

OTICON | Xceed Play

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
Sound Quality	Speech Rescue™ LX	•	•
	Clear Dynamics	•	-
	Spatial Noise Management	•	-
	Processing Channels	48	48
Listening Comfort	Bass Boost (streaming)	•	•
	Transient Noise Management	4 configurations	3 configurations
	Feedback shield LX	•	•
Optimizing Fitting	Wind Noise Management	•	•
	YouMatic™ LX, NR levels	3 configurations	2 configurations
	Fitting Bands	14	12
	REM AutoFit	Verifit® <i>LINK</i> , IMC2	Verifit® <i>LINK</i> , IMC2
	Pediatric Fitting Mode	•	•
	DSL Fitting Range	•	•
	VC range and step size	•	•
Designed for children	Fitting Formulas	DSL v5.0, NAL-NL1+2, DSE, VAC+	DSL v5.0, NAL-NL1+2, DSE, VAC+
	LED	•	•
	Tamper Resistant Battery Drawer	•	•
	Hypo Allergenic	•	•
	IP Rating	IP 68	IP 68
	Nano Coating	•	•
	Color Options	12	12
	Integrated 2.4 GHz receiver	•	•
	Remote Mic	•	•
	DAI/FM	•	•
	CROS/ BiCROS support	•	•
	Bimodal fitting panel	•	•

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 classroom systems.

OpenSound Navigator™ gives pediatric 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.

Conditions of Use

Operating conditions

Temperature: +34°F to +104°F
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Storage and transportation conditions

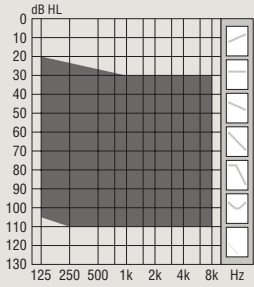
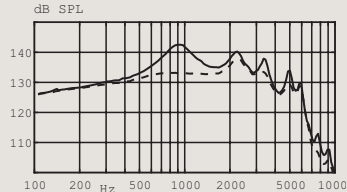
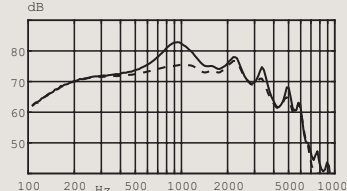
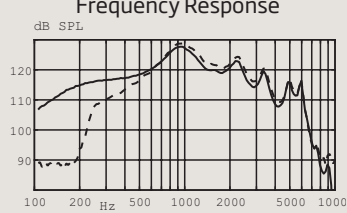
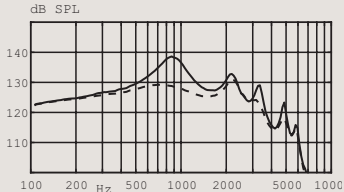
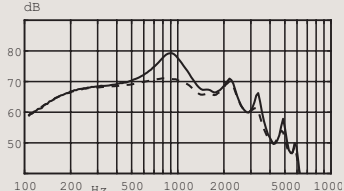
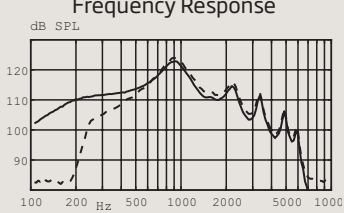
Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage.
Temperature: -13°F to +140°F
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa



IP68

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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 S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006	
 110  DSL Fitting Range Hook, undamped Technical information Omnidirectional mode is used unless otherwise stated. Warning to the instrument dispenser The maximum output capability of the hearing aid may exceed 132 dB SPL. Special care should be exercised in selecting and fitting the instrument, as there may be risk of impairing the remaining hearing of the hearing aid user.			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	

- 1) 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.
- 2) 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.
- 3) Based on the standardized 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.
- 4) 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).

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