

# Sordin Supreme Pro-X Slim

Electronic hearing protector for hunting and shooting

Foldable headband



## DESCRIPTION

Sordin Supreme Pro-X Slim is an electronic hearing protector designed specifically for hunting and shooting. It comes with an ARC-rail compatible mounting system, which enables an extra wide headband – suitable for larger head shapes. Digital audio technology is used to compress impulse noise to a secure level of 82 dB(A), while harmless surrounding sound is amplified and volume controlled using an external keypad on the right-hand cup.

Sordin Supreme Pro-X Slim is renowned for its extremely robust design and superior audio quality. The ambient sound is reproduced naturally and with high directional sensitivity. These capabilities help hunters not only to safely protect their hearing, but also improve their ability to detect even very faint sounds coming from game animals.

AVAILABLE IN

-  Ember
-  Black
-  Green



## KEY FEATURES

<b>Extra wide headband</b>	The ARC-rail compatible mounting system enables an extra wide headband, suitable for larger head shapes
<b>Cup design</b>	Slim design, suitable for both right- and left-handed shooters
<b>Maximum 82 dB</b>	Loud impulse noise automatically compressed to maximum 82 dB
<b>Audio system</b>	SordinHEAR2 offers excellent sound quality and four audio profiles – Hunting, Shooting, Focus and Comms
<b>Ambient sound</b>	Amplifying harmless ambient sound while protecting against harmful noise
<b>Audio input</b>	3.5-mm AUX input for connection of an external digital device such as a mobile phone or hunting radio
<b>Audio quality</b>	High audio quality, natural ambient sound reproduction
<b>Warranty</b>	5-year warranty (electronics only)
<b>External keypad</b>	Easy-to-use push buttons to operate the electronic functions
<b>Waterproof microphones</b>	The externally mounted microphones are water proof (IP 67 tested)
<b>Auto power off</b>	Automatic switch-off after 4 hours if no button has been pressed, saving battery time
<b>Low battery warning</b>	Low battery warning when approximately 40 hours is left of the battery time
<b>Robust electronics</b>	The electronic circuits are encapsulated in multiple layers of lacquer and polymer for increased robustness

## MATERIALS

<b>Headband</b>	ABS and stainless spring steel
<b>Headband padding</b>	Balck leather
<b>Cups</b>	ABS
<b>Inserts</b>	Polyether foam
<b>Sealing cushion</b>	PVC foam TPU (Thermoplastic Polyurethane) foil covered, HTPB (Hydroxyl Terminated Polybutadiene) filling

## TECHNICAL INFORMATION

<b>Batteries</b>	2 x 1.5 V AAA/LR03, estimated operating time is around 400 hours
<b>Level Dependent microphone frequency response</b>	100 Hz – 10 KHz
<b>Loudspeakers / loudspeaker response</b>	2 x 32 Ohm / 20 Hz – 20 KHz
<b>Operating conditions:</b>	-20°C to +50°C
<b>Max audio signal allowed from the connected radio to not exceed 82 dB(A) through the speakers</b>	225 mVrms
<b>Weight (excluding batteries)</b>	332 gram
<b>Complies with following environmental directives</b>	RoHS, WEEE

# EN APPROVAL

## Tests and certificates

Tested and certified to EN 352-1:2002, EN 352-4:2001 and EN 352-6:2002.  
 EMC tested to EN 55032, EN 55024 and EN 61000.  
 Certificates: CE 708669 (slim headband version)  
 Notified Body: BSI Netherlands (NB 2797)



## ATTENUATION DATA

### Foam sealing rings

H	M	L	SNR	NRR
26 dB	24 dB	18 dB	26 dB	n/a

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation, $M_f$ (dB)	15.1	17.4	25.8	28.5	27.2	39.4	37.6
Standard Deviation, $s_f$ (dB)	3.4	1.7	2.6	3.0	4.0	2.7	3.0
APV ( $M_f - s_f$ ) (dB)	11.7	15.7	23.2	25.5	23.2	36.7	34.9

### Criterion Levels (dB)

Model	H	M	L
Headband version	113	104	91

### Earmuff Sizes

Model	Approved sizes
Headband version	S, M, L

## AUDIO PROFILES MODE DESCRIPTION

The Sordin excellent sound system – SordinHEAR2, is integrated in the latest Supreme models Pro-X and Pro-X LED (2023 editions). At its heart – four new audio profiles that further enhance your sound experience.



### Hunting

Hunting is the main audio profile for general purposes. The sound image is optimized for a normal hunting day, balancing clear ambient sound such as speech with comfortable low-noise audio.

### Shooting

Shooting is a comfort profile with lower gain and a narrower audible frequency spectrum. Perfect when normal situational awareness is sufficient, e.g. in shooting training at the range.

### Focus

Focus is your full-alert profile. It features high amplification and a wider frequency spectrum for highest situational awareness. Use this audio profile e.g. in the hunting tower to sharpen your senses before your shot.

### Comms

In Comms, ambient sound is deactivated and your hearing protector uses passive protection only. However, the 3.5-mm AUX input is active allowing for clear communication even in noisy environments.

## ORDERING INFORMATION

### Sordin Supreme Pro-X slim headband

Product no	Version	Cup color	Headband	Ring
74302-X/L-S	Sordin Supreme Pro-X slim green	Green	Black leather	Foam
74302-X/L-02-S	Sordin Supreme Pro-X slim black	Black	Black leather	Foam
74302-X/L-14-S	Sordin Supreme Pro-X slim ember	Ember	Black leather	Foam

### Accessories

Product no	Version
60089-S	Sordin Supreme Hygien Kit PVC (foam) – 1 pair of gel rings, 1 pair of inserts
60092-S	Sordin Supreme Hygien Kit GEL – 1 pair of gel rings, 1 pair of inserts
60160	Sordin Helmet Adapter Kit for ARC Rail – 1 pair