

# ASSR

### ▶ Turning On/Off, and charging the device



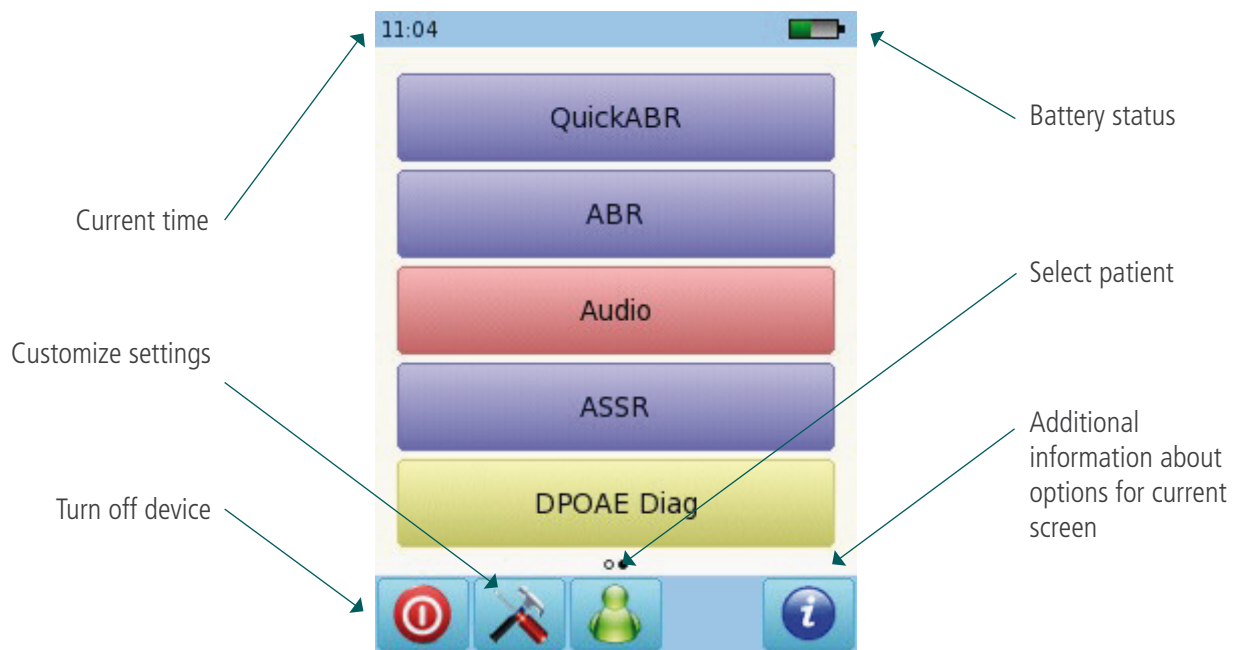
On/off button on right side



Power supply connector

### ▶ Start menu

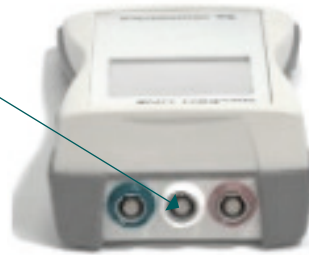
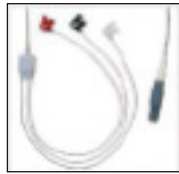
Note: this screen (test options) can vary depending on your set up



### ▶ Testing

Auditory Steady State Response (ASSR)

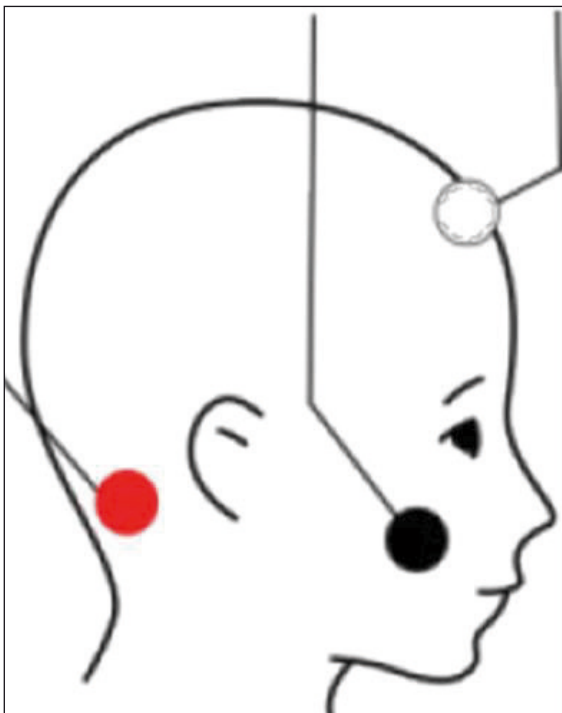
Connect the electrode cable to the white and the probe to the red connector.



