USER MANUAL





Noise Exposure Management Software

HB4088-01

March 2019

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Disclaimer

Prior to using your dBadge2 and the NoiseSafe software, please thoroughly read both this manual and HB4056 for the dBadge2 Instrument.

At the time of writing, this manual was up to date but due to continual improvements the final operating procedures may differ slightly from those in the manual. If there are any questions please contact Casella for clarification.

Casella makes continual advancements in its products and services. We therefore reserve the right to make changes and improvements to any information contained within this manual.

Whilst every care is taken to ensure that the information in this manual is correct, Casella will assume no responsibility for loss, damage or injury caused by any errors in, or omissions from, the information given.



Introduction

Noise induced hearing loss (NIHL) remains one of the world's leading occupational diseases and it has been estimated that 16% of global hearing loss is due to occupational noise exposure. It is acute in the mining, construction, oil & gas sectors but also in a wide variety of industrial manufacturing and other commercial activities where the cumulative effects of excessive noise exposure could lead to this avoidable disease.



Noise exposure measurements using a personal noise dosimeter such as dBadge2 form a recognised method of making an exposure assessment as required by regulations and/or standards such as CFR 1910.95 Occupational noise exposure (USA), ISO9612:2009 Acoustics – Determination of occupational noise exposure – Engineering method and HSE Document L108 Controlling Noise at Work – Guidance on Regulations.

It is an understatement to say that Personal noise exposure measurement can be confusing! Given the diverse and somewhat daunting range of noise exposure monitoring strategies around the world and large number of associated noise data values, confusion, data 'overload' and complexity frequently, become the experience of many dosimeter software packages.

Both the dBadge2 and NoiseSafe are designed to simplify the process of making noise exposure measurements, managing instruments, analyzing results and ultimately creating clear reports for your noise exposure assessments. They are designed to get the job done, simply and efficiently. Result charts and data may easily copied and pasted into common M.S Office and other applications.

Most users will be aware of the measurement methods, dosimeter setups and associated noise data values of interest. NoiseSafe is easily configured such that you are presented with only those data values of interest and applicable to your monitoring strategy. **View Configurations** are the method to define those parameters of interest which will be displayed within the Results and Summary views.



Software Installation

System Requirements

Your computer needs to meet the following minimum requirements:

- Free hard drive space: 200 MB
- Display resolution 1024 x 768 or greater
- Memory: ≥1 GB
- Operating System: Windows 7, 10 and upwards
- USB port (for connection to dBadge2 Docking Station)

Report generation is based upon .docx templates which may be created and custom edited in **Microsoft Word** or other compatible applications.

PDF report formats will require the installation of a suitable view application.

Installation Procedure

The latest version of the NoiseSafe application may be downloaded from the dBadge2 product support page. The application is provided Licence free and may be installed on multiple P.Cs as required.

1. In your browser, enter the following URL:

https://www.casellasolutions.com/uk/en/support/product-support/dBadge2.html

- 2. Enter the **Software and Utilities** section.
- 3. Click on the NoiseSafe Software link to download the application (supplied as a single executable Windows installer file).
- 4. Locate and Open the NoiseSafe installation file (within the Downloads folder or Recent Downloads list).
- 5. Please follow the on screen instructions and proceed to install the software.

File Locations – For Application Settings & Results

When the NoiseSafe application is run for the first time it will prompt for the selection of folder locations for:-

 Archive Data Files – This is the top level folder location containing all measurement Result files downloaded from your dBadge2 instruments. Each measurement result has 3 associated data files.

The default location for Result archive files is:-





C:\ProgramData\Casella\Casella\NoiseSafe\Data

• View Configuration Files — Default and user created 'View configuration' files identify 'Which' noise and information parameters (i.e. which Leqs, Lpeaks, TWAs, frequency weightings, time constants and Run information etc.) are displayed within the Result and Summary tables.

View configurations also retain setup information for the NoiseSafe application's 'Post measurement' dosimeters.

The default storage location for view configurations is:-

C:\Users\User\AppData\Casella\NoiseSafe\Views

• **Application Configuration Settings** — All NoiseSafe application related settings are saved within a configuration file. The default location is:-

C:\Users\User\AppData\Roaming\Casella\NoiseSafe\Application Config

• **Report Template Files** — Report templates define the content of MS Word or PDF format reports (i.e. data values, summaries, graphs, text and images etc.)Report templates may be created and customised as appropriate for your local legislation and to present your desired report text content and layout.

