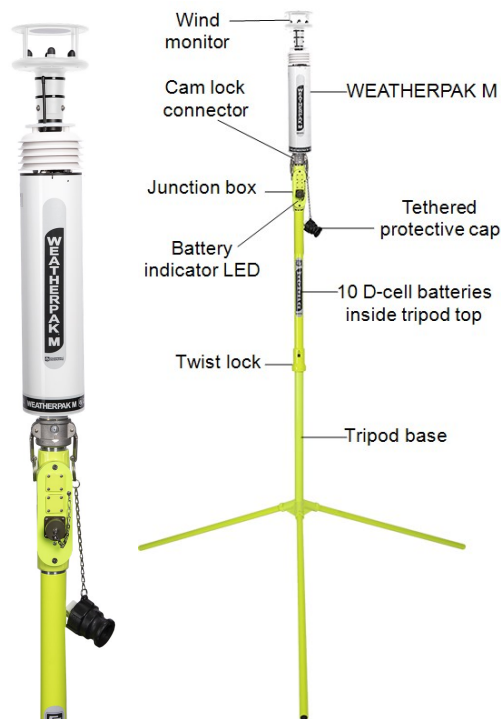


WEATHERPAK[®]M

Quick Deploy Guide



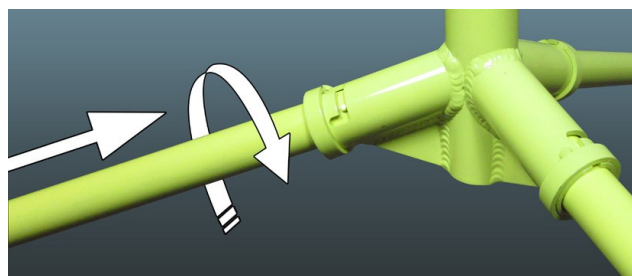
1. Placement

To avoid compass error, place the WEATHERPAK[®]M1 at least 30 meters (99 feet), laterally, from any mass of steel (trucks, buildings, etc). For vehicle mount applications, 3 meters (10 feet) above the vehicle is acceptable.



2. Tripod setup

1. Insert and lock the legs onto the tripod base.



2. Align the slot on the WEATHERPAK M with the guide pin on the quick release and push straight in. The cam lock connector provides a precision sealed fit and may require an extra push to seat the WEATHERPAK M properly.



CAUTION:

DO NOT screw the WEATHERPAK M onto the cam lock connector; push straight in.

- Once the weather station is properly seated, press the arms of the cam lock down to assure a tight fit. The battery indicator LED (on the tripod junction box) should illuminate when the WEATHERPAK M is properly seated into the cam lock connector.



- Place the entire unit (tripod top and WEATHERPAK M) onto the tripod base, engage the twist-lock and turn clockwise a quarter turn.
- The WEATHERPAK M is now running and sampling data. When the WEATHERPAK M is removed from the cam lock connector, it will stop sampling and shut itself off.

3. WEATHERPAK M display setup

- Connect the external GPS and radio antennas to the appropriate connectors on the side of the WEATHERPAK M display.



FIGURE 3-1. Side of WEATHERPAK M display

- When outputting data to the CAMEO® /ALOHA® 2 plume modeling software, connect the USB to serial data cable. (The Ethernet connection will only be used in rare instances where the WEATHERPAK M display will be connected to a network).
- Plug the WEATHERPAK M display power supply into an AC power source then insert the power supply barrel connector into the power jack on the bottom of the display and tighten.

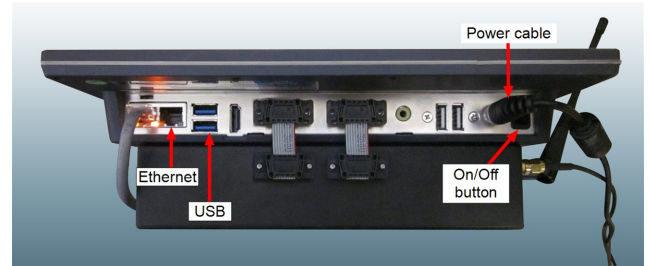


FIGURE 3-2. Bottom of WEATHERPAK M display


- The power-indicator light on the bezel illuminates as the display starts up. The WEATHERPAK M application will automatically launch and begin receiving data from any WEATHERPAK M units available.

