



KLARHEIT

Advanced Electronic Hearing Protection
Dynamic listening & suppression.

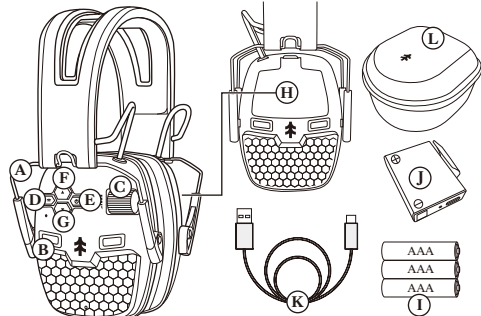
KLARHEIT

Advanced Electronic Hearing Protection

Adaptive hearing for any scenario.

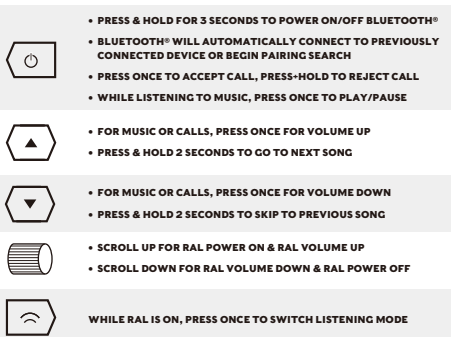
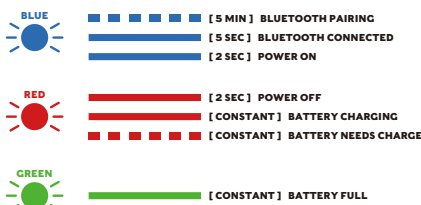
Vendor Stock Number: 6486

Questions, problems, or missing parts?
Before returning to the store, contact
GreatStar Customer Service
9AM-4PM CST, M-F
Call: 479-802-3580 or Email: help@swisstechoutdoors.com



CONTENTS		
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F	Media volume up / next song	1
G	Media volume down / previous song	1
H	Dual power battery-ion	1
I	AAA battery	3
J	Rechargeable lithium-ion battery	1
K	USB-C charging cable	1
L	Hard case	1

BUTTON CONTROLS / STATUS LIGHTS



FITTING INSTRUCTIONS

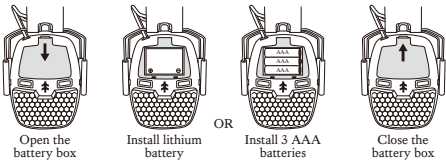
- Place the ear cups over each ear.
- Adjust the headband by sliding the headband up down.
- Multiple-Position earmuffs can be worn either over-the-head, behind-the-head or under-the-chin.



ELECTRONICS FUNCTIONS

The earmuff can be powered by

lithium battery or 3 of AAA batteries (both batteries included). Please install either of them into the battery box with positive and negative terminals aligned correctly.



WARNING:
Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (Ni-Cad or Ni-MH) batteries. Do not dispose of batteries in fire, batteries may explode or leak.

TECHNICAL DATA

Operating voltage: 5 V direct voltage via USB
Battery: 3.7 V lithium-polymer battery, 800 mAh
Charging time: 3 hours
Operating time:

	AAA battery	Lithium battery
Operating status		
RAL hours (max)	87 HR	63 HR
Phone hours (max)	60 HR	43 HR
Music hours (max)	112 HR	57 HR

NOTE: Run time is shorter if 2 or more functions are used together.
Bluetooth® 5.4
Support profiles: HFP 1.8, SPP 1.2, A2DP 1.3, AVRCP 1.5
Transmission distance: ≥ 10m
Pair name: SWISSTECH KLARHEIT
Storage temperature: 14-131°F
Storage humidity: <30%
Operating temperature: 32-104°F
Working humidity: <85%
This product complies with ANSI S3.19-1974

Read this instruction thoroughly before using the product.
The headband of this earmuff is made of TPE and Steel.
Cushion: TPU with gel inside.

