

XMic Operation guide

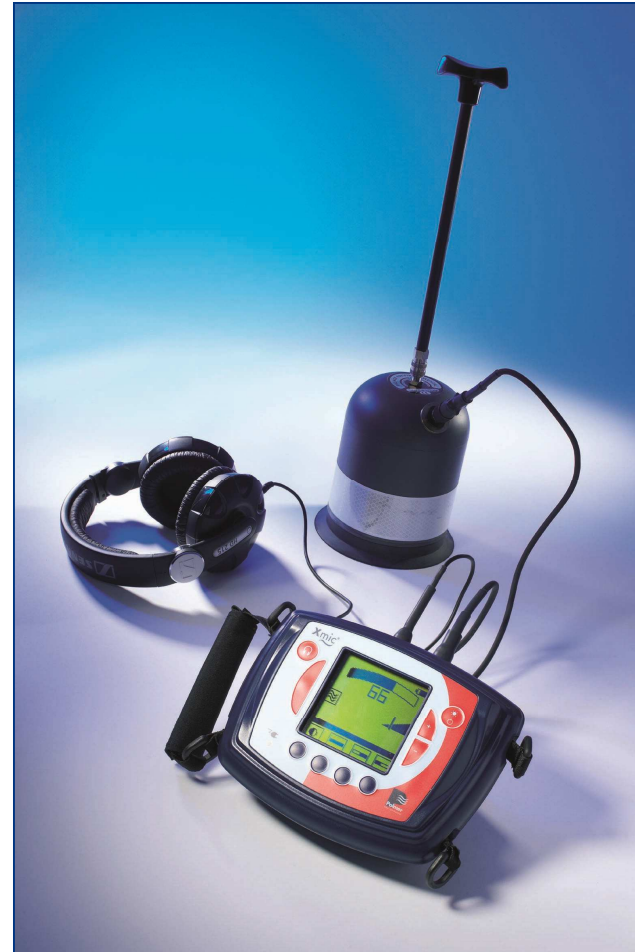


Agenda



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- **What is a Ground Mic?**
- **Equipment Layout**
- **Charging**
- **Button Operation**
- **Filter Screens**
- **MLP Mode**
- **Questions**



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WHAT IS A GROUND MIC ?



What is a Ground Mic?



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A ground microphone is designed to amplify the noise generated by water escaping from water pipes under pressure.

