

# How to configure your Nor145 settings App for Noise Nuisance Recording For the first time!



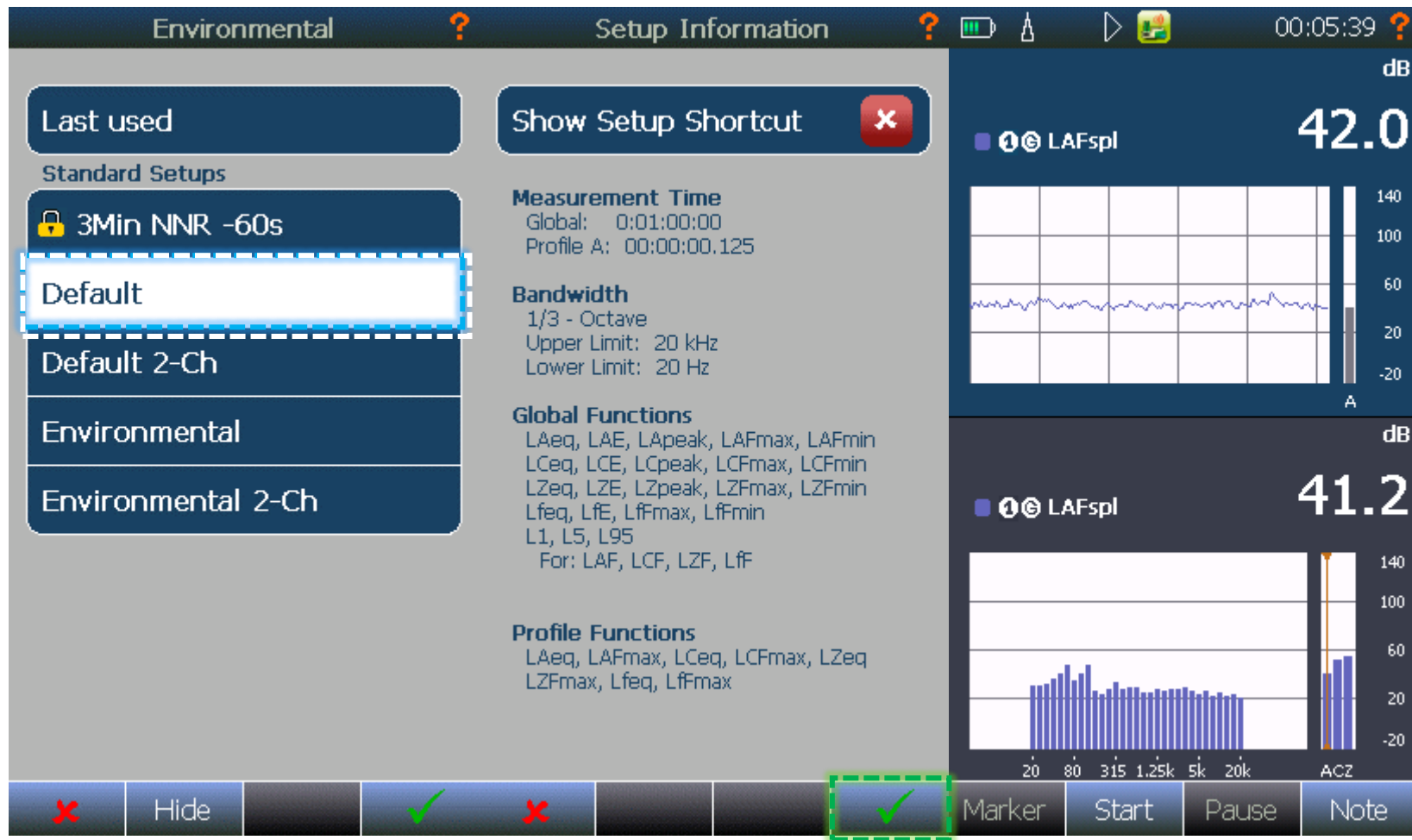
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First we need a template setup file – you must load the Default setup first



