

Sordin Supreme™ T2

Tactical hearing protection perfected



SORDIN

EMBRACE NOISE

TACTICAL HEARING PROTECTION PERFECTED

Evolution completed

For more than 25 years, Sordin Supreme has been a benchmark in tactical hearing protection, favored by tactical professionals worldwide for its extreme capabilities and robustness. Now we are writing the next chapter with the new Sordin Supreme T2™.

Sordin Supreme T2 is more than an evolutionary step in the history of Sordin Supreme. It is a giant leap in the advancement of this already legendary MIL-classified headset brand. A new and innovative way of integrating tactical hearing protection and team communications.

With T2, we created a completely new product with an ambition no smaller than perfection. Every component, material and software code line have been improved, promising to deliver even better on traditional Sordin values such as problem-free operation and long lifetime.

The new modular design platform, SordinFLEX™, which T2 is based on, enables us to combine components into even more models – while offering users a possibility to modify their headset themselves depending on the tactical situation or individual needs.

It all adds up to a product unlike any other today. We can't imagine a more technically elaborate, yet robust and durable, tactical hearing protector than Sordin Supreme T2. Not today, nor in many years to come. It's simply hearing protection perfected. Evolution completed.



Sordin Supreme T2 comes in four main variants: headband version (top), neckband version, helmet-mounted version with ARC Rails, and helmet-mounted version with Rear ARC Rails. All reconfigurable and available with different cup colors and other optional features.



Sordin Supreme | **T2**
Tactical hearing protection perfected



LAW ENFORCEMENT
MILITARY
SPECIAL FORCES



Design freedom

Your headset is a vital part of your tactical field equipment. It must provide completely reliable communications, be adaptable to different tactical situations, and ensure safe hearing protection. It must also fit seamlessly with other equipment such as a night-vision device.

Our response to the challenge is spelled SordinFLEX, a modular design platform which enables a new level of versatility in tactical hearing protection. Thanks to this platform, we were able to develop many more variants of Sordin Supreme T2 than available with most other models or brands, including our own existing Sordin Supreme MIL series.

SordinFLEX extends modularity to individual adaptation, allowing users to modify their headsets themselves. Each T2 headset can be reconfigured to match different tactical situations, using robust accessories and simple user procedures. No tools are needed, which enables operators to reconfigure their headsets themselves in the field.

For example, a headband version can be easily turned into a neckband or helmet model, using only a few additional accessories, thanks to an ingenious flexible cup mounting solution based on ARC Rails or Rear ARC Rails. In fact, for every adaptable T2 feature, there is a corresponding accessory available – maximizing the design freedom of Sordin Supreme T2.



T2 Headband

Rugged design with optional fixed leather or detachable textile cover. It is easy to detach the headband assembly from the cups for replacement or for reconfiguration to neckband version. Foldable headset for compact storage.

T2 Neckband

The robust neckband and head strap designs ensure a tight yet comfortable fit over the head. Complete neckband and ARC Rail assemblies are available as accessories, which also allows you to reconfigure the headset to headband version.

T2 ARC Rails

For use with a tactical helmet, the ARC Rail mounting system makes it easy to adjust the cup position for a perfect fit. Use the open position for cooling in hot environments. Ops-Core and Team Wendy compatible. ARC Rails are available as accessories.

T2 Rear ARC Rails

For use with a tactical helmet, the Rear ARC Rail mounting system makes it easy to adjust the cup position for a perfect fit. Use the open position for cooling in hot environments. Ops-Core and Team Wendy compatible. Rear ARC Rails are available as accessories.

T2 Fixed Com CC

Noise-cancelling boom microphone for Sordin Supreme T2 CC models. Resistant to moist or particle infusion. Fixed heavy-duty boom mic, factory mounted left or right. Connection to PTT via an integrated download (CC, "connection by cable").

T2 Flex Com CC

Noise-cancelling communication kit for Sordin Supreme T2 models. Resistant to moist or particle infusion. Detachable boom mic with an integrated AUX connector and flexible mounting (left or right), available as accessory. Connection to PTT via an integrated download (CC, "connection by cable").

T2 Sealing Rings

All Sordin Supreme T2 models come as standard with sealing rings made of memory foam for effective and comfortable noise attenuation. Replacement memory foam or silicone gel sealing rings are available as accessories (hygiene kits).

Sharpening your senses

Hearing is one of your most important senses in any tactical situation. Your ability to pick up and act on sounds around you is crucial to your performance and survivability in the field.

The SordinHEAR2™ audio system delivers advanced ambient sound support. High-sensitivity ambient sound microphones pick up and reproduce vital sounds around you, while protecting you against harmful impulse noise from firearms, explosions, etc.

It is important to be able to instantly assess the direction to a sound source. T2's ambient sound has excellent directional sensitivity. It accurately registers the extremely short time difference when a sound wave reaches one ear just before the other – and reproduces this into a clear sense of direction in your headset.

