

NoiseScout

Unattended Noise Monitoring Solution



Applications

- Base-line surveys for planning
- Construction site monitoring
- Road traffic noise monitoring
- Entertainment venue management
- Neighborhood noise pollution measurements
- Environmental & community noise surveys

NoiseScout is an easy-to-use solution for remote monitoring of ambient noise by an unattended sound level meter. The system transmits the acquired data via Ethernet or a mobile network to an internet webserver, which allows further analysis, downloading and documentation.

During acquisition, automated email alerts inform the user about noise issues that need to be addressed.

Noise Monitoring in Managed Mode

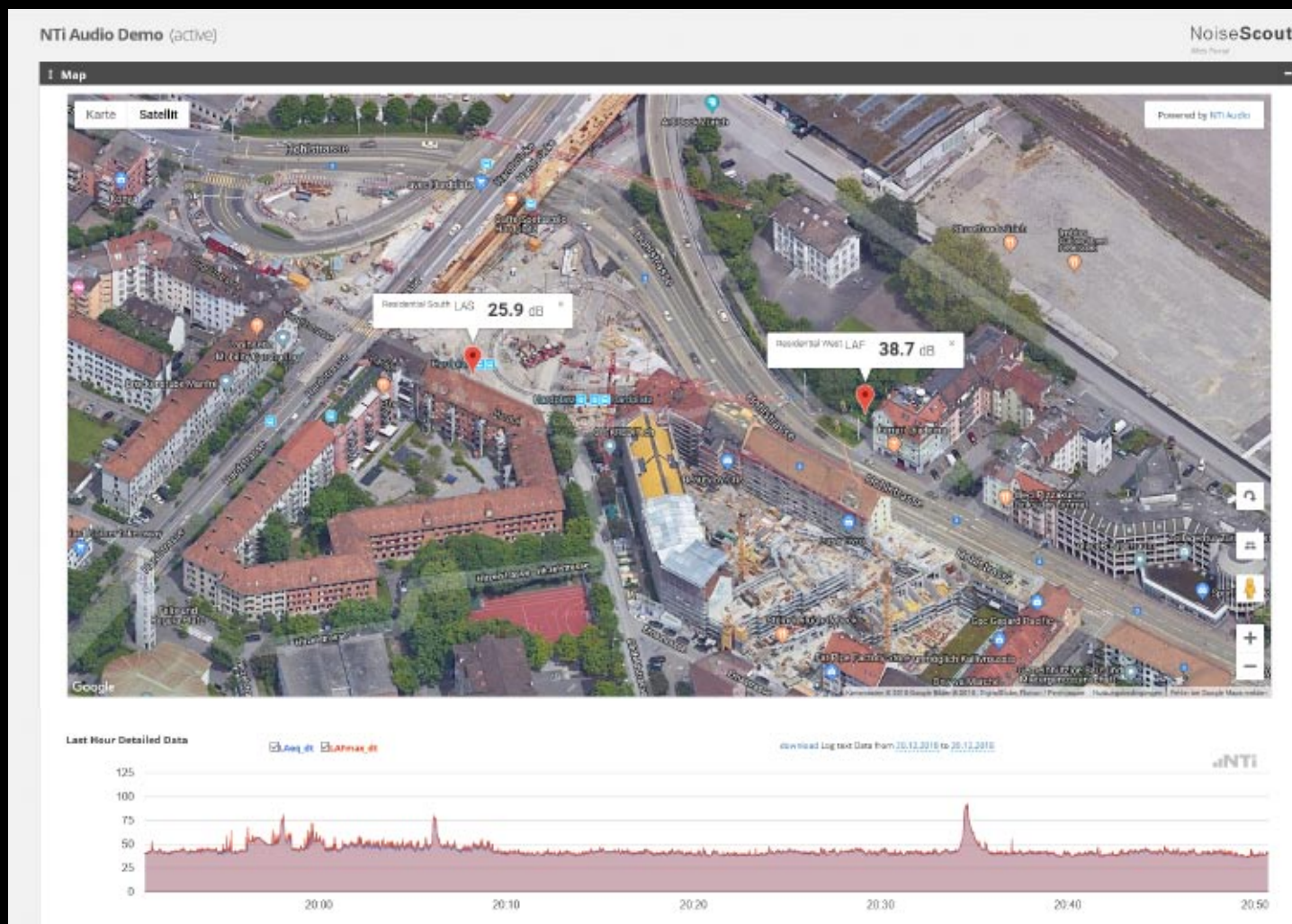
NoiseScout displays the noise levels measured by the XL2 Sound Level Meter live in your web browser. The measurement data recorded out in the field is presented online in charts and dash-boards. Multiple noise level meters can be monitored simultaneously within the map view, thus providing localized geographic visualization for all noise levels at a glance.

