



CONGRATULATIONS ON YOUR NEW SoundLog

We are pleased that you have chosen one of our products. For maximum product performance, please study these directions for use.

Keep these directions for use ready at hand. For any questions or comments, please contact us on mail: soundear@soundear.dk.

> Yours sincerely, SoundEar A/S

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INTRODUCTION

TECHNICAL INFORMATION

SoundEar® measures sound pressure as root mean square (RMS) weighted with a noise filter according to IEC graph A. SoundLog collects 256 measurement values every minute. The square root of each measurement value is then calculated and divided by 256. The mean value is then stored in SoundLog's data store, equal to around 4 weeks uninterrupted recording. Frequency area: 20-16.000 Hz Accuracy +/- 1 dB(A) Dynamic area: 48 dB(A) SoundEar's own noise: 32 dB(A)

OPERATING SYSTEM REQUIREMENTS

The NET Framework is supported on the following platforms. Operating System: Microsoft® Windows® 98 Microsoft® Windows® 98 Second Edition Microsoft® Windows® Millennium Edition Microsoft® Windows NT® 4.0 Workstation with Service Pack 6.0a or later Microsoft® Windows NT® 4.0 Server with Service Pack 6.0a or later Microsoft® Windows® 2000 Professional Microsoft® Windows® 2000 Professional Microsoft® Windows® 2000 Server Microsoft® Windows® 2000 Advanced Server Microsoft® Windows® XP Home Edition Microsoft® Windows® XP Professional Microsoft® Windows® XP Professional Microsoft® Windows® Vista Microsoft® Windows® 7 **Note:** On all these systems, Microsoft® Internet Explorer 5.01 or later and Microsoft® Windows® Installer 2.0 or later is also required.

HARDWARE REQUIREMENTS

Scenario Client: (Windows Forms and Windows Services) Required Processor: Pentium 90 MHz* Recommended Processor: Pentium 90 MHz or faster Required RAM: 32 MB* Recommended RAM: 96 MB or higher *Or the minimum required by the operating system, whichever is higher. © 2001 Microsoft Corporation. All rights reserved. © SoundEar A/S Tel. + 45 3940 9002 www.soundear.com soundear@soundear.dk

WHAT IS SOUNDLOG?

SoundLog is SoundEarII®'s logbook. SoundLog consists of a Log module with a connector in each end, a 10 pole connector and a USB connector. You connect the 10 pole connector to your SoundEarII® where it saves the measurement made by the SoundEarII® for up to 4 weeks. You then transfer the data from the SoundLog Module to the computer by taking the module and connecting it to a USB port on your computer. By using the SoundLog software, you then transfer the data to your computer where you can see the measurements for up to 4 weeks at a time on a ready-to-print graph.

NOTE: Each time you connect the module to the SoundEarII® you reset the data on the module so remember to save the data on your computer before reconnecting the module to the SoundEarII®. Remember – SoundLog measures 30 dB(A) above and 18 dB(A) below the SoundEar®'s reference point.

ADVANCED USERS: SoundLog measures the noise level every second and records the average measurement every 1 minute. For more information about the method of measurement etc., please see in the beginning of this manual.

GETTING STARTED

HOW TO OPERATE THE HARDWARE

 To get the measurement started you will need to turn the red wheel on the dial on the bottom of your SoundEarII® to that decibel level you would like the measurement to be based on.

SoundLog registers measurements that are 30 decibel above and 18 decibel under this level. In a room that is primarily filled with people-related noise it is a good idea to set the red arrow at 70 decibel. In this way, SoundLog will record all noise between 52 and 100 decibel.



- Connect the SoundLog module to the SoundEarII®, while SoundEar is still turned off.
- 3. Switch the power on to the SoundEar®



- Check that the green light on the SoundLog Module is turned on; this shows that the SoundLog has started recording the noise measurements in the room.
- 5. Leave SoundEarII® and SoundLog switched on for as long as you want to record the sound level (max 4 weeks). Please note that you will lose all recorded data if the SoundEarII® is turned off and switched on again without removing the SoundLog first.

