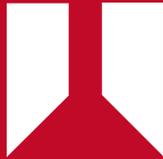


The simple, effective way  
to measure noise nuisance



**Trojan**<sup>LITE</sup>  
Noise Nuisance Recorder

 **Cirrus**  
Research plc  
dedicated to noise measurement



**Pelican**  
PIC 100  
60470

# Designed to meet **your** needs

Designed to meet the needs of Housing Associations and anyone who needs to measure, monitor and record noise nuisance, the Trojan<sup>LITE</sup> Noise Nuisance Recorder is both simple to use and easy to deploy.

After consultation with existing customers and users of noise nuisance recorders, we've included a range of standard features to help ensure you get the best from the equipment.

On the following pages, you'll find details of how these features can help you make effective noise nuisance measurements and recordings, as well as how the Trojan<sup>LITE</sup> can help make the most of your investment.



# Features designed around our **customers** needs...

When we were designing the Trojan<sup>LITE</sup>, we spoke to both existing and potential users to find out what was really important and which features they thought were essential.

The Trojan<sup>LITE</sup> has been designed using these comments and feedback in mind. On the following pages there are a few of the key points that we've incorporated following this research.



### **Quick, simple and easy to set up**

When you are deploying a noise nuisance recorder, it's vital to know that you'll get good quality recordings and noise measurement data.

With the Trojan<sup>LITE</sup>, there's no need for step-by-step instructions. Just plug in, calibrate and you're ready to go.

If you forget to press start, the instrument will automatically start measuring after 10 minutes.

The Trojan<sup>LITE</sup> is preset to measure 24 hour blocks of data, making it easier for you to find the problem areas and listen to the recordings that have been made.

### **Wireless remote control**

It may seem a simple thing, but having a wireless remote control was the most common request that came out of our research.

If your user has limited mobility or if the noise nuisance recorder is placed in a different room, being able to start and stop the kit without having to run back to the box can be very useful.

It can often be the difference between getting a useful, good quality recording and no recording at all.

The Trojan<sup>LITE</sup> is supplied with one remote control and we can supply additional units if you need to replace or add more.

### **High quality, high resolution audio recording**

The standard audio recording on the Trojan<sup>LITE</sup> uses a 16bit/16kHz uncompressed WAV file.

This gives you plenty of frequency range (up to 8kHz) and a wide dynamic range (up to 96dB), so your audio recordings can handle both high and low levels with no loss of quality.

This is vital if you want to capture both low levels at night and higher levels during the day (such as doors banging or music playing) and be able to clearly identify what was the source of the noise.

There's no risk of overload or under-range in your measurements or audio recordings.

