

USER GUIDE

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TABLE OF CONTENTS

Introduction ..... Pages 3 - 4

Set-Up ..... Pages 5 - 7

GET IT 2GETHER™ Puzzle Activity ..... Pages 8 - 15

Smash Match® Impairment Challenge ..... Pages 16 - 23

DIES® Opioid Mat ..... Pages 24 - 29

Goggle Information ..... Pages 30 - 39

INTRODUCTION

What Are the Fatal Vision® Opioid Goggles?

FV Opioid Goggles are programmable electronic eyewear that simulates the slowed reactions, blurred vision, and poor coordination seen with opioid intoxication. Paired with a mobile app, hand-weights, and activities, the goggles impose these deficits onto routine tasks so participants feel how opioids undermine balance, focus, and judgment.



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Purpose

Give users a firsthand experience that builds both understanding **and empathy** for the risks opioid impairment poses to their safety and the people around them.

Objectives

By the end of the program, participants will be able to:

- **Identify** the specific sensory and motor deficits opioids can cause.
- **Relate** those deficits to daily activities such as driving, parenting, work, and self-care.
- **Reflect** on how opioid misuse reverberates through families, workplaces, and communities.

Research-Based Approach

Research shows that experiential learning shifts attitudes more powerfully than information alone. By placing users in an impaired state, the goggles prompt critical reflection on multiple assumptions, such as “I can function on my prescription” or “my choices affect only me,” often rooted in optimistic bias. This broader challenge encourages conversations about prevention, treatment, and support.

SET-UP

Goggle Set-Up

MATERIALS NEEDED

- Fatal Vision® Opioid Goggles
- Hand/wrist weights
- GET IT 2GETHER™ – HOME Activity Mat and Puzzle Pieces
- GET IT 2GETHER™ – SCHOOL Activity Mat and Puzzle Pieces
- Smash Match® Mat and Shape Sets
- DIES Mat with Wheel
- Smartphone with Fatal Vision® Opioid Goggles App

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SET-UP INSTRUCTIONS

1. Turn on the goggles by pressing the POWER button.
2. Open the Fatal Vision® Opioid Goggles app on your smartphone.
3. Select the impairment MODE to demonstrate.
4. Start with the NORMAL mode for baseline activities.



Download the app free from the Apple App Store or Google Play Store.

Modes for Opioid Impairment

MODE A: DIVIDED ATTENTION FAILURE

Simulates how opioids reduce the brain's ability to manage multiple stimuli. Participants experience decreased awareness and limited scope of input, mimicking divided attention impairment.

MODE B: NODDING OUT

Simulates sedation and fading consciousness. The screen progressively blacks out, mimicking drowsiness and eventual loss of awareness due to Central Nervous System (CNS) depression.

MODE C: PROGRESSIVE SEQUENCE

Combines MODES A and B into one seamless experience. Use this mode to efficiently run sessions with limited time.

Additional Simulation Effects

GRADIENT FILM ON GOGGLES

Demonstrates impaired contrast sensitivity caused by constricted pupils under opioid influence. It's especially impairing in low-light conditions.

HAND/WRIST WEIGHTS

Simulate opioid-induced sluggishness, lethargy, and lack of muscle coordination. Uneven weights exaggerate the sense of unbalanced control.

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GET IT 2GETHER™ PUZZLE ACTIVITY



Goal

To demonstrate how opioid impairment disrupts concentration, coordination, and problem-solving by completing a puzzle under different impairment conditions.

Materials

- GET IT 2GETHER™ mat (HOME or SCHOOL)
- Puzzle pieces
- Fatal Vision® Opioid Impairment Goggles
- Hand/wrist weights (for simulating heavy limbs)
- Timer or app with impairment modes (NORMAL, MODE A, MODE B, MODE C)
- Disinfectant wipes and hand sanitizer

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Set-Up

1. Place the GET IT 2GETHER™ mat positive side up on a flat table. Arrange the puzzle pieces above the mat within easy reach.
2. Show participants the positive (complete) side of the mat and explain this represents putting their life together.
3. Flip the mat to reveal the negative side, explaining this shows the challenges caused by opioid impairment. The goal is to restore the positive scene by completing the puzzle over the negative side.
4. Place disinfectant wipes and hand sanitizer nearby for hygiene before and after each trial.
5. Reset the timer on the app.

Activity Steps

1. BASELINE ATTEMPT (NO IMPAIRMENT)

- Ask a volunteer to complete the puzzle without goggles or weights.
- Set the app to NORMAL mode and press START when they begin.
- Time the completion and record the result as their BASELINE performance.
- **Note:** This sets the standard to compare with impaired attempts.



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Activity Steps

2. IMPAIRED ATTEMPT #1 (MODE A: DIVIDED ATTENTION FAILURE)

- Have the participant put on the goggles set to MODE A.
- Explain that this simulates difficulty concentrating on multiple tasks simultaneously (divided attention failure).
- Press IMPAIRED when the participant begins assembling the puzzle again.
- When time runs out or the puzzle is completed, record the number of correctly placed pieces and the time taken.
- Ask the participant to describe how the impairment affected their focus and task completion.
- Invite observers to share what they noticed about the participant's concentration, coordination, or behavior.