The default location for Report templates is:-

C:\Users\User\AppData\Roaming\Casella\NoiseSafe\Report Templates

The folder locations for the Measurement Results Archive and Report template may be subsequently adjusted within the **Settings** menu.

Note: The above default (or user selected) folder locations should be backed up during routine backup of the NoiseSafe application and its associated measurement results and configuration files.

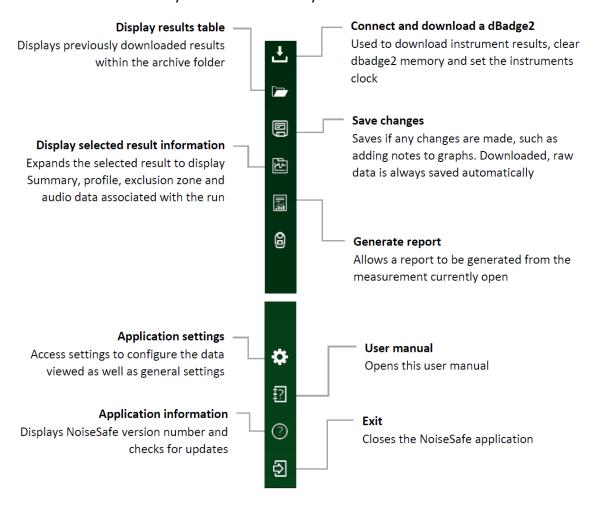


Getting Started

Open the NoiseSafe application by double clicking the programs Icon.

Screen Layout and Toolbar Buttons Explained

The main screen tool bar layout and functionality is shown below



Note: Hovering the mouse pointer over any button will display a 'Tooltip' message explaining the button's purpose.



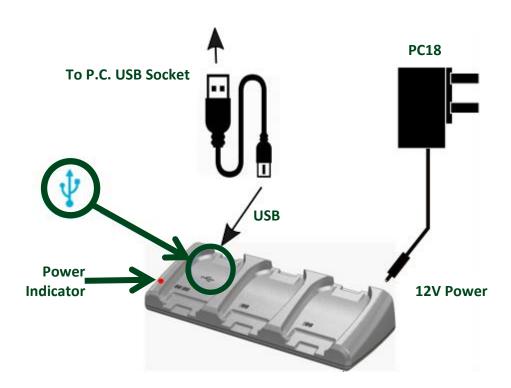


Connecting a dBadge2 to your P.C

To download measurement results or manage configuration settings within your dBadge2 instrument, NoiseSafe will communicate to a dBadge2 placed in the docking station using a USB2.0 connection.

The left hand 'docking pocket' (identified by the * USB symbol) is specifically reserved for all communication with the dBadge2. Using the supplied USB cable, interconnect the USB socket on the Docking station to a free USB port on your P.C. Please refer to the connecting diagram below.

Note:- The docking station **must** be powered using the 12VDC PC18 adapter to achieve communcations.





Application Settings

View Configurations – An Overview

NoiseSafe has been developed to simplify the routine task of gathering, analysing and reporting noise exposure measurements. Given the diverse and somewhat daunting range of noise exposure monitoring strategies around the world and large number of associated noise data values, confusion, data 'over-load' and complexity become the experience of many dosimeter software packages.

Fortunately, NoiseSafe was designed to be easily configured such that you are presented with only those data values of interest and applicable to your monitoring strategy. **View Configurations** are the method to define which result values are of interest and should be displayed within the Results and Summary views, and which values are not applicable and should be excluded from view. The sequence in which noise values and information is presented is also controlled by the View Configuration settings.

Note: It is worth noting that **ALL** noise data values applicable to virtually **ALL** international noise exposure assessment guideline are saved within the raw data of your dBadge2 Result files. Should your noise assessment requirements change, simply adjust the View configuration or create a new view configuration to display **any** new values of interest.

At this point we will assume the legislation, standards or guidance body dictating your noise exposure assessment is known, this will ultimately dictate which noise data values are of interest, the required dosimeter setups and the exposure compliance limits to satisfy.