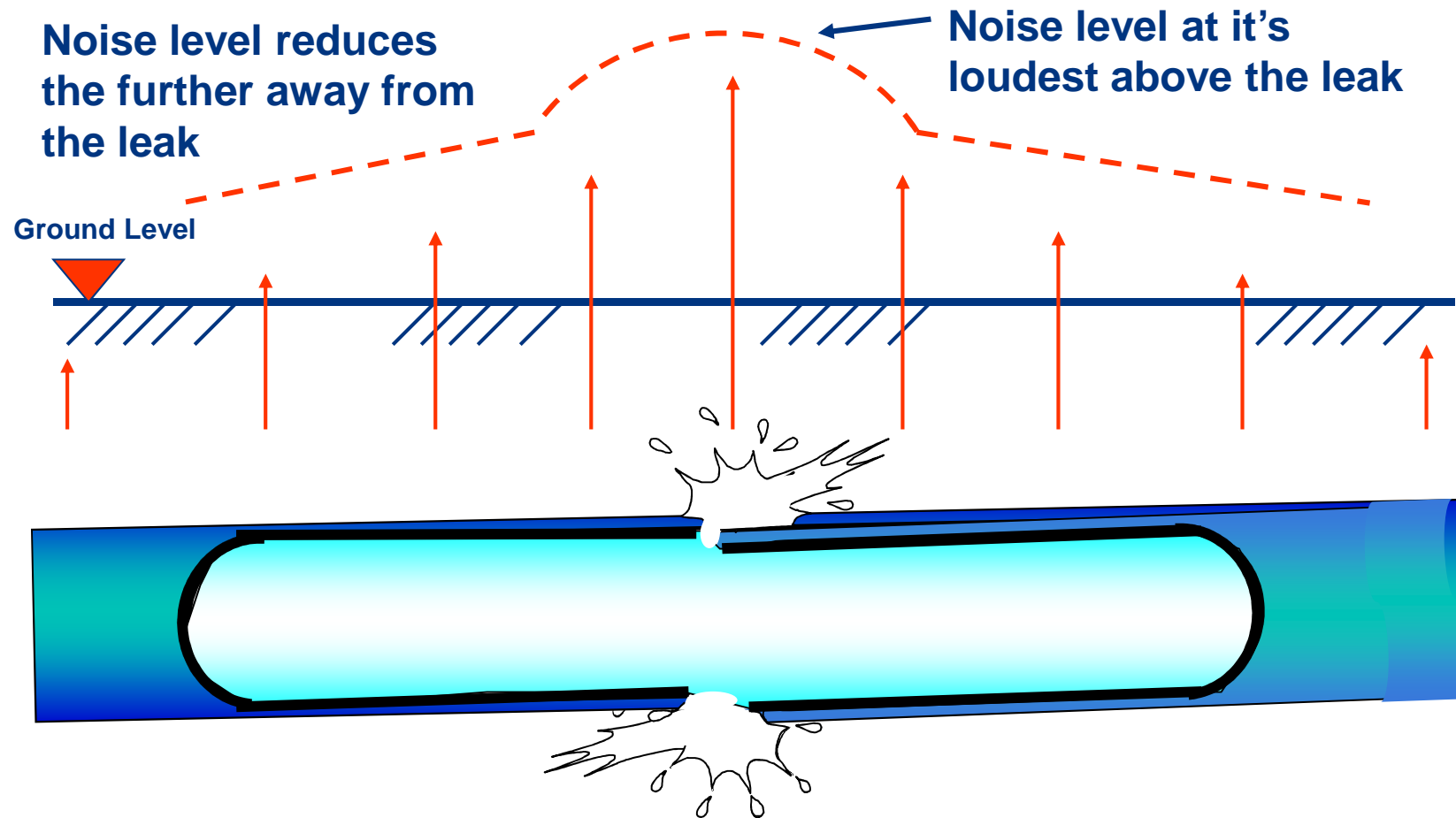
Identifying the position of the loudest leak noise indicates the ground position of the actual leak itself.

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What is a Ground Mic?



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EQUIPMENT LAYOUT



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Full Xmic System



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**High quality
David Clarke
headphones**

**The Foot
(Elephants foot)
Used on hard
ground surfaces**

**Extension rod
Used for listening
on fittings or
through soft
surfaces**

**Tripod foot
Used on uneven
surfaces**

Base unit



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Base Unit



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- 1 - Headphone control
- 2 - Mode select
(Preset / Manual / MLP)
- 3 - Acoustic signal level
- 4 - Battery status
- 5 - On / Off & Backlight
- 6 - Gain level
- 7 - Increase & decrease level
- 8 - Charging LED
- 9 - Contrast adjustment
- 10 - Option select
- 11 - Option select
- 12 - Option select

Base Unit



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- 1 - Headphone & Charging**
- 2 - Sensor connection**
- 3 - Battery compartment**

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CHARGING



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Charging

To charge connect the charger, the LED battery charge light will illuminate, this will go out when fully charged.

