EXO Handheld Instrument (v2)
Quick Start Guide

A superior handheld for superior water quality monitoring.

This document will assist the user with initially setting up an EXO Handheld.

? For full instructions, please refer to the integrated help screens.

The EXO Handheld is a rugged, compact device that allows the user to display sonde readings, configure sondes, calibrate probes, store and retrieve data, and transfer data from sondes to a computer.

⟩ Powering on the EXO Handheld

The EXO Handheld is shipped with a lithium-ion battery pack pre-installed. The battery ships at ~30% full capacity, so it should be charged before taking it out in the field. The handheld charge period is 9 hours.

Plug the USB connector into the AC power adapter, computer USB connector or external USB battery pack, and then plug the micro USB connector into the EXO Handheld instrument to charge the battery.

⟩ Unpacking and Inspection

Your new EXO Handheld shipment contains the following:

- EXO Handheld   • Micro USB cable
- USB female to micro USB male adapter
- AC power supply

Remove the equipment from the shipping box. Check the packaging carefully to ensure that all components are present. If the handheld or any of the accessories are damaged or if a part is missing, please contact info@ysi.com or +1 937-767-7241.

For fastest charging, ensure the handheld is turned on initially when plugged in.

⏻ To turn the instrument on, press the green power key.

The Dashboard will appear after powering on the instrument. To power off, press and hold the power key for 1.5 seconds.
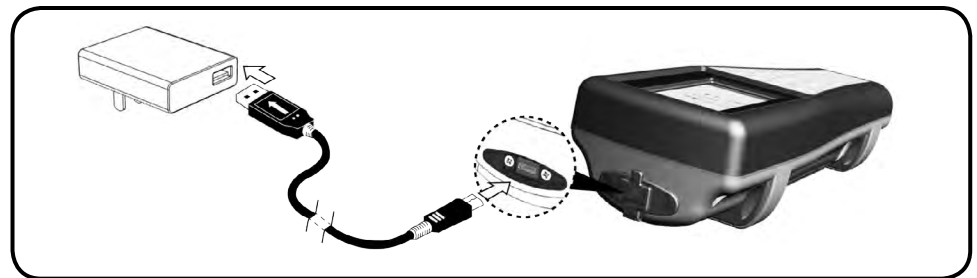
⚠ When the EXO Handheld is turned on, the GPS function will initiate a fix of the location. This may take some time, and the handheld should remain stationary and have a view of the sky.
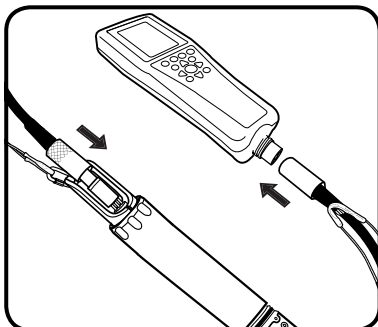

Connecting the EXO Handheld to an AC power supply.

⟩ Technical Support

Register your product:
www.ysi.com/warranty

Check for software updates:
www.EXOwater.com

Contact technical support:
info@ysi.com or +1 937-767-7241

Connect to an EXO Sonde

⟩ Connecting to the Sonde

1. Attach the cable to the sonde. Press in the male 6-pin connector, then screw down the retaining collar. Attach the cable's strain relief to the sonde's bail with a carabiner.

2. Attach the cable to the handheld. Press on the female 6-pin connector, and then screw down the retaining collar.

⚠ Wet mate connectors should be properly lubricated at all times to ensure a proper seal.

3. The EXO handheld will automatically connect to the sonde when the field cable is secured.

Navigation

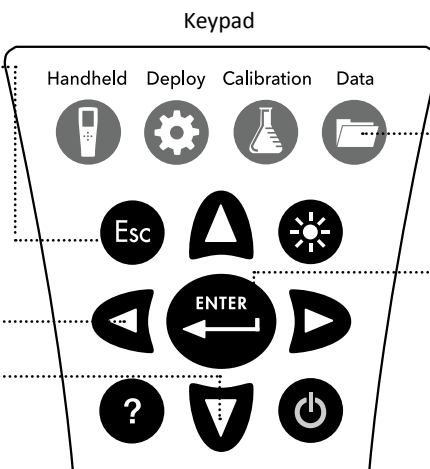**The EXO Handheld has a menu-based interface:**

Press the Esc key to return to the Dashboard screen or to exit an alpha/numeric entry screen.

Use the left arrow key to go back one screen.

To navigate through the menus, use the up and down arrow keys to highlight a desired menu option with the highlight bar.

Keypad

Handheld   Deploy   Calibration   Data

Press the hot keys to access the Handheld, Deploy, Calibration, and Data menus.

ENTER Press the Enter key to choose a selection.

Brightness Control

Activate Help Menu with built-in product manual.

Menu Functions

Handheld: Edit handheld settings such as date/time, displayed measurement units, and logging options.

Deploy: View and edit a sonde's deployment settings or check the status of a current deployment.

Calibration: Calibrate sensors installed in the sonde, check the system's SmartQC status, and setup calibration reminders.

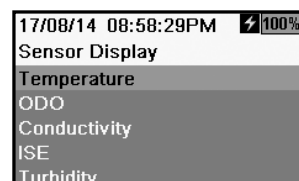**Note:** User calibration is highly recommended before use.

Data: View, delete, or backup logged data or calibration records stored on the handheld; transfer data from the connected sonde.

17/08/14 08:58:29PM 100%
Sensor Display
Temperature
ODO
Conductivity
ISE
Turbidity

Dashboard: View and log live data from the sonde.

⚠ The Dashboard is the main display and does not have a hot key.

Setting Date and Time

1. Press the Handheld key.

2. Highlight **Display** and press the Enter key.

3. Highlight **Date/Time** and press the Enter key.

4. Highlight **Date Format** and press the Enter key. Select the desired date format, and then press the Enter key.

5. Highlight **Date** and press the Enter key. Use the keypad to enter the correct date, highlight **ENTER** on the display, and press the Enter key.

6. Highlight Time Format and press the Enter key. Select the desired time format, and then press the Enter key.

7. Highlight **Time** and press the Enter key. Use the keypad to enter the correct time, highlight **ENTER** on the display, and press the Enter key.

8. Press Esc to return to the Dashboard.

Setting Displayed Units

Parameters that appear in the Dashboard for each sensor can be selected under the Handheld Display menu. The units chosen to be displayed will also appear in logged data files. To set the displayed measurement units:

1. Press the Handheld key.

2. Highlight **Display** and press the Enter key.

3. Highlight **Units** and press the Enter key .

4. Select the units you would like to display in the Dashboard by highlighting them and pressing the Enter key. Check boxes indicate that more than one measurement unit can be displayed for the sensor. (e.g. Dissolved oxygen can be displayed as DO mg/L and DO %).

   Circles indicate that only one measurement unit can be displayed for the sensor (e.g. Temperature can't be displayed as °C and °F).

5. Press the left arrow key to return to the previous screen or press Esc to return to the Dashboard. ◄ or Esc