Press **SETUP**

Select Default and use the **green** tick at the bottom to accept the settings



Press SETUP Key to load in the default noise nuisance settings – **NNR DEFAULT**



# How to set the measurement duration

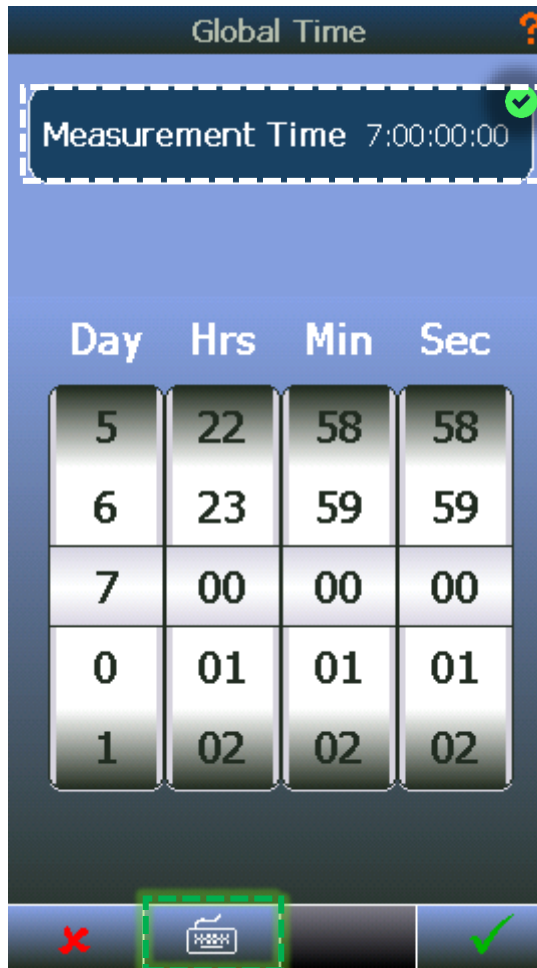
Set the Global Time (measurement duration) to 7 days


The screenshot displays the software interface with three main sections: Setup, Measurement, and Global and Profile Time. The 'Measurement' section is active, showing various settings. The 'Global and Profile Time' section is highlighted, showing the 'Global Time' set to 07:00:00:00. The 'Profiles' section shows three profiles: Profile A (checked), Profile B (unchecked), and Profile Moving (unchecked). A large green checkmark is overlaid on the bottom right of the screen.

Section	Item	Status
Measurement	Global and Profile Time	G(7day),A(1s)
	Time Weightings	F
	Frequency settings	Filter Off, FFT Off
	Percentiles (%)	90.0
	Functions	LAeq, LAE, LApeak, LAFmax
	Audio Recording	48 kHz, 16 bit, 48 dB, 30 Se... <input checked="" type="checkbox"/>
	Camera	
	Storage Mode	Repeat
	Weather station	<input type="checkbox"/>
	Global and Profile Time	Global Time
Profile A		00:00:01.000 <input checked="" type="checkbox"/>
Profile B		5 Min <input type="checkbox"/>
	Profile Moving	Window = 5 Min <input type="checkbox"/>



The Nor145 uses scrolling wheels through out the setups. Use the keyboard icon if this is easier for you.



Set the Global  to 7 days

## How to set the resolution detail (how often it records a dB value)

Set the Profile A ✓ to 1 second resolution

Global and Profile Time ? Profile A ?