Charging time is approx 7 hours



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BUTTON OPERATION



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Button Operation



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Press once to turn on

Press once more to turn off backlight

Press and hold down for 2 seconds for off



Press once to turn on

Press once to mute

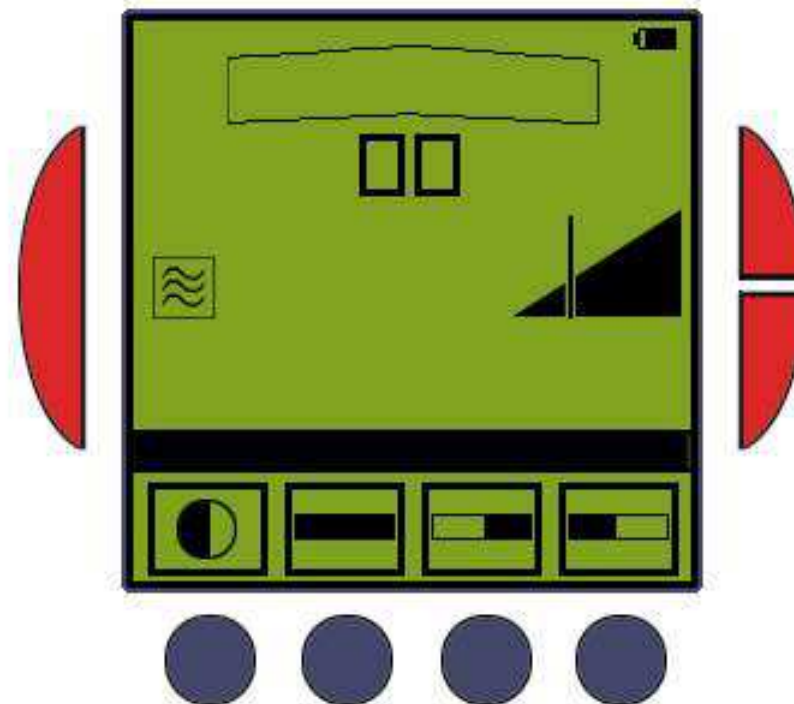
Press and hold to listen until released

Button Operation



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The mode button
toggles between
Preset filters,
Manual filters &
MLP mode



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FILTER SCREENS



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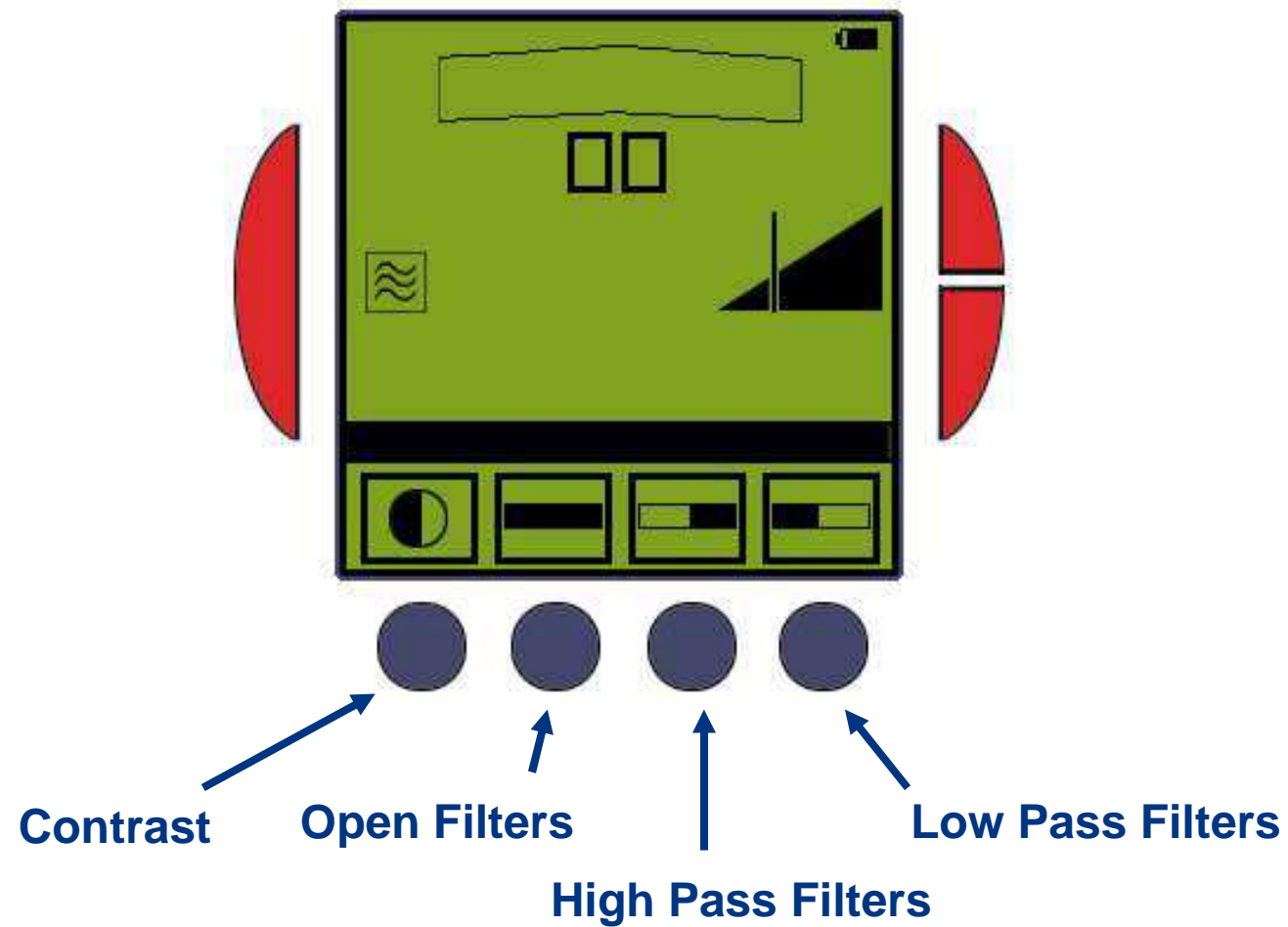


