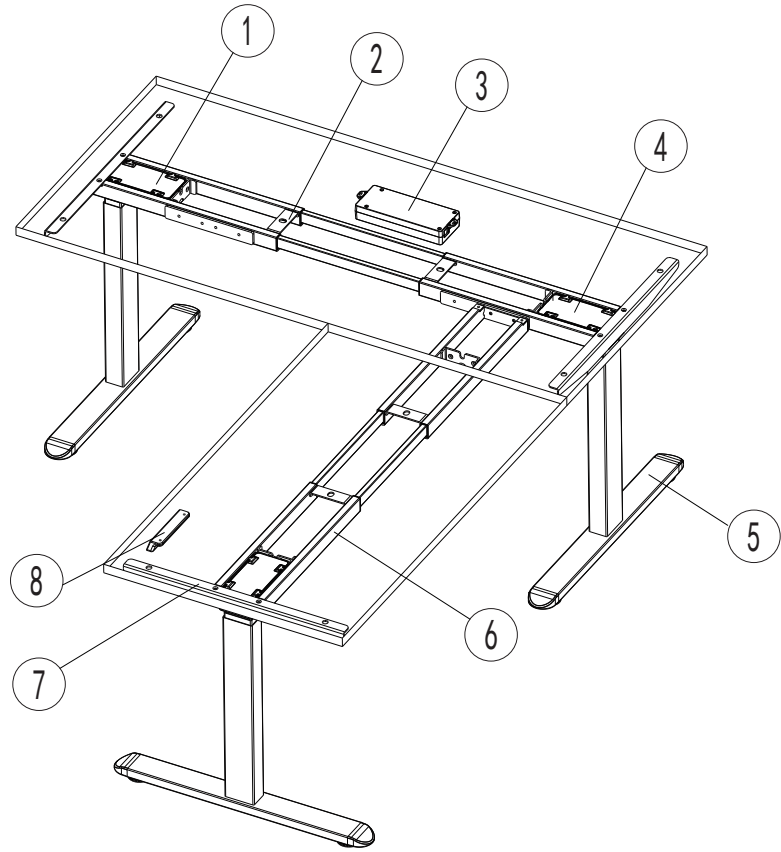


# Parts List

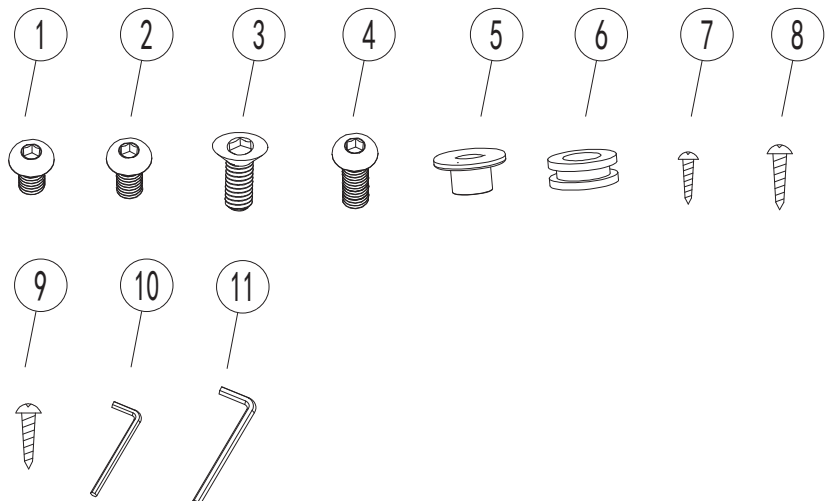
## Parts List

| No. | Name           | Qty |
|-----|----------------|-----|
| 1   | Electric Leg A | 1   |
| 2   | Main Beam      | 1   |
| 3   | Control Box    | 1   |
| 4   | Electric Leg B | 2   |
| 5   | Feet           | 3   |
| 6   | Sub-beam       | 1   |
| 7   | Bracket        | 3   |
| 8   | Handset        | 1   |
|     |                |     |
|     |                |     |
|     |                |     |