6. When you are ready to end the SoundLog's logbook recording (after max. 4 weeks), switch the SoundEar® off and remove the SoundLog. Note the time at which you switched the device off, as you will need to enter this information into the computer program when you import the recording.

7. Connect the SoundLog module to your computer to import the measured data.







HOW TO INSTALL THE SOFTWARE

The SoundILog program is the same software platform as the more advanced system, SoundEarPRO. Note: Before you install the SoundLog software, make sure your PC has access to the Internet.

- 1. Place the SoundLog CD in your computer's CD-drive.
- 2. An installation wizard will be displayed.
- 3. When the program shows the SoundLog-front page, press "Next".
- 4. Then follow the guide.

NB: If the installation does not start automatically, select: Start -> Run -> Browse -> (Open the drive with the DVD/CD-ROM) -> setup.exe -> Open -> OK.

HOW TO CONNECT THE HARDWARE TO THE SOFTWARE

When the software has been installed, the hardware may be connected.

- 1. Connect the SoundLog stick to a free USB port.
- Windows will now install the necessary driver.
 ("New hardware" will show at the bottom left hand side of the screen).
- **3.** Start the SoundLog program.
- **4.** When the SoundLog stick has been found, the dialogue box will be displayed with a unique id number.

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8. Then click the OK button.

the measurement stopped.

USER INTERFACE

MAIN WINDOW



MEASURING DATA WINDOW



MEASURING DATA WINDOW WITH CURSORS



MEASURING DATA WINDOW – ZOOM FUNCTION

When data is displayed in the graph, you can zoom in on a selected area.

1. Current Display.



To zoom in on any part of the graph:

- **2**. Place your mouse at any point of the graph.
- Depress your left mouse button and move your mouse to the *right at the same time*, thus producing a square.
- 4. Release your mouse button when the area required has been marked.
- 5. The zoom area is displayed.



To cancel the zoom function:

- 1. Place your mouse at any point of the graph.
- Depress your left mouse button and move your mouse to the left at the same time.
- Release your mouse button when the square is no longer displayed.



DELETE DEVICE

If a device is removed permanently from the system, it may be deleted from the program. Note, however, that

If a SoundLog is deleted, historical data for the particular device can no longer be viewed.



- 1. Select the device to be deleted.
- 2. Choose delete.
- Choose OK when the device in question has been deleted.

SETTINGS

Under "Settings", the general settings can be adjusted.

Choose Settings - Settings.



COMPARISON OF DATA

Using your SoundLog, you may compare data from various meters from various days.



SHOW SEVERAL GRAPHS SIMULTANEOUSLY

Several graphs may be shown simultaneously.

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FIXED TIME

Using "Fixed Time", you can choose a time interval to be displayed on the graph.



Select "Used Fixed Time" and type in the interval required.

- 1. Choose "Use Fixed Time".
- **2**. Type in Start Time, for instance 0900.
- **3**. Type in Stop Time, for instance 1800.
- 4. Choose "Update Graph".

When a fixed interval on the graph is no longer required, deselect at "Use Fixed Time".

Tip:

If several meters/graphs are required to be synchronized while new measurements are coming in, a start time may be entered, such as 0900 hours, and a stop time such as 2359 hours. After this, all active graphs will show metering data synchronized with the time.

SHOW PERMISSIBLE EXPOSURE TIME

Average noise impact in relation to time.



Choose from a dB trade of "3dB/85dB" or "3dB/90dB".



• If there are no meterings 8 hours back, nothing will be shown.

EXPORT OF DATA TO MICROSOFT EXCEL

As described above, data for a chosen day may be exported to an Excel file. When the data is entered in Excel, the first column will have to be formatted to the right time format.



CLEANING

The units may be cleaned using a soft moist cloth.

NOTE ! Never use any type of chemical detergent.