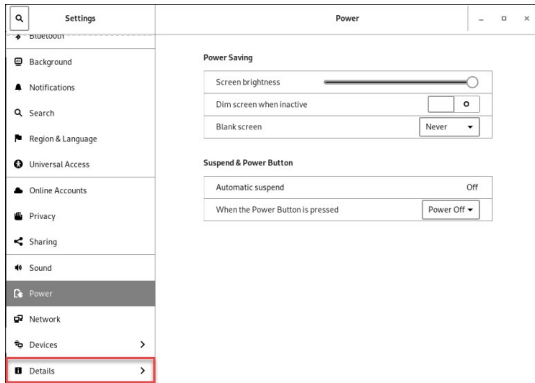


FIGURE 3-3. Front of WEATHERPAK M display

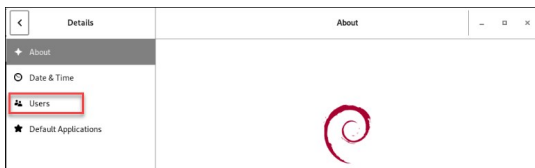
3. User password

Campbell Scientific recommends that you change the default user password. To change the password:

1. On the display, click the down arrow in the upper black bar and then click  to open the **Settings**.
2. Click **Details**.



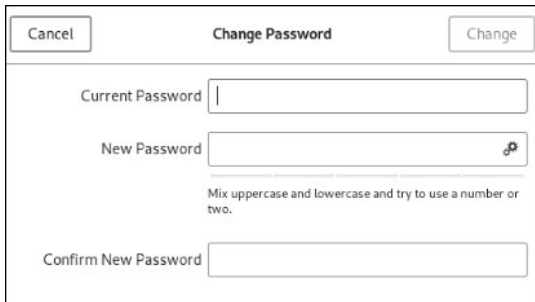
3. Click **Users**.



4. Click in the **Password** field.



5. Enter the current password, campbell21X. Enter and confirm the new password.

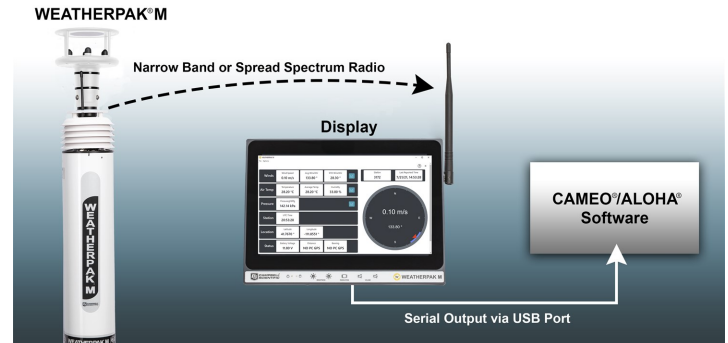


CAUTION:

Do not forget your password. A forgotten password can only be reset at the factory.

4. WEATHERPAK M and ALOHA software

The following presents the basic operation of **ALOHA** with the WEATHERPAK M. Campbell Scientific recommends consulting the **ALOHA** website and/or a certified **CAMEO/ALOHA** instructor for training, program details, and limitations.



1. Click the **ALOHA** desktop icon or select **ALOHA** from the Windows® **Programs** menu. An **Air Model Limitations** dialog box will appear with important notes on program limitations. Read and click **OK**.
2. Confirm that **Site Data** information provided in the **Text Summary** window is correct. If required, use the **Site Data** drop-down menu to change data.
3. Go to **SetUp > Chemical** and select the appropriate chemical.
4. Select **SetUp > Atmospheric > SAM Station** to display a series of dialog boxes that require user observations or assumptions.