It is worth taking a few moments to define a **View Configuration**, which exactly matches your needs.

Settings - View Configurations

The View configuration settings are used to define which noise parameters you wish to see within the Results and Summary table views and also the sequence in which they are listed.

View configurations also retain settings for NoiseSafe's Dosimeters (D1, D2 and D3). NoiseSafe's Dosimeter settings can be used to re-calculate and display a selected result based upon different dosimeter settings (i.e. Threshold, Criterions and Exchange rates) to those used in the dBadge2 at the time of measurement. (see - View Configuration - Dosimeter settings)

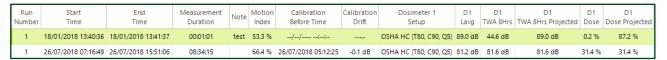




Configuring Summary and Downloaded Results Table Views

Select **Settings** View and then **Results Window** or **Summary**

The 'Results Window' Configures the rows of data that are downloaded and viewed in the tree structure, as shown below.



The 'Summary' configures the data shown in the Summary section, once an individual run has been opened. This is important as it also defines what data populates the report.

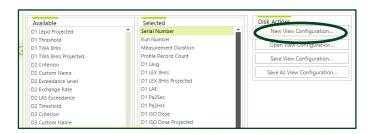
Note: Summary data also defines what data populates onto the reports



A number of default view configurations are provided to rapidly configure NoiseSafe to suit noise exposure assessment methods as defined by local or international standards (e.g. **ISO9612**). To provide a good starting and we recommended you load a view configuration as appropriate to your assessment protocol, this can be adjusted to meet your exact needs and then saved for future use.

Create a new View Configuration

Select 'New View Configuration' from the menu.



The program will offer to replace the

existing view configuration with the default view template.



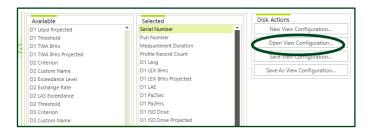


The view configuration can now be modified to suit your specific requirements.

Note: If you are performing a noise exposure assesment in accordance with a regionally recognised standard or guidance body (i.e ISO 9612 for UK & European or OSHA, ACGIH, within the U.S.A.) then our recommendation is to use the '**Open View Configuration**', select a default view template most applicable to your method, add your desired modifications and then use the '**Save As View Configuration**' option to create your new View configuration file.

Open a saved View Configuration

Select **Open View Configuration** from the **Disk Actions** menu.



NoiseSafe incorporates a number of default View configurations to suit the needs of the most common International Noise Exposure monitoring Standards and Guidance bodies (i.e. ISO 9612 for UK & Europe and OSHA HC, OSHA PEL, ACGIH and MSHA in the U.S.A). Theses View Configurations provide an excellent starting point and may be subsequently customized to suit your exact needs.

Adjusting a View Configuration to suit your exact needs

Within the **Summary** or **Result** view configuration windows, **Click and Drag** fields between the **Available** and **Selected** lists as required.

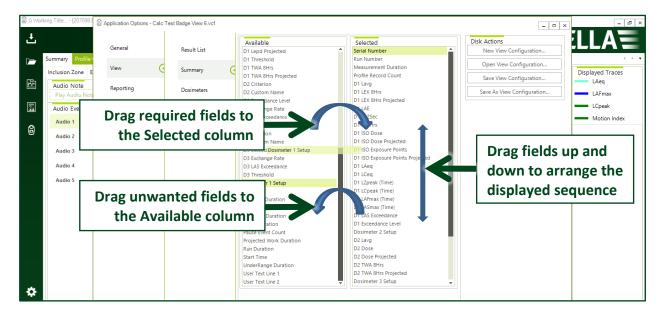
Note: If Dosimeters 2 or 3 are disabled, their associated D2/D3 data fields are hidden from the Available and Selected columns.

Click and Drag fields **Up** or **Down** the Selected list to define the order in which information is presented.

Use **Ctrl-Click** or **Shift-Click** to select multiple fields as required.