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Preset Filtering



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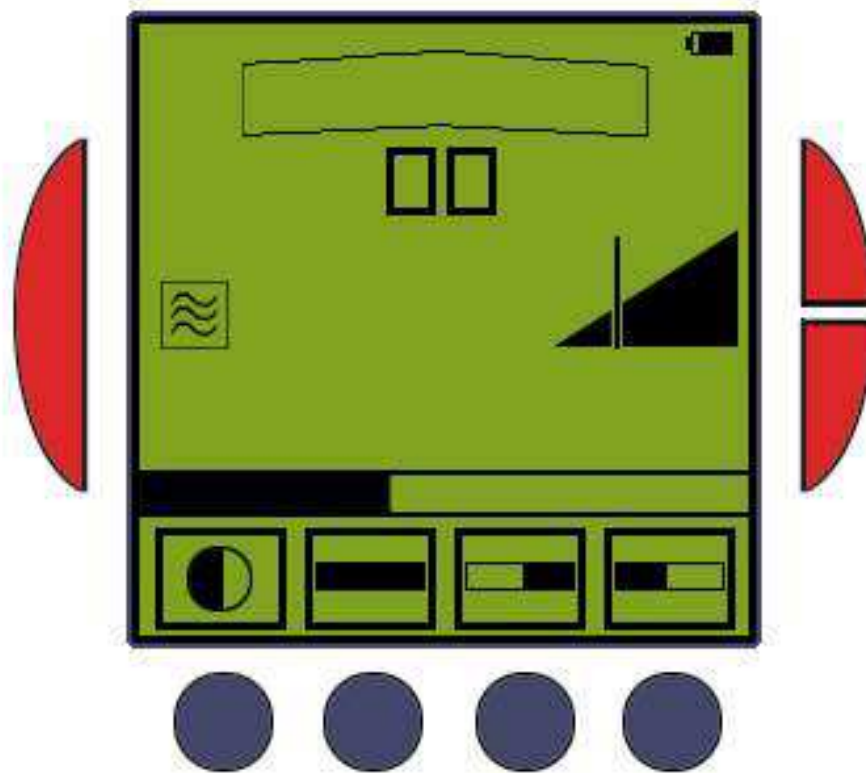