Connect the transducer to the appropriate connector:

- |                                    |                |
|------------------------------------|----------------|
| Headphones or insert earphones:    | blue connector |
| Probe:                             | red connector  |
| Second probe for binaural testing: | blue connector |

Clean the patient's skin and place the electrode pads. Connect the clips to the corresponding sites. Recommended montage is:



- White: high forehead
- Black: cheek
- Red: mastoid

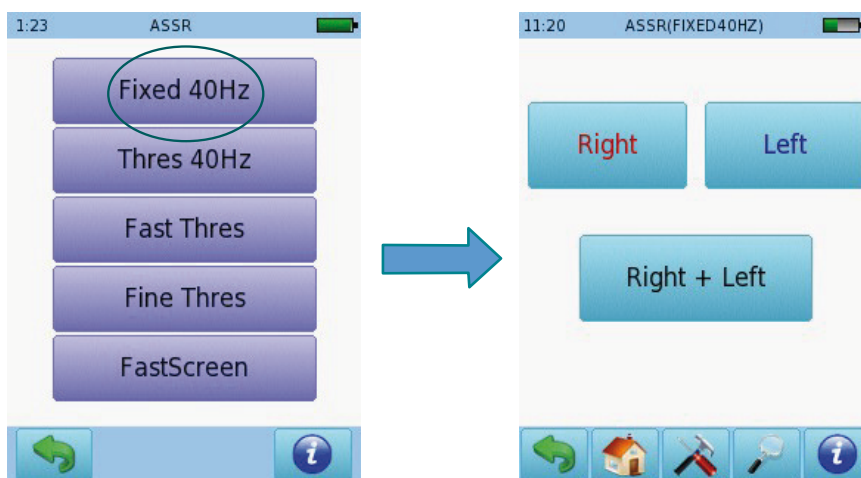
For binaural testing, place red electrode on the nape.

If you are using insert earphones, select the proper size ear tips and place it in the ear canal.

If you are using headphones, place them over the ears.

Select ASSR

Select the protocol you would like to use. To change the parameters, select one of the presets and then the tools button at the bottom of the screen:

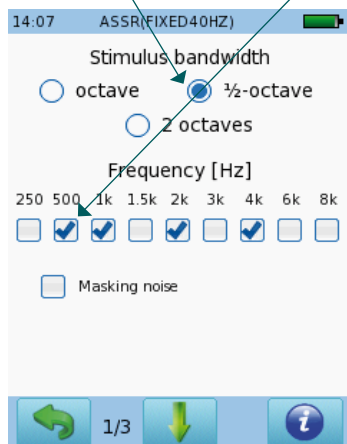


### Configurable test parameters

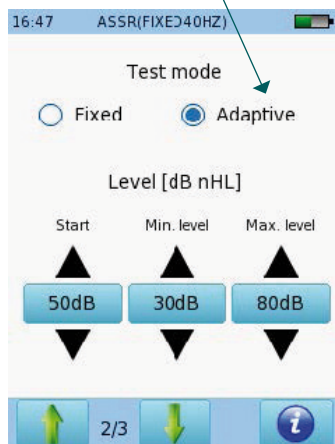
Half octave stimuli provide better frequency specificity but longer testtime

select frequencies to test

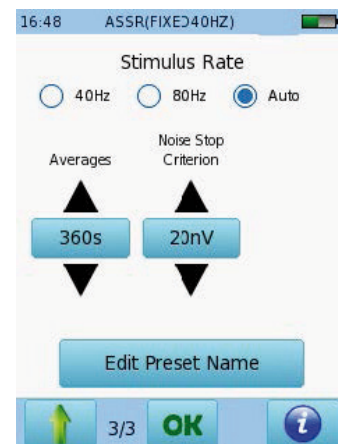
Fixed: will test all selected levels  
Adaptive: used for threshold search



Select masking noise (monaural testing only)



Select start, minimum and maximum level for adaptive mode



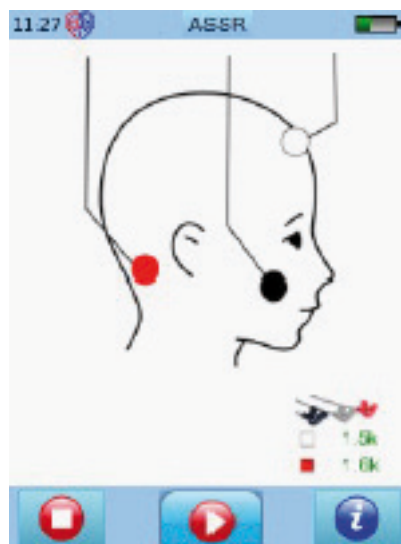
40 Hz: awake and adult patients  
80 Hz: babies and higher frequencies  
Auto: mixed rate, optimized for performance

Select the test ear by pressing either the Right or Left button, or Right + Left for binaural testing. Binaural testing is available when headphones, insert phones or two ear probes are connected (if stimulating at low intensity levels only).