Ctrl-A may be used to select All fields

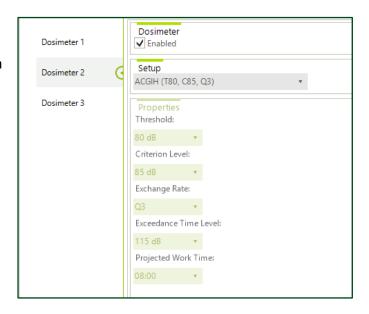




Adding more dosimetry parameters

When intitially creating a view, a set of parameters will be available from either of the virtual dosimeters (D1, D2, D3). If additional paraters need to be added from other sets of legislation go to **Settings** View | **Dosimeters**.

Additional dosimeters can be enabled and the setup changed. This means when returning to the **Summary** or **Result List** view, additional parameters will be available to select from.



General Settings

The **Settings** General menu is used to specify:-

- The 'top level' location of the Results Archive folder where all downloaded measurement result files are stored.
- The default time history interval used for the Profile chart and when managing Zones (1 second or 1 minute resolution)





Report Settings

The **Settings** Report menu is used to specify:-

- The folder location for Report Templates
- The default report format Microsoft Word or PDF
- If reports should be opened immediately once created

Managing dBadge2 Instrument Setups



The dBadge2 is a powerful instrument, internally measuring and calculating a comprehensive set of noise parameters applicable to virtually all global personal noise exposure monitoring regimes. In addition, dBadge2 instrument models are available to offer advanced audio note and event recording, visual alarms, timers and Octave band measurements.

Before using a dBadge2 it is necessary to configure it to suit your specific needs, whilst this can be performed manually in the dBadge2's setup menu, the NoiseSafe application greatly simplifies the process allowing instrument configurations to be rapidly created, edited and transferred into multiple instruments.

To manage dBadge2 instrument configurations, select the dBadge2 configuration Icon





To Open a Saved or Default dBadge2 Instrument configuration, select 'Open Configuration File' from the Disk Actions list.

Use the 'Save Configuration File' or 'Save as Configuration File' to save a new or modified instrument Configuration file.





dBadge2 Configuration Settings

The available instrument Configuration settings are subdivided into sections;

- General Settings Enable Octaves, Pause Mode Enable / Disable, Display content and scroll settings, define User Text displayed at power up, Set Calibration Level, Hide or Show the Configuration menu to prevent tampering, Auto Lock mode Enable / Disable)
- Dosimeter Settings Specify Default (ISO, OSHAHC, OSHA PEL, ACGIH, MSHA etc.) or Custom setups for the dosimeter channels D1, D2, D3 (Thresholds, Criterion, exchange rate etc.). Custom meter settings allow the selection of values shown on dBadge during a measurement run.
- Audio Audio Note recording Enable/ Disable, Setup for Audio event capture (capture and identify the source of high noise levels or peaks)
- **Visual Alarms** Setup for the two visual colour coded alarm values, Set lower and upper trigger levels.
- Timer Mode set up Timer modes for a fixed run duration or programmed start time / day.
- **Bluetooth** Enable or Disable Bluetooth functionality.

Note: Some of the above feature settings may not be supported by your model dBadge2. Only the Pro model supports all feature settings. Unsupported settings are simply ignored during configuration upload to a connected instrument.

The feature sets available in different dBadge2 models is shown below:



The **Instrument Actions** list allows configuration settings to be read from or written to a connected dBadge2 instrument.



Download Results from a dBadge2 L



Place the dBadge2 that you wish to download into the left hand pocket of the docking station. Confirm the docking station is powered and connected to a free USB Port as detailed earlier (See -Connecting a dBadge2 to your P.C)

Click the download L. Icon to interrogate a connected dBadge2. Assuming the dBadge2 contains some measurement results, a Results table will be shown identifying individual measurement runs and associate data:



Note: if some if the rows in the screen above show 'N/A' you may need to update the firmware in your dBadge2. If it states N/A you can still download the run. The highest numerical run will be the last measurement taken. To upgrade go to the latest version of the firmware please visit the dBadge2 support section of the Casella website.

To download all measurement results

Right Click in the Result table area and select the "Download All Results" option. All runs will then be downloaded. In a situation where some of the measurement Runs have already be downloaded to the P.C, they will simply be ignored, - there will be no problem of duplicated results!

Note: if results have previously been downloaded and moved to another location within the tree view, the reults will be downloaded again.

To download individual or selected measurement results

Hold the CTRL Key and Click on the required Results – this allows the selection of multiple results rows anywhere in the Results table, not necessarily next to each other. Selected result rows become highlighted.