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Low Pass Filtering



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Used on plastic pipes

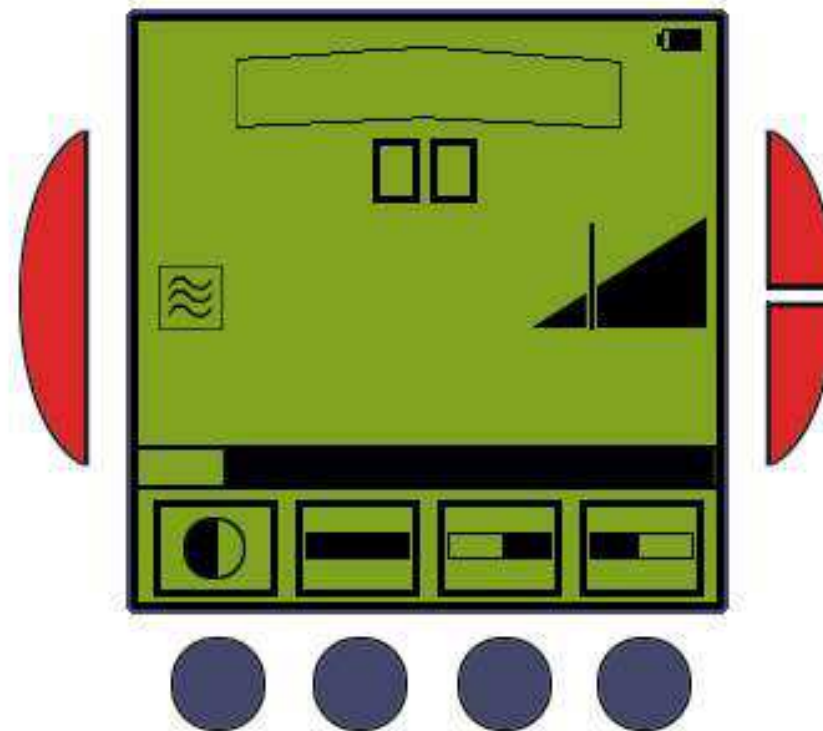
Low Pass Filters

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High Pass Filtering



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Used on metal pipes

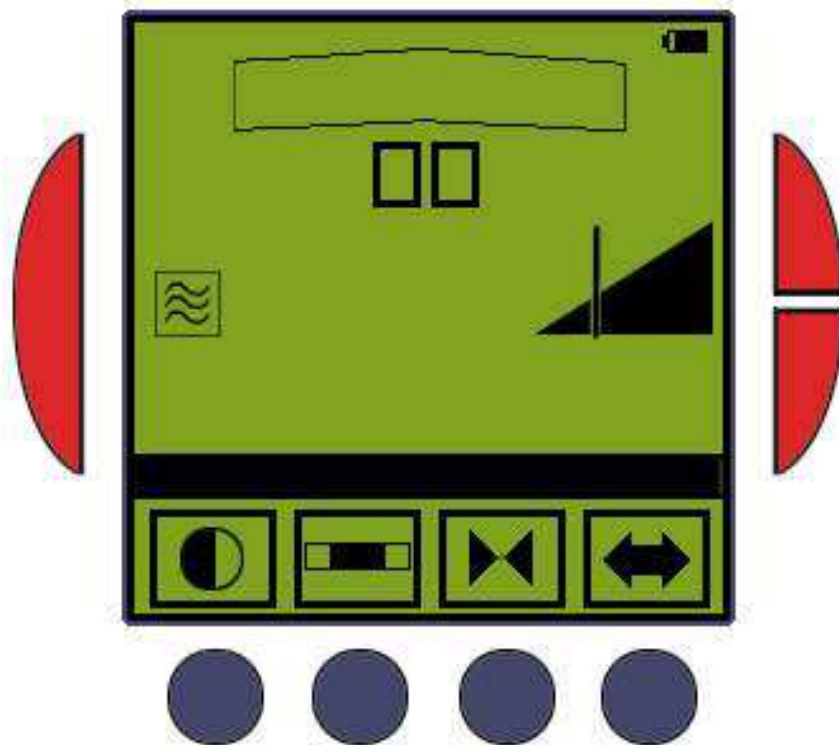
High Pass Filters

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Manual Filtering



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By pressing the mode button once, manual filter options are available.

