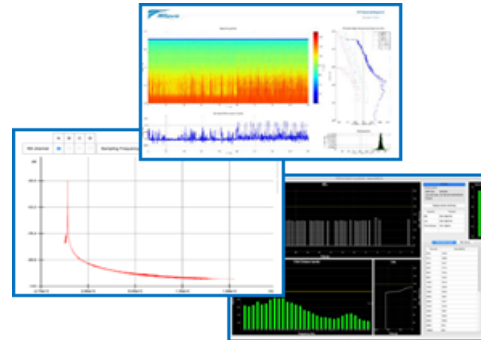


## RT-LISTENING SOFTWARE SUITE

Configure – Manage – Analyze – Report



### Description

RTsys offers a full software and tools suite for acousticians and not-acousticians to carry underwater noise analysis. It is compatible with all RTsys underwater listening systems. Based on ANSI, ISO and other international standards, this RT- Suite provides tools for trained and not-trained acousticians. For not-acousticians, it provides easy-to-use certified software suite to analyse underwater noise, saving a valuable time in report generation. For advanced users, it offers a versatile use for a more complex configuration and processing.

This software range is compatible with calibrated .wav data, coming out from RTsys SDA product range such as RESEA versatile recorders, REMHY and RHUBY remote autonomous buoys or PR-SDA14 portable recorders.

This software suite offers real-time management and programming of the devices, calibration tools, embedded-processing, calculation and display of calibrated sound levels (SEL, SPL, and third octaves), .png and EXCEL report editing .

### Features

- Real-time noise visualization and processing
- Calibrated measurements and certified standard calculation methods
- Noise and frequency level measurement
- Multi-screen display (FFT, spectrograms)
- Specific Alerts and thresholds configuration
- Reports generation and edition

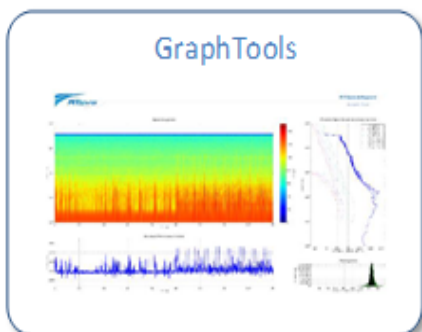
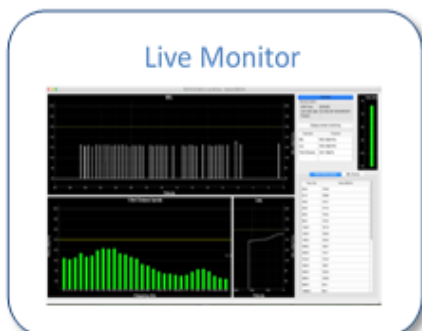
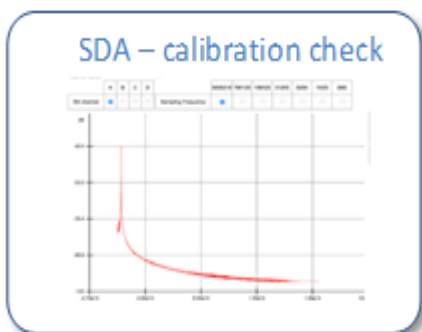
### Option

- integration into carrier (glider, rofiler, AUV)

### Software-suite Powered by SDA

- Embedded interface calibration
- Real-Time Live Monitor
- Real-time Manager & Serial Comander
- Post-processing Quick Report

Compatible with Windows and Mac



## Embedded interface mission configuration & data recovery

Embedded interface of RTsys listening systems allows an intuitive and versatile configuration of the device. It gives access to multiple settings and use modes such as sampling size, sampling speed, duty cycle parameters, selection of channels with gain and filters settings. A range of real-time scripts allows to realize accurate pistonphone calibration and to make real-time recording and data recovery at any time.

### • Real-Time Manager & Serial Commander

Real-time Manager and Serial Commander are additional software tools dedicated to a connected use, whether cabled or wireless.

RT-Manager allows to access different units simultaneously on any connected computer. The use is simplified to allow a non-acoustician to do key actions such as setting time, recovering data, restating missions.

RT-Serial Commander provides direct compatibility of SDA14 devices with external serial command unit such as glider or profiler platform.

### • Real-Time Live Monitor

RT-Live Monitor is an interface compatible with the VHF remote communication option of SDA14 range of RTsys listening systems.

When activated, embedded calculation inside the recording device can be accessible and displayed in real-time with an easy not-acoustician interpretable interface. Live Monitor calculates, steams and displays the Sound Pressure Level (SPL), the Sound Exposure Level (SEL) and the 1/3rd octave band on a 2Hz to 20kHz bandwidth.

RT-Live-Monitor provides a perfect solution for real-time noise monitoring and can be a key help decisional tool.

### • Post-processing Quick Report

Quick Report is a post-processing tool providing an easy way to answer basic underwater sound processing and gathering this baseline processing in a redacted report.

Quick-Report is provided with all SDA14 devices. It is used by drag & drop of .wav files, and generates images and excel reports with information such-as third octave bands, event detections, impulse noise levels, etc.

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## RTsys Activities

- Underwater acoustics
- Embedded electronics
- Underwater drones
- Sonar solutions
- Systems integration
- Customized R&D