Using the Shift key and Click – this allows the selection of a group of Results that are contiguous (i.e. next to each other). Mouse Click on the first Result in the group, then hold





the **Shift key** and **Click** on the last result. All the result rows in between will be selected and highlighted.

Having selected the results you wish to Download, simply right-click on a highlighted row and select the "**Download Selected Results**" option.



Synchronising your dBadge2's internal clock to the P.C time

Search for a dBadge2 within the docking station, right click within the information area and select "Set Clock in dBadge2". The dBadge2 clock will be set to match the P.C. The dBadge2's internal clock may also be set manually within it's setup menu.

Clearing a dBadge2's internal memory

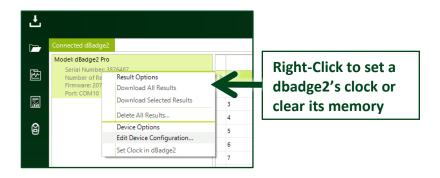
Clearing the dBadge2 memory is typically performed after downloading all internal measurement results or to simply free-up memory space ready for new measurements.

As above, search for the connected dBadge2 and then select the "**Delete All Results**" option from the right click menu.



WARNING

Double check that all measurements within the dBadge have been successfully downloaded before clearing the memory!







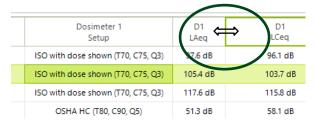
Measurement Results Window 🗁



Clicking the Results icon will display a list of all measurement runs stored in the computer. The column header fields and the order of columns shown in the Results table are defined within the currently selected View configuration.

Visit the **Settings** View | **Downloaded Results** menu to adjust the View configuration.

To adjust the width of columns, click and drag the seperator line in the header row OR double click the vertical seperator line to auto size:-



Each Result has a free text **Note Field** to aid its identification. The note may be edited by **Right- Clicking** on the relevant result row.

Double Click on a Result row to open that Result and access it's Summary data and Time-History Profile chart.

Organising and Storing Results

To manage and easily locate measurement Results, it's highly desirable to adopt a structured approach to organising your Results.

NoiseSafe conveniently aids the organisation of results using a 'Folder Tree' approach, much like file storage directories on a computer.

A hierarchy of result folders may be created to organise and segregate data for specific clients, personnel, working activities, departments etc.

Data results from a dBadge2 instrument are initially downloaded to the top 'Root' folder of the tree.

Right-click on a folder to Rename the folder or to add a New Folder at that point in the folder tree.

Collapse or **Expand** sections of the folder tree using the 'drop down' (icon





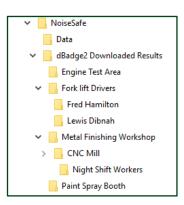
To place a result within a specific folder location, simply highlight the required result(s) in the Result table, then 'Click and Drag' them into the desired folder.



Select multiple

Results using **Shift-Click** (for a 'block' select), **Ctrl+Click** (to select multiple individual Results) or **Ctrl +A** to 'Select All'.

It is worth noting that NoiseSafe adopts exactly the same 'Folder Tree' structure in both its user interface to visually organise Results, and also 'behind the scenes' to manage the computers file storage directories where data Result files are physically stored. Data files relating to specific areas of the folder tree are therefore easily located on the computer. Result files may be copied, shared and viewed by other interested parties using NoiseSafe.

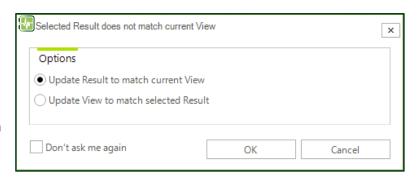


Opening a saved Result

Measurement Results downloaded from a dBadge2 contain a comprehensive set of noise measurement data such that they can be presented by NoiseSafe according to **any** dosimeter setup or international noise measuring strategy, regardless of the instruments setup at the time of the original measurement. This provides ultimate reporting flexibility and also removes the worry of using the wrong instrument setup at time of measurement.

