



## ELEMENTAL MACHINES V71P1502T ED1 Element-D Compact Scale Installation Guide

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### ELEMENTAL MACHINES V71P1502T ED1 Element-D Compact Scale



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## Applicable Asset Models

- ✓ V71P1502T
- ✓ V71P3T
- ✓ V71P6T
- ✓ V71P15T
- ✓ V71P30T

## Package Contents

- ✓ Element-D
- ✓ Power Supply
- ✓ Connection Cable

Note: You may receive multiple types of cables if you are connecting Element-D's to different types of assets.

## Safety Information



Review and abide by the safety information found in the Element-D and Ohaus Valor 7000 Series Balance user manuals. Tidy connection cable to prevent tripping hazards.

## Installation Instructions

### Receiving the Shipment

1. If this is your first time setting up the Elemental Machines system, you will receive an email for your dashboard account verification. Save this email for when the devices arrive.
2. When devices are shipped, they will be added to your Elemental Insights Dashboard™ with default names. When you first log in you will see all your devices with a 'disconnected' status.
3. When devices arrive, carefully remove the contents from the packaging. If any of the contents look damaged, please send a picture to [help@elementalmachines.com](mailto:help@elementalmachines.com).
4. Confirm the Element-D's in your package are labeled with the assets to which they are to connect. If the labels do not match the intended assets for connection, please contact [help@elementalmachines.com](mailto:help@elementalmachines.com).

### Element-D Initial Power-up

5. Plug the Element-D in using the provided power supply.
6. Complete Wi-Fi Connection following instructions in the provided 771-00010 Wi-Fi Connection Guide – Gateway GW2/3, Element-C/D.
  - a. 771-00010 is included with your Element-D as a printed copy. Digital versions of this are available in the Support section of the Elemental Insights Dashboard™.

### Attaching Connection Cable to Asset

7. Locate the data port on the asset (shown in Figure 1) to which the Element-D will connect.



**Figure 1 Data port on asset**

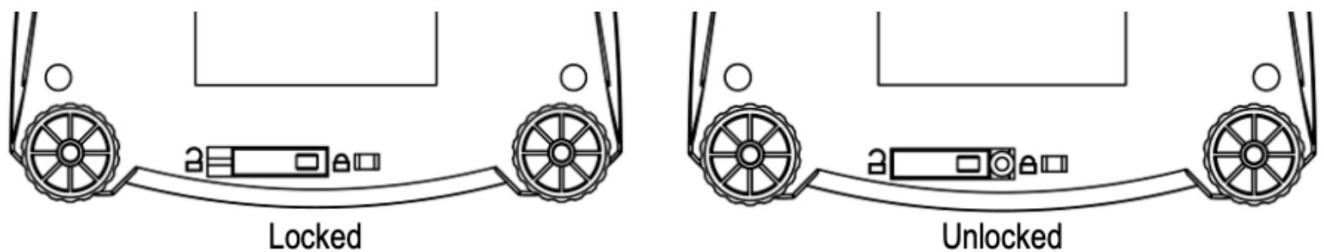
8. Plug the RS232 end (Figure 2) of the RS232 Connection Cable into the data port on the balance located in step 7.



