

## Applicable Asset Models

- ✓ SevenExcellence

## 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.

## Supported Modules (& Units)

- ✓ pH
- ✓ Conductivity (uS/m, mS/cm, S/m, uS/m, mS/m)

## Prerequisites

- ✓ Firmware version 4.1.4 or above

## Safety Information



Review and abide by the safety information found in the Element-D and asset 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](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. 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. 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 data port on the asset (shown in Figure 1) to which the Element-D will connect and plug in the connection cable:

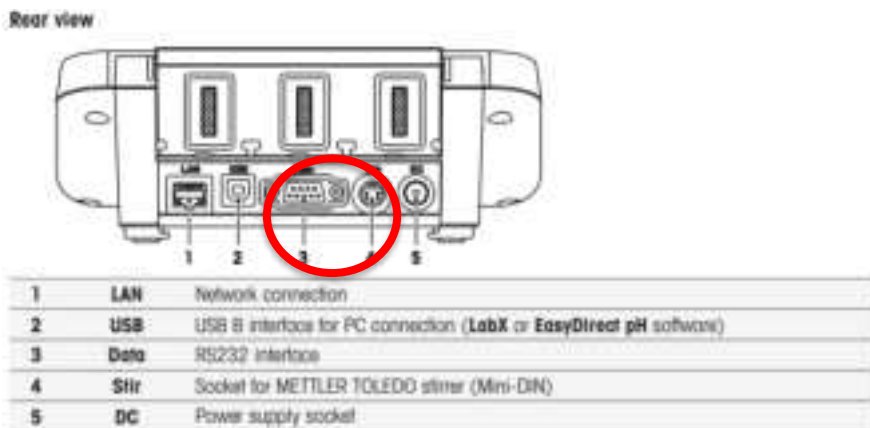


Figure 1 Data port on asset

## Configuring Asset Menus

9. Set communication parameters: Go to **Setup → Hardware → Peripherals → Printer:**



Figure 2 Menu Navigation (proceed left to right)

10. On the printer settings page, set the following settings:

<b>Printer Type</b>	RS232 Compact Printer
<b>Auto baudrate</b>	Off
<b>Baud rate</b>	9600
<b>Data Bits</b>	8
<b>Stop bits</b>	1
<b>Parity</b>	None
<b>Handshake</b>	None



Figure 3 Printer settings page

11. Set each module to print – click on the module, then go to **General Settings → Print (check to enable)**

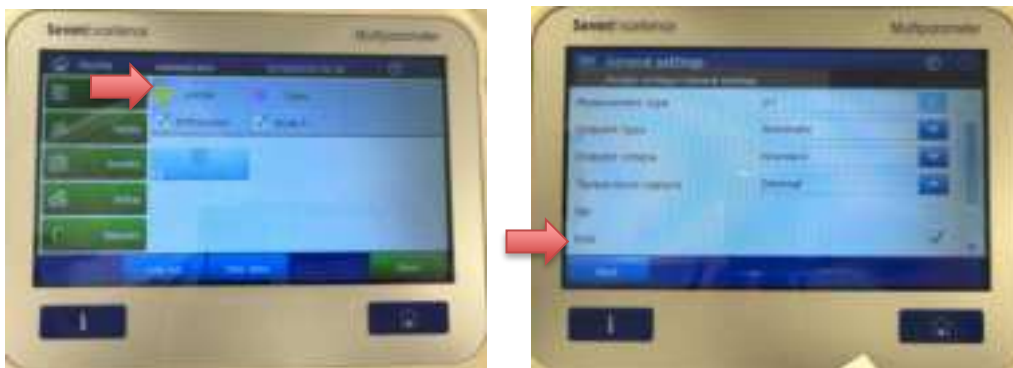


Figure 4 Module settings

## Attaching Connection Cable to Element

12. Plug the other end of the Connection Cable into the USB data port on the Element-D. The USB connector may be plugged into any USB port on the Element-D as highlighted in Figure 5.

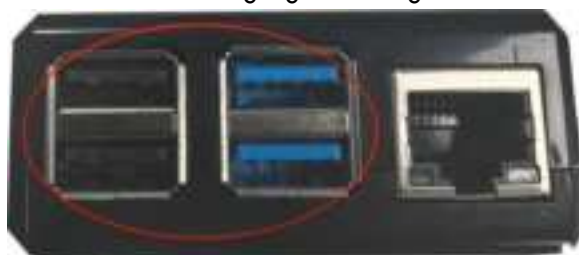


Figure 5 Data ports on Element-D

## Positioning the Element-D

13. Determine where the Element-D should be placed to allow for power access and a tidy connection cable.
14. 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.

## Programming Alerts (as required)

15. Check the Elemental Insights™ Dashboard to confirm that data values are populating.
16. 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.

## Finalization (as required)

17. To send a measurement to the Elemental Insights™ Dashboard, check the modules you would like to read and press the **READ** button on the meter.
18. 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.).
19. 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.
20. Contact any third-party vendor for next steps regarding communication to the external platform (if applicable).