
USER GUIDE



SAFARILAND[®]

Liberator[®] IV & V

REDLINETM
S E R I E S

IMPORTANT

READ BEFORE USE

**FOLLOW INSTRUCTIONS CAREFULLY.
RETAIN FOR FUTURE REFERENCE.**

Liberator® IV & V REDLINE™

4-Step Quick Start

1. ATTACH YOUR SELECTED HEADSET CONFIGURATION



BEHIND-THE-HEAD



OVER-THE-HEAD

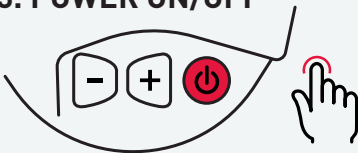


HELMET MOUNT

2. INSTALL BATTERIES

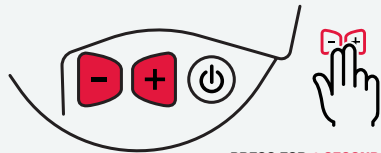


3. POWER ON/OFF



POWER ON 1 SECOND
POWER OFF 2 SECONDS

4. SELECT MODE



PRESS FOR 1 SECOND

MODE	VOICE PROMPT	WHEN TO USE	WHAT IT DOES
ENHANCED MODE (DEFAULT) ANR	🔊 MODE 1	Used for tactical operations in high-noise environments which require the ability to talk face-to-face, hear traffic and maintain situational awareness.	Blocks loud noise. Allows speech and radio traffic.
MOVE MODE ANC	🔊 MODE 2	While operating or traveling in a helicopter, aircraft, boat, or ground vehicle which produces high-level steady-state noise.	Blocks ALL noise. Allows all radio traffic.
CLARITY MODE ANR/ANC	🔊 MODE 3	While operating in high-level, steady-state noise environments AND face-to-face communication is desired.	Blocks ALL noise. Allows speech AND radio traffic.

4. READY TO WEAR!

[see Quick Reference Guide for additional guidance]

Liberator®



REDLINE™

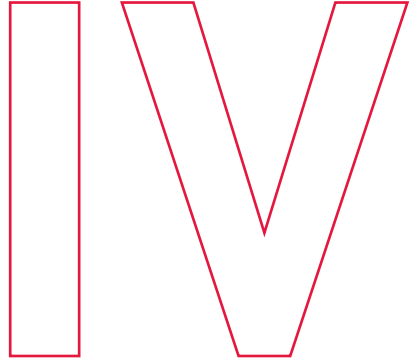
S E R I E S

User Guide

- 1. LIBERATOR **IV** REDLINE OVERVIEW & FEATURES**
- 2. LIBERATOR **V** REDLINE OVERVIEW & FEATURES**
- 3. GETTING STARTED**
- 4. OPERATING MODE DETAIL**
- 5. WEARABLE CONFIGURATIONS**
- 6. SUSPENSION SYSTEM FIT ADJUSTMENT**
- 7. PTT POSITIONING & CONNECTIONS**
- 8. USER CARE & CLEANING**
- 9. WARRANTY**
- 10. PART #'S FOR ORDERING HEADBANDS & MOUNTS**

1. LIBERATOR IV REDLINE OVERVIEW & FEATURES

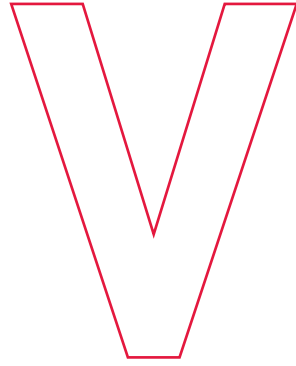
The **Liberator® IV REDLINE** headset was engineered to meet the demands of today's fire service, whether structural, wildland, or industrial. The Liberator IV REDLINE headset features a cross-pollination of the industry-leading technology and functionality we provide to U.S. special operations forces, with the protection of high temperature construction materials for sustained operation in the harsh environment.