**Figure 2 Connector cable USB end (left) and RS232 end (right)**

Configuring Asset Menus

9. Set switch on balance bottom to **“Unlocked”**, as shown in Figure 3

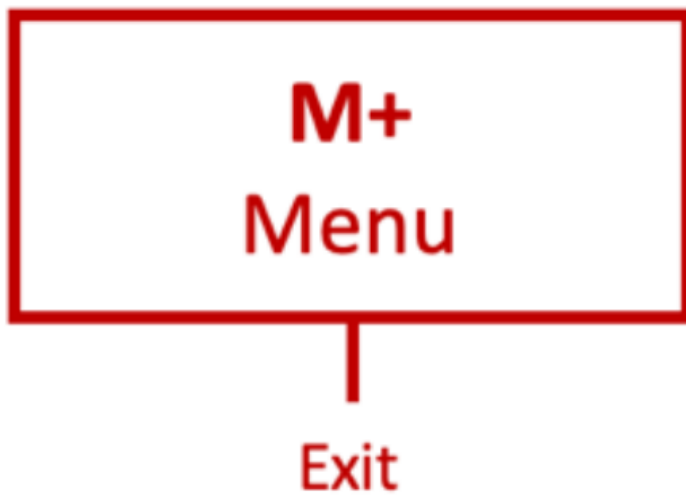


**Figure 3 Balance locking and unlocking positions**

10. Press the On/Zero button to power on balance.



11. Hold the M+ button.



For reference: The Menu Controls are shown below. To navigate the menu,

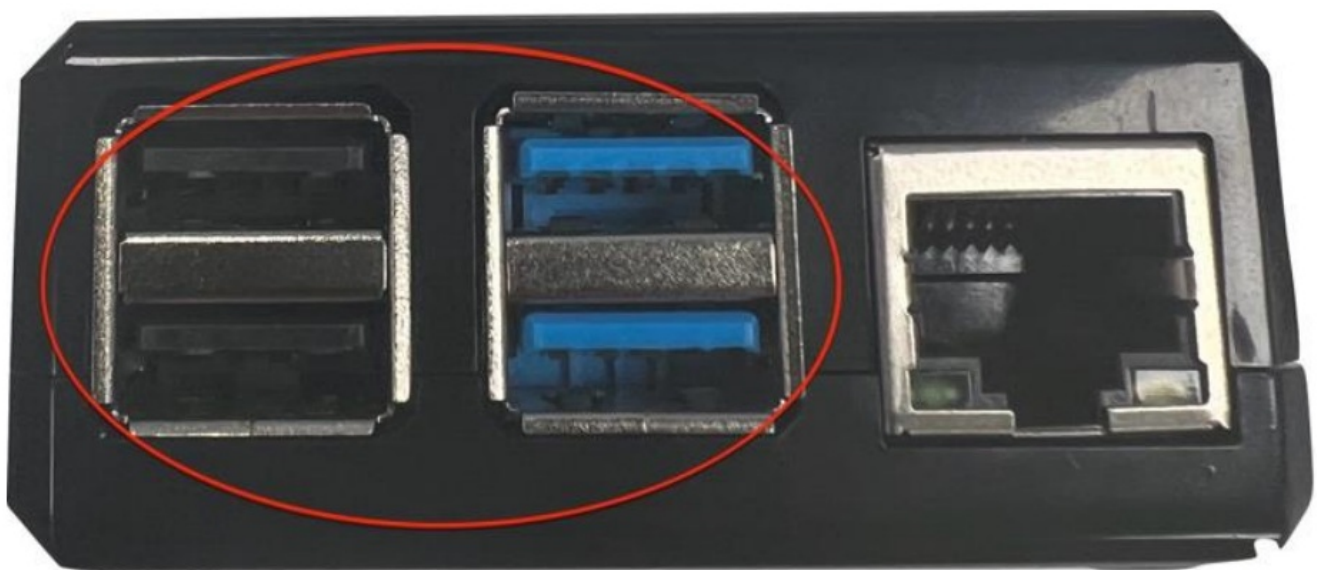
- Left button (Print Units) = **No**
- Middle button (On/Zero/Off) = **Yes**
- Right button (Function Mode) = **Back**



12. Press **No** until the screen reads **P.r.l.n.t.**
13. Press **Yes**. The screen will read **rESEt.**
14. Press **No** until the screen reads **CONtNt.**
15. Press **Yes**. The screen reads **rESULt**
16. Press **Yes**.
  - a. If the screen reads **OFF**, press **Yes**.
  - b. If not, press **No** once. The screen will read **OFF**. Press **Yes**.
17. The screen will read **GrOSS**. Press **Yes**.
  - a. If the screen reads **ON**, press **Yes**.
  - b. If not, press **No** once. The screen will read **ON**. Press **Yes**.
18. Now the screen will read **NEt**. Press **Yes**.
  - a. If the screen reads **ON**, press **Yes**.
  - b. If not, press **No** once. The screen will read **ON**. Press **Yes**.
19. Now the screen will read **tArE**. Press **Yes**.
  - a. If the screen reads **ON** press **Yes**.
  - b. If not, press **No** once. The screen will read **ON**. Press **Yes**.
20. Press **No** until the screen reads **LAYOUTt.**
21. Press **Yes**, the screen should now read **FOrMt**. Press **Yes**.
  - a. If the screen reads **MULTI**, press **Yes**.
  - b. If not, press **No** until it does. Then press **Yes**.
22. Press **No** until the screen reads **End**.
23. Press **Yes**.

24. The screen should now read **C.O.M.** Press **Yes**.
25. Press **No** until the screen reads **bAUd**.
26. Press **Yes**.
  - a. If the screen reads **9600**, press **Yes**.
  - b. If not, press **No** until it does. Then press **Yes**.
27. Now the screen should read **PARitY**. Press **Yes**.
  - a. If the screen reads **8 n0nE**, press **Yes**.
  - b. If not, press **No** until it does. Then press **Yes**.
28. Now the screen should read **StOP**. Press **Yes**.
  - a. If the screen reads **1**, press **Yes**.
  - b. If not, press **No** until it does. Then press **Yes**.
29. Now the screen should read **HANdSH**. Press **Yes**.
  - a. If the screen reads **NONE**, press **Yes**.
  - b. If not, press **No** until it does. Then press **Yes**.
30. Now press the **M+** button to return to weighing screen.
31. Make sure to leave the settings **Unlocked** as shown in Figure 3.

Attaching Connection Cable to Element
32. Plug the other end of the Connection Cable into the data port on the Element-D. This will be the USB port and the cable can be plugged into any of the four USB ports as seen in Figure 4.



**Figure 4 Data ports on Element-D**

#### Positioning the Element-D

33. Determine where the Element-D should be placed to allow for power access and a tidy connection cable.
34. Securely position the Element-D in the chosen location. The Element-D has magnets which make it easily mountable to magnetic surfaces.
  - a. Note: If applicable, an adhesive metal mounting plate available from EM may be used.

#### Finalization

35. Before taking any measurements, **Tare** the balance by placing something on the balance and then pressing **Tare**.

This step is mandatory in order to get all three channel outputs.
36. To send a weight measurement to the Elemental Insights Dashboard, press **PRINT**




37. Confirm that the value appears on the dashboard. (The dashboard may only display two digits after the decimal point. However, transfer to any third party platforms will include the full value.).
38. If the dashboard does not display any value, check cable connection and menu settings. Contact [help@elementalmachines.com](mailto:help@elementalmachines.com) if problem persists.
39. Contact any third-party vendor for next steps regarding communication to the external platform (if applicable).

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[help@elementalmachines.com](mailto:help@elementalmachines.com)



## Documents / Resources

	<p><a href="#">ELEMENTAL MACHINES V71P1502T ED1 Element-D Compact Scale</a> [pdf] Installation Guide</p> <p>ED1, V71P1502T ED1 Element-D Compact Scale, ED1 Element-D Compact Scale, Element-D Compact Scale, Compact Scale, Scale</p>
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