Email alerts

Audit level limits

Instant data access

Online data download



NoiseScout in Managed Mode

Smart Decision Making

The NoiseScout monitoring solution reports compliance violations and data connection irregularities by email. Audio recordings on alarms and the ability to listen to live audio, assists with the identification of causes of noise. From this information, preliminary reports can be generated while the measurement continues. This facilitates quick responses to noise issues so that they are addressed before a non-compliance condition arises.

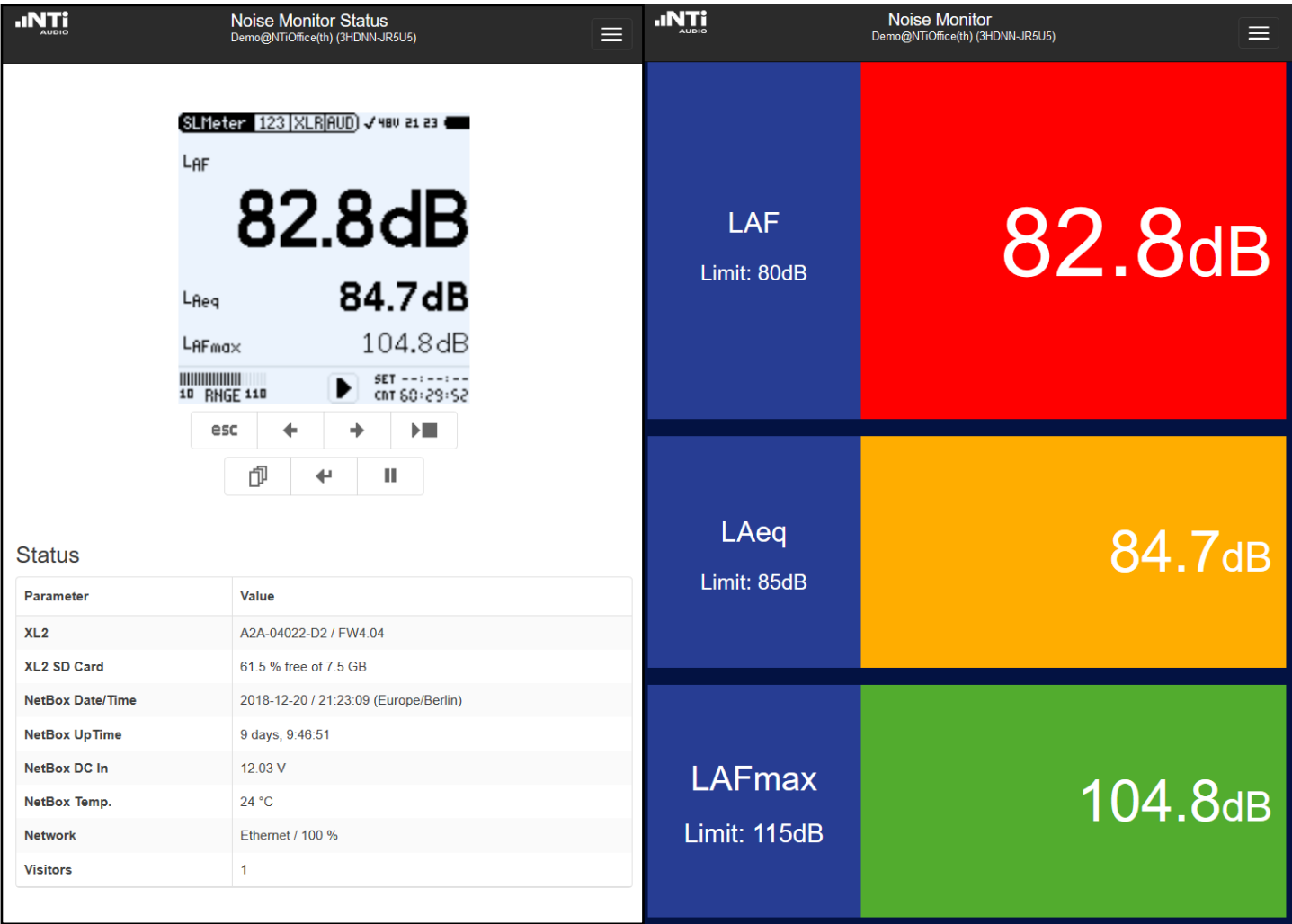
Secure 24/7 Noise Monitoring

No data will be lost if communication to the NoiseScout Servers is interrupted. Measurement data is buffered for transmission on the XL2 Sound Level Meter. In case of any lost connection, the NetBox will synchronize the recorded data to the NoiseScout Servers as soon as communication is re-established. The NoiseScout Servers are built on a scalable architecture and the latest secure data center technology.

Noise Monitoring in Gateway Mode

As alternative to the Managed Mode, the XL2 Sound Level Meter can also be connected to your web browser by using SFTP (Secure File Transfer Protocol). This offers more freedom in controlling the measurement system and retrieving the acquired data such as audio file recordings even during an ongoing measurement.

- Remote control
- Secure FTP access
- Plug-and-play solution
- 3G and LAN communication



