



Motion

Plug & Play Portable LED Video Wall System

2026

1. Initial Power-On:

Connect the controller to a power source (100-240 VAC) as specified on the controller's nameplate. Upon connection, the controller will beep once, and the hand controller display will show the current height. If this displayed height does not match the actual height of the lifting legs or has changed due to reassembly, a reset operation is necessary. Otherwise, the product is ready for use with factory settings.

2. Reset Operation:

Press and hold the "▽" button for 5 seconds until the lifting legs stop. The display will show "rst," indicating that the reset has begun. Keep holding the "▽" button as the lifting legs slowly descend to the lowest position. Once the legs reach the bottom and slightly rebound by 1 cm, release the "▽" button to complete the reset.

- **Note:** If an emergency occurs during the reset, release the "▽" button to stop the process. If reset is incomplete, repeat the procedure until it is successful, as other functions will be locked until a successful reset.

3. Upward Movement:

Press and hold the "△" button to raise the lifting table. Release the button to stop the movement.

4. Downward Movement:

Press and hold the "▽" button to lower the lifting table. Release the button to stop the movement.

5. Memory Position Setup:

When the lifting legs are stationary, press the "M" button. The display will show "S-". Then press "  ", "  ", "  ". The current height position will be saved to the corresponding key.

- **Memory Note:** The controller can save up to 3 height positions. These settings are retained even during a power outage. To use a memorized position, press the corresponding memory button "  ", "  ", "  ", and the table will automatically adjust to the saved height. Press any button to stop the movement if needed.

6. Child Lock:

To lock the system, press and hold the "Δ" and "∇" buttons together for 5 seconds. The display will show "LOC," indicating that the system is locked and cannot be raised or lowered. To unlock, press and hold "Δ" and "∇" again for 5 seconds. When the display changes from "LOC" and returns to the normal digital display, it means that the system has been unlocked.

7. Sedentary Reminder:

Each time the "  " key is pressed, the digital tube display increases by 0.5 hours, up to a maximum of 2 hours. After the display flashes for 4 seconds, the timer light turns on and the timer is set successfully. The countdown of the current time begins. When the timer time is reached, the buzzer will beep 5 times and automatically exits the timer.

8. Menu Options:

To access the menu, press and hold the "M" button for 5 seconds. The menu options will start to flash. Available 7 options include - 1. minimum height setting, 2. maximum height setting, 3. table height adjustment, 4. obstacle protection 5. current drop sensitivity setting, 6. tilt sensor sensitivity, and 7. display unit settings.

- Short press the "M" button to scroll through menu options, and short press the "△" and "▽" buttons to change the menu content. When setting the minimum or maximum height, long press the "△" or "▽" buttons to quickly change the menu content.

- Press and hold the "M" button to save changes. A progress bar will appear, and when it reaches the bottom, the settings will be saved. "SUS" indicates a successful save, while "FAL" indicates a failure.

- If there is no activity for 10 seconds, the menu mode will automatically exit.

9. Energy Saving Mode

If no buttons are pressed within 1 minute, the controller will automatically enter energy saving mode. In this mode, the hand control display turns off, and the controller operates at a low power level. To exit energy-saving mode, simply press any button.

Menu Options	Display	Remarks
Minimum height setting	63~119	Setting range: 63cm~119cm, step length 1cm At the same time, the setting value should be at least 10 cm smaller than the maximum height setting value
Maximum altitude setting	73~129	Setting range: 73cm~129cm, step length 1cm At the same time, the setting value should be at least 10 cm larger than the minimum height setting value
Table thickness setting	0~30	Setting range: 0 cm~30 cm Step length 1cm
Protection against obstacles with rising current Sensitivity setting	PC0~PC5	Setting range: 0~5 0: Off; 1~5: The larger the number, the higher the sensitivity
Protection against obstacles with current drop Sensitivity setting	DC0~DC5	Setting Range :0~5 0: Off; 1~5: The larger the number, the higher the sensitivity
Tilt sensor Sensitivity setting	SS0~SS5	Setting Range :0~5 0: Off; 1~5: The larger the number, the higher the sensitivity
Display Units Settings	U-0	Metric units (cm)
	U-1	Imperial units (inch)

Fault	Code	Treatment
Self-test failed- abnormal standby current	SC0	Restart the power supply. If the alarm persists, replace the driver board.
Self-test failed - main power supply abnormality	SC1	Restart the power supply. If the alarm persists, replace the driver board.
Self-test failed - memory abnormality	SC2	Restart the power supply. If the alarm persists, replace the driver board.
Self-test failed - sensor abnormality	SC3	Restart the power supply. If the alarm persists, replace the driver board.
Desktop tilt alarm	R-2	The desktop tilt alarm will occur and the machine will stop after moving 5cm in the opposite direction. After the alarm is restored, the actual height of the desktop will be displayed.
Synchronization failed	R-3	Reset operation is required to eliminate the fault code
Synchronization failed	HOT	The system automatically enters protection mode when it overheats and will recover 18 minutes after the alarm is triggered.
Communication failure	R-5	If there is a communication failure alarm between the hand controller and the driver, check the connection to ensure it is secure and functioning properly.
Abnormal voltage	R-6	For self-recovery: if failures occur frequently, replace the main power supply.
Abnormal voltage	RST	Continue to reset the display
Driver circuit short circuit	EX0	Restart the power supply. If the alarm persists, replace the driver board.
Overload	EX1	Reduce the load and the alarm will be automatically cancelled after 20 seconds.
Motor phase loss	EX2	Check whether the motor phase wires are connected properly.
Abnormal running direction	EX3	Check whether the sequence of motor line and Hall line is correct.
Collision protection alarm	EX4	After moving 5cm in the opposite direction, it stops and the alarm code is automatically cancelled.

Fault	Code	Treatment
Motor stall alarm	EX5	Check whether the lifting leg transmission mechanism is stuck.
Motor wire not connected	EX6	Check whether the motor cable is connected to the driver.
Mechanical failure	EX7	Check whether the lifting leg structure or motor turbine is damaged

- **Note:** X represents the table leg number 1, 2, 3...

Statement

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Official website

www.pensarled.com

Technical support

info@pensarled.com