INTERACTIVE QUICK START GUIDE
NEW FEATURE FOCUS FOR JAN
2019 FIRMWARE RELEASE

Before trying the new device firmware, please ensure that you have the very lastest copy of MIRA on your PC and that you update your device accordingly. Please locate the lastest MIRA file here:
https://pathme.de/support/#sw
For instructions on how to install MIRA software, please refer to the Quick Start Guide: https://pathme.de/wp-content/uploads/quickguides/100800-13_Sentiero-Firmware-Update-Quick-Start-Guide.pdf

NEW FEATURES FOR ABR!

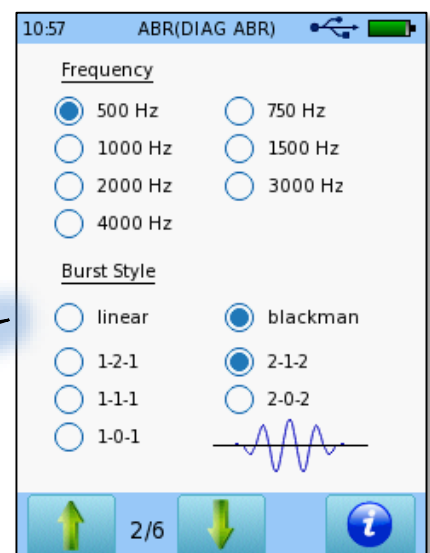Please click on the "Watch the video" link throughout the document for additional information! **Watch the video**
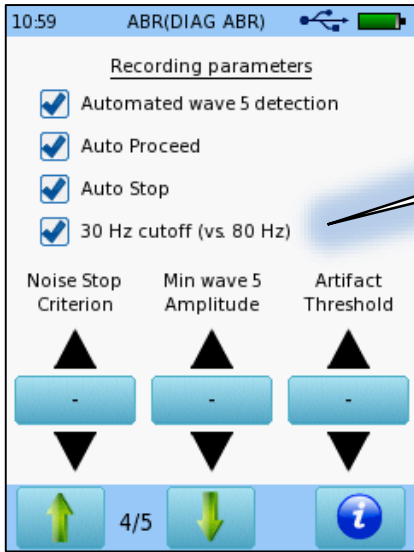
NEW SETTING OPTIONS polarity & tone burst
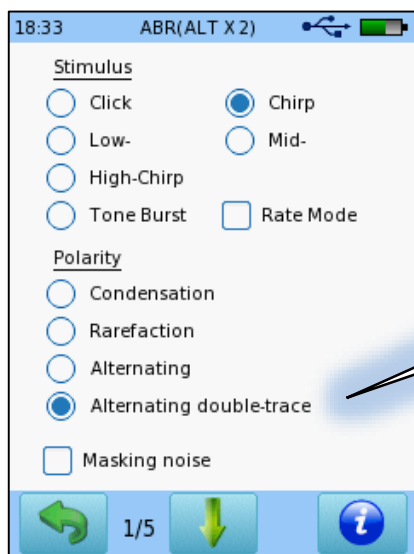
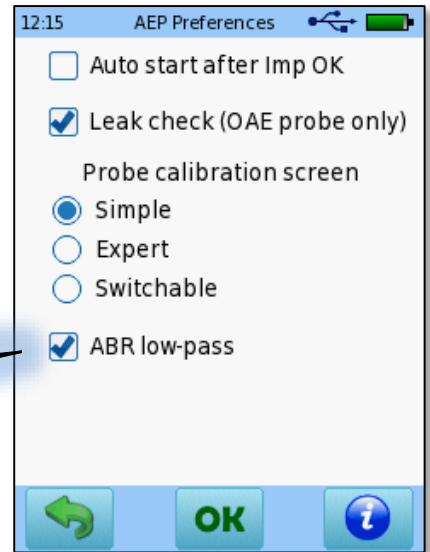Polarity option allows separate averaging of condensation and rarefaction traces

Tone burst ramp style now includes "Linear" and "Blackman"
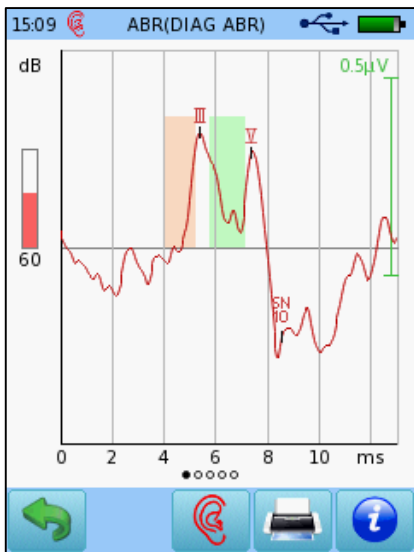
PATH MEDICAL

