STEP 4

- Tighten the screws for desk feet and columns.



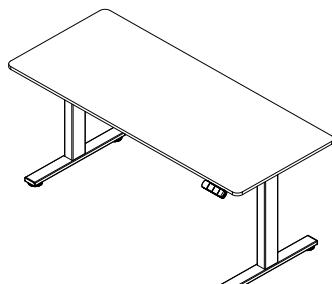
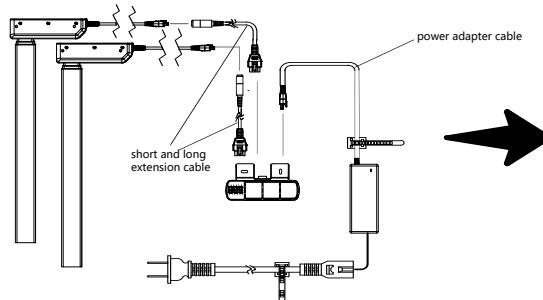
STEP 5

- Check both side of desktop before placing the base on the bottom side of the desktop.
- Fasten the frame and controller to desktop with tapping screw.
- Fasten the frame screws. And connect related parts as shown in below, including controller, extension cable and power cord.

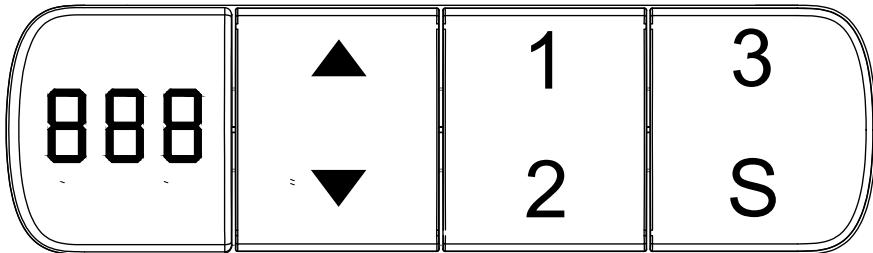


STEP 6

- Connect the long and short extension cables to the motor cables and controller.
- Connect the power adapter to the controller and the power cord respectively.
- Tidy up all the power cables, and fasten with cable clip.



Instruction



● Manual Reset

1. • Keep holding "down" key till display shows "rst" alternately and release the key.
2. • Keep holding "down" key again, the desktop will move slowly down and return back till the display shows "23.6", Sometimes it shows metric units "60".
3. • Release the key , the height-adjustable desk can be used normally.
 - i** It is necessary to be reset manually after the initial installation and power off.
 - i** Note: The Anti-Collision function is not enabled during all resets. Please note that there is a potential risk of pinching in this case, and be sure no obstacles in the desk's path.

● Up and Down

1. • Keep holding "up" key till the required height is reached.
2. • Keep holding "down" key till the required height is reached.

● Saving position

1. • Adjust the desktop to the height you want to save.
2. • Press "S" key till the display will show "S - ".
3. • Press "1" key, the display will show "S-1", wait 5 seconds, then the display will show the current height. Saving memory position succeeded.
4. • Similar procedure for "2" key and "3" key memory positions.

i By using memory function, the desktop can easily be programmed to preferred height positions.

Instruction

● Function Option

 Do not enable this function unless you are really need in some situation.

1.  • Keep holding "S" key till the display shows "U-1" and flashed.
2.  • Press "S" key again to choose different functional options.
3.  • Press "Up" or "Down" key to choose the value as required.
4.  • Keep holding "S" key for 5 seconds to save, if the save successfully, the display shows the current height.

 No operation timeout 10 seconds automatically exit the menu.

Function Option	Display	Operation
Change the displayed Unit(cm/inch)	U-1	"U-0" is the metric "CM"; "U-1" is the Imperial "IN".
Anti-Collision sensitivity of upward current detection	PC3	Range of regulation: PC0~PC5; Step size: 1; "0" is closed the Anti-Collision function; The smaller the number, the lower the sensitivity.
Anti-Collision sensitivity of downward current detection	dC3	Range of regulation: dC0~dC5; Step size: 1; "0" is closed the Anti-Collision function; The smaller the number, the lower the sensitivity.
Low Limitation Positions	23.6/60.0	Range of regulation: 23.6~49.2/60~125; Step size: 0.2inch/5mm; The setting value should be at least 4inch/10cm smaller than the maximum height setting value. Note: If Imperial "IN" display mode, the inch height will be displayed. The step size is 0.2inch
High Limitation Positions	49.2/125	Range of regulation: 23.6~49.2/60~125; Step size: 0.2inch/5mm; The setting value should be at least 4inch/10cm larger than the minimum height setting value. Note: If Imperial "IN" display mode, the inch height will be displayed. The step size is 0.2inch
Table thickness	00.0	Range of regulation: 0~30cm; Step size: 0.1cm; After setting the table thickness, the display height value is added to the table thickness value. Note: If Imperial "IN" display mode, the inch height will be displayed. The step size is 0.2inch

● Reset to factory setting

 With this function, you can make the control unit to factory setting.

1.  • Keep holding "S" key till the display shows "U-1" and flashed.
2.  • Press "S" key again to choose "FAC" options.
3.  • Keep holding "S" key for 5 seconds to save, if the save successfully, the display shows the progress bar "||||| " and "SUS". Then the display shows the current height.
And the control unit restore to factory setting
(including memory position, high and low limitation positions, etc).

● Energy-saving Mode

1. • If no operation is performed on the key within 15 seconds, the energy saving mode is entered. The manual display is turned off and the controller enters low power consumption. Press any key to exit the energy saving mode

Code meaning and Trouble shooting

Code	Information	Operating
EC0	Abnormal power supply voltage (voltage lower than 24V or higher than 35V)	Replace the power supply
E-2	Anti-Collision function	It can be used normally after removing the obstacle
hot	Operated continuously 2min without suitable rest	Wait 18 minutes
E-3	Motor cable is not connected	Check the cables and ensure they are well connected
E-4	The height between two legs exceed 20mm	Stop the operation and reset, refer to Manual reset
over	Motor stalling or Overloading	Remove the load on desktop till it less than 1330N / 136KG / 300LBS for further operation
E22	The power supply voltage is less than 17V	The load is too large, causing the power supply voltage to be pulled down. Reducing the load, and reset, refer to Manual reset

Technical Data

【Technical Data】

Item	Data
Input voltage	100~240VAC
output voltage	29VDC
Max loading	1330N / 136KG / 300LBS
Height range (without desktop)	600~1250mm (23.6"~49.2")
Duty cycle	2 min on/ 18 min off