- First of its kind multi-mode headset with Electronic Noise Compression and Active Noise Cancellation technology that protects hearing, while allowing clear communication in the noisiest environments
- Ambient sound amplification for 360 degree situational awareness / face- to-face communication
- Dual-Fuel power option; 2-AAA's or 1-CR123, each offering 250 hours of operation
- Noise canceling boom microphone for clear voice transmission, even when worn with SCBA
- Low profile behind-the-head suspension, designed to fit under fire and rescue helmets, without interfering with the helmet ratchet adjustment
- Does not interfere with SCBA face mask seal
- High temperature durability (500°F for 5 minutes)
- Connectivity for most common public safety portable radios via Safariland® Fire Speaker Microphone (FSM)
- Particulate dust and water spray resistant, submersible up to three (3) feet
- Third party tested - explosive atmosphere certified, MILSTD certified and certified at 26 dB NRR
- Easily cleaned / decontaminated

2. LIBERATOR V REDLINE OVERVIEW & FEATURES

The **Liberator® V REDLINE** headset was engineered to meet the demands of today's fire service incident commanders, where operating two radios, or one radio and one wireless device, is necessary. The Liberator V REDLINE headset features the same industry-leading technology and functionality we provide to U.S. special operations forces. The Liberator V REDLINE headset features:



- First of its kind multi-mode headset with Electronic Noise Compression and Active Noise Cancellation technology that protects hearing, while allowing clear communication in the noisiest environments
- Ambient sound amplification for 360 degree situational awareness / face- to-face communication
- Dual-Fuel power option; 2-AAA's or 1-CR123, each offering 250 hours of operation
- Noise canceling boom microphone for clear voice transmission, even when worn with SCBA
- Low profile behind-the-head suspension, designed to fit under fire and rescue helmets, without interfering with the helmet ratchet adjustment
- Does not interfere with SCBA face mask seal
- Bifurcated audio allows simultaneous radio message reception in the corresponding ear cup; right radio in right ear, left radio in left ear
- Multi-functional dual PTT allows for message transmission to one or both radios at the same time
- Includes R.4 U-PTT assembly, available for all common public safety portable radios.
- Particulate dust and water spray resistant, submersible up to three (3) feet
- Third party tested - explosive atmosphere certified, MILSTD certified and certified at 26 dB NRR
- Easily cleaned / decontaminated

3. GETTING STARTED

I. INSTALLING BATTERIES

This headset requires **2 AAA** batteries (included) or **1 CR123**.

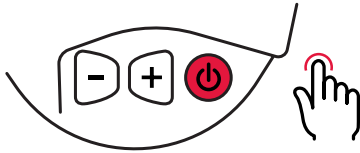
IMPORTANT: Remove batteries prior to long-term storage

1. Open the battery compartment door using the throw lever. It will open to the outside of the earcup. *Care should be taken to prevent hooking or snagging with the battery compartment door open.*
2. Place batteries in the battery compartment, noting the polarity indicators (+/-), and close the door.
3. To remove the batteries, tilt the earcup down so the batteries can slide out.



II. POWERING ON

- Power **ON** by pressing the round **POWER** button for **1 second**. A voice prompt will be heard - "POWER ON, MODE 1".
- Power **OFF** by pressing the **POWER** button for **2 seconds**. A voice prompt will be heard - "POWER OFF".



IMPORTANT: Regardless of last mode used before POWER OFF, **the unit defaults to MODE 1 upon every POWER ON.**

Note: Feedback can occur if the headset is powered on while not being worn.

BATTERY SAVER MODE

If no movement is detected after 5 minutes, a series of 5 warning tones and a "POWER OFF" voice prompt will be heard prior to shutting down. Any movement will keep the unit from shutting down. To power the unit back on, press the POWER button for 1 second.

