

Sordin Supreme X2 SFA

Electronic hearing protector for hunting and shooting

Headband version



DESCRIPTION

Sordin Supreme X2 SFA (Sordin Flexible Attenuation) comes with a detachable distance ring and additional insert for extra high attenuation (SNR:32dB & NRR:25dB), this also allowing you to change between two attenuation levels

Sordin Supreme X2 is a first-class hearing protector for hunting and shooting. Every component is new and designed to perfection to maximize the quality, reliability and comfort of X2. This product is based on the SordinFLEX™ modular design platform, allowing you to reconfigure your hearing protector using X2 accessories.

This gives you safe hearing protection and comfort even in high-noise environments.

AVAILABLE IN

☒ Black

☐ Green



SFA™
32dB
29dB



82 82dB(A)
dB Sound limit cut

KEY FEATURES

Flexible attenuation	Change between SNR values 32 and 29 dB by removing/inserting the distance ring and extra insert.
Cup design	Slim cups to fit both left-handed and right-handed shooters and wearers of eyeglasses.
Maximum 82 dB	Loud impulse noise automatically compressed to maximum 82 dB.
Audio system	SordinHEAR2 offers excellent sound quality and four audio profiles – Hunter, Shooter, Focus and Ambient off.
Decay time	Short decay time, restoring normal sound instantly after a shot.
Ambient sound	High amplification and natural sound reproduction with compression of dangerous sounds. Amplifying harmless ambient sound while protecting against harmful noise.
AUX input	3,5 mm AUX port for connecting external audio sources.
Audio quality	High audio quality, natural ambient sound reproduction.
Voice feedback	Yes (helps you to easily control the functions of the hearing protector).
SordinFLEX	The SordinFLEX modular design platform includes accessories as headband covers and cushions.
Keypad	Ergonomic easy-to-use push buttons to operate the electronic functions.
Impuls noise tested	Yes (see attenuation data for more information).
Waterproof microphones	Yes, the externally mounted microphones are water proof.
Auto power off	Single-battery solution with auto shutdown (4 h).
Low battery warning	Voice feedback for low battery warning (when 10% remains).
Robust electronics	The electronic circuits are encapsulated in multiple layers of lacquer for increased robustness.

MATERIALS

Cups and foam rubber liner	ABS and PU foam
Suspension	Stainless steel and plastic
Headband cover	Leather or colored textile
Cushions	ABS, PVC foil, memory foam or silicone gel cushions

TECHNICAL INFORMATION

Batteries	1 x standard AA 1.5V (Sordin Power 14500 rechargeable 3.7 V also supported)
Operating time:	Approximately 60 hours (90 hours for rechargeable) depending on use
Level Dependent microphone frequency response	100 Hz – 10 KHz
Operating conditions:	–32°C to +55°C / –25,6°F to +131°F
Max audio signal allowed from the connected radio to not exceed 82 dB(A) through the speakers	239 mVrms
Complies with following environmental directives	RoHS, WEEE
Immersion tested	Yes, the relevant parts of the product meet the requirements of IP67

EU TYPE EXAMINATION CERTIFICATE

Product Assessments: Supreme X2 SFA

The product assessments were based on the following standards:

EN 352-1:2020 hearing protectors - ear-muffs

EN 352-4:2020 hearing protectors - level-dependent ear-muffs

EN 352-6:2020 hearing protectors - ear-muffs with safety related audio input

HEADBAND

ATTENUATION DATA (EN 352)

Memory foam cushions

WEIGHT = 354 g

H	M	L	SNR
34 dB	30 dB	23 dB	32 dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	21.3	20.6	23.8	29.7	35.6	35.9	40.3	39.9
Standard Deviation, s_f (dB)	5.0	3.6	2.5	3.6	3.0	3.1	4.7	3.7
APV ($M_f - s_f$) (dB)	16.3	16.9	21.3	26	32.6	32.7	35.6	36.2

Silicone gel cushions

WEIGHT = 412 g

H	M	L	SNR
32 dB	28 dB	25 dB	31 dB

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	22.5	22.7	24.8	28.5	30.8	33.3	39.0	40.0
Standard Deviation, s_f (dB)	6.1	1.9	2.5	2.9	3.0	3.1	3.9	3.4
APV ($M_f - s_f$) (dB)	16.4	20.7	22.3	25.7	27.7	30.2	35.1	36.6

Criterion Levels

Model	L	M	H
All variants	Not applicable	109.6 dB	>115 dB

Note!