Downloaded results are initially saved containing the setup details of the instrument's

dosimeter's at the time of measurement. NoiseSafe may subsequently open a Result file which contains differ ent dosimeter setups to those defined within the active View configuration, in this situation a message will be displayed;-







Of course, in the majority of situations it is anticipated that your dBadge 2 instrument will have been correctly configured prior to measurement using the appropriate dosimeter settings. During post measurement analysis of results, NoiseSafe's View Configuration will also have been selected to contain the appropriate dosimeter setups. Since the dosimeter setups in the Results file and View configuration are the same, this message will not be seen!

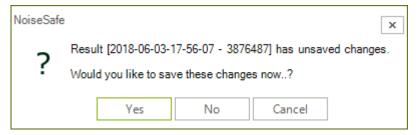
However, in some situations, NoiseSafe's view configuration will be selected and adjusted by a user to present exactly the data values of interest based upon the specific Dosimeter setups of interest, these dosimeter settings may differ to those originally used and saved within the Result. In this situation, select the 'Update Result to match the current view'.

In some less common situations, a user may wish to open a Result and display it's values based upon the dosimeter settings saved in the Result file on the dBadge2 which are actually different to those defined in the selected View Configuration. In this situation the user will select the option to 'Update the View configuration to match the Result'.

Note: Raw data is not affected in any way by this decision, only the parameters viewed.

Closing a Result - Save Changes Message

If a result has been opened and viewed according to a View Configuration having different dosimeter setups than those contained in the Result, then upon closing the result (i.e when opening a different Result or closing NoiseSafe), the application will ask if you wish to save changes to the result file;-



If you wish to view this Result in future based upon the current View's Dosimeter settings, select the 'Save' option.

Note: These changes relate to how the data is viewed and changes to the profile graph such as by adding exclusion zones or notes. The raw data itself is unaffected and is always unchanged.



Show Result Information

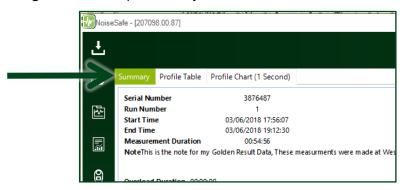
The Show Result button is used to re-display the currently selected Result.

Result – The Summary Window

Clicking on the **Summary** tab will present a summary of the Measurement Result (instrument details, Duration times, data values etc) for the selected result.

The **Run time field** represents the total time from starting to stopping a dBadge2 measurement. The **Measurement duration** field represents the time from starting to stopping the dBadge2 Measurement, **less** any time the instrument was placed in **Pause mode**. The Noise data values shown in the summary exclude the noise energy and peaks which occurred whilst Paused. The summary results effectively represent the same values as would be displayed on a dBadge2 at the end of a measurement.

The selection and order of measurement information and data values shown within the summary is defined within the **Settings**View | Summary menu.



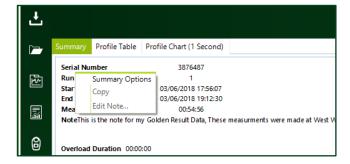
The Summary Data may be copied and pasted into other applications.

Select the desired area to copy by Click and Dragging the mouse or use Ctrl-A to Select All

Use Right Click in the selected area or use Ctrl+C to Copy the selected text into the Windows

clipboard ready for pasting into other applications and reports.

Each measurement Result has a free text **Note Field** to aid its identification. The note may be edited by **Right-Clicking** within the summary area;

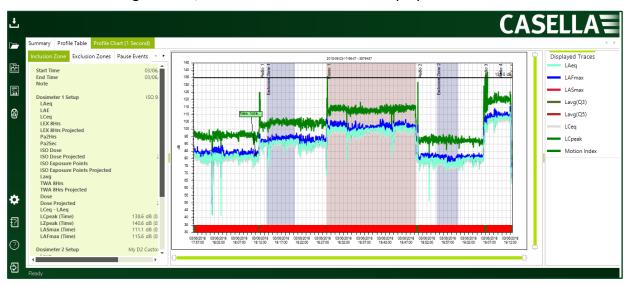




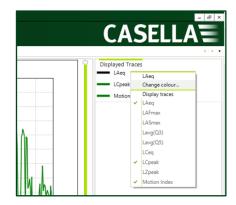


Result - Profile Graph

After double clicking a Result, the Results Profile chart is displayed.