Global Time 07:00:00:00

Profiles

Profile A 00:00:01.000 ✓

Profile B 5 Min ✗

Profile Moving Window = 5 Min ✗

Interval 00:00:01.000 ✓

Hrs	Min	Sec	mSec
23	58	59	600
24	59	00	800
00	00	01	000
01	01	02	005
02	02	03	010



## How to turn on frequency display (not all meters have this option)

Set the frequency weighting = Network A  at least



The screenshot shows a configuration interface with two main sections: 'Measurement' and 'Frequency Weightings'. The 'Measurement' section includes 'Global Time' (07:00:00:00), 'Profile A' (00:00:01.000, checked), 'Profile B' (00:15:00, unchecked), 'Profile Moving' (Window = 15 Min, unchecked), 'Time Weightings' (F), 'Frequency Weightings' (A,C,Z, checked), 'Filter' (1/3, 20 Hz - 20 kHz, checked), 'Percentiles (%)' (1.0, 5.0, 95.0), 'Functions' (LAeq, LAE, LApeak, LAFmax, ..), and 'Audio Recording' (checked). The 'Frequency Weightings' section includes 'Measured Frequency Weightings' (A-Network checked, C-Network unchecked, Z-Network checked) and 'Weighting Network In Idle Mode' (A-Network). A large green checkmark icon is overlaid on the bottom right of the interface.

If you have the frequency filter option. You will be able to enable it here.



# How to set percentiles

Set one 90% percentile to 



Measurement	Percentiles
Global Time 07:00:00:00	Calculation Source LFSPL
Profile A 00:00:01.000 	Percentile 0.1 % 
Profile B 00:15:00 	Percentile 1.0 % 
Profile Moving Window = 15 Min 	Percentile 5.0 % 
Time Weightings F	Percentile 10.0 % 
Frequency Weightings A,Z	Percentile 50.0 % 
Filter 1/3, 20 Hz - 20 kHz 	Percentile 90.0 % 
Percentiles (%)	Percentile 95.0 % 
Functions LAeq, LAE, LApeak, LAFmax, ..	Percentile 99.0 % 
Audio Recording 	





# How to ensure you have a plotted graph

Enable the functions as you would like:

LAeq = G  & PA  are the minimum requirement

Advance User: For frequency logging please ensure Lfeq & LfFspl is enabled!

Measurement	Functions	Reports
Global Time 07:00:00:00	LAeq	G <input checked="" type="checkbox"/> PA <input checked="" type="checkbox"/>
Profile A 00:00:01.000 <input checked="" type="checkbox"/>	LAE	<input type="checkbox"/> <input type="checkbox"/>
Profile B 00:15:00 <input checked="" type="checkbox"/>	LAppeak	<input checked="" type="checkbox"/> <input type="checkbox"/>
Profile Moving Window = 15 Min <input checked="" type="checkbox"/>	LAFmax	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Time Weightings F	LAFmin	<input type="checkbox"/> <input type="checkbox"/>
Frequency Weightings A,Z	LAFspl	<input type="checkbox"/> <input type="checkbox"/>
Filter 1/3, 20 Hz - 20 kHz	LAFTM5	<input type="checkbox"/> <input type="checkbox"/>
Percentiles (%) 90.0	LAn	<input type="checkbox"/> <input type="checkbox"/>
Functions LAeq, LAE, LAppeak, LAFmax,...	LZeq	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
Audio Recording <input checked="" type="checkbox"/>	LZE	<input type="checkbox"/> <input type="checkbox"/>
	LZpeak	<input type="checkbox"/> <input type="checkbox"/>
	LZFmax	<input type="checkbox"/> <input type="checkbox"/>
	LZFmin	<input type="checkbox"/> <input type="checkbox"/>
	LZFspl	<input type="checkbox"/> <input type="checkbox"/>

# How to set the audio recording hand switch settings

The screenshot shows the 'Audio Recording' settings menu. The 'Audio Recording' menu item in the left sidebar is highlighted with a green checkmark. The 'Audio Recording' settings are listed as follows:

- Sampling Rate: 48 kHz
- Resolution: 16 bit
- Gain: 48 dB
- Pre-trigger: 60 sec
- Channel: Sound Channel 1

The 'Select Gain' and 'Pre-trigger' sub-menus are also shown. The 'Select Gain' menu has '48 dB' selected. The 'Pre-trigger' menu has '60' selected. The '60' option in the 'Pre-trigger' menu is highlighted with a green checkmark and a dashed blue arrow pointing to a blue cable below. The bottom status bar shows a green checkmark in the center, indicating that the settings are correct.

