

# OtoNova

CLINICAL

Wireless **OAE** + **ABR**



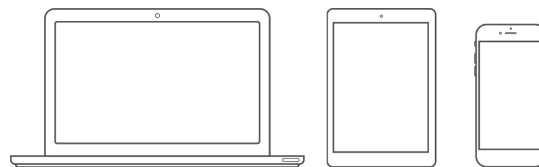


# OtoNova

CLINICAL

Wireless **OAE** + **ABR**

OtoNova performs diagnostic DPOAEs plus TEOAE & ABR screening in a unique way! You control the test and see the results from a tablet, or PC or smartphone, via a secure wireless connection. Freedom from cabling helps you and the patient be more comfortable and reduces noise pickup. OtoNova is ideal for the audiology clinic. Test adults, children and infants using proven technology based on the Otoport





## ANY COMBINATION

TE **OAE**

DP **OAE**

**ABR**



Every OtoNova is 100% capable of all three test modes and can be operated from your choice of Windows PC, Android Tablet or Smartphone. With OtoNova you are not limited to one installation. Use your OtoNova from your PC in the clinic, and from a smartphone or tablet in the nursery. Data is separately saved on each computer device. You can choose which OtoNova test modes are available from each computer device.



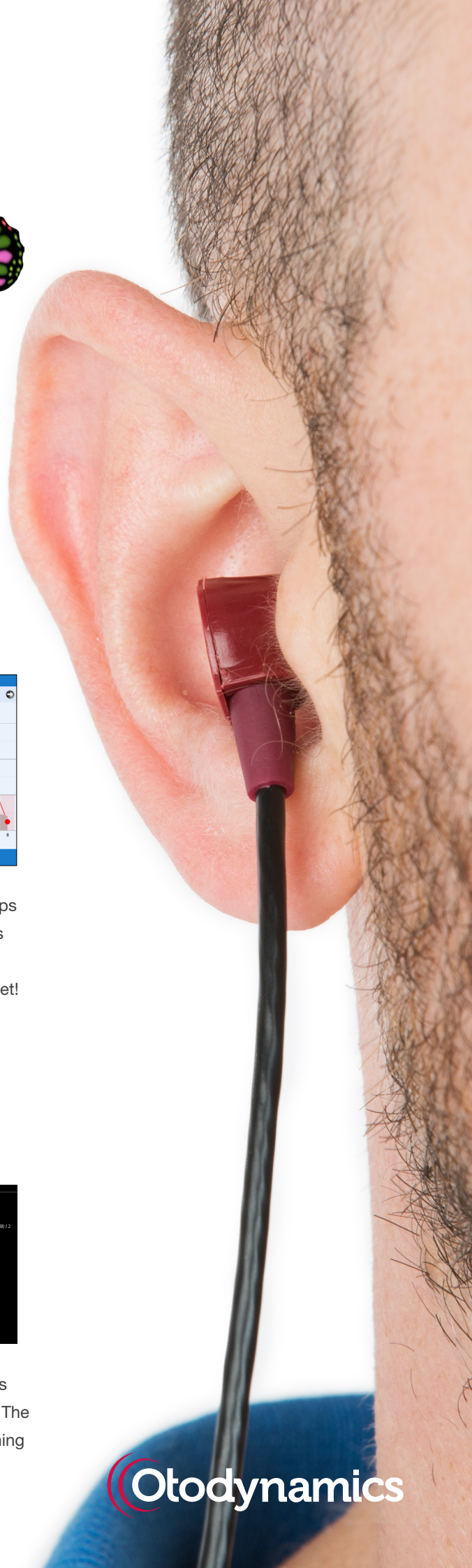
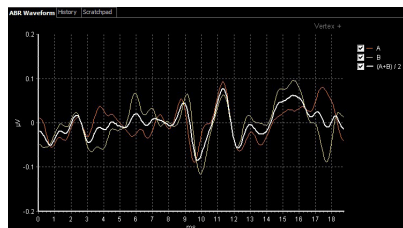
## CLINICAL DETAIL

OtoNova records clinical quality DPOAEs, showing dB SPL against frequency from 1 to 8kHz at 4 points/octave. The stimulus level is configurable. The frequency sweep can be automatic or manually controlled by our 'Touch-Graph' facility. TEOAEs stimulus and response waveforms are recorded with spectrum analysis. OtoNova helps you get clear results from difficult infants. The wireless connection helps them be comfortable, which reduces noise. Our software also includes entertaining animations which get more interesting when the child is quiet!



## SCREENING OAEs

OtoNova is fast for screening. 70 seconds for an average automated ABR pass. As low as 7 seconds for an OAE pass. Our algorithms are proven to deliver very high sensitivity. High Specificity relies on your testing conditions and here the OtoNova scores by giving feedback which helps screeners improve their technique and whole programme performance. The ability to review the raw data on NovaLink or Otolink also assists in training and optimisation.