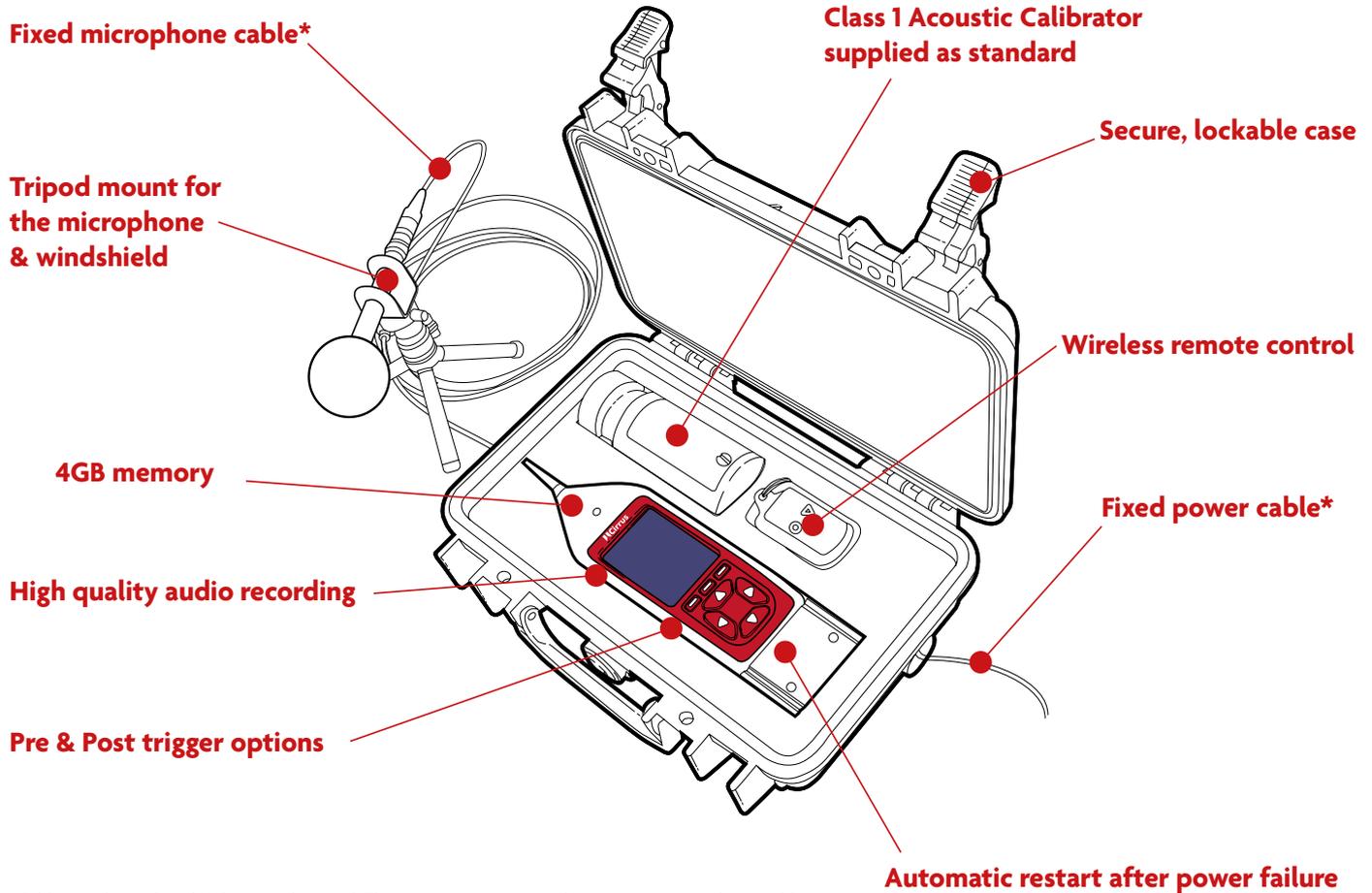
### **Fixed cables**

Once the case is locked, the power cable and microphone cable are fixed. This means there's no risk of the cables being pulled out either accidentally or deliberately.

The worst thing that can happen is that the power cable is pulled out just after you've left, meaning that you only get a few hours' data until the batteries go flat.

The Trojan<sup>LITE</sup> avoids these issues whilst maintaining the ease of use demanded by our customers.

# Features designed around our **customers** needs...



\*Cables can be replaced if they get damaged. The user cannot remove the power or microphone cable.

### **4GB memory**

Each Trojan<sup>LITE</sup> is supplied with a 4GB memory as standard.

We don't use removable memory cards as there's a risk that they can be lost, corrupted or damaged.

The quality of memory cards also varies hugely and with a growing market in fake memory cards you may not get what you pay for.

With the Trojan<sup>LITE</sup> you can also guarantee the chain of data from the instrument to the software. A useful feature if you need to present measurements and recordings as evidence.

### **Pre & Post Trigger options**

The pre and post trigger times for the audio recording are fixed at 20 seconds.

Both of these can be disabled if your procedures require it but you get full control over what suits you best.

### **Licence-free software**

The NoiseTools software is supplied, as standard, free of charge and without any installation or licencing restrictions.

You are free to install the software onto as many desktops, laptops or servers as you need and there's no extra cost. Updates are free of charge as well so there's no on-going cost with the software.

### **15-Year Warranty**

All of our noise measurement equipment is backed by our 15-Year 'No Quibble' Warranty.

Each time your instrument is calibrated by us, we'll extend the warranty by a further 12 months up to a maximum of 15 years.

### **Designed, Manufactured & Supported in the UK**

The Trojan<sup>LITE</sup> has been designed and manufactured by Cirrus at our factory in North Yorkshire, from where we provide the support, training and backup direct to our customers.

This means that if you have any questions, you can speak to the team who designed the Trojan<sup>LITE</sup>, as well as having direct access to your sales consultants as and when needed.

