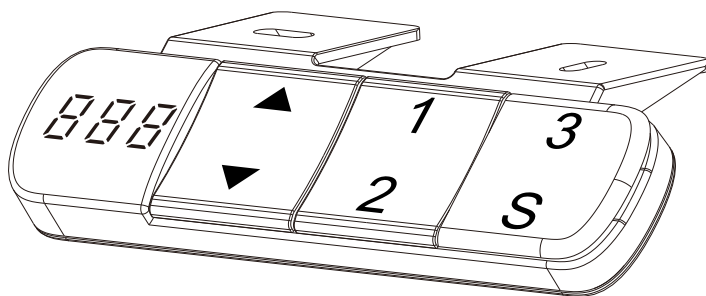


Neomounts®

USER MANUAL & TROUBLESHOOTING



FL55-885BL1/WH1

WL55-885BL1/WH1

Digital control panel operating guide

1. Before You Start

The control panel uses button labels and display codes. The same labels are used throughout this manual.

Label	Meaning
	Raises the mount or moves upward through a setting menu
	Lowers the mount or moves downward through a setting menu
	Memory position keys for stored heights
	Settings/save key
	Shows status, height values, menu codes, and error codes

Instruction term	Meaning
Press	Press and release the key once
Press repeatedly	Press and release the key until the specified display appears
Press and hold	Keep the key pressed until the specified display or movement occurs
Display alternates	The display switches between a code and the current value



Warning: Keep hands, cables, and obstacles clear while the mount is moving. Stop operation immediately if only one motorized leg responds, then unplug the unit and contact your local Neomounts sales representative.

Display values: Values from **000** to **100** correspond to the extension of the motorized legs. The selected unit setting determines whether the value is shown in centimeters or inches.

2. Standard Operation

2.1. Unlock the Control Panel

Step	Action	Result	Display
1	Connect the power	The display lights up and shows LOC	
2	Press and hold  and S at the same time, for 5 seconds	The display changes to 000 or the previously set value	
3	Release both keys	The control panel is unlocked	

2.2. Manual Height Adjustment

Note: The child lock is automatically reactivated after 10 seconds.

Step	Action	Result	Display
1	Press and hold  to raise the mount	Release  when the required height is reached. The display shows the set value	
2	Press and hold  to lower the mount	Release  when the required height is reached. The display shows the set value	

Note: During movement, the display shows a value between 000 and 100, representing the extension of the motorized legs.

2.3. Automatic Height Adjustment

Step	Action	Result	Display
1	Press memory key 1 , 2 , or 3	The mount moves automatically to the programmed position. The display counts towards the stored height value	
2	Keep the area around the mount clear while it moves	Movement stops when the programmed position is reached. The display shows the stored height value	
3	Press  or  to stop the automatic height adjustment	Movement stops immediately	

3. Memory Settings

Use memory settings to save frequently used height positions. Repeat the procedure for each memory key you want to program. To unlock the control panel, follow the instructions in step 2.1.

Step	Action	Result	Display
1	Use  or  to move the mount to the desired height	The selected height is shown on the display	
2	Press and hold  for 5 seconds	The display shows S - -	
3	Press the memory key to save:  ,  , or 	The display alternates between S-1, S-2, or S-3 and the set value	  
4	Press 	The selected height is saved to the chosen memory key	

4. Height Limitation Settings

The control panel can store an upper and lower height limit. Height limitations take precedence over stored memory positions. To unlock the control panel, follow the instructions in step 2.1.

Important: After a height limit is saved, automatic and manual movement will stop at that limit even if a memory position is stored outside the allowed range.

4.1. Set the Upper Height Limit

Step	Action	Result	Display
1	Press and hold S for 5 seconds	The display shows S - -	
2	Press  repeatedly	HLP flashes on the display (High Low Position)	
3	Press 1	The display alternates between H-P and the set value	
4	Press and hold  or  to set the maximum height	The display shows the selected maximum height	
5	Press S	The upper height limit is saved	

4.2. Set the Lower Height Limit

Step	Action	Result	Display
1	Press and hold S for 5 seconds	The display shows S - -	
2	Press  repeatedly	HLP flashes on the display (High Low Position)	
3	Press 2	The display alternates between L-P and the set value	
4	Press and hold  or  to set the maximum height	The display shows the selected minimum height	
5	Press S	The lower height limit is saved	

5. Reset Procedures

5.1. Soft Reset

Use a soft reset when the display shows **rES**, after reconnecting cables, or when the mount does not operate as expected.