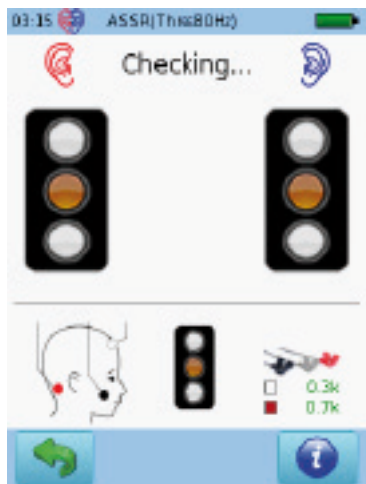


Make sure the patient is sitting or lying down comfortably.

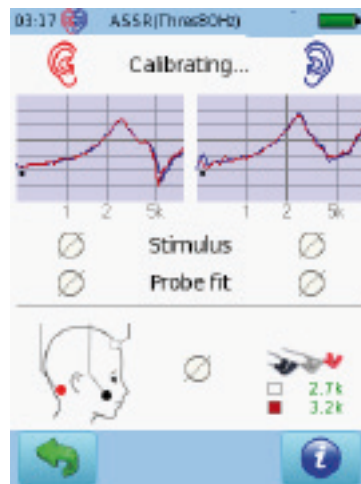
An impedance check will be performed prior to measurement. If impedance is below 6 k ohm, the start button will become available. You can configure the settings for the test to autostart if the impedance is lower than 4 k ohm. If impedance is higher than 6 k ohm but below 12 k ohm, a skip button will become available. An impedance below 6 k ohm is recommended for best test results.



If you are using an ear probe, a calibration will be performed together with the impedance check. You can select the simple calibration or the expert calibration mode in the device set up. Note: the probe can only be used for low stimulus intensity testing.



Simple calibration mode



Expert calibration mode

▶ ASSR test screen

Progress for each tested frequency

Frequency being tested

Intensity level being tested

Overall EEG, – value should remain in the lower third. Press to enable raw EEG view

Impedance monitor

Test progress

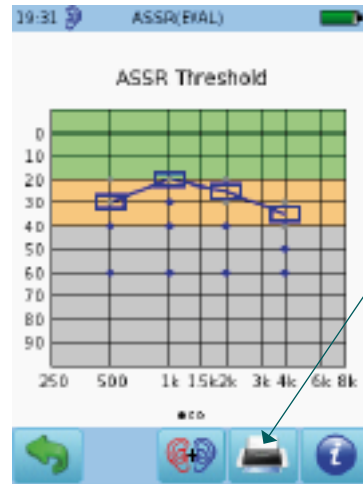
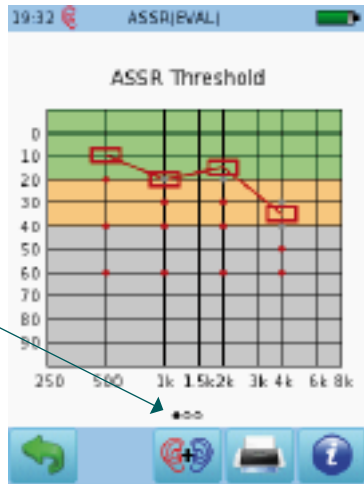
Stop test

Pause ongoing test

Skip this single test

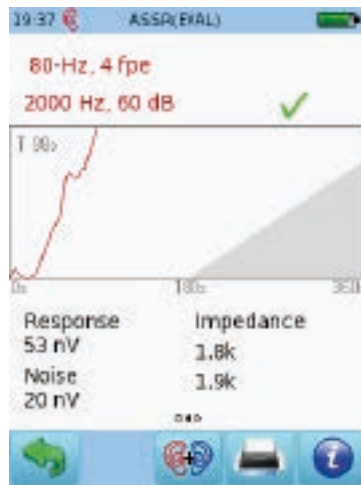
▶ ASSR test results

Please note that the estimated audiogram is only available in the adaptive test mode.



Note: These circles indicate that other screens are available to view. Swipe your finger right or left to get other views.

Print results to a label or to a pdf file



Press on a check mark or circle to view details

Test conditions

## Quick Guide Information

Release date: 2017-01-11

Revision: 01

Valid from: Firmware Rev. 2.1, Bio-link PC Software Rev. 2.0

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Errors and omissions excepted.

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