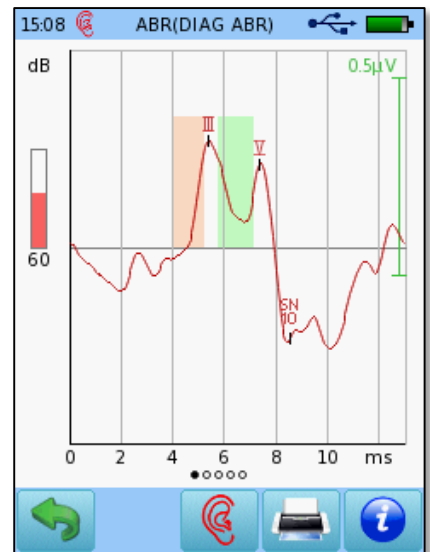# NEW SETTING OPTIONS, filters

Hi-pass filter cut-off frequency (30/80hz)

In AEP preferences setting page, ABR traces plot can be set to 1.5kHz (ticked) or 3kHz low-pass filtered
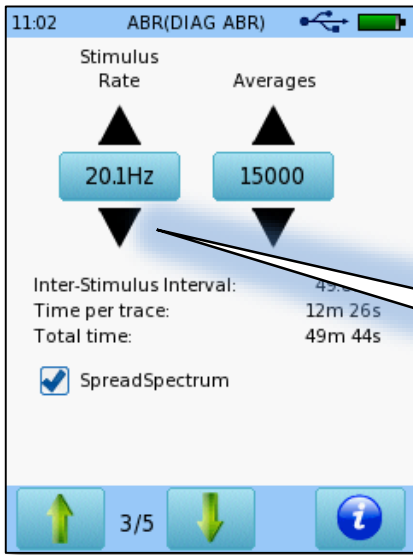
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Long press on traces turns on/off low pass filter on test result

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NEW SETTING OPTIONS stimulus rates

11:02   ABR(DIAG ABR)
Stimulus Rate   Averages
▲   ▲
20.1Hz   15000
▼   ▼

Inter-Stimulus Interval:
Time per trace: 12m 26s
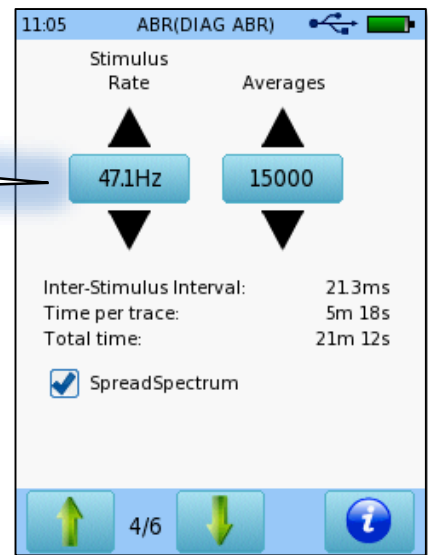Total time: 49m 44s

☑ SpreadSpectrum

3/5

Watch the video

New default stimulus rates, ex.

11.1Hz   20.1Hz   27.7Hz

Additional standard default rates for toneburst ABR

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11:05   ABR(DIAG ABR)
Stimulus Rate   Averages
▲   ▲
47.1Hz   15000
▼   ▼

Inter-Stimulus Interval: 21.3ms
Time per trace: 5m 18s
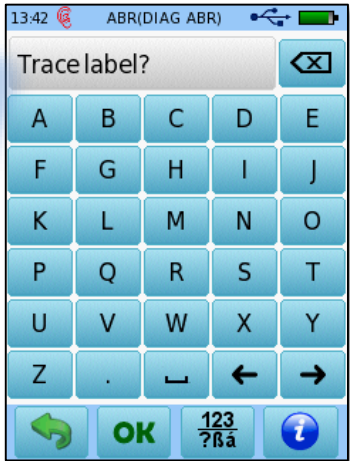Total time: 21m 12s

☑ SpreadSpectrum

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NEW SETTING OPTIONS free text marking
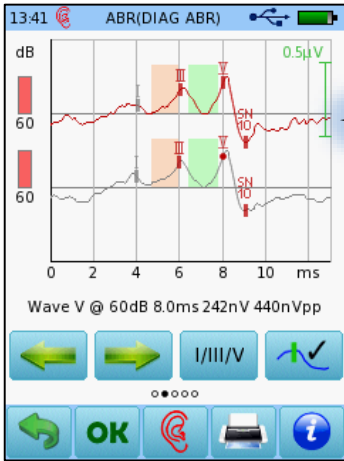
In peak settings mode, use "long press" on trace to bring up the label text mode