NOTE:

Relative humidity is not captured automatically by the **ALOHA** model but may be entered manually using data from the WEATHERPAK M display.

5. (Optional) To confirm that WEATHERPAK M data is being delivered to **ALOHA**, go to **SAM Options > Processed Data** and the **Processed SAM Data** window will display the data delivered to **ALOHA**.

NOTE:

The user gets a warning message in both the **Text Summary** and **Processed SAM Data** windows if the WEATHERPAK M has been collecting data for less than five minutes.

6. **ALOHA** requires the SAM station to be operating for five minutes before selecting the source of release (tank, pipe, direct, etc.). Go to **SetUp > Source** and select the leak source such as tank. A series of dialog boxes will appear requiring user observations or assumptions.
7. Select **Display > Threat Zone** and the **Level of Concern** window will display the default **ERPG** ranges. Select **OK** to show the plume footprint. Displaying the footprint in **ALOHA** is essential before the plume can be overlaid on a **MARPLOTTM** or other street map.
8. (Optional) Select the **Display** menu to produce graphs for source strength and concentration.

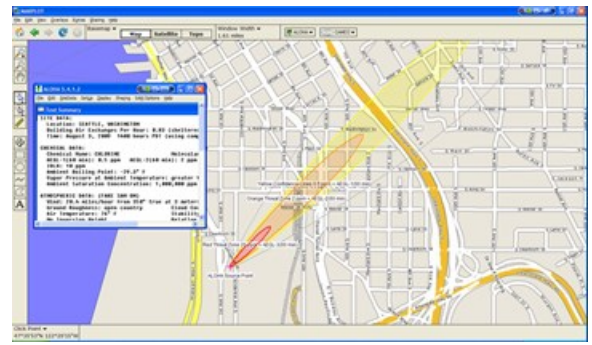
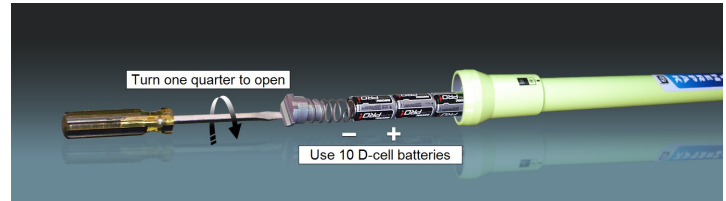


FIGURE 4-2. ALOHA with MARPLOT map

5. Battery replacement



6. Decontamination

Decontaminate the WEATHERPAK M system while fully assembled on tripod tripod.

7. Reference

- 1WEATHERPAK is a registered trademark of Campbell Scientific.
- 2Both ALOHA and CAMEO are registered by National Oceanic and Atmospheric Administration (NOAA) U.S. Department of Commerce FEDERAL AGENCY UNITED STATES.

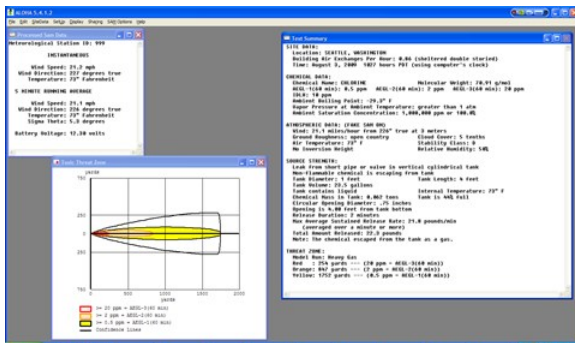


FIGURE 4-1. ALOHA window

9. Select the **Sharing** menu to plot the plume onto a **MARPLOTTM** (or other) map. As weather conditions change, the plume size and position will change on the map, shortly after the WEATHERPAK M provides updated data.

NOTE:

MARPLOT software requires that the **ALOHA** window overlay the map window for the map-plume to update automatically.



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