

Trojan Noise Nuisance Recorder

The easy and effective noise nuisance recorder for local authorities and environmental health officers



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What is Trojan?

Trojan is an advanced noise nuisance recorder, designed and manufactured in conjunction with local authorities and housing associations to provide all the functionality needed to investigate noise nuisance complaints successfully.

How Trojan will benefit you and your team

Using Trojan is like having an additional team member that doesn't mind working late nights or weekends.

- Have confidence in the suitability of the tools for the job, as the Trojan has been specifically designed for noise nuisance measurements
- Free up resources and limit the time you need to spend in residents' homes, with an uncomplicated setup procedure and easy operation
- Prioritise your caseload and give your residents a sense of empowerment with our free NoiseAid web app, allowing residents to log instances of noise nuisance before you start a full investigation
- Get more detailed insight into noise nuisance complaints with high-quality audio recordings that are automatically captured and stored when each measurement is taken
- Operate between properties with ease and discretion, as the Trojan is supplied with an unmarked rucksack and lightweight case
- Enjoy peace of mind knowing that the data you have collected is accurate and reliable, as the Trojan's design and operation makes it secure and tamperproof
- Always have access to the help and support you need, with our in-house team of noise experts

- Analyse your data and create the reports you need for any legal proceedings with our licence-free NoiseTools analysis software, which is included as standard with every product

Licence-free software that enhances your experience and makes your job easier

We've been in the industry for more than 50 years and understand that having the right instrumentation is only half of the solution to obtaining effective noise measurements. The other half is the complementary tools that enable you to understand your data and help make your already-difficult job, more straightforward.

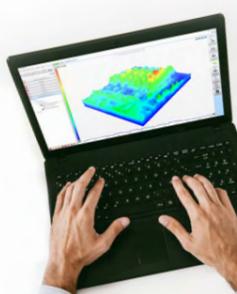
“The Trojan is simple to use and has the functionality necessary for noise nuisance to be accurately measured”

- London Borough of Newham Council

Comprehensive noise data analysis and audio playback with NoiseTools

Reviewing noise data and audio recordings is an essential part of any noise nuisance investigation, which is why we provide this functionality, and more, as standard with every Trojan noise nuisance recorder:

- Everyone in your team automatically has access to all the functionality that's essential for noise nuisance investigations, as NoiseTools is supplied free of any licence restrictions
- Enjoy a better and more comprehensive understanding of the noise nuisance with high-quality audio playback
- Promote your organisation's professionalism and demonstrate your expertise to key stakeholders with detailed noise analysis reports that carry your branding
- Always have access to the latest features with free lifetime updates



Gather evidence, prioritise your caseload and empower your residents with NoiseAid

Resources are often hard to come by, which can pile on the pressure when there's a growing stack of noise nuisance complaints hitting your desk. Knowing which cases need to be prioritised while ensuring that your residents' complaints are dealt with can be difficult. We developed NoiseAid to meet this challenge.

NoiseAid is a web-based application that can be accessed on any internet-enabled device. You will be given an organisation account where you can provide residents with unique login details, allowing them to record each instance of noise nuisance, including the type, severity, and duration. You can then review this information from your organisation's portal and allocate additional resources to those cases you deem most severe.

- Prioritise your caseload and allocate resources more effectively by assessing which noise nuisance cases are most severe and in need of further investigation
- Have a better understanding of each complaint before you deploy your Trojan noise nuisance recorder by gathering preliminary evidence for every case you receive
- Avoid unnecessary kickback from residents who claim their complaints aren't being taken seriously, by empowering them with the ability to take action to record instances of noise nuisance
- Provide access to as many residents as you need, as NoiseAid is free from any restrictions on user numbers

Access the Trojan in the way that works for you

We're here to work with you and make having the right equipment for easy and effective noise nuisance investigations more accessible. Which is why we offer a range of options to allow you to access all the benefits of the Trojan noise nuisance recorder:

- Purchase your Trojan with a one-off payment, avoiding long contracts and regular payments
- Hire your Trojan as and when you need it and commit less of your budget; you could also receive up to two week's of the rental cost back if you decide to purchase within three months