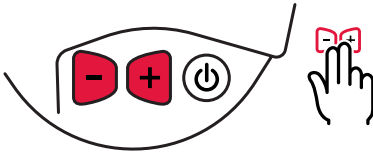
LOW BATTERY WARNING

If less than 20 hours of battery life remain, a "LOW POWER" voice prompt will be heard, thereafter, a "CHANGE BATTERY" warning will repeat every 15 minutes until the batteries are replaced. Change batteries at the earliest convenience.

III. CHANGING HEADSET MODES

PRESS the – and + buttons simultaneously for **1 second** to change modes. A voice prompt will be heard to indicate each mode.

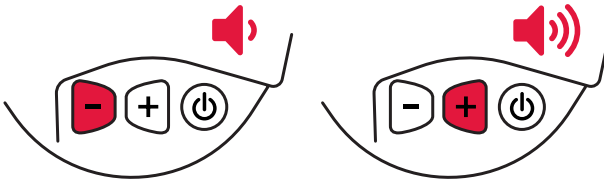
IMPORTANT: Regardless of the last mode used before POWER OFF, the unit defaults to MODE 1 upon every POWER ON.



MODE	VOICE PROMPT	WHEN TO USE	WHAT IT DOES
ENHANCED MODE (DEFAULT) ANR	🔊 MODE 1	Used for tactical operations in high-noise environments which require the ability to talk face-to-face, hear traffic and maintain situational awareness.	Blocks loud noise. Allows speech and radio traffic.
MOVE MODE ANC	🔊 MODE 2	While operating or traveling in a helicopter, aircraft, boat, or ground vehicle which produces high-level steady-state noise.	Blocks ALL noise. Allows all radio traffic.
CLARITY MODE ANR/ANC	🔊 MODE 3	While operating in high-level, steady-state noise environments AND face-to-face communication is desired.	Blocks ALL noise. Allows speech AND radio traffic.

IV. ADJUSTING HEADSET VOLUME (MODE 1 AND 3 ONLY)

Press the – button to decrease the volume, or + button to increase.



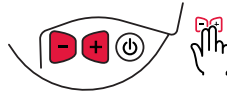
Note: An escalating or de-escalating tone will be heard for each adjustment. The tones will stop once the maximum or minimum volume is reached.

V. ADJUSTING COMMUNICATIONS SOURCE VOLUME (ALL 3 MODES)

Utilize the volume control on the connected communications source or integrated remote.

Note: The headset is equipped with two independent speakers in each earcup. Communications source audio is assigned to one speaker in each earcup, while ambient audio and active noise cancelation are assigned to the other.

4. OPERATING MODE DETAIL



CHANGING HEADSET MODES

PRESS the – and + buttons simultaneously for **1 second** to change modes. *A voice prompt will be heard to indicate each mode.*

IMPORTANT: Regardless of last mode used before POWER OFF, **the unit defaults to MODE 1 upon every POWER ON.**

CAUTION: It is important to use the appropriate headset mode based on the current sound environment.

1

ENHANCED MODE (**MODE 1)** (Active Noise Reduction)

Blocks impulse noise, allows speech and audio to be heard. Allows radio communications.

When to use: Used for most tactical operations requiring the ability to hear the environment, recognize threats, and maintain situational awareness while gunfire or explosions may occur without warning. Allows all radio communications. **NOTE:** For steady-state noise environments, like vehicular transport, switch to Mode 2 or 3.

What it does: Utilizes external microphones to automatically replicate speech and audio from the environment inside the headset's speakers so the wearer is constantly aware of their surroundings while being continuously protected from dangerous impulse sound levels.

2

MOVE MODE (**MODE 2)** (Active Noise Cancellation)

Blocks external noise. Allows radio communications.

When to use: When high-level steady-state noise is occurring such as operating in a helicopter, aircraft, boat, or ground vehicle for extended periods. Allows all radio communications. **NOTE:** If you require the ability to hear speech, switch to Mode 1 or 3.