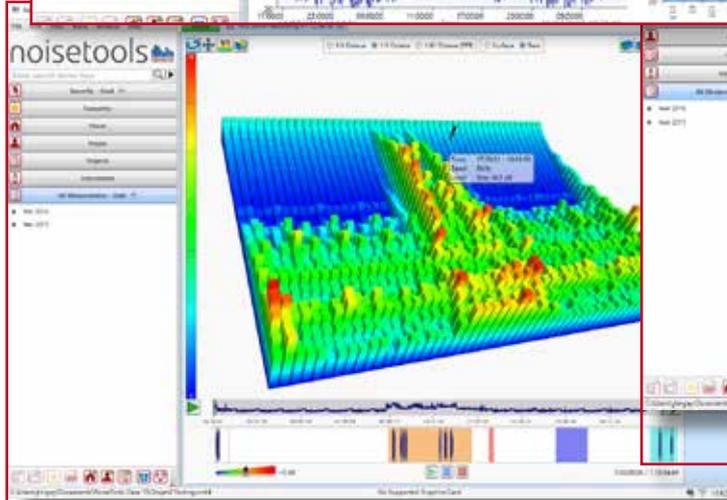
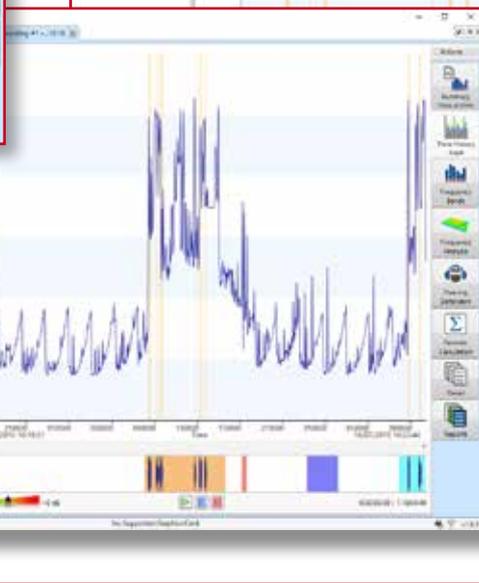
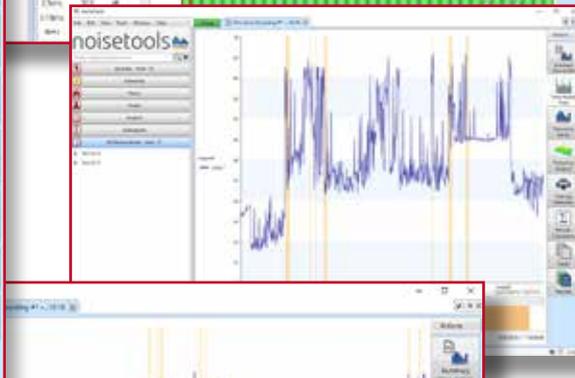
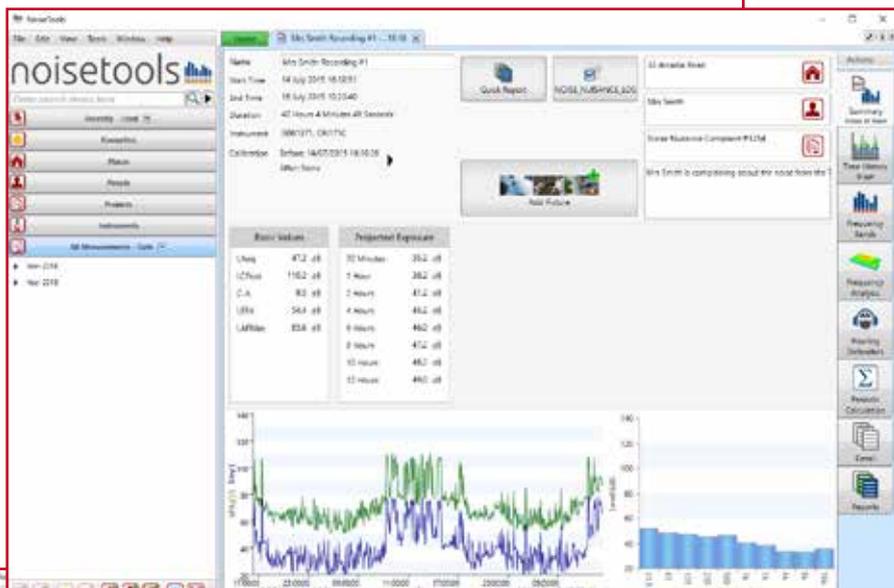
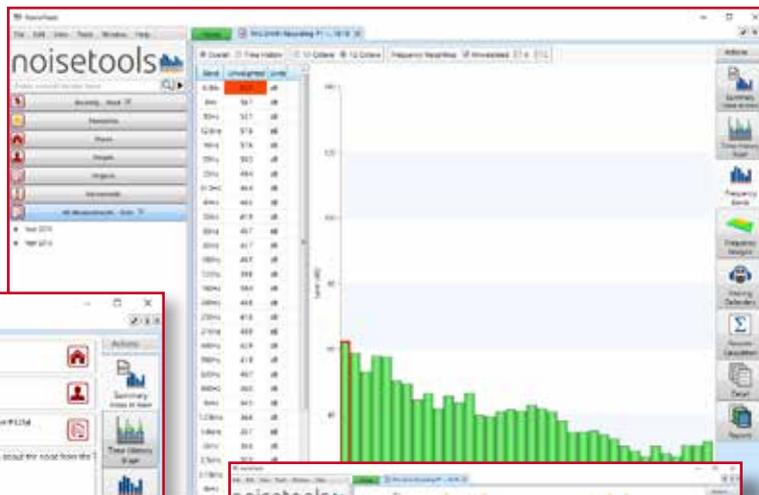
### **Automatic restart after power failure**

The Trojan<sup>LITE</sup> is designed to be mains powered (with secure cables) but it will switch to it's own internal batteries if the mains power is lost.