Step	Action	Result	Display
1	Press and hold 	The display alternates between E-1 and rES	 
2	Release 	The panel is ready to start the reset movement	
3	Press and hold  again	The motorized legs move up and down automatically	
4	Release  when a beep is heard	The soft reset is complete	

 **Warning:** If the reset fails check the troubleshooting table. If only one motorized leg responds, stop immediately, unplug the unit, and contact your local Neomounts sales representative.

5.2. Factory Reset

 **Warning:** A factory reset returns all memory setting values and advanced settings to their factory defaults. Any height limitation settings will be cleared.

Only perform this procedure if these settings may be reset.

Step	Action	Result	Display
1	Press and hold S for 15 seconds	The display shows FAC	
2	Press S again	A beep sounds. All configurable settings are restored to their factory defaults	

6. Advanced Settings



Warning: The advanced settings menu contains both user-configurable and factory-configured settings. Only the child lock setting is intended to be changed by the user.

The child lock helps prevent unintended operation. Neomounts B.V. is not liable for incidents caused when the child lock has been intentionally switched off.

The following settings are factory-configured and must not be changed:

- [A--] Anti-collision sensitivity
- [P--] Overcurrent protection
- [rES on/off] Power-loss reset behaviour

Changing these settings may result in unsafe operating conditions. If one of these settings has been changed unintentionally, perform the factory reset procedure as described in section 5.2.

6.1. Turn the Child Lock OFF

Step	Action	Result	Display
1	Press and hold S for 10 seconds	The display shows A - -	
2	Press	The display alternates between LOC and ON	
3	Press 2	The display alternates between LOC and OFF	
4	Press S	The child lock is switched off	

6.2. Turn the Child Lock ON

Step	Action	Result	Display
1	Press and hold S for 10 seconds	The display shows A - -	
2	Press	The display alternates between LOC and OFF	
3	Press 1	The display alternates between LOC and ON	
4	Press S	The child lock is switched off	

6. Advanced Settings

6.3. Change the Display Unit of Measure

Step	Action	Result	Display
1	Press and hold S for 5 seconds	The display shows S - -	
2	Press ▲ repeatedly	The display shows Unt	
3	Press 1 to select centimeters, or Press 2 to select inches	The display alternates between Unt and the current height value	 
4	Press S	The selected unit of measure is saved	

7. Troubleshooting and Error Codes

Use the table below when the display shows an error code or the mount does not operate as expected. If the error remains after the listed action, stop using the mount and contact your local Neomounts sales representative.

Code	Meaning	Possible cause	Action
E2	Anti-collision active	An obstacle is interfering with movement.	Remove the obstacle and check that the movement path is clear. Retry normal operation.
E3	Plug disconnection	The motorized legs are not connected to the control box.	Turn the power off. Plug the cables into the control box, reconnect power, and perform a soft reset.
E4	System imbalance	The height difference between the motorized legs exceeds 1 cm.	Stop operation and perform a soft reset. If only one motorized leg responds, stop immediately, unplug the unit, and contact your local Neomounts sales representative.
rES	Soft reset required	The system detected an error that requires a soft reset.	Perform the soft reset procedure.
Dut	Duty cycle protection	Overheating protection is active after continuous operation without the required cool down.	Let the system cool down for 18 minutes. Normal operation will be restored automatically. The display alternates between "dut" and the countdown timer, showing the remaining cooldown time in minutes.
Sot	Abnormal current detection	The system is overloaded or signal interference has occurred.	Remove the load from the mount and turn the power off. Reconnect all cables, turn the power back on, and retry normal operation.

8. Technical Data

Item	Data
Input voltage	100-240 V AC
Output voltage	29 V DC
Maximum load	1200 N 120 kg
Height range (floor < > mid VESA)	942 – 1942 mm FL55-885BL1/WH1 808 – 1808 mm WL55-885BL1/WH1
Duty cycle	2 min on / 18 min off

Duty cycle: Operate for no more than 2 minutes continuously, then allow an 18-minute cool-down period.