Ambient sound may be a life saver in a critical situation. Your headset must be guaranteed to deliver high-quality audio, which requires state-of-the-art ambient microphones, amplifier and loudspeakers inside the cups.

Audio quality is truly put to the test when you turn up the ambient sound volume. This helps to detect even extremely weak sounds, such as a rustling in the grass or a twig breaking at a distance. T2's excellent audio quality gives you a competitive edge, sharpening your senses in the field.

Sordin audio profiles

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 tactical situations. You switch easily between audio profiles and each selection is confirmed by voice feedback.



Tactical

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



Comfort

A profile with a reduced gain and reduced frequency spectrum. Ideal in noisy environments when communication is prioritized over ambient sound.



Dual

This 2-in-1 profile has a high gain and a wide frequency band for high situational awareness in quiet environments. Alternatively, use it when combining your T2 with earplugs to hear some ambient sound even in high-noise environments.



Ambient off

In this mode, ambient sound is deactivated, and your headset uses passive hearing protection only. Suitable when maximum focus on team communications is required in high-noise environments.

RADIO COMMUNICATIONS

Always on full team alert

Clear and uninterrupted voice communications are absolutely essential in tactical operations. This makes your headset a key component in your standard field-mission equipment.

Your headset must deliver reliable voice communications, even when subjected to the harshest conditions. It must be robust enough to withstand physical impact, cold or heat, water or moisture, sand intrusion, radio frequency interference – even continue to provide secure communications in case of headset battery loss.

We thought of every link in the communication chain when designing Sordin Supreme T2. The rugged cups, boom microphones, electronics, connectors, even the software code, all combine to guarantee fail-safe communications with a consistently high audio quality.

Complement your Sordin Supreme T2 with a PTT to integrate your headset with a tactical radio system. Most popular radio systems are supported for seamless integration of your headset, PTT and radio system into a complete communications solution.

Our range of PTTs include single or dual channel variants, with both splashproof or fully waterproof designs. All featuring the excellent quality and simple, robust design that tactical operators around the world have learned to associate with a genuine Sordin product.



Two radios – Sordin PTT Dual

Sordin PTT Dual connects up to two radios to your headset. Depending on connector type, you can choose to have both radio channels in both cups or split the signals to each cup for simplified communication.



One radio – Sordin PTT Single

A rugged single-com PTT device for use with one com radio or mobile device. The large, easily accessible PTT button makes communication easy. Comes as a complete assembly with headset connector, download and radio interface.



One radio – Sordin Nexus PTT

A single-com PTT system with a compact and rugged housing. It has a splashproof black body with a robust click switch and a clip for attachment to clothing. Complete with headset connector, download and radio interface.



One radio or mobile device – AUX

Sordin Supreme T2 comes with a 3.5-mm AUX input for connection of an external com radio/mobile device.

For information about supported PTTs and radio systems for each Sordin Supreme T2 model, visit sordin.com or contact Sordin.

A SELECTION OF

Features perfected



MIL grading

Sordin Supreme T2 has undergone testing in accordance with the applicable parts of MIL-STD-810 and MIL-STD-461.

Water resistance

The battery compartment, ambient microphones and electronics are immersion tested to 2 meters depth. Tightly sealed, the battery compartment is also protected against sand or other particle intrusion.

Impact resistance

The headset must be capable of withstanding direct physical impact. The cups are made of durable ABS polymer, balancing hardness with ductility to avoid brittleness in cold weather.

Failsafe electronics

The electronics are designed to withstand shocks and vibrations. Moisture resistance for the circuit boards is ensured using several layers of protective coating.

Failsafe speakers

The loudspeakers located inside each cup continue to work even if your headset's battery is discharged, ensuring uninterrupted communication at all times.

Robust software

Our software is secured against bugs or corrupt code. We write all code ourselves to maintain control of every line of code, thus ensuring the quality of our software.

RFI protection

Built-in radio frequency interference (RFI) protection, shielding of sensitive electronics ensures interference-free communications in accordance with MIL-EMC461 standard.

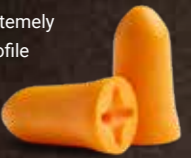
SNR 29dB

High attenuation

Sordin Supreme T2 effectively attenuates steady-state noise as well as impulse noise from firearms. The headband and neckband versions have an SNR value of 29 and electronically compress noise above 82 dB.

Earplug mode

In extreme noise, combine your headset with Sordin InEar earplugs to achieve an extremely high attenuation level. Select audio profile Dual to continue hearing some ambient sound, even when using earplugs.



Single-battery solution

The headset is powered by one standard AA (1.5 V) or one Sordin Power 14500 rechargeable (3.7 V) battery (one standard AA battery included).