There is no significant difference between the measured criterion level (L) when the level-dependent function is on or off, meaning the requirement for minimum criterion level (L) does not apply.

HEADBAND

ATTENUATION DATA (ANSI S3.19-1974)

Memory foam cushions

CSA CLASS = **AL** WEIGHT = **354 g**

NRR
25 dB

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	20.4	23.7	28.5	34.2	33.4	41.7	39.1	41.5	39.6
Standard deviation dB(A)	3.5	2.2	2.6	3.1	3.3	3.4	4.0	4.0	4.2

Silicone gel cushions

CSA CLASS = **BL** WEIGHT = **412 g**

NRR
25 dB

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation dB(A)	22.3	24.8	27.7	31.1	32.5	41.3	39.4	44.4	41.0
Standard deviation dB(A)	3.3	1.6	2.0	2.7	3.2	4.1	4.1	3.2	3.3

PEAK IMPULSE NOISE REDUCTION (ANSI S12.42-2010)

Memory foam cushions

Impulse peak level (dB)	132	150	168
Impulse peak insertion loss (dB)	27.9	37.2	37.6

Silicone gel cushions

Impulse peak level (dB)	132	150	168
Impulse peak insertion loss (dB)	28.4	36.4	35.5

Caution!

As there can be a large variation in fit and fit ability between users, which may affect noise attenuation, Sordin cannot guarantee that the specified attenuation values will be achieved for all users and in all situations.

AUDIO PROFILES MODE DESCRIPTION

Our hearing is sensitive to different sound levels and frequencies. The SordinHEAR2 audio profiles are pre-set listening modes, which optimize your sound experience by adapting the gain and frequency to typical hunting or shooting situations. You switch easily between profiles and each selection is confirmed by voice feedback.



Hunter

The normal audio profile for general purposes. Gain and frequency are set at normal levels in order to mimic natural ambient sound and to balance situational awareness and comfort.

Shooter

A comfort profile with reduced gain and a narrower frequency spectrum. Perfect at the shooting range when situational awareness and ambient sound are of secondary importance.

Focus

Increased gain and frequency spectrum, allowing you to pick up weak sounds. Or, use Focus together with Sordin earplugs for extra high attenuation while maintaining a degree of ambient sound (Earplug mode).

Ambient off

Ambient sound is deactivated and your X2 uses passive hearing protection only. However, communication is still activated, making Ambient off suitable for e.g. motorized transportation.

ORDERING INFORMATION

Sordin Supreme X2 SFA

Product no	Version	Cup color	Headband	Cushions
301004-10HG	Sordin Supreme X2 SFA Headband	Black	Black leather	GEL
301004-10HP	Sordin Supreme X2 SFA Headband	Black	Black leather	Memory foam
301004-11HG	Sordin Supreme X2 SFA Headband	Black	Black textile	GEL
301004-11HP	Sordin Supreme X2 SFA Headband	Black	Black textile	Memory foam
301006-10HG	Sordin Supreme X2 SFA Headband	Green	Black leather	GEL
301006-10HP	Sordin Supreme X2 SFA Headband	Green	Black leather	Memory foam
301006-11HG	Sordin Supreme X2 SFA Headband	Green	Black textile	GEL
301006-11HP	Sordin Supreme X2 SFA Headband	Green	Black textile	Memory foam

Accessories & spare parts

Product no	Version
60193	Sordin Power 14500 rechargeable Li-ion 3.7 V battery
60194	Sordin Power Battery Charger
60188-S	Sordin Distance ring Spare Part SFA 1 pcs
60211	X2/T2 SFA Hygiene replacement kit Memory foam
60212	X2/T2 SFA Hygiene replacement kit GEL
60200	Headband cover, textile (black)
60204	Suspension kit, X2 Headband for Textile
60205	Suspension kit, X2 Headband Leather

What's In the box?

- 1 x Sordin Supreme X2 SFA
- 1 x AA battery
- 1 x Quick guide
- 1 x Manual