EXO™

EXO Handheld Instrument
Quick Start Guide

EXO Handheld
YSI.com/EXO-HH
#599960

For use with EXO Sondes

A superior handheld for superior water quality monitoring.

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.

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

? For full instructions, please refer to the built-in help screens.

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

Unpacking and Inspection

Your shipment contains the following:

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

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.

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 recommended charge period is 9 hours.

For fastest charging, first turn the handheld on.

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

The Dashboard will appear after powering on the instrument.

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.
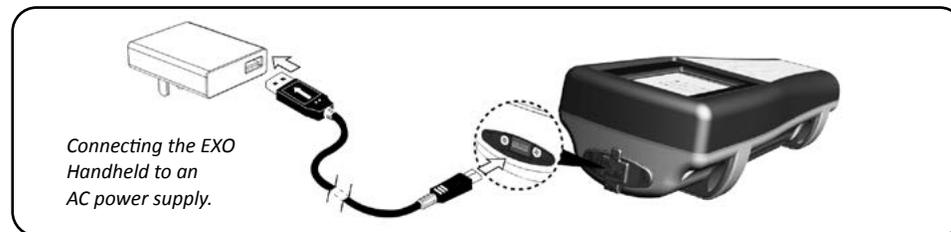
After charging, press and hold the power key for 1.5 seconds to turn the Handheld off.

⚠ When the EXO Handheld is turned on, the GPS function will automatically attempt to initiate. The GPS location can only be fixed when the handheld is **stationary and outside**. A fixed GPS is not required for charging.
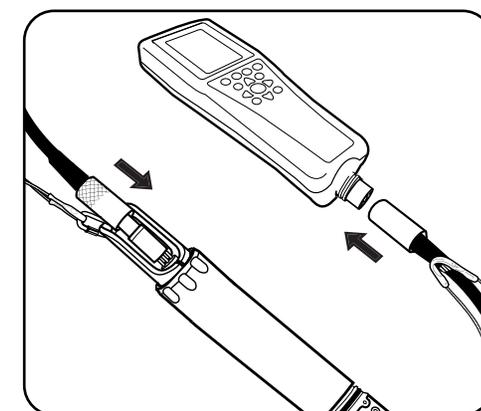
Connecting the EXO Handheld to an AC power supply.

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.
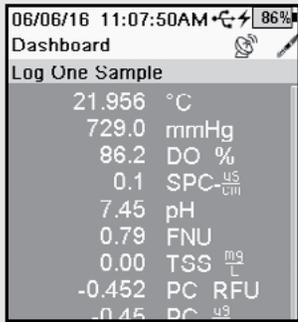
Connect to an EXO Sonde

```
06/06/16 11:07:50AM ⌲⚡ 86%
Dashboard                    📡 ✏
Log One Sample
  21.956  °C
  729.0   mmHg
   86.2   DO %
    0.1   SPC-µS/cm
   7.45   pH
   0.79   FNU
   0.00   TSS mg/L
 -0.452   PC RFU
  -0.45   PC µg
```
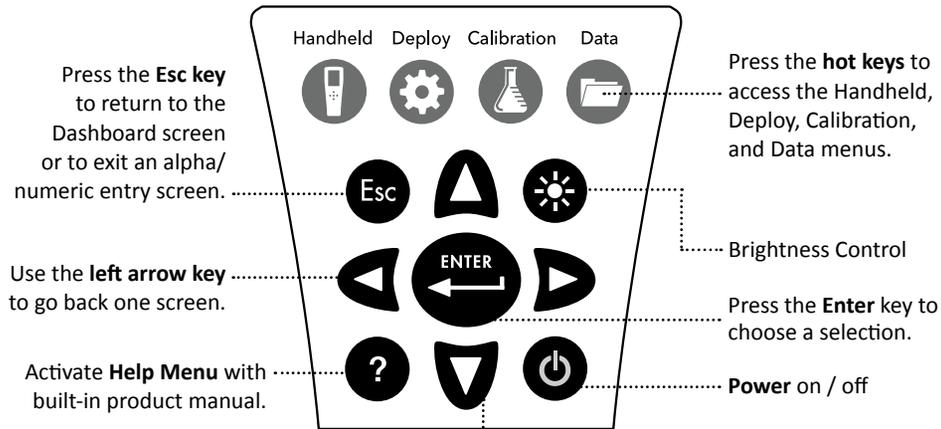
Dashboard Screen

The Dashboard screen shows the live measurements for units selected. You can also log live data, check status messages and information about selected functions.

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

Navigation

The EXO Handheld has a keypad and menu-based interface:

Handheld Deploy Calibration Data

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

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

Brightness Control

Use the **left arrow key** to go back one screen.

Press the **Enter** key to choose a selection.

Activate **Help Menu** with built-in product manual.

Power on / off

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

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, check the SmartQC status, and set up calibration reminders.

Note: User calibration of sensors is highly recommended before deploying the Sonde.

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

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. Esc

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