Type comments that you wish to add
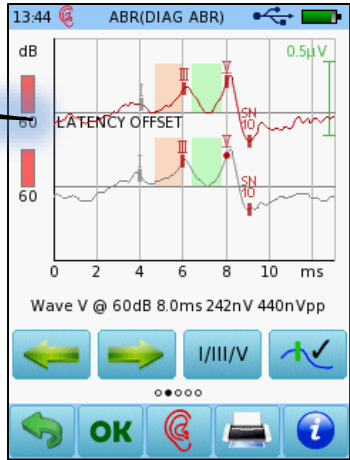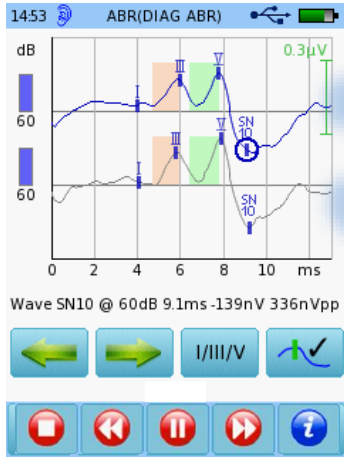
Comments appear here

Watch the video

Free text can also be added to **E-ABR traces** for clear and easy electrode identification

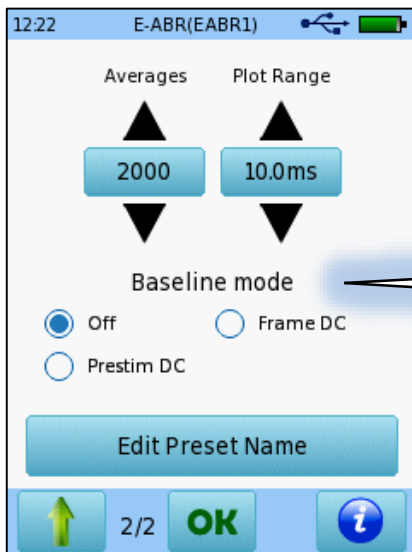# NEW SETTING OPTIONS peak marker and SN10 in run mode

During test, SN10, I/III/V can be set for any traces completed

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This trace currently running

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NEW FEATURE FOR E-ABR!

12:22	E-ABR(EABR1)

Averages   Plot Range

▲   ▲

| 2000 | 10.0ms |

▼   ▼

Baseline mode
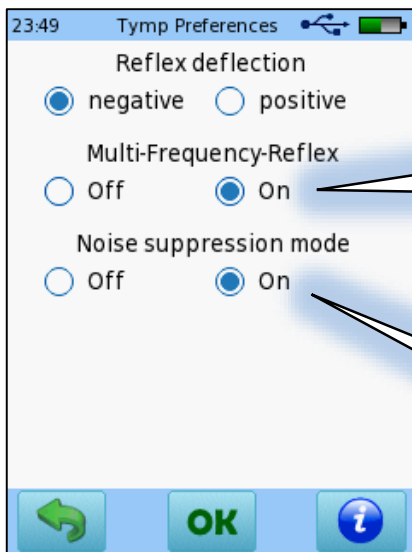
◉ Off   ◯ Frame DC
◯ Prestim DC

Edit Preset Name

⬆   2/2   **OK**   ⓘ

Additional setting option for defining the baseline for E-ABR traces

NEW EVALUATION FEATURE FOR TYMP

MULTI FREQUENCY REFLEX evaluation only!

23:49	Tymp Preferences

Reflex deflection
◉ negative   ◯ positive

Multi-Frequency-Reflex
◯ Off   ◉ On

Noise suppression mode
◯ Off   ◉ On

↩   **OK**   ⓘ

From "Tymp preferences" switch this on to enable 3 additional reflex traces at extra probe frequencies: 678,904,1130 Hz.