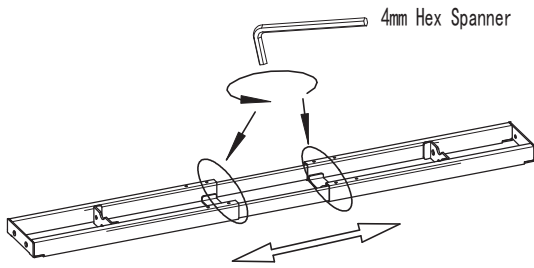
## Screw Bag

| No. | Name            | Qty |
|-----|-----------------|-----|
| 1   | M6*8 Screw      | 2   |
| 2   | M6*10 Screw     | 8   |
| 3   | M6*12 Screw     | 18  |
| 4   | M6*40 Screw     | 12  |
| 5   | Plastic Plug    | 10  |
| 6   | Rubber Cushion  | 10  |
| 7   | ST3.5*19 Screw  | 2   |
| 8   | ST4.8*19 Screw  | 2   |
| 9   | ST4.8*25 Screw  | 10  |
| 10  | 4mm Hex Spanner | 1   |
| 11  | 5mm Hex Spanner | 1   |
|     |                 |     |

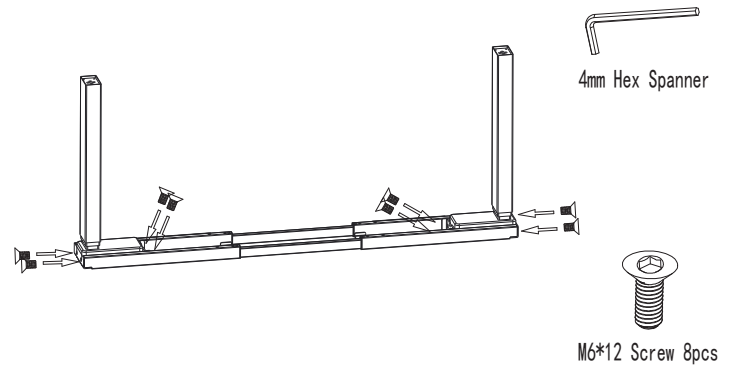


# Assembly Instructions

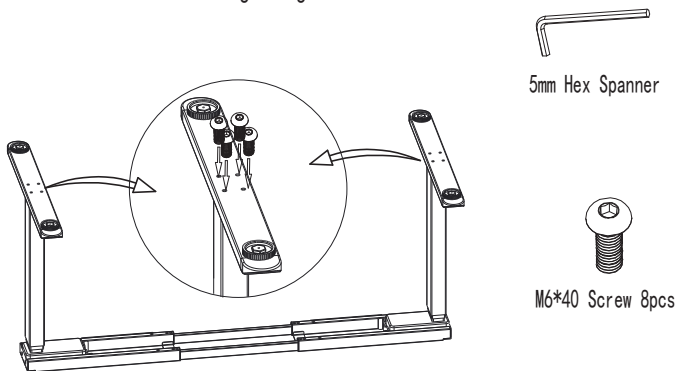
- 1 Loosen the M6\*10 screws on the main beam with 4mm hex spanner, then adjust the length of the beam according to the desktop, and finally secure the beam using 4 of M6\*10 screws from the screw pack along with the screws on the beam.



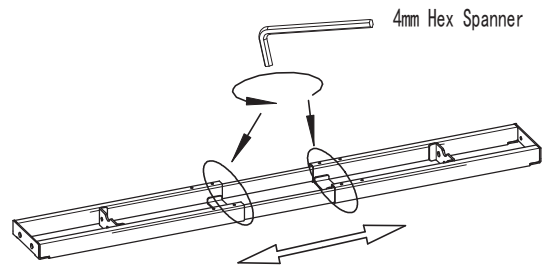
- 2 Attach the electric legs to the beam using 8 of M6\*12 screws.



