



222 Metro Center Blvd. | Warwick, RI 02886
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Hydrobox Survey Echo Sounder

Quick Start Guide

Congratulations on your purchase of the latest in echo sounding technology. This guide describes the steps to follow when unpacking and setting up your new echo sounder.

1 Unpack the Echo Sounder - carefully remove the following items from the packing carton:

- Hydrobox Survey Echo Sounder P04503 - Electronics Sensor Unit
- P04412 - Power Cable (10ft)
- P04416 - Data I/O Cable (10ft)
- P04521 - Interface Software CD
- Quick Start Guide (this guide)
- P04525 - Installation and Operator Manual

The packing material and the carton should be saved, if returned for service.

2 Inspect Main Unit and Accessories - Follow steps:

1. Inspect the Hydrobox Main Unit, transducer and Accessories for any shipping damage.

3 Proceed To Hardware Installation - Complete Installation Steps are provided in Section 2.0 of the Hydrobox Operation and Maintenance Manual. The following is the **minimum** setup necessary to have a working echosounder.

1. PC running Windows, Pentium II @ 266MHz or greater
2. HydroBox Sensor Unit
3. HydroBox Transducer Assembly
4. HydroBox Cables (Power, Data, Transducer)
5. 10-30 Volt DC Power Source (10 Watts)
6. Transducer Mounting Hardware

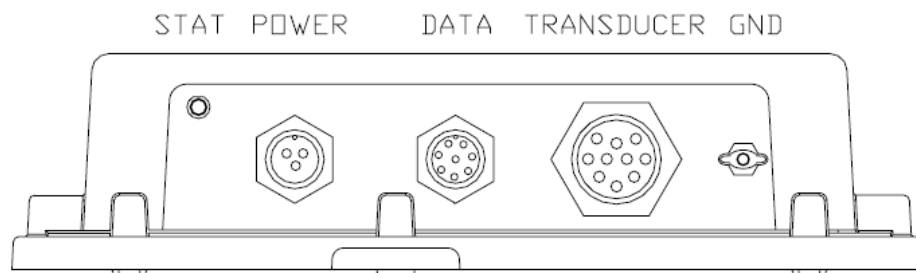


Figure 1 Sensor Unit



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Perform the Hydrobox Software Installation- A Software Setup must be performed on the unit before it can be used as an echosounder. All software/operator interface information is provided in Section 2.27 of the Hydrobox Operation and Maintenance Manual. The software allows for communication to the Hydrobox Main Unit via the serial data cable connection. The Hydrobox software provides the user the ability to control, collect and play back data.

4 Turning on your Hydrobox

- Verify that all the power, transducer and data connections are made to the Hydrobox as per the installation instructions.
- Provide 10 to 30 VDC power to the Hydrobox via its DC power power cable.
- Verify you have a flashing green LED indicator flashing 1 time per second.
- Start your HydroBox software.
- Once the software ihas started, verify that the system status block indicates Initializing then to IDLE then the LED on the Hydrobox goes to solid green.



- Depress the green start transmit button. You will notice the ping counter advancing.



Starts the HydroBox Sensor Pinging

- An audible clicking should be should be heard.
- Adjust the minimum gate limits to .35 meters or 20 feet then enable the limits.
- The Gate limit function is a window on which the digitizer looks for a bottom return.



If the bottom goes above the min or below the max gate limit it will cause a bottom lost condition.

Finish Installation - The user should now proceed to the Installation Section of the Manual and complete any additional setup/wiring for their particular installation.