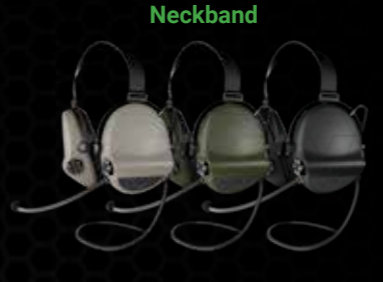
T2 Configurations



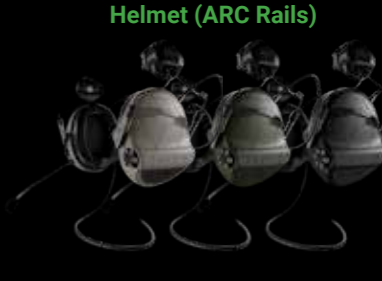
Sordin Supreme T2



Sordin Supreme T2 CC



Sordin Supreme T2 CC Right



Accessories

A selection of SordinFLEX components. For a complete range of accessories and spare parts, see page 14.



MATERIALS

Cups and foam rubber inserts	ABS and PU foam
Suspension	Stainless steel and plastic
Suspension padding	Leather or colored textile
Sealing rings	ABS, PVC foil, memory foam or silicone gel sealing rings

TECHNICAL INFORMATION

Battery	One standard AA 1.5V (Sordin Power 14500 rechargeable 3.7 V 14500 also supported)
Operating conditions	−32°C to +55°C / −25.6°F to +131°F
Weight (including battery): Headband/Neckband/ARC Rail/R-ARC Rail models	308/280/310/342 grams (with memory foam sealing rings)
Immersion tested	2 meters

ATTENUATION DATA

⚠ WARNING! The SNR values below are the headset’s ideal protective value, measured with the device powered off. However, the actual protection may differ due to individual variation and cannot be guaranteed for every user. The noise attenuation of the product will be severely impaired if you do not follow the instructions in the operator’s manual and may result in hearing loss or injury.

Sordin Supreme T2 Headband, memory foam sealing rings			SNR = 29 dB NRR = 23 dB H = 32 dB M = 27 dB L = 20 dB				
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation, M _i (dB)	17.5	19.8	26.2	33.1	31.5	41.3	41.4
Standard deviation, s _i (dB)	2.6	2.4	2.2	2.0	2.6	2.5	3.4
APV (M _i -s _i) (dB)	14.9	17.5	24.0	31.1	28.9	38.8	38.1




Sordin Supreme T2 Neckband, memory foam sealing rings			SNR = 29 dB NRR = 23 dB H = 29 dB M = 26 dB L = 21 dB				
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean attenuation, M _i (dB)	16.9	20.6	26.9	31.9	29.2	38.5	39.6
Standard deviation, s _i (dB)	2.0	2.6	3.0	2.8	3.6	3.5	3.9
APV (M _i -s _i) (dB)	14.9	17.9	23.9	29.0	25.6	35.0	35.7

For more attenuation data, please visit www.sordin.com

APPROVED HELMET COMBINATIONS

Helmet model
For supported helmet combinations, visit www.sordin.com

ORDERING INFORMATION

			Version	Sealing rings
Tan cups	Green cups	Black cups		
303005-10P	303006-10P	303004-10P	Sordin Supreme T2 Headband	Memory foam
304005-10P	304006-10P	304004-10P	Sordin Supreme T2 CC Headband	Memory foam
305005-10P	305006-10P	305004-10P	Sordin Supreme T2 CC Right Headband	Memory foam
303005-20P	303006-20P	303004-20P	Sordin Supreme T2 Neckband	Memory foam
304005-20P	304006-20P	304004-20P	Sordin Supreme T2 CC Neckband	Memory foam
303005-30P	303006-30P	303004-30P	Sordin Supreme T2 Helmet ARC Rails	Memory foam
304005-30P	304006-30P	304004-30P	Sordin Supreme T2 CC Helmet ARC Rails	Memory foam
303005-31P	303006-31P	303004-31P	Sordin Supreme T2 Helmet Rear ARC Rails	Memory foam
304005-31P	304006-31P	304004-31P	Sordin Supreme T2 CC Helmet Rear ARC Rails	Memory foam

ACCESSORIES & SPARE PARTS

60195	T2 Flex Com CC communication kit
60197-S	Hygiene kit, memory foam sealing rings – 1 pair of sealing rings, 1 pair of inserts
60198-S	Hygiene kit, silicone gel sealing rings – 1 pair of sealing rings, 1 pair of inserts
60200	Headband cover, textile black
60201	Suspension kit, Neckband
60204	Suspension kit, Headband
60203	Suspension kit, ARC Rails
60202	Suspension kit, Rear ARC Rails
60194	Sordin Power battery charger
60193	Sordin Power battery 3.7 V 14500 rechargeable Li-ion 3,000 mAh
see www.sordin.com	Push-to-talk devices (PTT)



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