NoiseScout in Gateway Mode

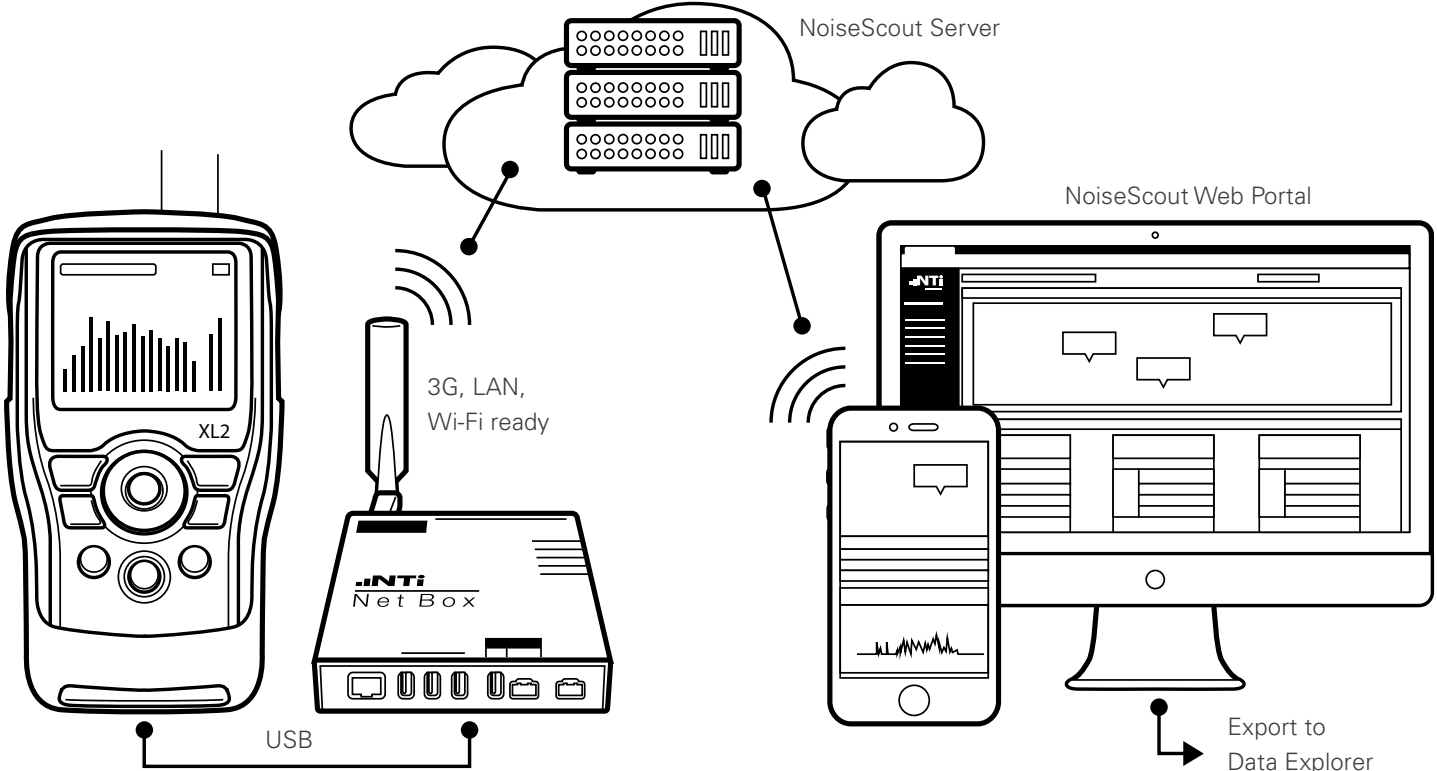
Remote Control

The remote access allows full control of the XL2 Sound Level Meter. All remote measurement commands available on the XL2 are supported. For example, the noise measurement data may be captured in real time into a computer application, e.g. C#, MS Excel or LabView. You may program a customized measurement application for remote sound level monitoring, audio analysis or automated measurement tasks.

Flexible Data Service

NTi Audio manages and facilitates remote access to the XL2 Sound Level Meter for your convenience. The offered infrastructure overcomes the limitations of local area networks and avoids the necessity for you to set up a router with a direct connection from the NetBox to your PC. The remote access is offered within an annual subscription service or an alternative "pay-per-use" credit scheme, providing transparent and predictable cost control.

NoiseScout - the versatile unattended Noise Monitoring Solution



The XL2 Sound Level Meter measures the noise levels continuously and buffers all data for transmission.

The NetBox communication hub connects the XL2 to the NoiseScout Server. It synchronizes the noise data with the server and provides real-time info to the NoiseScout Web Portal.

The NoiseScout Web Portal presents the live sound level data in responsive pages optimized for viewing on PCs, tablets and mobile phones.

