ELEMENTAL MACHINES

Applicable Asset Models

- ✓ AR0640
- ✓ AR1140
- ✓ AR1530
- ✓ AR2130
- ✓ AR2140
- ✓ AR3130

- ✓ AR4130
- ✓ AR5120
- ✓ ARA520
- ✓ ARB120
- ✓ ARC120
- ✓ ARD110

Package Contents

- ✓ Element-D
- ✓ Power Supply
- ✓ Mounting Plate
- ✓ 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 Adventurer 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.
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.

Element-D Initial Power-up

5. Move the Element-D for the asset into a dashboard group on Elemental Insights™ Dashboard. The device status on the dashboard will be listed as 'disconnected'.
6. Plug the Element-D in using the provided power supply.
7. If the device has not been preloaded with your company's Wi-Fi, 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

8. Locate the data port on the balance (RS232 port circled in Figure 1) to which the Element-D will connect.
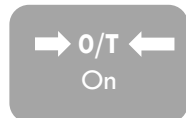

Figure 1 Data port on asset

9. Plug the RS232 end of the Connection Cable (Figure 2) into the RS232 port on the balance.
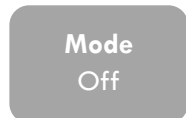

Figure 2 Connector cable USB end (left) and RS232 end (right)

Configuring Asset Menus

10. With scale powered off, press and hold **0/T** until the screen displays **Menu**. (If you advance to the next menu item Units, this is fine.)

> **➡ 0/T ⬅**
> On

11. Press **Mode** until the screen displays **Print.**

> **Mode**
> Off

12. Press **0/T** twice and the screen will display **bd** and a number.
    a. If the number is **9600**, press **0/T.**
    b. If not, press **Mode** until it is and then press **0/T.**
13. The screen will read **PAr.**
    a. If **PAr** is followed by **no**, press **0/T.**
    b. If not, press **Mode** until it does then press **0/T.**
14. The screen will now read **dAtA.**
    a. If **dAtA** is followed by **8**, press **0/T.**
    b. If it is not, press **Mode** until it is then press **0/T.**
15. The screen will now read **StoP.**
    a. If **StoP** is followed by **1**, press **0/T.**
    b. If it is not, press **Mode** until it is, then press **0/T.**
16. Press **0/T** repeatedly to return to weighing screen.

Attaching Connection Cable to Element

17. 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 3.

Figure 3 Data ports on Element-D

Positioning the Element-D

18. Determine where the Element-D should be placed to allow for power access and a tidy connection cable.
19. 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

20. To send a weight measurement to the Elemental Insights™ Dashboard, press **PRINT**.

21. 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.).
22. If the dashboard does not display any value, check cable connection and menu settings. If data does not appear on the dashboard, power cycle the Element-D. Contact help@elementalmachines.com if problem persists.
23. Contact third-party vendor for next steps regarding communication to the external platform (if applicable).