

## Sordin Supreme Pro-X

Electronic hearing protector for hunting and shooting

Foldable headband



### DESCRIPTION

Sordin Supreme Pro-X is an electronic hearing protector designed specifically for hunting and shooting. It uses digital audio technology 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 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
-  Camo  
*(headband cover only)*



## KEY FEATURES

|                               |   |
|-------------------------------|---|
| <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> | Leather or textile  |
| <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) (Gel rings are available as accessories) |

## 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> | 399 mVrms  |
| <b>Weight (excluding batteries)</b>  | 330 gram   |
| <b>Complies with following environmental directives</b>  | RoHS, WEEE   |

# EN APPROVAL

## Tests and certificates

Tested to EN 352-1:2002, EN 352-4:2001 and EN 352-6:2002.  
EMC tested to EN 55032, EN 55024 and EN 61000.  
Certification CE747888



## ATTENUATION DATA

### Foam sealing rings

|       |       |       |       |       |
|-------|-------|-------|-------|-------|
| H     | M     | L     | SNR   | NRR   |
| 31 dB | 23 dB | 15 dB | 25 dB | 19 dB |

| Frequency (Hz)                 | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|--------------------------------|------|------|------|------|------|------|------|
| Mean attenuation, $M_f$ (dB)   | 13.5 | 13.0 | 25.7 | 32.0 | 28.2 | 44.8 | 45.2 |
| Standard Deviation, $s_f$ (dB) | 3.2  | 1.2  | 1.7  | 1.0  | 1.2  | 1.6  | 1.5  |
| APV ( $M_f - s_f$ ) (dB)       | 10.3 | 11.8 | 24.0 | 31.0 | 27.0 | 43.2 | 43.7 |

### Gel sealing rings (accessorie)

|       |       |       |       |       |
|-------|-------|-------|-------|-------|
| H     | M     | L     | SNR   | NRR   |
| 28 dB | 21 dB | 16 dB | 25 dB | 19 dB |

| Frequency (Hz)                 | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|--------------------------------|------|------|------|------|------|------|------|
| Mean attenuation, $M_f$ (dB)   | 13.5 | 15.5 | 23.7 | 24.1 | 30.4 | 36.6 | 38.6 |
| Standard Deviation, $s_f$ (dB) | 3.2  | 1.9  | 3.9  | 2.7  | 3.2  | 4.4  | 4.2  |
| APV ( $M_f - s_f$ ) (dB)       | 10.3 | 13.6 | 19.8 | 21.4 | 27.2 | 32.2 | 34.4 |

### 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 headband

| Product no     | Version                         | Cup color | Headband      | Ring |
|----------------|---------------------------------|-----------|---------------|------|
| 75302-X/L-14-S | Sordin Supreme Pro-X ember      | Ember     | Black leather | Foam |
| 75302-X/L-02-S | Sordin Supreme Pro-X black      | Black     | Black leather | Foam |
| 75302-X-02-S   | Sordin Supreme Pro-X black      | Black     | Black textile | Foam |
| 75302-X/L-S    | Sordin Supreme Pro-X green      | Green     | Black leather | Foam |
| 75302-X-S      | Sordin Supreme Pro-X green/camo | Green     | Camo textile  | 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        |