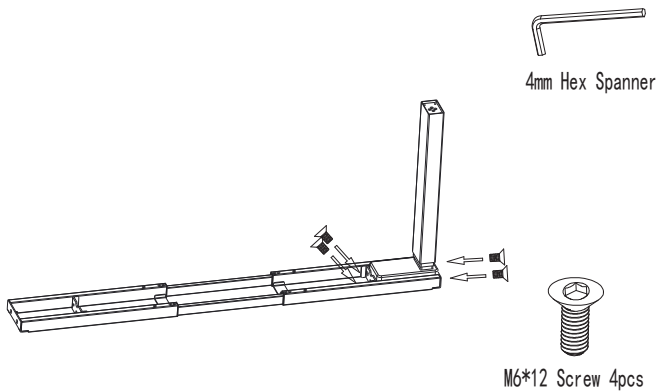
- 3 Attach the feet to the electric legs using 8 of M6\*40 screws.



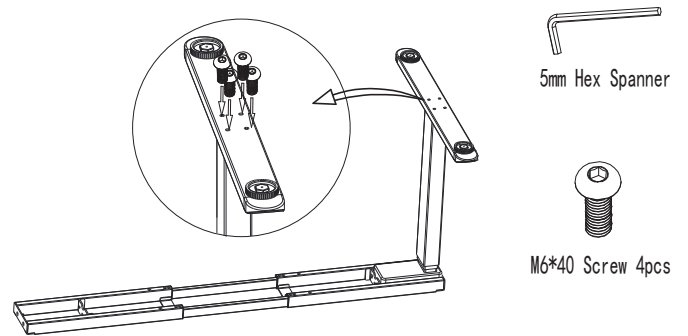
- 4 Loosen the M6\*10 screws on the sub-beam with 4mm hex spanner, then adjust the length of the beam according to the desktop, and finally secure the beam using 4 of M6\*10 screws from the screw pack along with the screws on the sub-beam.



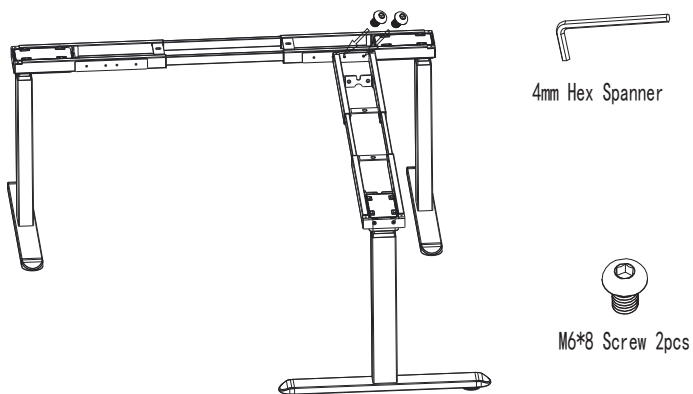
- 5 Attach the electric leg to the sub-beam using 4 of M6\*12 screws.



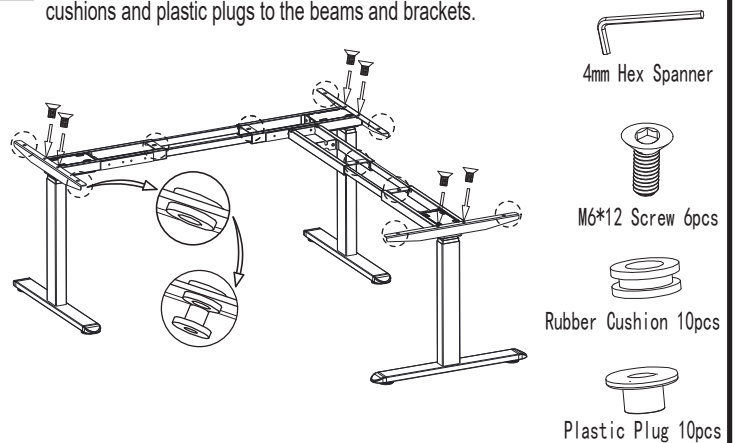
- 6 Attach the feet to the electric leg using 4 of M6\*40 screws.