This earmuff was tested according to American Standard ANSI S3.19-1974
SWISSTECH KLARHEIT
NRR: 23dB CSA Class B Weight: 350g

Frequency(Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean attenuation(dB)	19.9	21.5	26.9	28.9	33.3	38.9	40.8	41.5	38.6
Standard deviation(dB)	3.9	2.7	2.7	2.4	2.9	2.5	3.1	3.6	3.0

Information required by E.P.A. (US) The level of noise entering a person's ear, when hearing protectors are worn as directed, is closely approximated by the difference between the A-weighted environmental noise level and the NRR.

For example:

- The environmental noise level as measured at the ear is 92 dBA.
- The NRR is 23 decibels (dB).
- The level of noise entering the ear is approximately equal to 69 dBA.

Caution: For noise environments dominated by frequencies below 500 Hz, the C-weighted environmental noise level should be used. Improper fit of this device will reduce its effectiveness in attenuating noise. Consult the enclosed instructions for proper fit. Although hearing protectors can be recommended for protection against the harmful effects of impulsive noise, the Noise Reduction Rating (NRR) is based on the attenuation of continuous noise and may not be an accurate indicator of the protection attainable against impulsive noise. Constant or repetitive exposure to impulsive noise may lead to serious injury, including temporary or permanent deafness. The Noise Reduction Rating (NRR) calculated from the attenuation data is 23 dB. Earmuffs must be fitted to attenuate noise effectively. Please refer to manufacturer's instruction.

This earmuff with level-dependent function can suppress harmful gunshot noise while amplifying low level sounds.

LISTENING MODE SWITCH

While the RAL is on, press the "Mode" button to switch listening mode in below 4 options.
UNIVERSAL - Balanced sound enhancement for all-around awareness and protection.
HIGH FREQUENCY - Enhanced detection of high-pitched sounds for increased awareness.
CLEAR VOICE - Optimized speech clarity for better communication in noisy environments.
POWER BOOST - Amplified sound for maximum awareness in quiet environments.

CAUTION:

If the RAL volume is high and the microphones are covered, there might be high pitch of whistle. Please turn the volume down or remove anything covering the microphones to stop the whistle.

BLUETOOTH® FUNCTIONS

Bluetooth® media functions are controlled independently of the RAL function. Press the Bluetooth® "Power" button for 3 seconds until the LED status light flashes blue—you will hear the "Power On" voice alert. Automatic pairing mode is enabled and you will hear a "Bluetooth Pairing" voice alert. The pairing name "SWISSTECH KLARHEIT" appears in the Bluetooth® menu on the external device. Once the device is selected and enabled, the LED status light will flash blue for 5 seconds and you will hear a "Bluetooth Connected" voice alert. The earmuff is now connected to the Bluetooth® device. Press the "Power" button for 3 seconds to switch off Bluetooth®—you will hear a "Power off" voice alert.

FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:
This device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation. FCC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.
Great Star Industrial USA, LLC
2401 SE C Street, Bentonville, AR 72712, USA
479-802-3580
help@swisstechoutdoors.com

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
--Reorient or relocate the receiving antenna.
--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
--Consult the dealer or an experienced radio/TV technician for help.



HEADBAND FOAM PAD CLEANING

- Wipe gently with a damp cloth, or hand wash in cold water.
- Use a neutral detergent if needed.
- Do not machine wash, spin dry, rub, or scrub vigorously.



SWISS
TECH

PLAYING MUSIC & CONTROLS

When the earmuff is connected and music is playing, press the "Power" button to pause/play music. While music is playing press the "Volume +/-" button to increase or decrease the volume. You will hear a double beep when volume reaches minimum or maximum. Press and hold the "Volume +/-" button to play the next / previous song. While Bluetooth® is connected and audio is streaming, the LED status light will flash blue for 1 second every 2 hours.

PHONE CALLS & CONTROLS

If you receive a phone call while connected to Bluetooth® via phone, an "Incoming Call" voice alert will be heard. Press the Bluetooth® "Power" button to answer the call, or press and hold the "Power" button to reject the call. If you answer the call on the phone, please select SWISSTECH KLARHEIT as the listening device. When on a call, press the "Volume +/-" button to increase / decrease the call volume. You will hear a double beep when volume reaches minimum or maximum. Press "Power" button to end the call—a "Call Ended" voice alert will be heard. While on a Bluetooth® connected phone call, the LED status light will flash blue for 1 second every 2 hours.