To move the filters

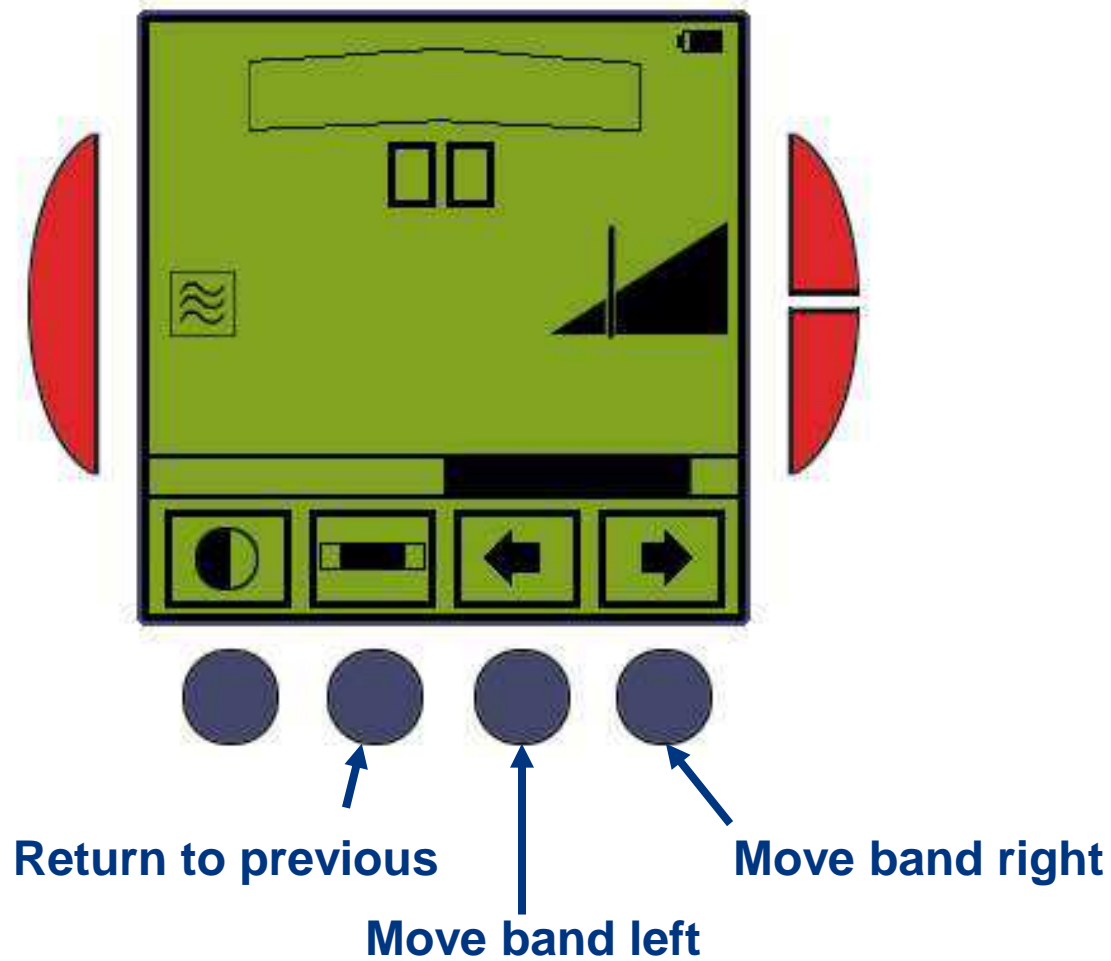
To narrow the filters

To widen the filters

Manual Filtering



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MLP MODE (Minimum Level Profiling)



