

# MB Receiver



The MB Receiver is a portable system for underwater noise measurements and assessments which has been designed for high frequency CO.L.MAR. GP series hydrophones. The device has the following features:



Up to 4 hydrophones input channels, USB data output

Ultra fast A/D converter inside, NI9222 up to 500 Ks/s 16bit

Fitted with an internal rechargeable battery that guarantees more than 24 hours of autonomy

Very easy to carry, small dimensions and only 2kg of weight

Proprietary software available for data processing and spectral analysis

*National Instruments module*

**NI 9222**  
**±10 V, Simultaneous Analog Input, 500 kS/s**  
**4 Ch Modules**



- 4 differential channels, 500 kS/s/ch (NI 9222) sample rate
- ±10 V measurement range, 16-bit resolution
- 60 VDC channel-to-channel, CAT I isolation

**Optional Items:**

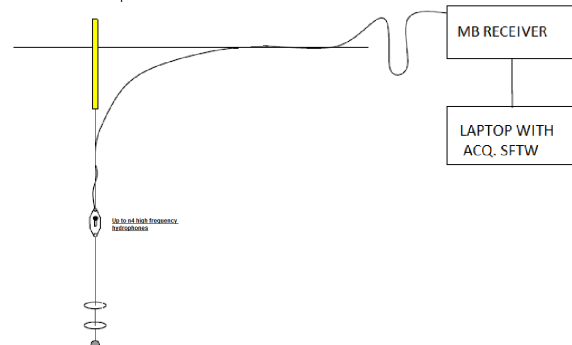
**Colmar GP series hydrophones**

**Colmar GP Hydrophone Calibrator**

*MB Receiver front panel*

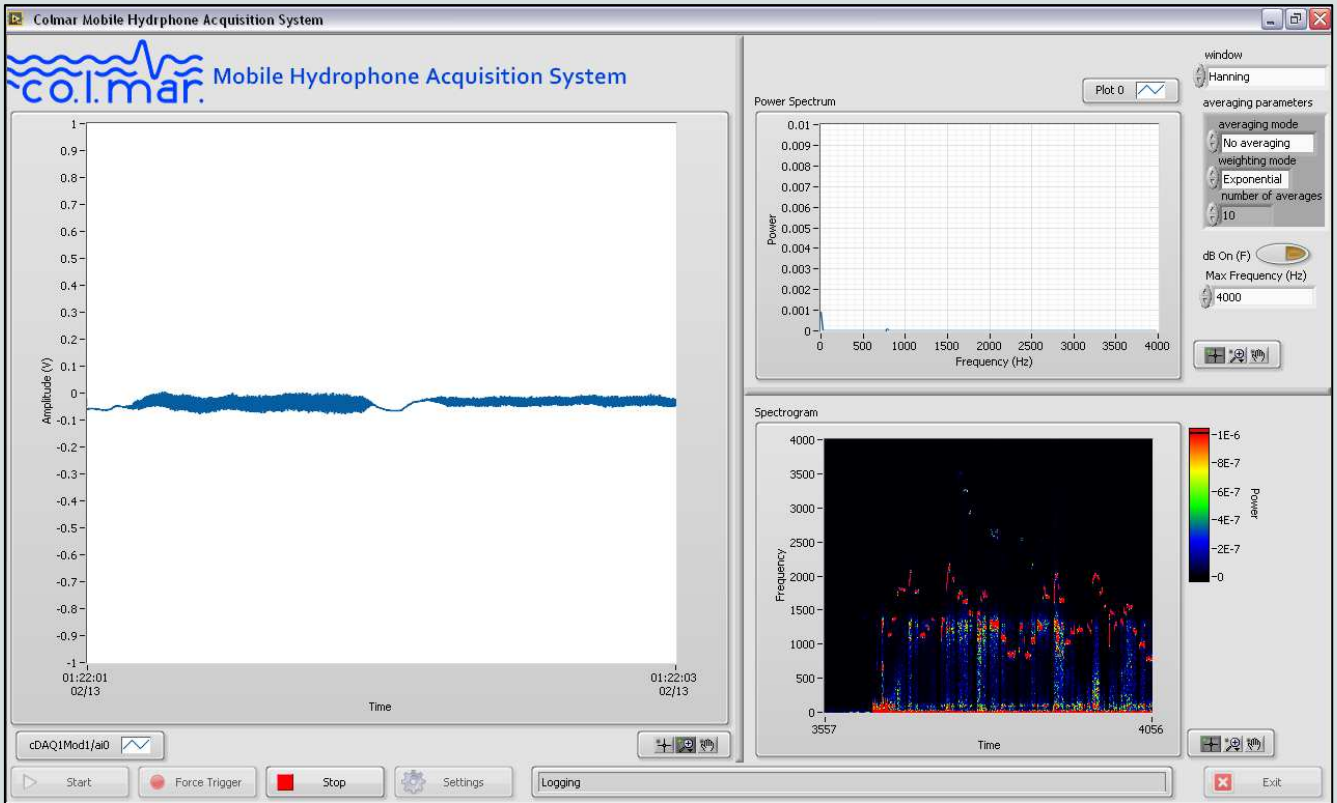


Below a schematic plan:



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- ⇒ Allows to visualize the recorded stream in time and frequency domain and save it as a .wav file.
- ⇒ Change scales and Zoom in / out on the portion of the desired stream
- ⇒ Visualize the power spectrum of the signal and change the parameters (window, average settings, maximum frequency, dB visualization)
- ⇒ Configure the acquisition parameters, sample rate and logging path.
- ⇒ Custom software on demand available