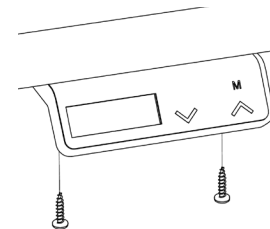


User manual for Flow Visual Handset



Installation


Attach the handset to the underside of the table top using the two provided screws. If the work surface thickness is less than 18 mm (3/4") use shorter screws (not provided).




Connect

Connect the handset cable to one of the columns connector ports. The second port on the handset can be used to connect other devices.

Button Guide

 - Adjust the table upwards
- Scroll up when in the Menu

 - Adjust the table downwards
- Scroll down when in the Menu

M - Menu, to enter Menu mode
- Enter, when in Menu mode







Symbol Guide

Explanation of the display

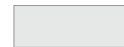


Understanding the symbols

-  Menu mode
- M** Memory
- E** Error codes
-  Reset Homing mode
- "** Imperial, inch
-  Thermometer
- CM** Metric, centimeter
-  Height reading

15 sec - sleep mode

Display backlight will go to sleep mode after 15 seconds of inactivity.



Start up

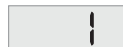
Once connected, a height read-out should appear on the display.

Start-up indications

Three dashes



or with a slave number such as





Height reading



Perform Reset/Homing


Critical step. At installation or if a critical component such as a column or motor is changed or disconnected, a Reset must be performed.

NOTE! Ensure that the area around and under the table are clear.

 and  Press and hold the Up and Down buttons at the same time

8 seconds Hold the buttons pressed at least 8 seconds

Release Release the Up and Down buttons

 Immediately press and hold the Down button - the display will indicate reset mode with three dashes and a house in the lower left corner - until the desk reaches its lowest position and stops moving


Release Release the Down button

Height reading The three dashes on the display will be replaced by a height reading


Complete The reset process is completed

Memory Positions


Set/Adjust a quick memory position. There is a quick memory position option to set the Up and Down buttons to move the desk to a predefined height. To set the predefined height for a button:


 Adjust the table to the preferred height to be stored as a memory position

M Press the M button, and release


 Immediately press the Up or Down button to store the current height as a quick memory position to the selected button

Use preset heights

 Press and hold either the Up or Down button to move the desk to the quick memory position, the desk will stop at the preset height. Release the button.

 Press and hold the same button as previously to bypass the desks preset height.

Setting Memory Positions 1 - 3

 Move the table to desired height

M Hold the M button for at least 3 seconds

 Use the Down button to navigate to SET

M Press the M button to select

1, 2 OR 3 Use the Up or Down button to select position to store the height to, 1, 2 or 3.

M Press the M button to save current height

Accessing Memory Positions 1 - 3

M Hold the M button for at least 3 seconds

1, 2 OR 3 Use the Up or Down button to choose stored position 1, 2 or 3


M Press and hold the M button while the table moves to the stored memory position

Calibrate


If the height reading displays incorrect height, the height from the table top needs to be calibrated.

Measure the distance between the floor and the top of the table top.


M Press and hold M button for at least 8 seconds...

 ...until three dashes are displayed

Release Release the M button

 Use the Up or Down button to navigate to CAL (Calibrate)

M Select by pressing the M button

 Change the current height reading by using the Up or Down button to the measured height


M Store the current height reading and return to Menu by pressing the M button

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Upper Limit

Set an Upper Limit when planning over-head storage


M Press and hold M button for at least 8 seconds...

 ...until three dashes are displayed

Release Release the M button

 Use the Up or Down button to navigate to U.L. (Upper Limit)

M Select by pressing the M button

 Calibrate Upper Limit by using the Up or Down buttons


M Select value and return to Menu by pressing the M button

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Lower Limit

Set an Lower Limit when planning storage under the table


M Press and hold M button for at least 8 seconds...

 ...until three dashes are displayed

Release Release the M button

 Use the Up or Down button to navigate to L.L. (Lower Limit)

M Select by pressing the M button

 Calibrate Lower Limit by using the Up or Down button


M Select value and return to Menu by pressing the M button

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Units

Change between metric or imperial units

M Press and hold M button for at least 8 seconds...

 ...until three dashes are displayed

Release Release the M button

 Use the Up or Down button to navigate to Un. (Units).

M Select by pressing the M button

CM OR " Choose CM (centimeter) or " (inch) with the Up or Down button

M Select value and return to Menu by pressing the M button

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
Performing a Forced Reset

If Standard Reset (page 6) does not initiate a reset, perform a Forced Reset


M Press and hold M button for at least 8 seconds...

 ...until three dashes are displayed

Release Release the M button

 Use the Up or Down button to navigate to RES. (Reset)

M Select by pressing the M button


 Activate Reset/Homing by pressing the Down button

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Software Version

Display Software Version

M Press and hold M button for at least 8 seconds...

 ...until three dashes are displayed

Release Release the M button

 Use the Up or Down button to navigate to SOF (Software Version)

M Select by pressing the M button

Software Version displayed


M Return to Menu by pressing the M button

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Error logs

Shows the number of times each error has occurred since start-up or last reset


M Press and hold M button for at least 8 seconds...

 ...until three dashes are displayed

Release Release the M button

 Use the Up or Down button to navigate to Err

M Select by pressing the M button

 Navigate with the Up or Down button to the error number you want to view

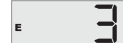
Number of times the error occurred displayed

M Return to Menu by pressing the M button



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Error codes

1. Hard stop
2. Back off
3. Soft stop
4. Waiting for button
5. Waiting for button release
6. Motor lost
7. Overcurrent
8. Overheating: Thermometer flashing, wait 10 minutes for motor cooling.
9. Low voltage: (under 16vdc)
10. High voltage: (over 40vdc)
11. Out of sync / legs too far apart
12. Destination above upper limit
13. Destination below lower limit
14. Internal error
15. Collision detected by CDS
16. Wrong number of motors connected
17. Destination above upper motor limit
18. Destination below lower motor limit
19. Slave lost/Disconnected
20. Motor not moving

 **E** 3

Default error code example

 123  **CM**


Error code 8, flashing thermometer

Actuator Versions

M Press and hold M button for at least 8 seconds...

 ...until three dashes are displayed

Release Release the M button

 Use the Up or Down button to navigate to Act (Actuator/Columns)

M Select by pressing the M button

Latest firm-ware version displayed

 Navigate with the Up or Down button to see the oldest Firmware Version

M Return to Menu by pressing the M button

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