

ExFog Instructions:

Special Note: All Instructions are also available on video at: www.exfog.com

DISCLAIMER:

1. DO NOT use this unit without reading warnings (Last Page). Failure to do so, can result in damage to product, or potential injury.
2. DO NOT attach manifolds without viewing/reading the manifold attachment instructions. Manifolds attach only ONE WAY and if improperly applied, you can damage the track, or the unit.
3. Product is for recreational use only.

What's In the Box? (kits only. Not applicable to replacement base units)

- 1 - ExFog Defogging Unit XT
- 2 - Custom Manifolds (One Straight Down "SD" / One Side-To-Side "STS" manifold)
- 1 - 5' High-Flow Air Tubing
- 2 - magnetic tubing adapter mounts for mid-size goggles (does not work with low profile style)
- 1 - Headband and T-Band (not applicable for essential kits)
- 1 - Commercial Grade Sticky-Back hook and loop fasteners.
- 1 - USB Type C Charger
- 2 - Zip-Strips (T-bands applications only)
- 1 - Workman's kits also include choice of Pyramex goggle (low profile or over the glasses; OTG)

Directions For Use:

All audio/video directions can be found at www.exfog.com along with tips and tricks to help you ensure that exposed tubing is at a minimum, or virtually obsolete.

Important Note: When placing the Manifolds on the track, they must be installed with the small "barb" facing away from the track. Attempting to install the manifold in the opposite direction can damage the track. If you are not 100% certain how to install after reviewing these instructions, please see our video at: www.exfog.com

1. Charge the ExFog Fully **NO MORE THAN 3 DAYS** Before Each Use:

- a. It is important to ensure the ExFog is completely charged before each use, but to ensure the greatest battery life, do NOT let sit for more than 3 days with a full charge. (note: if using an external battery source, unplug from the device after each use or it may damage the battery and void the warranty)
- b. You can recharge the unit with the included charging cord.
- c. When you plug in the unit, the battery light will glow "red". When completed, the "fully charged" green light will appear, and the red light will turn off.

2. Identify the headwear (if applicable), and safety goggles that you will be using.

Note: Not all variations of goggles and headwear can be covered. We will have videos showing different installation methods at: www.exfog.com

- a. Standard Headband – This headband can be used in most cases and is intended primarily for individuals that choose items such as bandanas, or opt for no headgear.
- b. T-band Headband – This headband is intended for use with mid-profile goggles, such as paintball or skiing style masks.

"T-Band" Installation Instructions:

1. Using the included Zip-Tie, attach the small "Circular Ring" at the front of the Top Head strap to a central location on the air vents of your Mid-Profile mask.
2. Wrap the double-sided hook and loop straps around the rear headband.
3. That's it...You can then attach the unit to the headband with the included hook and loop strips as noted below.

3. Determine what style of manifold you need.

Examples:

- a. **Helmets (Military Style, Construction, etc.):** If the unit is sitting on a helmet, where there is no "bill", you may choose to do the "SD" style of manifold, so you can just wrap the tubing back into the helmet, and make it invisible, prior to inserting into the goggles.
- b. **Caps with Bills / Boonies:** Anything with a bill or "lid", you may want to use the "STS" style manifold, so you can rest the unit directly on top of a bill without kinking the tubing. In the case of a "boonie", there may be some slight modification to the headgear to make applicable. Baseball Caps with the fuzzy loop fastener patch have been extremely popular, as they allow for direct hook-side fastener attachment.
- c. **Paintball-Style Mask:** The "STS Style manifold works well in most cases, with the "T-Band" (if selected) and allows the individual to "tuck" the tubing into the head-strap if they so desire.
- d. **No Headwear:** If selected, the universal head-strap will allow for attachment when not wearing headwear or in applications where you may not have a hat or helmet. In this case, you will need to identify the best manifold selection for yourself.

4. Apply the Commercial Grade Sticky Back Hook and Loop Fastener:

Your ExFog unit comes with a very strong, sticky-back hook and loop fastener. Attach as instructed below:

- a. Attaching to headbands provided:
 1. Clean and dry the back of the unit and the large plate located on the headband with either two small, moist towels (one with a very small drop of dish detergent, and secondary one to rinse, and pat dry to remove any oils on the surface (Alcohol wipes would also be a suggested way to clean).
 2. Remove the plastic film covering the back of the hook-side of the fastener and place the pre-cut fastener on the unit, ensuring it is straight, even, and centered.
 3. Then remove the plastic film covering the loop-side of the fastener and place the fastener securely to the large headband plate, ensuring it is straight even and centered.
- b. Attach to helmets or baseball caps with loop-side fastener patch already included
 1. Repeat steps 1 and 2 above ensuring the hook-side fastener is attached to the unit.
 2. Place unit on helmet or hat and apply light pressure to secure the hook and loop.