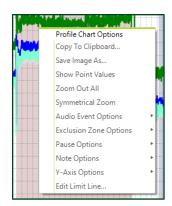


To select which traces are displayed in the chart area, **Right-Click** on the '**Displayed Traces**' window and click to select the required traces:-



Right Clicking in the chart area presents a number of options to **Copy** or **Save** the chart image and to adjust the settings for Exclusion and Pause Zones.

Copied chart images may be pasted directly into other applications.



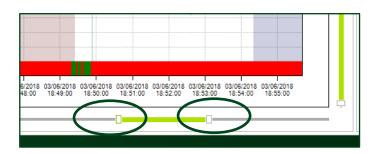


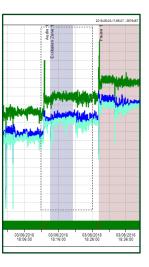


To **Zoom** into a specific area of the chart, either;-

Click and Drag a rectangle (as shown by the dotted line) over the charts X-Y area of interest. The graph will re-draw to show just the selected area.

Alternatively, Slide the horizontal or vertical axis 'zoom cursors'

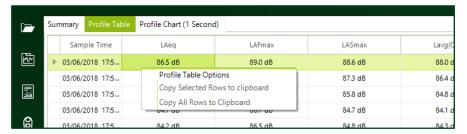




Right-Click and select 'Zoom Out All' to return to the full chart view.

Profile Table

The Profile Table window displays the time history data values for the selected traces on the Graph.



Use the mouse to select the required data range or **Right-Click** on the table to copy the data to the clipboard. Data can then be pasted into other applications.

Pause Zones

Pause zones are created at the time of measurement by pressing the dBadge2 buttons. Pause events are used to effectively remove periods of time and noise energy deemed irrelevant to the noise exposure assessment. The Pause mode feature in the dBadge2 must be activated to use this function.

The Result **Summary** tab displays noise data values over the effective measurement time (i.e. noise conditions from measurement Start to Stop times but **Excluding** all noise conditions that occurred during pause events.





Clicking on the **Pause Events** Tab shows the information and data values associated to each pause event. The duration and noise data values removed within the pause zone can be reviewed.

Exclusion Zones

Exclusion Zones may be added to archived measurement results to remove periods of time and their associated noise conditions from the overall measurement result. It is possible that during a measurement and whilst observing work activities, a noise event occurred which was deemed erroneous or non-representative of a worker normal exposure or their normal work task-time routines, so you therefore want to 'exclude' this section from the overall exposure. This is accomplished by adding an 'exclusion zone' over the period of time.

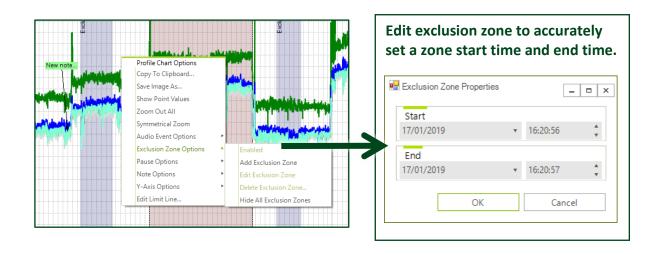
Once an exclusion zone(s) has been created, it may be **enabled** or **disabled** to help assess the influence of removing or leaving this period of time and noise conditions within the overall result.

What remains are results to be 'included' in the exposure and are shown in the **Inclusion Zone** tab. So noise data values here represent all periods of the measurement not removed by enabled Exclusion or Pause zones.

Adding an Exclusion Zone

Within the chart area, **Right-Click** and select **Exclusion Zone Options** | **Add Exclusion Zone**, The mouse cursor will change to;-

Position the George cursor to the desired starting position on a graph trace, **Click and Drag** the cursor to the right to highlight the desired time period. At this stage, do not worry about setting accurate beginning and end times for the zone, these can be manually edited later by **Double Clicking** or **Right Clicking** on the zone and selecting **'Edit Exclusion Zone'**







After adding or editing an exclusion zone(s), when closing the application or moving away from the open Result, a prompt will be generated: "The Result File has unsaved changes, Do you wish to Save?". If you wish to retain the created zones for when this result is next opened, select 'Yes'. Details of added Zones are saved within the result files.

Working with Exclusion Zones

After creation of exclusion zones within the Profile Chart area, the Exclusion Zone data tab will display details and noise parameters associated to each created Exclusion Zone.