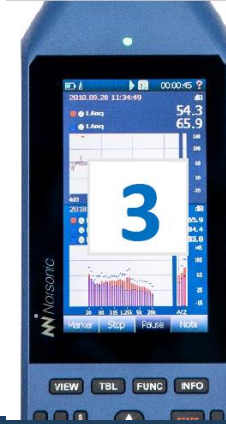


## How to set the Storage Mode

- Repeat = Repeat continuous repeat measurements of 7 days until you press STOP (used for 2 week measurements)  
Automatic = Automatic stop and save of the measurement duration (7 days)  
Synchronised = Measurements are saved into hourly periods (12:00-13:00, 13:00-14:00, 14:00-15:00 and so on)  
Manual = Manual stop and save of the measurement



Do you need a 3 second countdown after pressing the start button? Here's how...



The screenshot shows the 'Setup' menu on the left with 'Trigger' selected. The main area is divided into 'Triggers' and 'Global Trigger' sections. The 'Triggers' section shows a 'Manual' trigger with a 'Delay : 0s' and a list of 'Events' (1: Recording, 2:, 3:, 4:, 5:). The 'Global Trigger' section shows a 'Manual Trigger' with a 'Delay : 3s' selected, along with other options like 'Clock Trigger', 'On Next Full Hour', 'External Trigger', and 'Threshold'. A 'Manual Trigger Delay' panel on the right shows a 'Delay' of '03' seconds. A large green checkmark is overlaid on the bottom right of the interface.



## How to set a hand switch to record audio

Set events 1: ON ✓

Configure your audio parameters... (Max Action Time = Audio Recording Length)



# How to turn the reference tone marker ON

The screenshot displays the 'Marker Setup' interface, which is divided into three main sections: 'Properties', 'Marker Setup', and 'Marker Action'.

- Properties:** A list of markers from Marker 1 to Marker 10. Marker 1 is selected and has a green checkmark icon to its right.
- Marker Setup:** A detailed view of the selected marker (Marker 1). It shows the name '70dB Reference Tone, To...', type 'Toggle', and action 'Reference Tone, Recording'. A green checkmark is visible in the top right corner of this panel.
- Marker Action:** A list of actions for the selected marker. The 'Reference Tone' action is checked with a green checkmark, while 'Recording', 'Picture', and 'Digital Output' are unchecked (marked with red 'X' icons).

At the bottom of the interface, there is a navigation bar with several icons. Three large green checkmarks are overlaid on the bottom bar, indicating that the 'Reference Tone' marker is successfully turned ON.



## How to Turn ON battery markers and event markers



# How to reduce the number of views in the main measurement display to just one view (Level v Time)



**L (t)** = Level vs Time.

**L(f)** = Level vs Frequency,

**SLM** = Noise Levels Only



# How to ensure the hand switch lights up!

Enable the hand switch by changing Outputs 1 – 4 to: Recording S1

The screenshot shows the 'Setup' menu with the following structure:

- Setup (with a help icon)
- Input
- Measurement
- Trigger
- Marker
- Views
- Signal Generator
- Memory
- Instrument** (highlighted with a dashed box)
- Applications

The 'Instrument' menu is expanded to show:

- Digital and Analog I/O
- Communication (LAN, USB, Serial)
- Reference Tone (0dB, Pink, 10 seconds)
- Power Settings
- General
  - Instrument Name: ANT15030108
  - Date and Time: 13.05.2017 - 00:15:52
  - Language: English (with UK flag)
  - Number Format: dB=1, Eng. Units=2, Rev=2
  - About

The 'I/O' menu is expanded to show:

- Digital Output
  - Digital Output 1: Recording S1 (with green checkmark)
  - Digital Output 2: Recording S1 (with green checkmark)
  - Digital Output 3: Recording S1 (with green checkmark)
  - Digital Output 4: Recording S1 (with green checkmark)
- Headset
  - Headset: Playback
  - Headset Volume: Max
- Analog Output
  - I/O Socket: Off
  - I/O Socket Gain: 0 dB

