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icListen Test Cable User Guide

Version 1.0



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1 Overview

1.1 Description

Welcome to the user guide for using the icListen Test Cable to communicate with your icListen Smart Hydrophone. The Test Cable is a convenient interface between the subsea MCBH-8M connector of the icListen and a user's network or PC. Connect to your icListen to view spectrum charts, configure settings, recharge the internal battery, and many other features of the icListen. For more detailed information please refer to the icListen User Guide.

1.2 Safety

The Test Cable not recommended for long term or field deployments. The intention of the test cable is for easy use and configuration of the icListen in an office environment prior to field deployment.

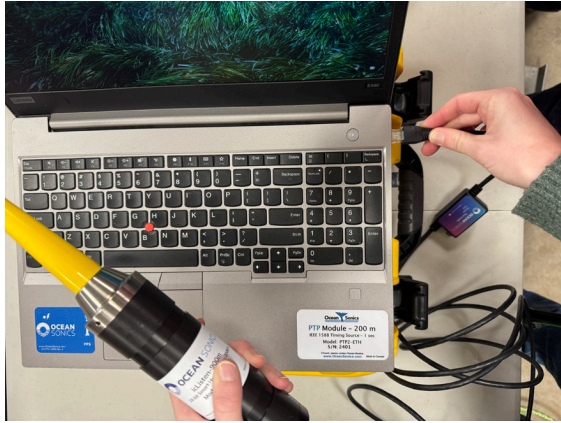
2 Turning On and Communicating with the icListen

To connect the MCOM-8M connector with the icListen please complete the following:

1. Apply Molykote lubricant to the MCOM-8F connector of the Test Cable.
2. Line up the holes and pins carefully to prevent damaging the connectors. See "Connector Care" on page 42 of the icListen User Guide for more information.



3. Thread the locking sleeve firmly, finger tight.
4. Connect the ethernet connector of the Test Cable to a network or laptop computer.



5. Connect the power cord to the power adapter.
6. Plug the power cord into a wall outlet.
7. Connect the barrel plug of the power adapter to the barrel jack of the Test Cable.
8. The hydrophone will buzz once, indicating power has been successfully applied.
9. The hydrophone will buzz twice, indicating a successful boot up and operation.
10. The Marco application should show the icListen status as green and connected to the network.
11. Double-click on the icListen row item in Marco to launch to icListen Web Server.
12. Alternatively, connect to your icListen with the Lucy II application.

3 Turning Off your icListen

Note: When power is removed from the icListen it continues to run until the internal battery expires. To fully turn off the hydrophone do the following:



1. Disconnect the power adapter barrel plug from the Test Cable barrel jack.
2. Connect the Power Down Tool red barrel plug to the Test Cable barrel jack.
3. After approximately one second, disconnect the Power Down Tool red barrel plug from the Test Cable barrel jack.
4. The icListen is now fully powered down.

Note: In preparing the iclisten for storage, the instrument should first be powered down, to ensure best battery life.