- Trade-in your existing noise nuisance recording equipment and received a discount on your new Trojan noise nuisance recorder

“We find our Trojan recorders are in constant use all year round”

- Wakefield District Council



Included with Trojan

- Class 1 sound level meter, which can be removed and used separately for on-the-spot environmental noise checks*
- Class 1 acoustic calibrator, allowing you to ensure that your instrument's microphone is working accurately before each period of noise measurement
- Microphone windshield, mount, and tripod, so you or residents can position the microphone in the most effective place to capture the extent of the nuisance noise
- A wireless remote control to allow residents to start and stop recording instances of nuisance noise quickly and easily



*Trojan² only

Product Specifications

Sound level meter*

Trojan A (CR:199A)
Handheld data logging sound level meter to IEC 61672:2013 Class 1.

Trojan B (CR:199B)
Handheld data logging sound level meter with 1:1 and 1:3 octave band filters to IEC 61672:2013 Class 1 and IEC 61260.

The internal sound level meter is removable from the Trojan² for use in other non-noise nuisance situations.

Acoustic calibrator
94dB acoustic calibrator to IEC 60942:2003 Class 1.

External housing
Robust Peli™ Case with anti-tamper security tags. Supplied in rucksack for discreet deployment.

External power
100V to 240V AC mains adaptor.
12V 1.25A DC converter. Automatic restart after power failure. Fixed power cable.

Internal power
4 x AA cells to provide 8-hour operation in case of power failure.

Memory
4GB as standard. Optional expansion to 32GB.

Default 77 days 5 hours' worth of measurement data and 17 hours 15 minutes' worth of audio data. This can be changed using the partition editor in NoiseTools software.

AuditStore™
Non-volatile measurement verification store for peace of mind.

Resident controls
Wireless 2-button remote control (start/stop).
2 included with lanyards. (1 with Trojan^{LITE})
Optional wired remote. Programmable length pre- and post-triggers for audio recording.*
Default auto-stop of audio recording after 5 minutes. Can be customised from 2 minutes up to 4 hours.

Resident display
Power LED (green on mains / orange on battery).
Remote control status LED (blue).
Audio recording status LED (red).

Weight
2.6kg (including sound level meter)

Dimensions
296mm x 212mm x 96mm

Microphone
1.5m extension cable. Mini 'tabletop' tripod to mount microphone and preamp. Windshield for microphone protection.

Sound Level Meter Acoustic Performance (Summary)

Measurements
LAeq, LCEq, LZeq, LCPEak, LAPEak, LA1eq & LX1Max.
Time history of all parameters.

Time history rates
10ms, 62.5ms, 125ms, 250ms, 500ms, 1s, 2s.

Statistical analysis
LNs - L90/L10

Measurement range
20dB to 140dB RMS in a single range.

Noise floor
< 18dB(A) for Class 1.

Frequency weightings
A, C & Z simultaneously.

Operating conditions

Operating temperature
-10°C to +50°C

Storage temperature
-20°C to +60°C

Humidity
95%RH non-condensing

VoiceTag*
Up to 30 seconds of audio notes with each measurement.

Audio recording
Based on 1s time history without timers:

Standard quality - 32 hours 45 minutes. 16bit/16kHz.
High quality - 7 hours 15 minutes. 24bit/48kHz.*
Studio quality - 2 hours 30 minutes. 32bit/96kHz.*

Software
NoiseTools and NoiseAid (web-based application).

*Trojan² only

Product ordering codes and available accessories

Trojan ² A	CK:199A
Trojan ² B (with 1:1 and 1:3 octave band filters)	CK:199B
Trojan ^{LITE} noise nuisance recorder (without removable sound level meter)	CR:199L
Upgrade from Optimus+ Green sound level meter	MO:199/4
Wired remote control for Trojan ²	RC:198B
Wired remote control for Trojan ^{LITE}	RC:198
Spare wireless remote for Trojan ² and Trojan ^{LITE}	RC:199
2m microphone cable for Trojan ² and Trojan ^{LITE} with inline grommet	ZL:192
Portable loudspeaker for noise nuisance playback	LS:1