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ELEMENTAL MACHINES ED1 Element IoT Device



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Applicable Asset Models


- Forma Orbital Shaker (430)
- Max Q 416HP
- Max Q 430HP

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 Thermo Scientific Max Q HP Shaker user manuals. Ensure compliance with your company safety best practices, which may include de energizing equipment before working with electrical connections. 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.
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 the Elemental Insights™

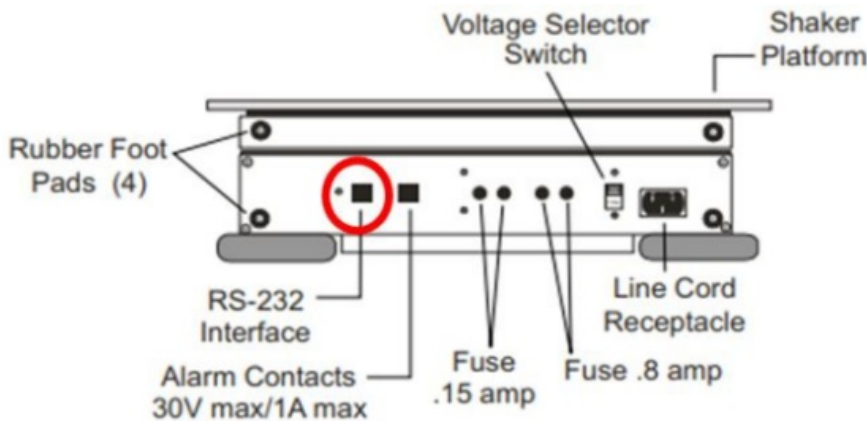
Dashboard. The device status on the dashboard will be listed as 'disconnected'.

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 outlined in 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 RS-232 Interface on the asset (shown in Figure 1) to which the Element-D will connect.

Figure 1 Red circle indicates RS-232 interface

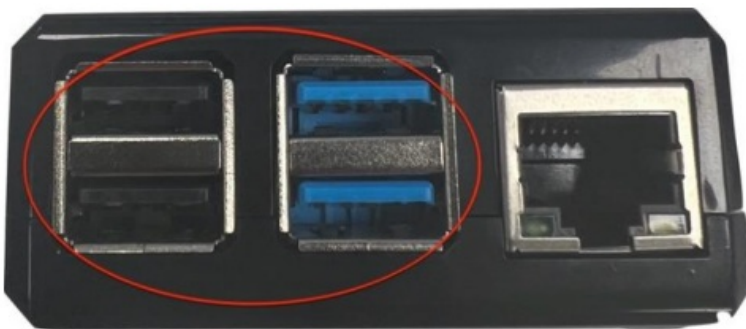


9. Plug the RJ11 end of the Connection Cable into the RS-232 interface on the asset.

Attaching Connection Cable to Element

10. Plug the USB end of the Connection Cable into the data port on the Element-D. The USB connector may be plugged into any USB port on the Element-D as shown in Figure 2.

Figure 2 Data ports on Element-D



Positioning the Element-D

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

12. 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

13. Check the Elemental Insights™ Dashboard to confirm that RPM data values are populating.
14. If the dashboard does not display any value, check cable connection and power cycle the Element-D. Contact help@elementalmachines.com if problem persists.
15. Set up alert rules on the Elemental Insights™ Dashboard for the Element-D.
Guidance on how to do so is available in the Support section of the dashboard.
16. Contact any third-party vendor for next steps regarding communication to the external platform (if applicable).

Customer Support

772-00080 rev 01 Element-D, ED1 Thermo Scientific Max Q HP and Forma Orbital
Shaker Installation Guide

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help@elementalmachines.com



Documents / Resources

	<p>ELEMENTAL MACHINES ED1 Element IoT Device [pdf] Installation Guide</p> <p>ED1, MaxQ 416HP, MaxQ 430HP, Forma Orbital Shaker 430, ED1 Element IoT Device, ED1, Element IoT Device, IoT Device</p>
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References

- [User Manual](#)

🔍 ED1, ED1 Element IoT Device, Element IoT Device, ELEMENTAL MACHINES, Forma Orbital Shaker 430, IOT Device, MaxQ 416HP, MaxQ 430HP

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