

Technical data sheet

BTE SP

110



	Xceed Play 1	Xceed Play 2	
Speech Understanding	OpenSound Navigator™	Level 1	Level 2
	- Balancing power effect	100%	50%
	- Max. noise removal	9 dB	5 dB
	OpenSound Optimizer™	•	•
	OpenSound Booster™	•	•
	Speech Guard™ LX	Level 1	Level 3
	Speech Rescue™ LX	•	•
Sound Quality	Clear Dynamics	•	-
	Spatial Noise Management	•	-
	Processing Channels	48	48
	Bass Boost (streaming)	•	•
Listening Comfort	Transient Noise Management	4 configurations	3 configurations
	Feedback shield LX	•	•
	Wind Noise Management	•	•
Optimising Fitting	YouMatic™ LX, NR levels	3 configurations	2 configurations
	Fitting Bands	14	12
	REM AutoFit	Verifit® LINK, IMC2	Verifit® LINK, IMC2
	Paediatric Fitting Mode	•	•
	DSL Fitting Range	•	•
	VC range and step size	•	•
	Fitting Formulas	DSL v5.0, NAL-NL1+2, DSE, VAC+	DSL v5.0, NAL-NL1+2, DSE, VAC+
Designed for children	LED	•	•
	Tamper Resistant Battery Drawer	•	•
	Hypo Allergenic	•	•
	IP Rating	IP 68	IP 68
	Nano Coating	•	•
	Colour Options	12	12
	Integrated 2.4 GHz receiver	•	•
	Remote Mic	•	•
	DAI/FM	•	•
	CROS/BiCROS support	•	•
Bimodal fitting panel	•	•	

Conditions of Use

Operating conditions

Temperature: +1°C to +40°C (34°F to 104°F)

Humidity: 5% to 93% relative humidity, non-condensing

Atmospheric pressure: 700 hPa to 1060 hPa

Storage and transportation conditions

Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage.

Temperature: -25°C to +60°C (-13°F to 140°F)

Humidity: 5% to 93% relative humidity, non-condensing

Atmospheric pressure: 700 hPa to 1060 hPa

Oticon Xceed Play BTE SP is a super power hearing aid with a 13 battery. The style has separate push buttons for programs and volume for easy usage and control. It features T-coil, optional LED indications and support for class room systems.

OpenSound Navigator™ gives paediatric users 360° access to speech by balancing the sound sources and suppressing background noise.

OpenSound Optimizer™ enhances both listening experience and comfort by blocking feedback and allowing the users to receive prescribed gain.

TwinLink™ wireless technology combines binaural communication and streaming, and 2.4 GHz connectivity for stereo streaming directly from digital sound sources.

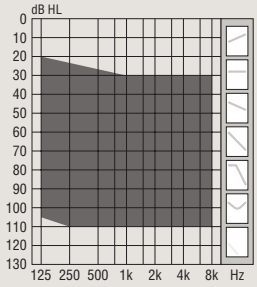
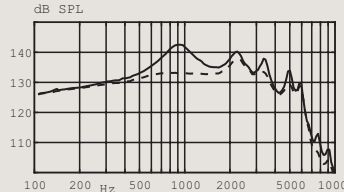
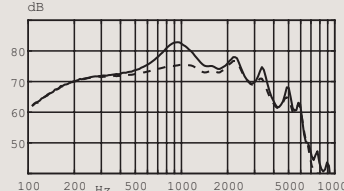
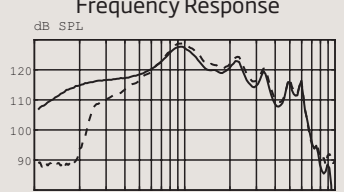
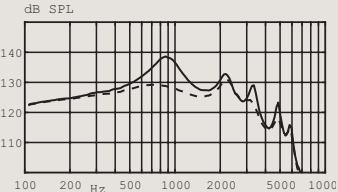
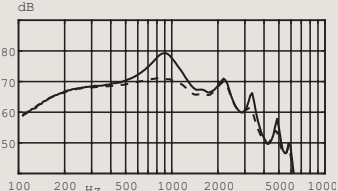
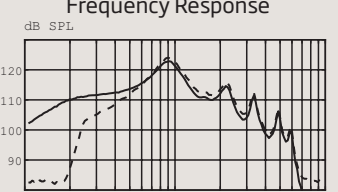
Oticon Xceed Play is built on the Velox S™ platform using a programmable firmware architecture supporting future performance updates.



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Technical data		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI 53.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
 110  DSL Fitting Range Hook, undamped		OSPL90  Full-on Gain  Frequency Response 	OSPL90  Full-on Gain  Frequency Response 
OSPL90	Peak 1600 Hz HFA-OSPL90	143 dB SPL 135 dB SPL 138 dB SPL	139 dB SPL 127 dB SPL 130 dB SPL
Full-on gain ¹	Peak 1600 Hz HFA-FOG	83 dB 75 dB 77 dB	79 dB 67 dB 70 dB
Reference test gain		61 dB	53 dB
Frequency range		100-6500 Hz	100-6100 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	109 dB SPL 126 dB SPL -	- - 115 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	4 % <2 % <2 %	4 % <2 % <2 %
Equivalent input noise level	Omni Dir	18 dB SPL 32 dB SPL	19 dB SPL 34 dB SPL
Battery consumption ²	Typical Quiescent	1.6 mA 1.4 mA	2.5 mA 1.4 mA
Battery life, artificial measurement, hours ³		200	125
Expected battery life, hours (battery size 13 - IEC PR48) ⁴		75-115	

- Measured with the gain control of the hearing aid set to its full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.
- Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of minimum 3 minutes.
- Based on the standardised battery consumption measurement (IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.
- Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).