What it does: Provides active noise cancellation for high-level, steady-state noise by generating a counter tone to neutralize within the earcup. **NOTE:** This mode of operation will also provide additional sound protection of 4-9 dB, a reduction beyond what the earcup can achieve on its own.

3

CLARITY MODE (**MODE 3)**

Blocks external noise, except speech. Allows radio communications.

What it does: When operating in high-level, steady-state noise environments and face-to-face communication is desired. Allows all radio communications.

How it works: Blocks external sound, except speech, which is isolated by external microphones and replicated inside the headset allowing face-to-face communication in high-noise environments.

5. WEARABLE CONFIGURATIONS

This headset allows you to easily change between 3 different wearable configurations that were selected with your original purchase or that can be purchased separately. (See back page for ordering part #'s)



BEHIND-THE-HEAD



OVER-THE-HEAD



HELMET MOUNT

I. BEHIND-THE-HEAD ASSEMBLY

REQUIRES:

Behind-the-Head band



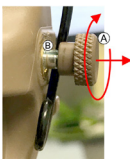
ATTACH BEHIND-THE-HEAD BAND TO EARCUPS

1. Locate the behind the headband.
2. PULL & TURN the textured post (A) on either side of the earcups to extend.
3. Insert the looped ends of the bent wireframe over the interior stainless-steel post (B).
4. TURN POST (A) to retract and close.
5. Feed loose wires along rigid back band and wrap with Velcro headband cover (C).

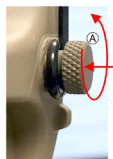


ADJUST FIT FOR COMFORT

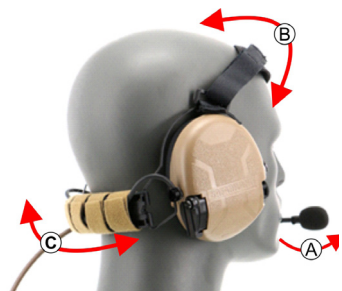
1. Collapse the headband to its minimum adjustment.
2. Place the headset on the end user's head and position the microphone (A) as close to the mouth as possible.
3. Adjust the Velcro tabs (B) to adjust position of headset on end user's head so earcups are fully covering the ear.
4. Adjust rigid suspension band (C) at the rear of head to deconflict with helmet suspension at nape of neck.



OPEN



CLOSE



WEARING WITH PPE

1. The headset is worn over the flash hood as pictured.
2. When worn with SCBA, the boom mic should be positioned on the exhalation port for SCOTT, and on the mask lens for other brands. An alternate location for the boom mic is against the rubber seal near the jawline.
3. The headset should be rotated back just enough for the helmet ratchet system to sit above the headset suspension strap.



II. OVER-THE-HEAD ASSEMBLY

REQUIRES:

Over-the-Head
band



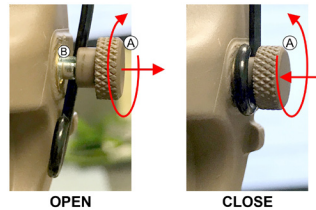
ATTACH OVER-THE-HEAD BAND TO EARCUPS

1. Locate the Over-the-Head band
2. PULL & TURN the textured post (A) on either side of the earcups to extend.
3. Insert the looped ends of the bent wireframe over the interior stainless-steel post (B)
4. TURN POST (A) to retract and close.
5. Feed loose wires along rigid top band and wrap with Velcro headband cover (C).



ADJUST FIT FOR COMFORT

1. Hold either earcup while gently extending the earcup away from the suspension to its full length.
2. Place the headset on the end user's head and position the microphone as close to the mouth as possible (A).
3. Hold either earcup and align the earcups so they are fully covering the ear (B).
4. While holding the earcup, use fingers to press down on the headband to close it as close as possible to the scalp (C). Repeat step for the opposite earcup.



ADJUST FIT FOR SUSPENSION

1. Hold either earcup while gently extending the earcup away from the suspension to its full length.
2. Place the headset on the end user's head and position the microphone as close to the mouth as possible (A).



