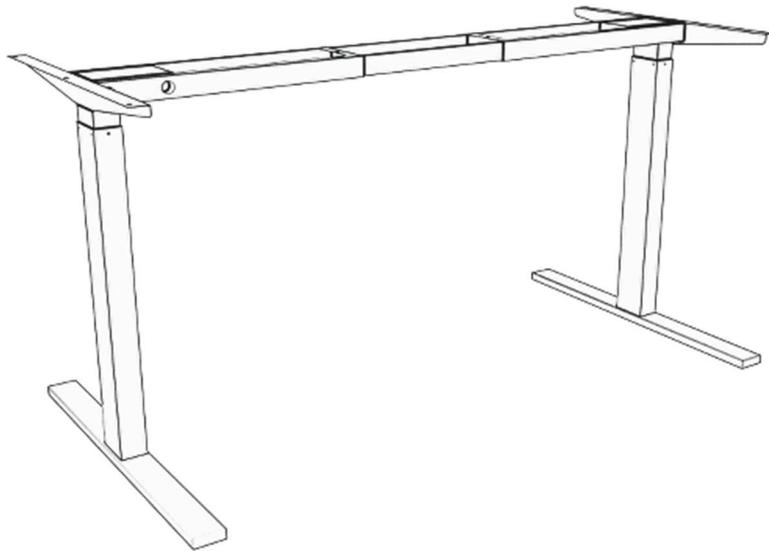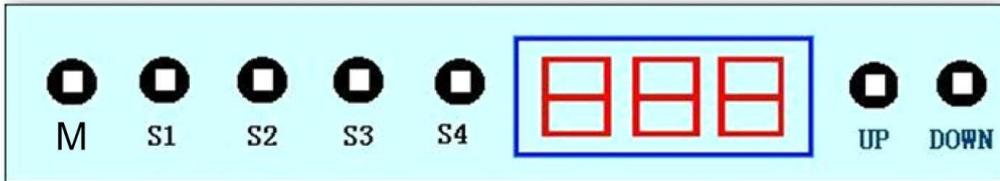# StudioDesk

Electric platform

- Operating instructions
- Troubleshooting table

1. The interface

The key instructions:
➢ M key - SET
➢ Memory slot 1
➢ Memory slot 2
➢ Memory slot 3
➢ Memory slot 4
➢ UP
➢ DOWN

2. RESET Initialization Operation

➢ When the system behaves abnormally, or hand controller display the "RST", you need to reset the Electronic. Reset is performed by pressing and holding the "DOWN" button, until the motor stopped. After 5 second, system goes to initialization mode automatically. During initialization the "DOWN" button may be released. If you accidentally release "DOWN" button during the reset, system initialization will stop. When Initialization is complete, the buzzer will prompt, said initial success.

3. Up Down Operation

➢ When press the "UP" button, the desktop run upward, until reach the highest point of the desktop.
➢ When press "DOWN" button, desktop run DOWN, until you reach the lowest desktop.
➢ When short press "UP" or "DOWN" button, desktop to run a small distance.

4. Store Position and Memory run

➢ The hand controller can store to 4 points, the storage method is as follows, when running to a specific point, press "M" button, the digital tube display "S -", "-" flash at the same time, press "1-4" at this time, store location to the corresponding memory.
➢ If you want to set height on memory position, click on the storage location button, the digital display will show height of the memory position. Motors will automatically run towards stored position and stop the system when reach it.

5. The minimum limit set

➢ System supports desktop minimum height limit setting in cm. To set minimum height, set your desk to the desired height and press the "Set" and "DOWN" button for 5 seconds, the buzzer sound can be heard at this time. The location of the minimum height is stored.
To set highest height for the desktop height, set your desk to the desired maximum height and Press the "Set" and "UP" button for 5 seconds. Buzzer sound can be heard at this time. The location of the maximum height is stored.
Cancel storage minimum height limit method 1: Reset the system, system low will be cancelled. Method 2: allow the desktop to run low/high, at the same time Press the "Set" and "DOWN" /"UP"button for 5 seconds. After 5 seconds the buzzer sound will, notify that set position is canceled.

6. Lock and Unlock the desktop

➢ Lock: at the same time press the "DOWN" + "UP" for 5 seconds, when the digital tube display "-", said the system has been locked, can't make a lift to the system operation.

➢ Unlock: at the same time Press the "DOWN" and "UP" for 5 seconds, when the digital tube from the "-" shows to the normal digital display, the said system has been unlocked.

7. Automatic test

➢ Specific hand controller, support system to run 2 minutes and stop for 18 minutes to cool down. Automatic test will perform motors to lift and lower the desk in between two stored locations S1 to S2 for 2 minutes, then stop 18 minutes, the infinite loop.

Mode of operation: At the same time Press the "UP", "DOWN" and "M" button for 2 seconds, the digital tube display all the decimal point, said automatic test pattern, exit the automatic mode for the same at the same time hold the "UP", "DOWN" and "M" button for 2 seconds.

Troubleshooting table - Error Codes and their meaning

Error code	Meaning	What to do?	
E1	Main power is too high	Check the main power	
E2	Screw clearance over 1cm	Initialization – reset the system	
E3	Hand Controller no connect	Waiting for the system sleep	
E4	Hand Controller communication error	Check hand controller line	
E5	Blocked off Stop	Release the button, remove obstacle, rerun.	
E6	Main power start error	Change controller box	
E7	Main power run protect	Reconnect controller power	
E8	The table tilt when it is running	Initialization – reset the system	
E9	Main power High temperature protect	Let motor Cool off for 18 minutes	
E11	Motor1 no connection	Check motor line	
E12	Motor1 Current sampling error	Change controller box	
E13	Motor1 loose phase line	Check motor line	
E14	Motor1 Hall error	Check the hall or hall line	
E15	Motor1 phase short	Change motor	
E16	Motor1 blocked	Initialization – reset the system	
E17	Motor1 direction error	Lines to change - motor or hall	
E18	Motor1 overload	Reduce the load on the desk	
E21	Motor2 no connection	Check motor line	
E22	Motor2 Current sampling error	Change controller box	
E23	Motor2 loose phase line	Check motor line	
E24	Motor2 Hall error	Check the hall or hall line	
E25	Motor2 phase short	Change the motor	
E26	Motor2 blocked	Initialization -reset the system	
E27	Motor2 direction error	Lines to change the motor or hall	
E28	Motor2 overload	Reduce the load on the desk	
E40	Tandem line drops	Check the tandem line	
E41	Tandem signal error	Check the tandem line or change box	
E42	e-prom error	change box	
E43	Gyro-sensor error	change box	
LOC	Desk is locked	Press DOWN and UP for 5 seconds to unlock	
Ast	Asymmetric operation detected	Press Down button for 10 second to reset	
ERR	Undefined error	Press Down button for 10 second to reset	