

## LOW-POWER HYDROPHONE RECORDER

Autonomous – Compact – Easy to use



### Description

SYLence recorder is a turnkey low-power autonomous hydrophone recorder.

SYLence recorder is equipped with a single hydrophone sensor and a low power recording system (600 mW).

SYLence recorder dynamic allows monitoring simultaneously all types of sounds from mammals to very high level noises.

SYLence recorder is very low-power and can record up to 45 days of data with only 18 D Cell batteries. Additional battery packs, hard-drive storage capacity and mission schedule mode can improve deployment lengths.

Configuration, monitoring and data recovery are facilitated through intuitive web browser interface.

### Applications

- Ambient noise
- Environmental monitoring
- Marine renewable energies
- Cetacean research
- Seismic / Shipping / Construction

### Options

- Temperature – Pressure

### Characteristics Powered by SDA

- Versatile
- Low power & broadband
- High-quality data
- Easy to use
- Easy to recover

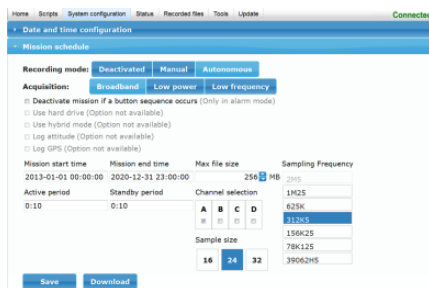
- Dim.: D: 12 cm – L: 55 cm
- Weight: 7 kg in air, 2 kg in water
- Depth: 200 m
- Energy: 18 Alkaline or Li-SoCl<sub>2</sub> D Cells
- Storage: 128 GB SD Card



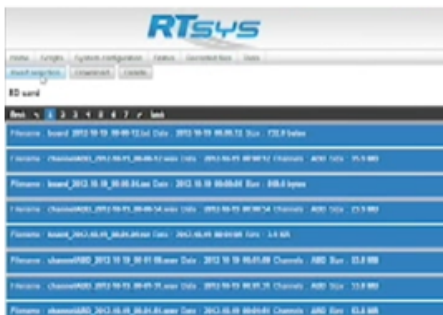
Connect SYLence recorder to Ethernet cable



Connect cable to any computer Ethernet input



Then program mission via Web Embedded Interface



Download data recorded through Ethernet connection

Hydrophone is easily plugged in and out from the recorder. SYLence recorder can be equipped with additional options:

- Temperature & pressure sensor
- Hydrophone cable length
- Broadband hydrophone

### Low power and broadband

SYLence power consumption is only 600 mW in low-power recording mode and less than 3 mW in sleep mode.

Selectable recording frequencies proposed are 1 kHz, 2 kHz, 4 kHz, 8 kHz, 16 kHz, 32 kHz, 48 kHz, 96 kHz and 192 kHz in SYLence mode and from 39 kHz to 1250 kHz in classic mode.

### High quality of data

Data is digitized with high acquisition performance in 16 or 24 bits in .wav standard format, directly compatible with processing programs such as ©Matlab, ©LabVIEW and ©PAM-guard.

### Easy to use – Easy to recover

Light and compact, SYLence can be easily deployed by a single person.

The web browser interface gives intuitive access to configuration of the recorder and to the recorded files.

To recover data it is not necessary to open the recorder. A simple cable connection from the recorder to Ethernet input of any computer and a web browser are sufficient to download data at over 7 MB per second.

### Versatile

## Contact

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