# Controlling System Manual Instruction

Stroke Reset

In the condition of "E10, E20 and E60" or basic position mode, long press ⬇ 3 seconds, loosen it until it shows ⌐E5, the desk runs to the bottom and rebounds to certain height, reset finishes and shows lowest position height.

Lifting

The desk will go up and down when pressing ⬆ or ⬇.

Position memory and invoking

- press "M" and loosen it, height interafce blinks, then press ❶ it will shows "1", loosen it to save the current height to memory position 1 at last
- the operation to memorize memory position 2, 3, 4 is the same as memory position 1
- it will stop blingking and exit memory mode if there is no numeric key pressed within 6 seconds
- press memory ❶, ❷, ❸ or ❹) to invoke its corresponding height, and the desk will run to the position you invoked automatically

Setup Mode

- press "M" 3 seconds, handle shows "S--" and blinks
- loosen "M" and press again to enter setup mode, it will display the function name, the function can be listed as the followings:
  1. Unit of the height dispalyed on the screen Un
  2. Brightness of the br
  3. On-off state of the beep bEE
  4. Force of the collision protection CF
  5. Settings of the gyro sensor supporting the anti-collision system SLP
  6. Setting of the use height limitation SH
  7. Serial Number of product Sn
  8. Setting of the demonstration dE

The function of each key in the setting mode:

❶ Backspace key (back to previous menu)

⬆⬇ Tab switch

"M" Enter key (enter to next menu or confirm the current operation)

It will exit setting mode if there is no numeric key pressed within 20 seconds.

Protection and warning

Block protection: when it displays "E02", it alarms when desktop in vibration, collision and tilt, auto-clear the alarm after rebounding or press any key to clear the alarm during rebounding. You should check and ensure that the desk won't operate in large amplitude vibration, barrier or tilt condition, then try to run again.

Overheat protection: when it displays "Hot", this protection may be launched after running for a long time, you should wait for at least 18 minutes in order to use it again.

Motor fault protection: when it displays "E10", you should check and ensure that the connection between motor and controller is reliable, then power it off and power it on again or press reset to clear it.

Overload protection: when it displays "E20", you should remove some objects on the desktop when it occurs during the rise phase; or if it occurs during the decline phase, power it off and power it on again or press reset to clear it.

Undervoltage protection: when it displays "E31", it alarms when the supply voltage is lower than limit value, you should power it off and power it on again to clear it. Otherwise, it can be auto-cleared after voltage goes to set value.

Overvoltage protection: when it displays "E32", it alarms when the supply voltage is higher than limit value, you should power it off and power it on again to clear it. Otherwise, it can be auto-cleared after voltage goes to set value.

Out-of-step protection: when it displays "E60", you should check and make sure the motors ofeach channel are identical and their connection to controller is reliable, then press reset to clear it.

Main menu interface	Submenu interface	Description	
⊔⊓ Unit	5I SI Metric	The interface displays last height unit setting after entering. Use ▲ or ▼ to choose the height unit, and press "M" to confirm and save it. The system will exit after 2 seconds.	
	I⊓ Inch		
br Brightness	L Low	The interface displayslast handle brightness setting after entering. Use ▲ or ▼ to choose the brightnesslevel, and press "M" to confirm and save it. The system will exit after 2 seconds.	
	⊓ Normal		
	H High		
bEE Beep	OFF Off	The interface displays last buzzer setting after entering. Use ▲ or ▼ to choose the buzzer condition, and press "M" to confirm and save it. The system will exit after 2 seconds.	
	O⊓ On		
CF Collision Force	OFF Off	The interface displays last collision force after entering. Use ▲or▼ to choose the force condition, and press "M" to confirm and save it. The system will exit after 2 seconds.	
	L Light		
	⊓ Normal		
	H Heavy		
SLP Sesnor gyro - supporting the anti-collision system NOTE: the function is available in new drivers - older versions may not have it	OFF Off	The display shows the current sensor setting. Use ▲or▼ to choose the force condition, and press "M" to confirm and save it. The system will exit after 2 seconds.	
	L High sensitivity		
	⊓ Normal sensitivity		
	H Low sensitivity		
SH Set Height	O Original①②	Use ▲ or ▼ to choose the type of height after entering, and press "M" to confirm and enter corresponding setting interface.	The interface displays last original height setting after entering. Use ▲ or ▼ to adjust the setting, and press "M" to confirm and save it.
	L Low①③	The interface displays last lowest limit setting after entering. Use ▲ or ▼ to adjust the setting, and press "M" to confirm and save it.	
	H High①③	The interface displays last highest limit setting after entering. Use ▲ or ▼ to adjust the setting, and press "M" to confirm and save it.	
S⊓ Serial Number		The interface alternately displays the customer number and the production date for 20 seconds after entering.	
dE Demo It displays PH_ (Password) enter your password to continue later operating. (password: 11111)	OFF Off	The interface displays last demo mode setting after entering. Use ▲ or ▼ to choose demo mode, and press "M" to confirm and save it. The system switches to height display interface or demo mode interface. Press ▲ to start-up and press ▼ to stop in demo mode.	
	5I 2min On,18min Off		
	52 4min / cycle		
	53 6min / cycle		
	54 10min / cycle		

Note:

① Adjustment resolution is 1 cm or 0.5 inch.

② Original height refers to the position after reset, it can be adjusted between -20cm and +20cm (or -8inch and +8inch).

③ The highest limit set shall be 20 cm or 8 inch larger than lowest limit.