6. SUSPENSION SYSTEM FIT ADJUSTMENT:

Whether worn in the behind-the head (BTH) or over-the-head (OTH) configuration, the headband will need to be adjusted for proper fit and seal around the ear.

For the purpose of illustration, we have removed the Velcro cover and wire.



BEHIND-THE-HEAD SUSPENSION ADJUSTMENT:

The suspension system can be expanded or contracted for the preferred fitment. Firmly grasp the shoulders of the suspension strap and either slowly pull in the opposite direction or push in the same direction in order to adjust for proper fit.

If there's a fit gap at the front of the ear seal, the suspension strap needs to be expanded. If there's a fit gap at the rear of the ear seal, the suspension strap needs to be contracted. Proper fitment is defined by achieving a proper seal around the ears in all directions.

This can be done with the Velcro cover and wire in place.



OVER-THE-HEAD SUSPENSION ADJUSTMENT:

The suspension system can be expanded or contracted for the preferred fitment. Each side is adjusted independently. Firmly grasp the shoulder of the suspension strap in one hand, and the narrowed crown of the suspension strap in the other, and either slowly pull in the opposite direction or push in the same direction in order to adjust for proper fit.

If there's a fit gap at the top of the ear seal, the suspension strap needs to be expanded. If there's a fit gap at the bottom of the ear seal, the suspension strap needs to be contracted. Proper fitment is defined by achieving a proper seal around the ears in all directions.

This can be done with the Velcro cover and wire in place.

7. FSM/PTT POSITIONING & CONNECTION OPTIONS

LIBERATOR IV HEADSET HAZARD ZONE USE WITH FSM

Even though the REDLINE FSM is tested for the environmental exposure of structural firefighting operations, we recommend users follow the widely accepted practice of the portable radio being worn in a sling holster under the bunker jacket, and the head of the FSM exposed (inverted/canted) through the jacket collar and clipped onto the mic tab (fig. 1).

HEADSET CONNECTION

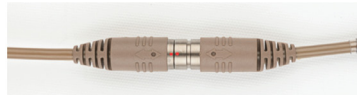
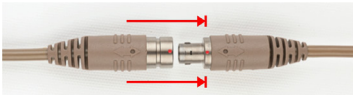
Ensure the headset is plugged in flush to the shoulder of the headset jack. Once plugged in, the microphones and speaker on the FSM are turned off, allowing all of the audio to be transmitted and received through the headset / accessory. The PTT bar on the FSM now becomes the pass-through push-to-talk for the headset / accessory. The radio volume in the headset is controlled by the volume control knob on the radio.



Fig. 1

CONNECTING ADVANCED MILITARY CONNECTORS (LIBERATOR V ONLY)

The Liberator V uses waterproof, high-density Advanced Military Connectors. **Align the red dots and/or raised logo on the cable overmold and plug straight in.**



DO NOT TWIST

8. USER CARE & CLEANING FOR HEADSET

HEADSET CLEANING & DISINFECTING

- Visibly dirty surfaces should be cleaned with mild soap and water.
- **DO NOT USE AEROSOLIZED PRODUCTS.** Aerosols may inadvertently leak disinfectant into critical electronic components and render the product inoperable.
- Avoid using compressed or canned air on speakers and microphones.
- Removal of carbon particles and soot should be done with an anti-carcinogen wipe.
- Use only EPA-registered disinfectant wipes.
- Refer to product label for the required contact time (how long the disinfectant should remain on the surface), the product shelf-life, and all safety instructions prior to handling and use.
- The surface should remain 'visibly wet' for the prescribed contact time in order to produce disinfection.
- It may be necessary to use more than 1 wipe to keep the surface wet for the recommended contact time.
- After prescribed disinfectant contact time, surface may be wiped dry, or the surface may be allowed to air dry.