- 7 Attach the sub-beam to the main beam using 2 of M6\*8 screws.



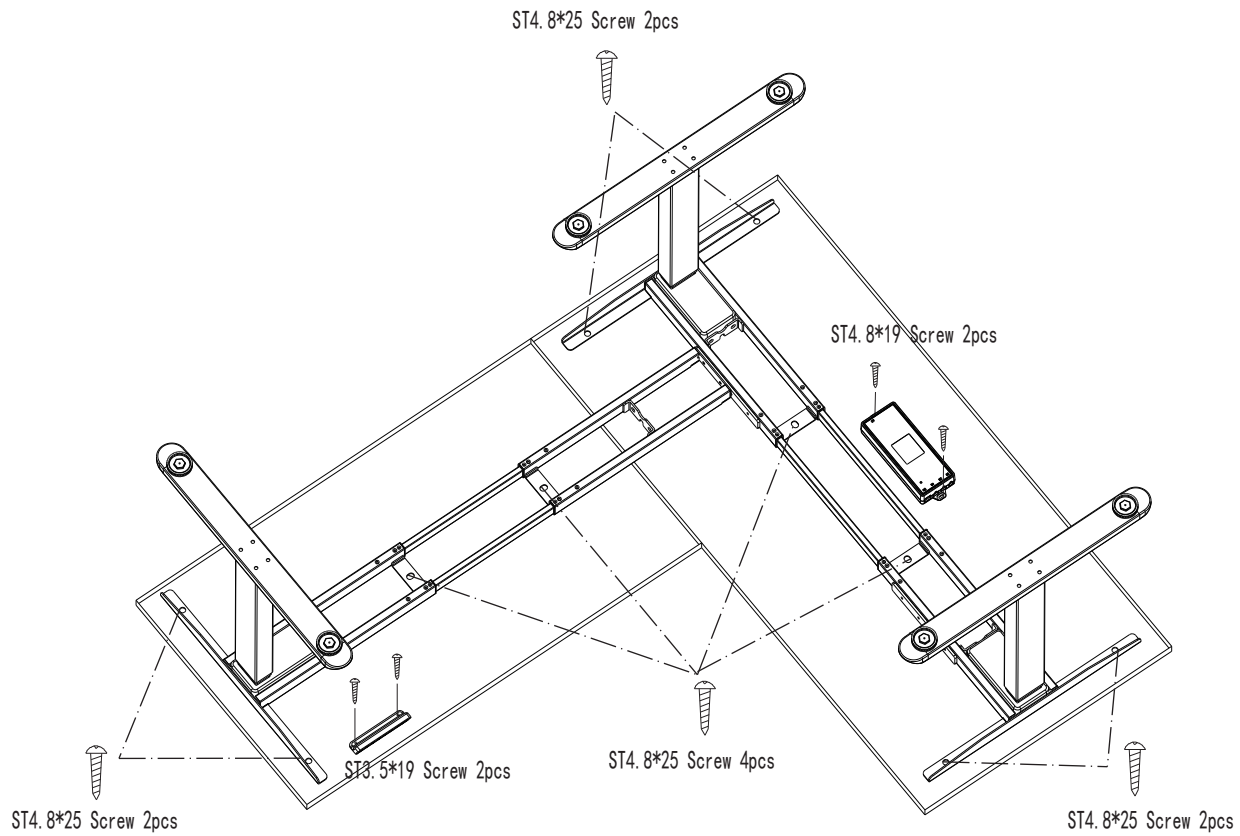
- 8 Attach the brackets to beams using 6 of M6\*12 screws, and then fit the rubber cushions and plastic plugs to the beams and brackets.