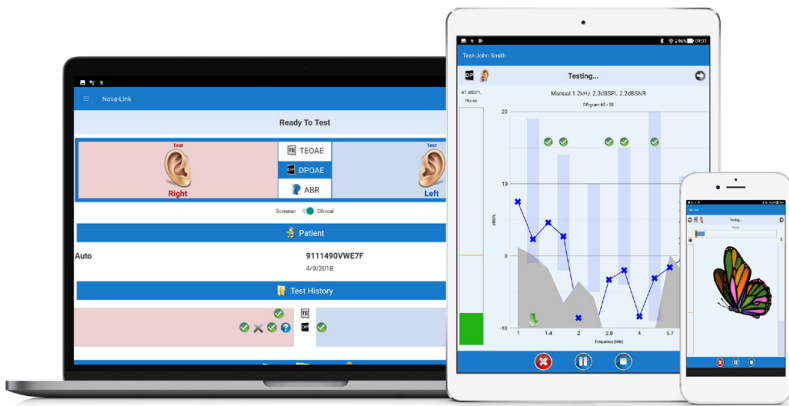




## GOLD STANDARD

### OtoNova is built on Otodynamics proven ILO, Echoport and Otoport technologies

For clinical DPOAEs OtoNova covers 1-8kHz at 4 points per octave, with selectable stimulus levels. For screening OtoNova has pre-configured options for efficient newborn screening, based on NHSP protocols. But you can use OtoNova with any age and customise it to meet your special requirements. For ABR either the OAE probe or an ear-cup can be used for wide band chirp stimulation at 35- 45dBnH, or up to 60dBnHL with OAE probe stimulation. Use your choice of electrodes. OtoNova's fast ABR pass-refer decisions use our enhanced Fsp algorithm, benefiting from weighted averaging and waveform templating for newborns. The ABR waveform is displayed and saved for each test. OtoNova's TEOAE uses ILO Quickscreen 'gold-standard' clicks at 84dB SPL<sub>pe</sub>, and it saves the full response waveform for analysis. For DPOAE screening you can choose the stimulus level from 6 commonly used settings. OAE passes require 6dB SNR at the number of frequencies that you select. TEOAE screening frequency bands are 1, 1.5, 2, 3, 4kHz. DPOAEs screening covers 1-6kHz or 1.5-8kHz in ½ octave steps, also with a 6dB SNR pass criteria.



## WIRELESS CONTROL

### OtoNova is controlled wirelessly from your Android or Windows 10 device via our Nova Link App

Nova-Link offers you touch-screen control of all OtoNova functions. It displays test progress and indicates any noise, probe fit or electrode impedance problems. Results are saved in a 10,000 test researchable patient database. You can recall and view full response data using OtoNova, or download to Otolink on PC for further analysis. For screening Automatic Pass/Refer Decisions are based on Otodynamics 30 years experience with universal newborn hearing screening programmes. And when there is no clear result, Nova-Link will tell you why. You can print test reports from your computer or tablets local, bluetooth or networked printer, or print to pdf file. Download records to Otodynamics' Otolink PC software for compatibility with NOAH, other management systems and Otoport devices.





## TOUCH CONTROL

### **The OtoNova device has its own touch controls**

OtoNova is always under your control through the touch screen of your tablet/phone/PC but you can also select ears, start a new test or mark a 'new patient' in the database using the OtoNova's own touch controls! This can be very useful in the nursery. LEDs on OtoNova can highlight any problems such as noise, bad probe fit, or individual electrodes with too high impedance, and they can indicate the test result. Tests results are always transmitted securely back to the tablet or computer and saved.