New noise suppression mode: enables increased tolerance to movements during testing thus providing smoother reflex traces

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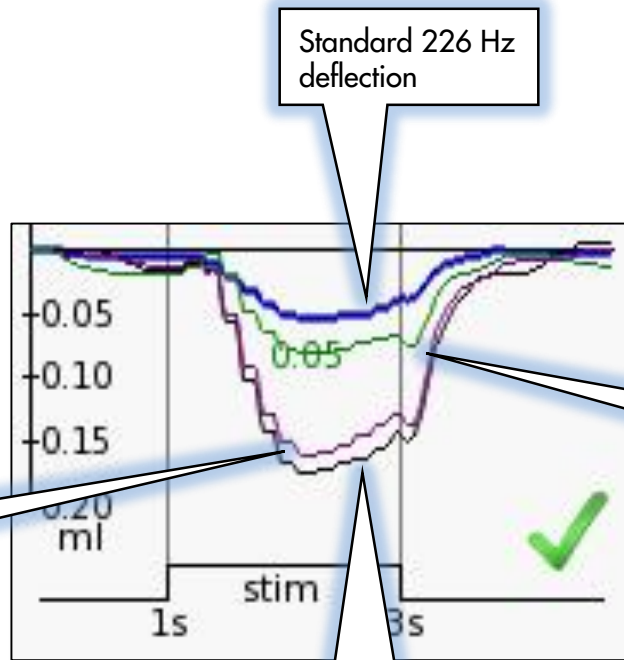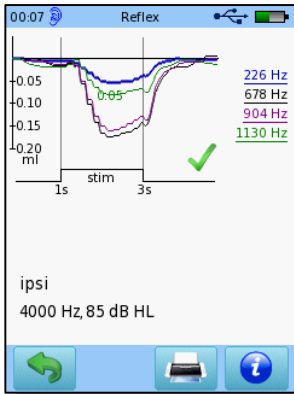
Standard 226 Hz deflection

Increased deflection @ 1130 Hz

Increased deflection @ 904 Hz

Increased deflection @ 678 Hz

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With reference to the traces above, the standard 226 Hz probe tone is sufficient to enable auto stop at 85dB, but all of the other traces show increased deflection. **How does this help?** When testing patients with Hyperacusis we may be able to use lower stimulus levels to test the reflex. In the case of younger children, the reflex could also be tested at **lower levels** in order to not wake the child, resulting in a much more comfortable test for the patient.
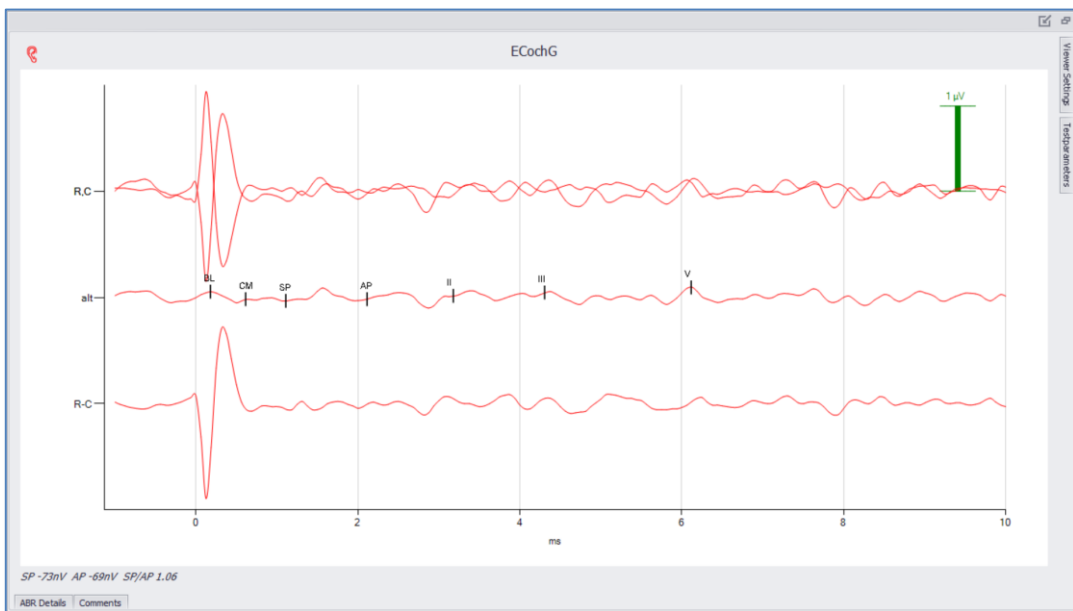
PATH MEDICAL