# Assembly Instructions

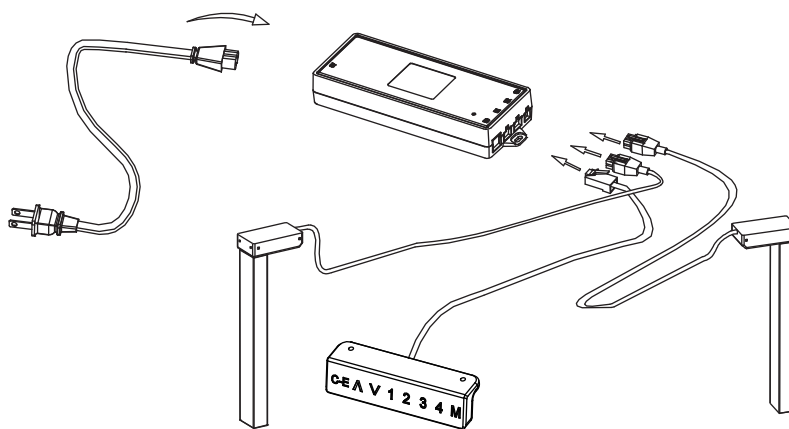
9

Attach the desk frame to below desktop using 10 of ST4.8\*25 screws, then attach the control box to below desktop using 2 of ST4.8\*19 screws, at last attach the handset to below desktop using 2 of ST3.5\*19 screws.



10

Connect the the electric leg cables, handset cable, and power cord to the control box.



# ASCEND ALPHA/OMEGA Handset Operation Manual

---



## 1. Handset Interface

- ▶ UP
- ▶ DOWN
- ▶ Setting Button M
- ▶ Height Memory Button 1
- ▶ Height Memory Button 2
- ▶ Height Memory Button 3
- ▶ Height Memory Button 4

## 2. Initialization Operation

- ▶ When the system is abnormal, or the handset displays "RST", it is necessary to initialize the standing desk. The initialization operation is to press and hold <↓> until the frame has reached the lowest position; Then press and hold <↓> for 5 seconds until you hear a beep.

## 3. Operation of the Desk

- ▶ Press <↑> to move the desk up until it reaches the highest position.
- ▶ Press <↓> to move the desk down until it reaches the lowest position.
- ▶ Press <↑> or <↓> in short desk runs a small distance.

## 4. The Memory Function

- ▶ This handset can store n memory points. Move the desk up or down to the desired position; Press <M> in short until the display shows "S-", and "-" flashes, then press <1> to save position 1; Repeat the procedure to save the other positions.

## 5.Upper and Lower Limit Settings

▶ The system supports the height limit of the desk. The operation method is, press and hold the <↑>&<↓> at the same time for 5 seconds at the corresponding height until hear the buzzer, indicating the limit position is stored successfully. When the desk is in the upper half of the stroke, the limit is the highest position. When in the lower half of the table stroke, the limit is the lowest position.

▶ Cancel height limit

Method 1: Reset the system, the high and low limit will be cancelled.

Method 2: Run the desk to the limit high or low point, press and hold the <↑>&<↓> for 5 seconds at the same time until hear the buzzer, indicating that the limit position is canceled successfully.

## 6.Lock and Unlock

▶ Lock: Press and hold <M>&<↑> together for 5 seconds, when the digital display shows "Loc", it means the system has been locked, and the desk cannot be raised or lowered.

▶ Unlock: Press and hold <M>&<↓> together for 5 seconds, when the digital display shows from "Loc" to normal digital, it means the system has been unlocked.

## 7.Reset

▶ When the system is replaced with a new leg, or the parameters need to be restored to the factory settings, press and hold <↑>&<↓> for 10 seconds at the same time to hear a long buzzer, and the parameters are restored to the factory settings and forced to initialize.