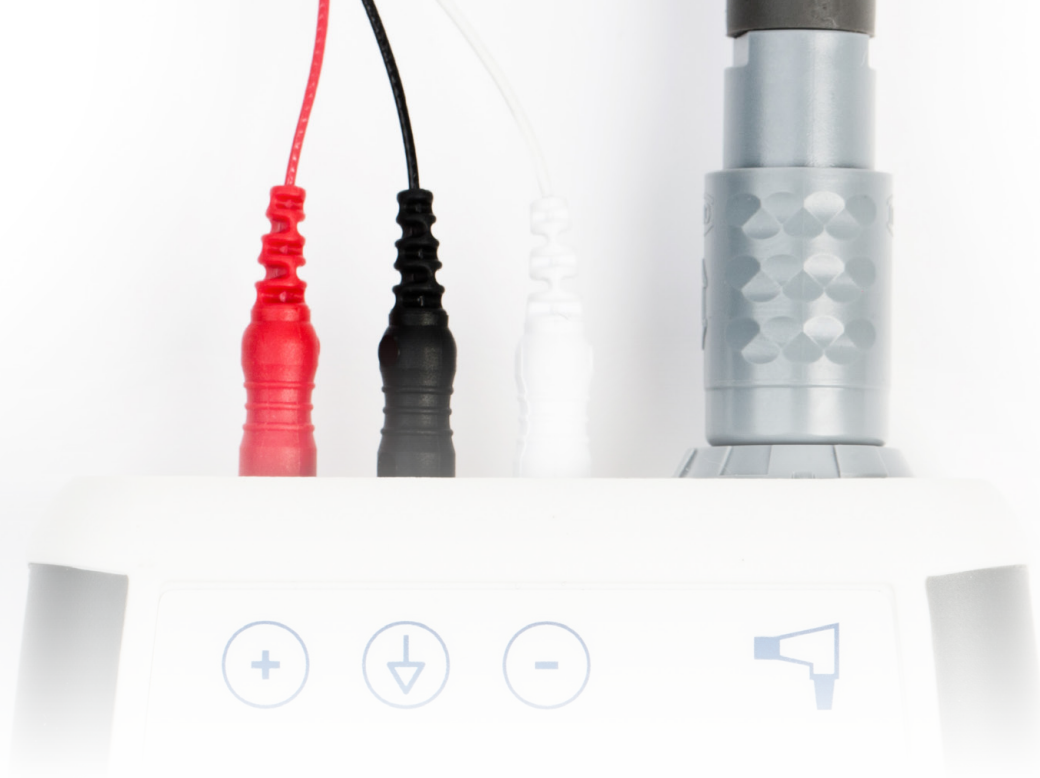
## EASY TO USE

### **OtoNova is robust, easy to use and clean**

There is one connector for the OAE probe /ABR stimulator and three standard 1mm electrode sockets. No other connections are needed.

Connection to the computer device is automatic and wireless. Incredibly low power consumption, automatic standby and intelligent power management mean there isn't even an on/off switch! One charge gives you more than 2 months standby, and completes more than 500 tests. OtoNova wakes up when you tap it (unless you put it in 'flight mode'). It is even recharged wirelessly (standard charge pad supplied). OtoNova is sealed with infection control in mind so you can safely and easily wet-wipe the OtoNova to keep it clean.





## INCLUDES OTOLINK SOFTWARE

### PC Data Management Suite



NovaLink has all the functionality you need for testing and to manage your testing activities and records. Otolink PC patient data management suite is included with OtoNova and provides even more patient management facilities and deeper Data analysis. Download test results to PC wirelessly or via USB from the your smart device. Test details can be quickly reviewed, printed and archived. Print reports directly or to PDF file. Data can be exported from Otolink for example, to Oz, Hi Track, GDT, Noah\*\*\* or as a CSV file. Patient work lists can be uploaded to the OtoNova, assisting with managing workloads in busy environments. Compatible with Windows 10, 8 and 7.

For further information, please contact us:

[www.otodynamics.com](http://www.otodynamics.com)  
[info@otodynamics.com](mailto:info@otodynamics.com)





## WHATS INCLUDED

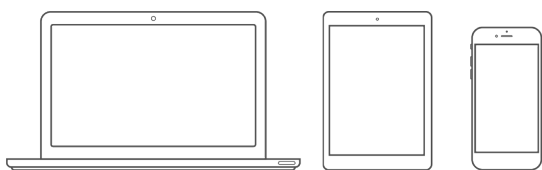
### with your OtoNova

- OAE probe with cable clip
- Wireless charging mat
- Sample ear tip pack
- ABR electrode cables
- Sample electrode pack
- Probe test cavity
- User manuals
- Carry Case
- Otolink PC Software
- Novalink App access for Android and PC devices



## COMPATIBLE

### Options for your OtoNova



#### CHOICE IN COMPUTER DEVICE

You specify the type and size of tablet or laptop you want to use to control testing with the OtoNova. Your Otodynamics distributor will assist with your choice of tablet or other device. You may find that an Android smart phone is ideal for you. You may install the NovaLink app on multiple devices and control your OtoNova from any one. Each will keep its own test records, which can be merged in Otolink.



#### ADD PRINTER

Your tablet or laptop will allow NovaLink to print test reports to any compatible wifi printer.



Noah 4

#### ADD NOAH

Our NOAH option makes Otolink PC patient data management suite fully compatible with Noah 4





# ANNIVERSARY EDITION



Otodynamics Ltd.

30-38 Beaconsfield Road Hatfield Herts AL10 8BB UK

T. +44 (0)1707 267540 E. [info@otodynamics.com](mailto:info@otodynamics.com)

[www.otodynamics.com](http://www.otodynamics.com)