NEW FEATURES FOR MIRA PC software

NEW full size test result viewer, simply access this here:
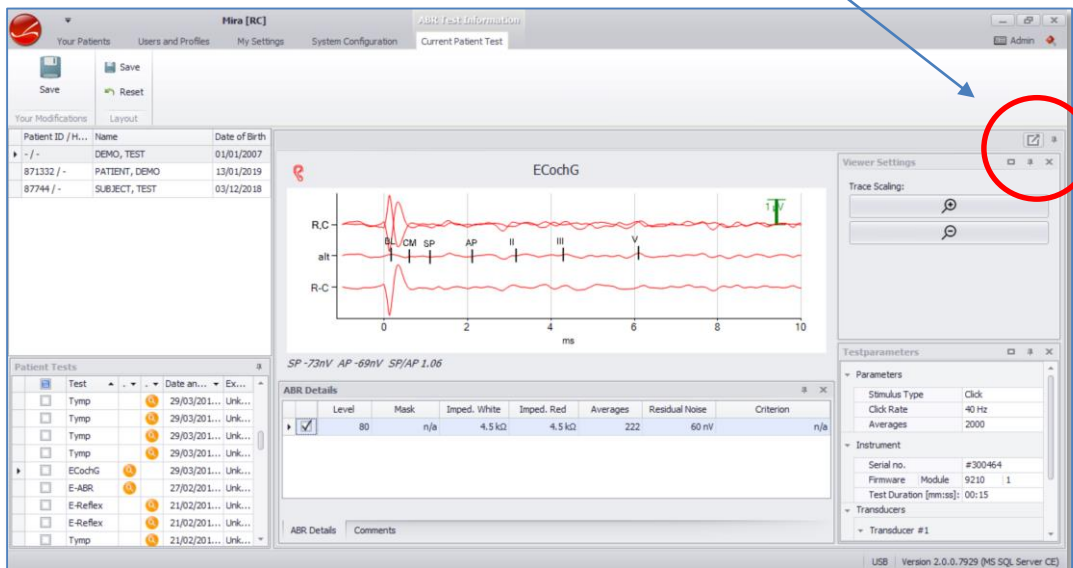
SEE all test data in full size on your PC,
ABR/EcochG/OAE/PTA/TYMP/Speech

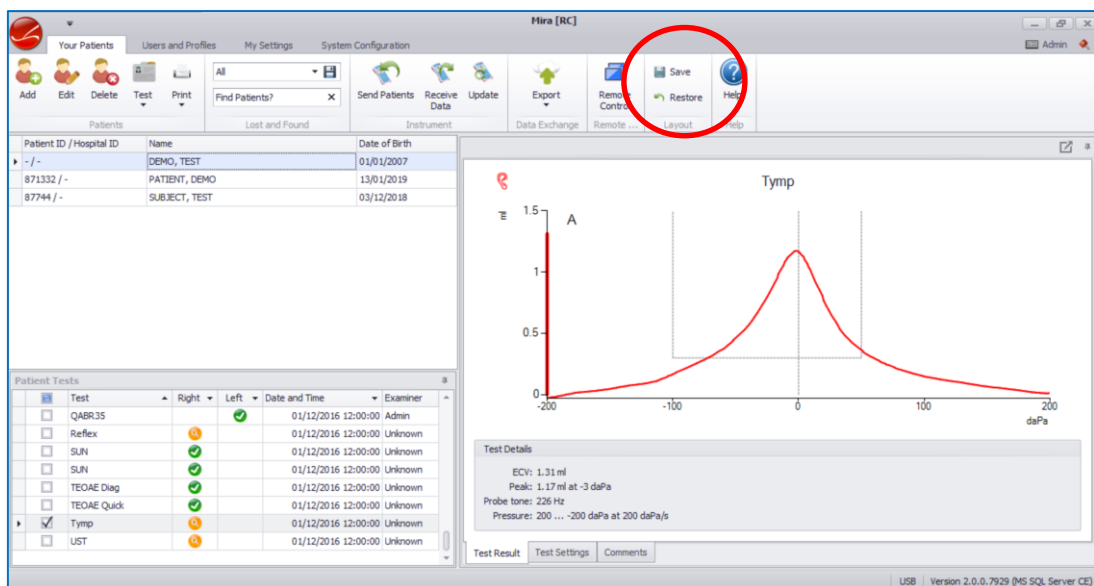Watch the video

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Manually move ABR traces

Individual traces can be moved to perform manual overlay of the traces:

1.) Left click your mouse over the level number displayed on the left (example 70)
2.) Move your mouse up or down whilst holding the left click down.

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Save workspace selection for subsequent test review

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Other MIRA enhancements:

❑ Additional flexibility for printing including changes to waveform position on ABR test and print result without saving.
❑ MIRA recalculates ABR traces in Weighted Average view when selecting/deselecting the same stimulus level for multiple traces.

Quick Guide Information

Release date: 2019-01-29
Revision: 100800-32_01
Valid from: Firmware Rev. 2.5.9582, Mira PC Software Rev. 2.0.0.7933
Applies to: SOH100360 and SOD100497

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The latest revision of the Quick Start Guide is available online at www.pathme.de/download.

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