The 'Digital Output 1' menu is expanded to show:

- Running
- Recording S1 (with green checkmark)
- Recording S2
- Overload S1
- Overload S2
- Calibrating
- Mic. Check
- Remote controlled

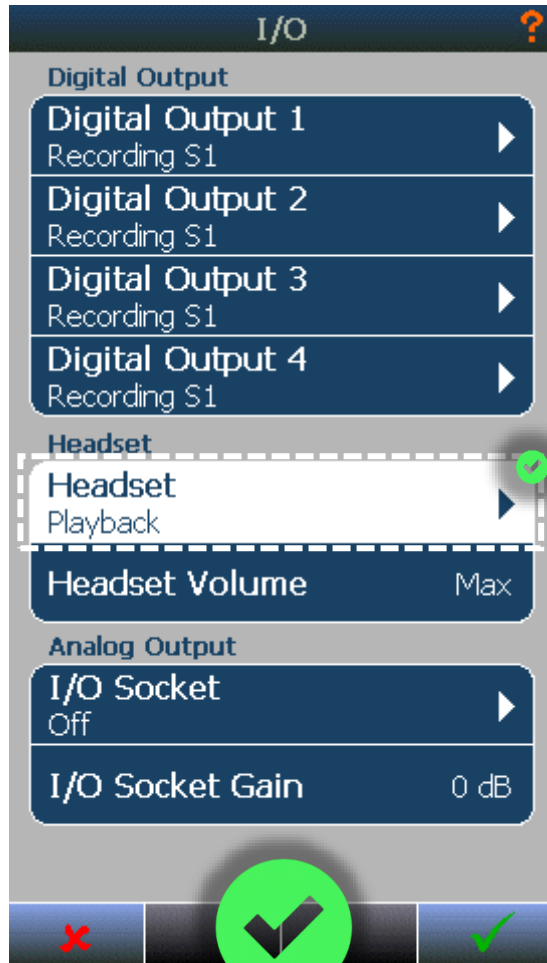
At the bottom right, there is a diagram of a 15-pin D-sub connector with pins 1, 8, 9, and 15 labeled. A large green checkmark is overlaid on this diagram.

At the bottom of the screen, there is a status bar with several icons: a red 'x', a green checkmark, a red 'x', a green checkmark, a red 'x', a green checkmark, a red 'x', a green checkmark, a red 'x', and a green checkmark.



# How to setup your headphone socket and adjust the volume

Set the headphones to Playback and adjust the volume as required



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# How to set the Reference Tone to 70dB

The screenshot displays the 'Instrument' configuration menu with the 'Reference Tone' option selected. A sub-menu titled 'Reference Tone Setup' is open, showing the following settings:

- Gain: -50 dB
- Signal Type: Pink Noise
- Excitation Time: 10 seconds

Below these settings, it indicates 'Used in markers' with 'Marker 1: 70dB Reference Tone'. To the right, the 'Gain Settings' and 'Excitation Time' panels are visible, showing the current values of -50 dB and 30 s respectively. At the bottom, a status bar contains several icons, including three large green checkmarks that correspond to the settings shown in the 'Reference Tone Setup' window.