The Inclusion Zone Summary

The effective noise result calculated after removing all active Exclusion and Pause zones is shown within the Inclusion Zone tab. Therefore, if erroneous noise has been removed (excluded) using the exclusion zones, then what remains (included) is the legitimate noise exposure.

Enable & Disabling Zones

It should be noted that Pause and Exclusion zones may be enabled or disabled. With the mouse cursor positioned on a zone, use the **Right Click** -'**Edit Zone**' options to enable or disable the specific zone. The noise contribution from an exclusion zone is only removed whilst the zone is enabled.

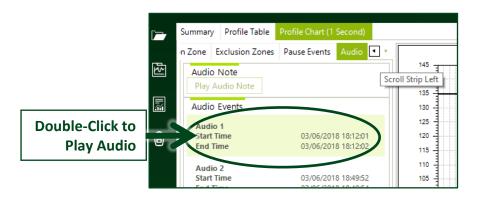
Additionally, If an exclusion zone has been positioned to represent a specific work activity, then the noise data values shown for that zone within the Exclusion zone data tab may be used to assess the noise contribution of that task and this may subsequently be used as part of a Task based noise exposure assessment.

Playback of Audio Notes and Events

dBadge2 Plus and Pro models allow an **Audio Note** to be recorded at the start of a measurement run (for example to verbally identify the company, location, worker name etc) plus offer the ability to capture Audio events when a selectable noise parameter exceeds a user define threshold. Audio Event recording aids the identification of high level noise sources.

Audio files captured in a dBadge2 are listed in the **Results Information** | **Audio** tab and are also displayed on the **Profile Chart**. It may be necessary to scroll the window to see the Audio tab.





Audio may be played back from either location using the **Right-Click** – **Play Audio** options or by double clicking on a highlighted audio bar.

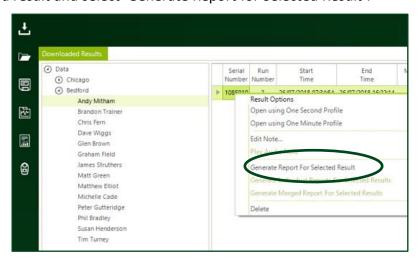
Report Generation

The final destination and ultimate goal for many noise exposure assessment measurements is the generation of a report document. This report may typically detail the measurement procedure, equipment used, work place observations, results and analysis with conclusions and recommendations.

NoiseSafe enables the rapid generation of reports in a Microsoft Word or PDF format based upon the selected measurement result. There are multiple ways to generate a report.

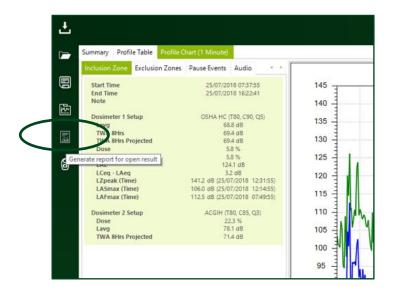
Reports for Individual Measurements

Right-Click on a result and select 'Generate Report for Selected Result':



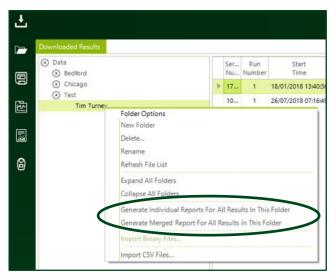
Alternatively, select the 'Generate Report for Open Result' icon when a measurement result is open:





Reports for Multiple Measurements

Reports can combine several measurements from a single location in the tree view. Right-Click on the portion of the tree of interest:



An 'Individual Report' creates a separate document per measurement in the selected folder, whereas the 'Merged' option will create a single document combining all of the measurements.

Report Templates

A number of report templates are available to satisfy general requirements of most legislation in many countries. Select the one most appropriate for the local legislation.



Protecting your Data - File Backups

Your measurement results are valuable and we encourage disciplined routine backup of your data. All files contained within the folders locations identified within the <u>Installation section</u> of this manual should be backed up.

Always ensure data is backed up prior to any upgrade or change in the P.Cs hardware or software environment.

Support

For support, please go to <u>casellasolutions.com</u>, or raise a ticket on our helpdesk: <u>helpdesk.casellasolutions.com</u>