The XL2 Data Explorer software offers the tools dedicated to comprehensive noise data analysis and reporting on PCs.

Specifications	
XL2 + M2230-WP	• Class 1 Sound Level Meter with Outdoor Measurement Microphone • Meets IEC 61672, IEC 60651, IEC 60804, IEC 61260, ANSI S1.11 • Leq, min, max, peak, actual • Frequency weighting: A, C, Z (simultaneous) • Time weighting: Fast, Slow, optional: Impulse • Percentile statistics (optional) • Level Range: 17 dB(A) – 138 dB • Bandwidth: 4.4 Hz – 23.6 kHz • Logging interval: 1 second and higher
Online Monitoring	• Selectable Noise Levels • Data Connection • Supply Voltage • Temperature inside NetBox
NoiseScout Usage	• Annual subscription service or • Pay-per-use: Credits are debited by individual calendar days of system usage. Credits apply for a single user and may be shared amongst multiple XL2s of the same user

Order Information	
XL2 Sound Level Meter	600 000 330
Extended Acoustic Pack (for live Ln)	600 000 339
Data Explorer Option	600 000 430
M2230-WP Outdoor Measurement Microphone	600 040 055
NetBox (LAN ready)	600 000 450
NetBox with 3G Modem	600 000 458
NoiseScout 365 (annual subscription) or Data Credits	600 000 437
30 Days	600 000 490
100 Days	600 000 491
366 Days (1 year)	600 000 492
1096 Days (3 years)	600 000 493

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