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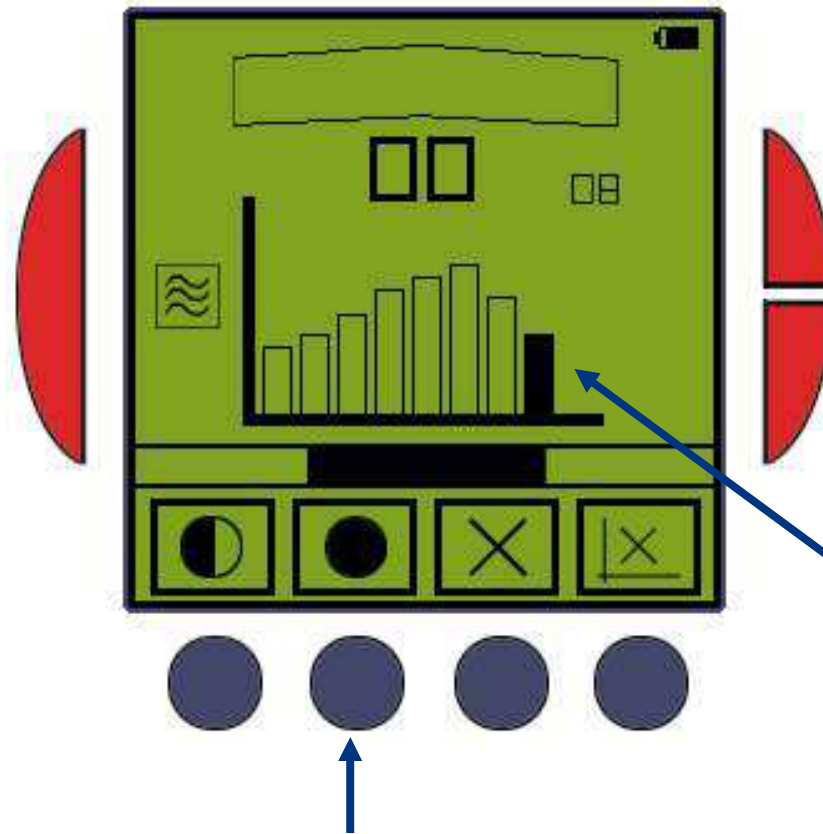


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MLP Mode



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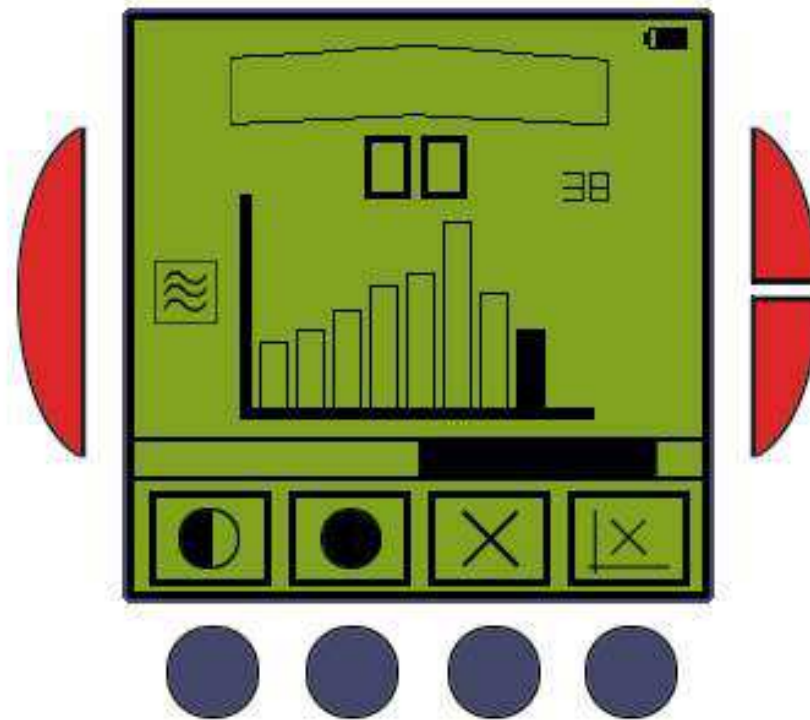
The noise value
is displayed on
the bar chart

Place sensor down, wait 3 seconds
and press the record value button

MLP Mode



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**Removes the last
recorded noise
from the chart**

**Clears all recorded
noise values from
the chart**