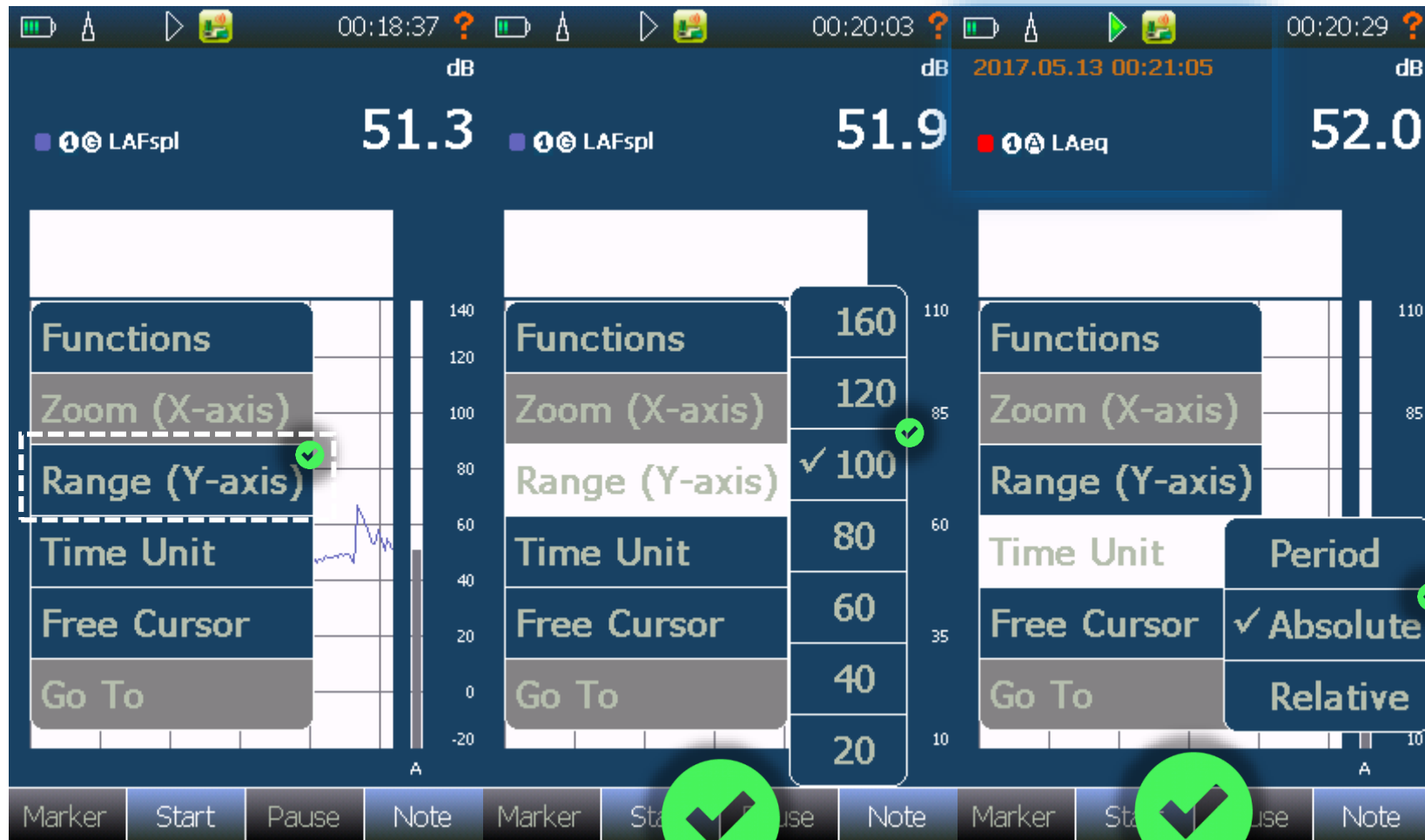
## How to configure the level vs time view window

Press and hold the touch screen in the measurement window (or press the tick button once)  
Select Functions > Set Max Functions In View > Turn off 2<sup>nd</sup> & 3<sup>rd</sup> Functions  
Line 1 - Lfeq should be changed to LAeq profile by pressing the text



## How to make changes to the level vs time screen

- Set the zoom range of screen
  - Set the time unit to absolute (displays current the date and time)
- To do this - press and hold your finger on the screen to display the menu



## How to check your configuration is working?

Press the START button, Press the HANDSWITCH, this should light up. If not, ensure it is plugged in. If there is still a problem, please go back over these settings again. Once you have STOPPED the measure, you can clear the measurement in the window

Press the X button to clear the screen

If you are happy with the SETUP then you will need to save this SETUP – see next page

