Data submission instructions

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Low-cost Hydrophone

Manual

Department of Marine Sciences
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Instructions for use

Recording with the recorder (Philips DVT 1120)

1. Connect the hydrophone to the recorder, to the top-right socket marked ''MIC''.

2. To start the recorder, press and hold down the switch marked ''HOLD ON/OFF'', on the left of the recorder.

3. After a few seconds, after the characteristic audio signal is heard when the recorder starts, the device will be ready for recording.

4. Press the round red button to start recording.

5. End recording. To end it, press the button with the white square.

6. To turn off the recorder, press and hold the switch marked ''HOLD ON/OFF'', on the left of the recorder.
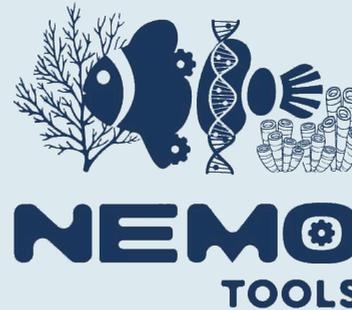
Note: Before recording, for the proper setting of the recorder's time/date, as well as for detailed instructions regarding the rest of its functions, please consult the manual included in the package.

Recording with a mobile (smartphone) device

1. Optional step: Download from the App Store "Easy Voice Recorder" or similar audio recording applications with the ability to record .wav files.

2. Connect the hydrophone to the mobile device via the jack socket of the jack adaptor.

3. Launch the recording application.

4. Start the recording.

Send us your recordings by visiting "cscience4all-bioacoustics.com" and following the provided instructions.

NEMO TOOLS

Our goal

NemoTools aims to create high-quality knowledge across all disciplines, to produce reliable and accessible methods of monitoring the environmental state in support of EU environmental policies, to extend the capabilities of existing scientific equipment and to increase the effectiveness of data acquisition systems at sea.

What we support

NemoTools supports the implementation of the Green Deal and the EU's 2030 Biodiversity Strategy, by advancing the latest technology in observation, mapping and monitoring of marine ecosystems and by improving our ability to assess marine ecosystems, biodiversity loss, and species range shifts due to climate change.

Hydrophone acoustic toolkit

The aim of this specific action is, on the one hand, the construction and distribution of low-cost hydrophones to citizen scientists, with the aim of evaluating and improving the prototype hydrophones and, on the other hand, the collection of acoustic samples from multiple different areas within the framework of a broader citizen science network.