Disclaimer: Take care not to get oils or dirt from your hands on the "tape side" of the hook and loop fastener, as it may reduce the adhesive properties.

5. Install Manifold onto the unit:



Correct Manifold Attachment – Nub (circled) is away from the unit



Proper Manifold Attachment Complete

- a. The manifolds are a “screw free”, snap-in style, allowing for incredibly quick change as needed.
- b. Attach the manifold as follows:
 - a. Insure the small “nub” or “bump” at the end of the manifold is positioned on the far side of the track (the manifold should slide about ¾ of the way into the track before the nub enters the track.
 - b. Slide the manifold slowly into the track, until you see the nub enter and move into the small “notch”, making a clicking noise, which indicates it is secure.
 - c. Remove the manifold by just adding pressure in the opposite direction until the manifold slides off.
 - d. If this is done properly, the manifold will slide very smoothly into position until it “clicks” into place. If it does not easily slide on or off, check out our video at: www.exfog.com
6. **Attach the unit to the proper headwear, and ensure it fits securely and comfortably.**
 - a. The unit must have a firm attachment to your head-wear to ensure it is connected well, and will not “fall off” during use.
 - b. Once you are satisfied the unit is well connected, you can then attach the tubing.
7. **Determine the appropriate length of High-Flow Tubing needed for your application.**
 - a. Attach the tubing to the manifold stem.
 - b. Run the tubing as needed from the stem to the area on your goggles in which you wish to cut.
 - c. Remove the unit from your head while holding the tubing in the proper location.
 - d. Repeat as necessary to trim the tubing to a point where it can carefully slide into your goggles in a comfortable area of your face.
 - e. Ensure tubing has no jagged edges, or edges that could potentially cause eye irritation.
 - f. Important Note: Ensure the tubing is clean. If the tubing is not clean (ie. Dropped in the dirt), you will be introducing that dirt close to your eye, which could risk irritation. If the tube gets dirty, just rinse with water and that usually gets everything off. If not, a light dish soap and rinse would be recommended.
8. **Position Tubing and Trim as necessary for proper fit:**
 - a. Trim the tubing down to fit comfortably in the goggle.
 - b. It is recommended that the tubing “points” toward the lens, effectively splashing the air into the lens, and allowing for better circulation, and less air “entrapment”.
9. **Turn on the ExFog Unit as Needed:**
 - a. The ExFog unit has a variable speed control.
 - 1st Button Press: High - For immediate clearing of lenses, high profile lenses, and extreme fogging situations.
 - 2nd Button Press: Medium - For clearing moderate fogging issues, use if maintenance speed is too low.
 - 3rd Button Press: Low - For typical maintenance fog clearing if needed.
 - 4th Button Press: Off

*Quick Clear - Used for a fast clearing on already fogged goggles - To activate, press and hold the power button for 3 seconds on any existing setting and the unit will max the fan speed for 30 seconds. After 30 seconds it will settle on High. Resume the quick press sequence above to return to the desired speed.

 - b. In most cases, it is suggested to intermittently click the fan on and off to maximize battery life. With that being said, the unit is designed to run non-stop as needed to ensure total fog clarity.
10. **Battery Usage:**
 - a. Recharge the battery between uses, but not more than 3 days prior to use.
 - b. ExFog Recommends storing batteries with a partial charge. Storing a full battery can lead to battery damage over time.
 - c. Do not store the battery for any long periods without “refreshing” them every so often.
 - a. Once every **3 months**, first recharge the unit with the supplied charger, until full.
 - b. Then, let the unit run on high for approximately 2 hours, turn off, and return to storage.
 - d. This regular bit of maintenance will ensure that your unit will function at peak performance for years to come!

