

SBP500 SUBMERSIBLE BATTERY PACK

QUICK START GUIDE



Figure 1: NexSens SBP500 Submersible Battery Pack.

Overview

The SBP500 accommodates (16) D-Cell alkaline batteries for external power to underwater sensors and data loggers. Integration with the X2 family of data loggers (X2, X2-SDL, & X2-CB) allows for longer deployments.

What's Included

- (1) SBP500 Submersible Battery Pack
- (1) 8-pin plug to 6-pin plug cable assembly, 1m

Battery Installation

- 1 Remove the battery lid using the included hex driver for leverage.



Figure 2: Remove the battery lid at the top of the SBP500.

- 2 Insert (16) D-Cell batteries into the battery chambers according to the polarity labels located inside each battery tube.
 - a. NexSens recommends using Duracell Procell D Alkaline Batteries.
 - b. Insert (4) batteries per tube.
 - c. Polarity for all (4) batteries should be in the same orientation.



Figure 3: Install the (16) D-Cell batteries into the battery tubes.

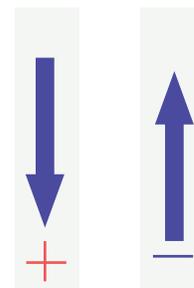


Figure 4: Follow the polarity labels located inside the battery tubes.

Data Logger Connection

- 3 Connect the cable assembly between the SBP500 and data logger.
 - a. Plug the UW8 end of the cable assembly into the top port on the SBP500.
 - b. Plug the UW6 end of the cable assembly to the 6-pin power port on the data logger.



Figure 5: 8-pin to 6-pin plug cable assembly connected between X2-SDL data logger and SBP500.

Check Battery Voltage

- 1 Before and after extended deployments, use a voltmeter to confirm the battery voltage is adequate to power the connected device. Place the positive lead on pin #4 and the negative lead on pin #7 of the top 8-pin receptacle on the SBP500.
 - a. Follow the 8-pin receptacle pinout below.

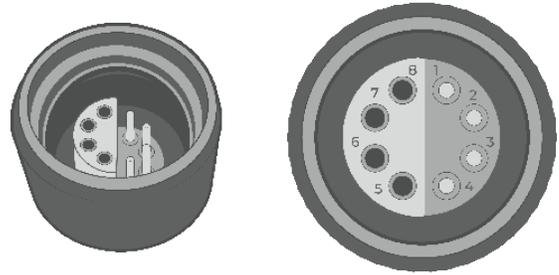


Figure 6: Top 8-pin receptacle port pinout on the SBP500.