## 8.Timing Setting

▶ Press <1>&<3> at the same time, the handset displays 0.0h during the initial setting, then press <↑>or<↓> to adjust the timing, with 0.5 hours as a change, and automatically exit after 2 seconds. At this time, a decimal point will flash after the handset is turned off, indicating that there is a timing running. When the timing is reached, the buzzer will beep 5 times and the handset will wake up automatically.

## 9. Internal Parameters

► Long press <M> for 15 seconds, handset display shows "S-x", and "x" flashes ("x" is the parameter group). At this time, press <M> to enter the parameter group to set the corresponding parameters, and press <↑> or <↓> to switch the parameter group. After setting successfully, press <M> to return to the running interface.

The parameters that can be set are as follows:

a、"S-1" CM or INCH

Use <↑> or <↓> to select 1 or 0; ( 0 = CM & 1 = INCH )

To save, press <S/M> again.

b、"S-2" Adjust anti-collision sensor sensitivity

0: means off, 1: is the least sensitive and 8: is the most sensitive.

## 10. Error Code

| Error Code | Possible Cause  | Action  |
|------------|---|---|
| E01        | The main supply voltage over 45V.                             | Check the main power.   |
| E02        | Rod height difference between the two legs is more than 1 cm. | Initialize the frame.<br>Reset the operation.                       |
| E04        | Handset connection or communication error occurred.           | Check the power cable of handset.                                   |
| E05        | The sensor encounters an obstacle and stops functioning.      | Release the button and restart.                                     |
| E06        | The main power supply failed to start, below 20V.             | Change the main power supply, or check the main power supply cable. |
| E07        | Protection when the main power supply is running, below 20V.  | Reconnect power.<br>Power on reset.                                 |
| E08        | Frame tilts when running.                                     | Initialize the frame. Reset the operation.                          |

| Error Code | Possible Cause  | Action  |
|------------|---|---|
| HOT        | Temperature of motor is high or running time exceeds 2 mins within 18 mins. | Wait for motor to cool.<br>Let system rest for at least 18 mins.            |
| E11        | The Motor 1 is not connected.   | Check power cable of motor.   |
| E12        | Error in the Motor 1 current sampling channel.                              | Change the control box.   |
| E13        | The Motor 1 is out of phase and has phase line disconnection.               | Check the motor to determine whether the phase line connection is abnormal. |
| E14        | The Motor 1 Hall sensor error, or Hall wire disconnected.                   | Check the Hall signal, or change the power cable of motor.                  |
| E15        | Short-Circuit inside the Motor 1.   | Change the motor.   |
| E16        | Locked-Rotor inside the Motor 1.  | Initialize the frame. Reset the operation.                                  |
| E17        | The Motor 1 runs in the wrong direction.                                    | Change the motor wire or Hall wire.   |
| E18        | Weight on Motor 1 is over the limit.  | Reduce the weight by removing items.  |
| E21        | The Motor 2 is not connected.   | Check power cable of motor.   |
| E22        | Error in the Motor 2 current sampling channel.                              | Change the control box.   |
| E23        | The Motor 2 is out of phase and has phase line disconnection.               | Check the motor to determine whether the phase line connection is abnormal. |
| E24        | The Motor 2 Hall sensor error, or Hall wire disconnected.                   | Check the Hall signal, or change the power cable of motor.                  |
| E25        | Short-Circuit inside the Motor 2.   | Change the motor.   |
| E26        | Locked-Rotor inside the Motor 2.  | Initialize the frame. Reset the operation.                                  |
| E27        | The Motor 2 runs in the wrong direction.                                    | Change the motor wire or Hall wire.   |
| E28        | Weight on Motor 2 is over the limit.  | Reduce the weight by removing items.  |
| E40        | The control box is disconnected in series.                                  | Check the connection wires.   |
| E41        | Error in the serial signal.   | Check the connection wires, or change the control box.                      |
| E42        | Eeprom error.   | Change the control box.   |
| E43        | Error in Anti-Collision Sensor.   | Change the control box.   |