WATER INTRUSION

- Drain & air dry
- For saltwater exposure, dunk in freshwater 3 times then drain & air dry
- Avoid using compressed or canned air on speakers and microphones.

RECOMMENDATIONS FOR STORAGE / TRAVEL

- The headset system must be completely dry prior to being placed into storage.
- Batteries should be removed prior to long-term storage.
- If utilizing the Scorpion helmet mounts, it is recommended that the earcups be removed from the mounts and stored inside the helmet shell.
- The Scorpion mount arms can be rotated to run along the helmet rail and locked into place.
- All systems should be stored in a protected manner, taking extreme care to prevent damage from loading and unloading of storage containers or bags.

EAR SEAL REMOVAL / REPLACEMENT

- Replace ear seals annually or on equipment re-issue.
- Before replacing ear seals, install a new foam hygiene pad with the circle cut out facing the speakers inside the earcups.
- Using 2-3 fingers, firmly lift up the inner edge of the ear seal. The ear seal is snapped into the earcup with a rubber gasket which can make the engagement very tight.

IMPORTANT: DO NOT USE any tool, such as a screwdriver, to remove ear seals. This could cause damage to the printed circuit board located under the foam hygiene pad.



Align the new ear seal to the inside lip of the earcup and snap it into place. Work around the entire ear seal to ensure it is seated properly.

9. EXPRESS LIMITED WARRANTY

Safariland™ (the “Company”) warrants its products to be free from defects in materials and workmanship for a period of one (1) year from date of purchase. This warranty is subject to the proper Care and Maintenance of the product and proper use of the product as detailed in the Consumer and Safety Information.

If you believe this product has any defects in materials or workmanship, cease use immediately and contact customer service for a remedy. If a product proves to be defective in material or workmanship, we will repair or replace the product and send it to you at the Company’s expense. All returns must include the proof of purchase and documentation specifying the claimed defect.

This is a LIMITED WARRANTY, and is the sole and exclusive warranty of this product by the Company. It shall not be enlarged by any representations, descriptions, course of dealing, trade usage, rendering of technical advice, service or otherwise. Furthermore, it shall not be altered or expanded by any acts, statements, or agreements of any dealer, employee or agent of the Company (other than by a duly authorized officer of the Company).

THE COMPANY MAKES NO OTHER WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY PUNITIVE, EXEMPLARY, OR CONSEQUENTIAL DAMAGES, ANTICIPATED OR LOST PROFITS, INCIDENTAL DAMAGES, LOSS OF TIME, OR OTHER INDIRECT LOSSES OR EXPENSES THAT ARISE FROM ANY CAUSE RELATING TO THE PRODUCT, REGARDLESS OF THE FORM OF THE ACTION, WHETHER IN TORT (INCLUDING NEGLIGENCE), CONTRACT, STRICT LIABILITY OR OTHERWISE, AND REGARDLESS OF WHETHER THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

For any warranty issue, please contact customer care for a prompt resolution to your concern at the number provided below.

(800) 347-1200 or (909) 923-7300.

9. OPTIONAL BAND & MOUNT PART #'S



OVER-THE-HEAD BAND
TAN
OTH-ADAPTIVE-SUSPENSION-KIT-FDE
BLACK
OTH-ADAPTIVE-SUSPENSION-KIT-BLK

BEHIND-THE-HEAD BAND
TAN
BTH-ADAPTIVE-SUSPENSION-KIT-FDE
BLACK
BTH-ADAPTIVE-SUSPENSION-KIT-BLK

HELMET MOUNT
TAN
ADAPTIVE-RAILMOUNT-KIT-FDE
BLACK
ADAPTIVE-RAILMOUNT-KIT-ODG
GREEN
ADAPTIVE-RAILMOUNT-KIT-BLK



13386 INTERNATIONAL PKWY., JACKSONVILLE, FL 32218
 (800) 347-1200 (USA ONLY) OR (904) 741-5400
 SAFARILAND.COM

Part # 1350404
 R.100421