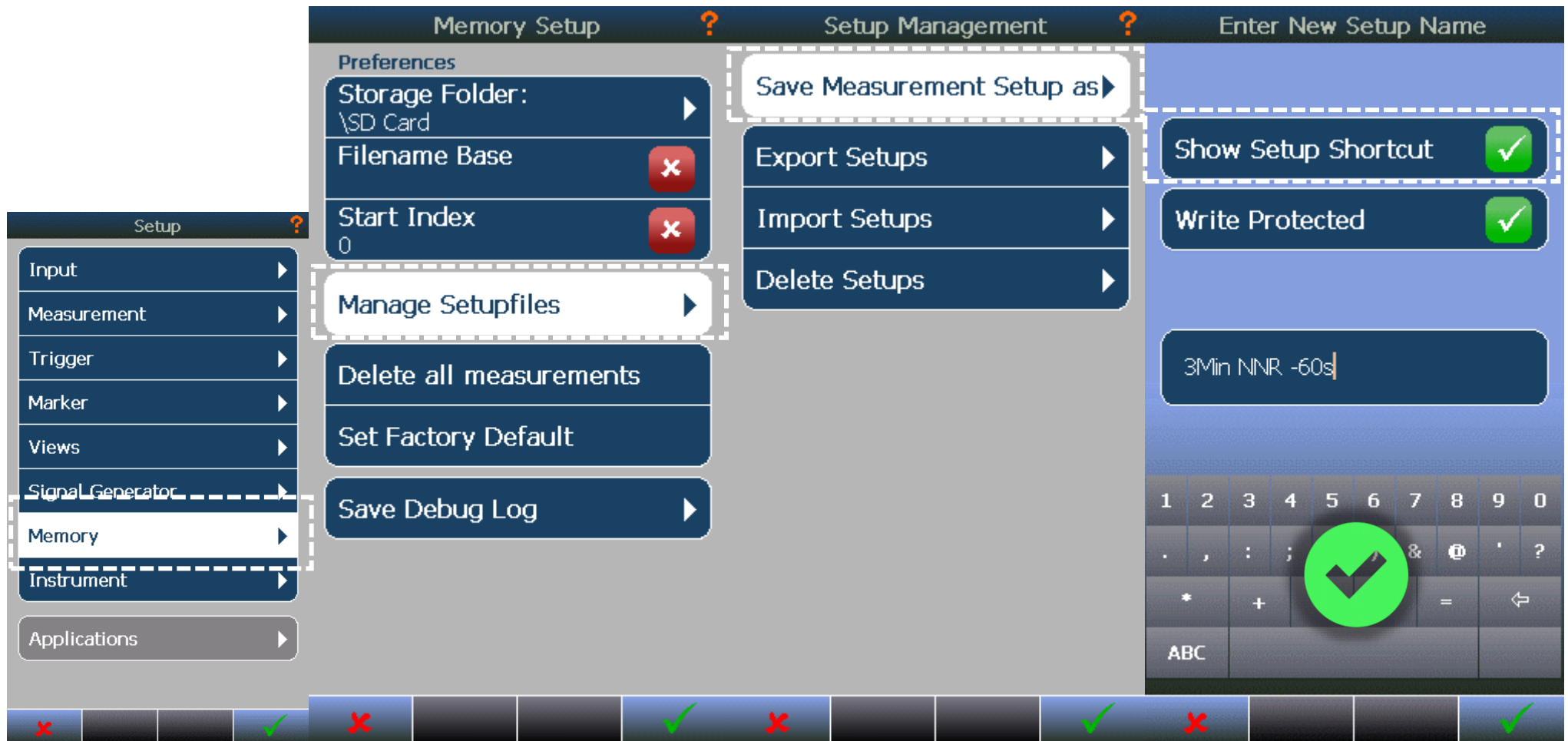


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## How to save the measurement setup you have configured

### Go to SETUP > Manage Setupfiles > Save Measurement Setup As

You may write protect the setup – but note you will not be able to change this later without saving the setup again as a new file name.





**COMPLETE!** Now go back to applications



Make sure the **hide** button is shown at the bottom of the screen  
Now load up your setup icon to test it out!



Need support? Call **01371 871 030**

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