WARNINGS / NOTIFICATIONS:

Warnings and Notifications are designed to ensure your safety, and to allow you enjoy the ExFog unit for years to come. Failure to follow these warnings, or notifications may lead to, not only risk of the user, but will void the ExFog warranty. The Exfog enclosure is made with incredibly strong material, often used in the design of bullet-proof glass. This unit was designed to be highly resistant to many forms of abuse, however everything can have a limit. IF THE EXFOG UNIT IS DAMAGED, REMOVE FROM YOUR HEAD AND STOP USE IMMEDIATELY. DO NOT STORE WITH MATERIALS THAT CAN IGNITE – CONTACT EXFOG DIRECTLY TO ADVISE.

The ExFog Antifog unit is powered by a well-protected, LiPo battery for long-run time and to keep the unit light weight. Direct damage to a LIPO battery, however, may result in ignition which is why care must be made to immediately inspect when there is concern of a “strike” to the unit itself. For Airsoft: Use of the ExFog unit at locations other than fully insured Airsoft fields, with enforced regulations on the velocity of Airsoft BB’s, will result in voiding of the warranty, and puts the user in danger of high-speed impacts that may harm the ExFog unit, or pose a potential fire hazard.

After any direct or indirect “hit” to the ExFog unit, inspect the unit immediately to ensure it is free of damage.

Inspect the ExFog unit after use to ensure there is no damage to the body.

Keep all air intakes free of debris as much as possible. Intakes can be cleaned after use, by turning the unit off, and using something small, such as a pin, to break up the debris. Do NOT push the pin through the holes. The fan blades are positioned very close to the holes, so care must be given not to damage the blades in the unit.

Clean the unit if dirty, with a moist towel and dry thoroughly. If needed, a light detergent, or alcohol wipes may be used.

Limited Warranty

Effective 10/5/2023

1. Warranty Coverage

Any failure due to defects in materials or workmanship occurring during the applicable warranty period, subject to the exclusions and limitations set forth in the following paragraphs. Warranty coverage applies only to the ExFog product that is purchased from authorized ExFog dealers in the United States and U.S. territories, or directly from the ExFog website. This limited warranty policy is not valid for any ExFog product purchased outside of the United States and U.S. territories.

2. Warranty Period

The ExFog is warranted for up to 1 year from the date of purchase when used for personal, recreational, household, or family purposes. All damage related to use outside the above- mentioned parameters is not covered under warranty.

3. Warrantor

Battlewear Components Inc
56179 Dana Drive
Bristol, IN 46507
Phone: 574-612-8439
e-mail: sales@exfog.com
website: www.exfog.com

4. **Persons Covered by This Warranty** are limited to the original purchaser (except for purposes of resale)

5. Warranty Exclusions, Limitations, and Rights

The Following are not covered by this warranty:

- A. Parts or components not supplied by the warrantor, or parts or components that have been modified.
- B. Any failure that results from accident, abuse, misuse, neglect, mishandling, wear, improper voltage used to charge electronic components, failure to operate the product in accordance with the instructions provided with the product.
- C. Items or service required when performing normal and regular maintenance of the product.
- D. Damage related to dirt, abrasives, moisture, rust, corrosion, wear or other similar conditions.

THE WARRANTOR WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. ANY WARRANTY IMPLIED BY STATE LAW SHALL BE EFFECTIVE FOR ANY PRODUCT ONLY FOR THE DURATION OF THE APPLICABLE WARRANTY PERIOD LISTED ABOVE. SOME STATES DO NOT ALLOW EXCLUSIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES AND/OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSIONS AND LIMITATIONS MY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

6. Duties of Dealer

Maintain records of purchases, making them available to warrantor upon request for purposes of verification of warranty claim. Any product returned to the dealer must be returned to warrantor within 15 days of receipt

7. Duties of Consumer

- A. Use reasonable care in the maintenance, operations, and storage of the product as explained in the instructions provided with the product.
- B. Should any failure covered by this warranty occur, the Consumer must deliver or ship the product to original location where the product was purchased. Purchases from the ExFog website should be returned to the warrantor directly. Must provide proof of purchase. Freight costs and transportations charges if any, will be borne by the Consumer.

8. Duties of the Warrantor

- A. Any defective product or component covered by the warranty will be replaced at no cost to the Consumer
- B. Product failure covered by this warranty will be replaced according to the normal workflow of the authorized dealer whom the product is delivered for replacement depending upon availability of product.
- C. If the Consumer does not receive satisfactory results from the authorized dealer, the Consumer may contact the warrantor directly.