Real Time Sound Acquisition System

The **NGARA** Sound Acquisition System offers full measurement flexibility, simultaneously producing the following acoustic measurements:

- Fast SPL-A
- Fast SPL-C
- L_{eq}-A
- L_{eq}-C

In addition to the above measurements the Ngara platform is also capable of storing raw audio data (wav files) to thumb drive, capable of post processing the majority of your acoustic needs. All of this in a low-power 12 volt environment.

Control and Configuration

Simple control and configuration of the logger can be accomplished through the push-button interface.

More advanced control functions are also made available through the remote host software. This may include:

- Network settings
- Alarm functions
- Triggering events
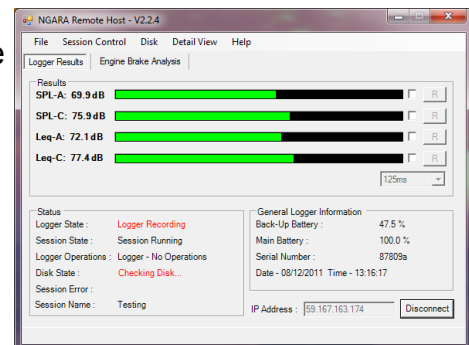
Additional options include;
- 3G Modem for remote access
- Solar panel modification for extending battery life

Available Interfaces
- Two USB ports used to interface data storage devices
- One Ethernet port allowing communications with the logger for control and configuration via the Ngara host software
- Optional external push-button input to trigger recording of raw data

Note: Specifications are subject to change without notice.

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Anywhere, anytime...
When using a 3G Modem Ngara, the real time SPL-A/C and Leq A/C can now be viewed via your iPhone and iPad using the Ngara App. You can also start and stop a session

Triggering Events
The logger may initiate the recording of raw data (wav file) on triggered events. These events may include:
• A predetermined SPL level (A or C)
• A predetermined Leq level (A or C)
• A predetermined statistical percentile reaching a specified level (SPL or Leq)
It is possible to configure the amount of data to record before the event occurred (up to 9 minutes), as well as the amount of data to record after the event (up to 9 minutes or continuous)

Wake-Up Alarm Function
The logger can be set to wake up automatically, and either start a new logging session or power on its network interface. Alarms may be set daily or weekly, and can be recurring or single shot.

Specifications

Instrument Type	Type 1
Microphone Type	1/2" Condenser
Microphone Noise Floor	20dBA (Typically)
Electronic Noise Floor	20dBA (Typically)
Frequency Response	A and C
Time Response	5ms, 125ms
WAV File Specifications	48kHz
Measurement Range	20-120dB
Measured Data	SPL-A & SPL-C Leq-A & Leq-C Temperature & Battery Voltage
Environment	-10°C to +50°C
PC Interface	Ethernet

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