What's important is that when the power is restored, your noise nuisance recorder will start up again and continue to operate. The Trojan<sup>LITE</sup> will automatically restart when the mains power is restored even if it's internal batteries are flat.



# Cirrus noisetools software



# The NoiseTools software

The NoiseTools software is a key part of the Trojan<sup>LITE</sup> system.

It provides you with the ability to download measurements and recordings, view data and replay audio files directly from your PC.

The measurements are stored in a simple tree structure, so you can easily find the information you need. You can tag data with a place, person or project to organise the information for later analysis.

If you're going to replay the audio recordings through speakers, NoiseTools has a built-in calibration system. This lets you adjust the levels to accurately represent those at the time of the recording.

Best of all, NoiseTools is supplied **free from any installation or licencing restrictions**. There are no dongles, keys or special codes needed. You can install the software onto as many laptops, desktops or servers as you need at no cost.

Updates are free of charge and you can always download the latest version from our website.

“

The Trojan is particularly invaluable when the noise nuisance is sporadic.

**Useful for catching out falsified recordings..**

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

”



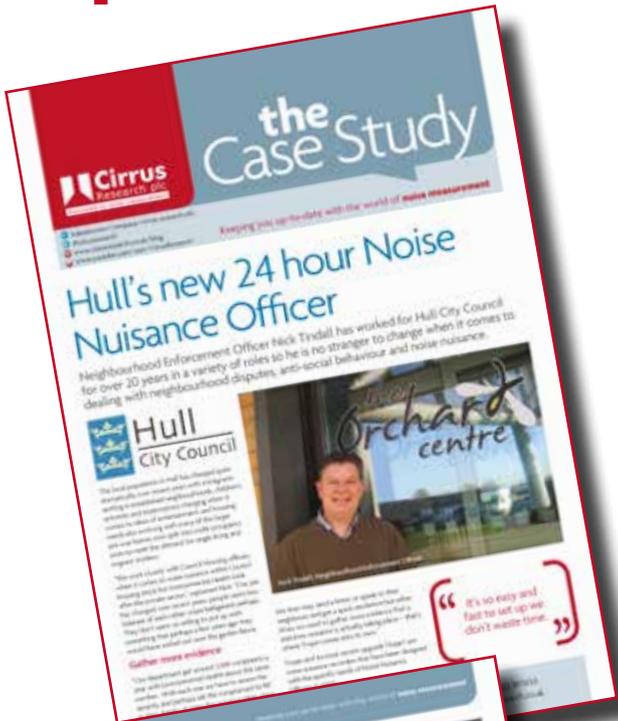
# What our customers say...



At Wakefield Metropolitan District Council, Jill Edmondson is Team Leader in the Communities Environmental Health Department and has special responsibility for noise nuisance. Her team of Officers cover an area that encompasses a city centre, several towns, urban housing, industrial zones and rural settings - each bringing with it their own unique issues when it comes to noise nuisance.

“The Trojan is particularly invaluable when the noise nuisance is sporadic. It gives us a very clear picture of what is going on. The equipment users like the remote control and being able to switch on the recorder from most rooms in the house whenever the noise starts. We find our Trojan recorders are in constant use all year round.”

“ Having a Trojan is like having another officer on the team. It’s so easy and fast to set up we don’t waste time. ”



# What our customers say...



Neighbourhood Enforcement Officer, Nick Tindall, has worked for Hull City Council for over 20 years in a variety of roles. He is no stranger to change when it comes to dealing with neighbourhood disputes, anti-social behaviour and noise nuisance.

“Having a Trojan is like having another officer on the team. It is discreet and we can be in and out without arousing suspicion. It’s so easy and fast to set up we don’t waste time – it does the job of an officer where we can’t due to time constraints and not knowing how or when the noise is going to occur. It does everything we want at the end of the day.”



# A little bit about Cirrus and what we do

Cirrus Research is a world leader in the creation of noise measurement instruments. Since 1970, Cirrus' mission has been to make monitoring noise simple. Today, thousands of companies around the world are using our instruments to help them comply with the Standards and Regulations that govern noise.

Our products cover a wide range of applications, including occupational noise, environmental noise, noise nuisance, airport noise monitoring and OEM products.

Cirrus Research is a Key Sponsor of the Institute of Acoustics and is a member of the British Safety Industry Federation's Registered Safety Supplier Scheme



ISO 9001:2008  
FM 531001



ISO 14001:2004  
EMS 552104





Ask the

**NOISE**  
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