Activity Steps

3. IMPAIRED ATTEMPT #2 (MODE B: NODDING OUT)

- Explain this mode simulates "nodding out," where limbs feel heavy and consciousness begins to fade.
- Have the participant sanitize hands, put on the goggles, and hold out their hands; palms up.
- Slide wrist weights onto their hands and secure them to simulate heavy limbs.
- Set goggles to MODE B and press IMPAIRED when they begin the puzzle.
- Record the number of pieces they correctly placed before time expires.
- Ask the participant about their experience controlling their hands and maintaining awareness during the task.
- Have observers comment on any changes in behavior, coordination, or attention.

OPTIONAL: IMPAIRED ATTEMPT #3 (MODE C: PROGRESSIVE SEQUENCE)

- This mode combines both impairments in sequence for a more comprehensive simulation.
- Repeat the activity as above, noting differences in performance and behavior.

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Wrap-Up

- Remove the goggles and weights from the participant.
- Sanitize hands and clean all equipment using disinfectant wipes.
- Review missed puzzle pieces on the mat, discuss areas of life (HOME or SCHOOL) affected by opioid impairment.
- Lead a group discussion on the challenges experienced and their real-world implications.

Talking Points

DIVIDED ATTENTION FAILURE (MODE A)

- How did the impairment affect your ability to focus on multiple puzzle sections?
- Did the task feel more difficult? In what ways?
- ***Observers:*** What changes did you notice in the participant's focus and coordination?
- ***Takeaway:*** Opioid impairment severely reduces the ability to multitask and concentrate, making everyday responsibilities harder.

NODDING OUT (MODE B)

- How did the sensation of "nodding out" affect your control over movements and awareness?
- ***Observers:*** What behavioral or physical changes did you observe?
- ***Takeaway:*** Opioid impairment can cause sensory shutdown and loss of control, preventing safe and effective task completion.

REAL-LIFE IMPACT EXAMPLES

- ***Home:*** Caring for children, cooking meals, paying bills, home safety.
- ***School:*** Completing homework, participating in sports, maintaining friendships, upholding self-respect.
- ***Takeaway:*** Opioid abuse disrupts critical life functions, leading to neglect of responsibilities and relationships.

Optional Instructor Notes

- **Encourage participants to verbalize their frustrations or challenges during impairment modes to deepen empathy and understanding.**
- **Highlight the importance of patience and support for individuals struggling with opioid impairment.**
- **Use the discussion to connect puzzle performance challenges to real-world safety risks.**

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SMASH MATCH® IMPAIRMENT CHALLENGE



Goal

To illustrate how opioid impairment affects cognitive processing speed, coordination, and accuracy using a shape and color matching task.

Materials

- Smash Match® mat
- Shape sets
- Fatal Vision® Opioid Goggles
- Smartphone with app

Set-Up

1. Place the Smash Match® mat flat on a table in front of the participant, seated or standing.
2. Spread the shapes evenly on both sides of the mat.
3. Reset the timer on the app.

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Discussion Before Activity

ASK PARTICIPANTS TO THINK OF DRIVING SCENARIOS REQUIRING QUICK REACTIONS, SUCH AS:

- Other cars cutting in front.
- Pedestrians entering unexpectedly.
- Road condition changes due to construction.

EMPHASIZE THE IMPORTANCE OF QUICK, ACCURATE RESPONSES IN THESE SITUATIONS.



Activity Steps

1. BASELINE ATTEMPT (NO IMPAIRMENT)

- Explain that the participant will match eight shapes to the corresponding spots on the mat, one shape per location, each color used only once.
- Press NORMAL and START on the app timer.
- Participant matches shapes as quickly and accurately as possible.
- Press STOP when all shapes are matched. Record the time and note any mistakes.



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Activity Steps

2. IMPAIRED ATTEMPT #1 (MODE A: DIVIDED ATTENTION FAILURE)

- Mix up the shapes and have participant close their eyes.
- Help them put on the Fatal Vision Opioid Goggles set to MODE A – DIVIDED ATTENTION FAILURE.
- Press IMPAIRED.
- Participant repeats the matching activity.
- When time runs out or the puzzle is completed, record the number of correctly placed pieces.

Activity Steps

3. IMPAIRED ATTEMPT #2 (MODE B: NODDING OUT)

- Mix shapes again and have participant close eyes.
- Help participant put on goggles set to MODE B – NODDING OUT plus hand/wrist weights simulating limb heaviness.
- Press IMPAIRED.
- Participant repeats the matching activity.
- When time runs out or the puzzle is completed, record the number of correctly placed pieces.

OPTIONAL: COGNITIVE TASK TO INCREASE DIFFICULTY

- Ask a thought-provoking question during the impaired attempts, such as: “How would you drive to the nearest coffeehouse?”
- This simulates multitasking and real-world distractions.



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Wrap-Up

- Discuss differences in speed, accuracy, and task difficulty between baseline and impaired attempts.
- Sanitize materials.

Talking Points

- How did impairment affect your ability to process information and coordinate movements?
- ***Observers:*** What behaviors showed decreased attention or slower reactions?
- ***Takeaway:*** Impairment greatly slows cognitive and motor functions, increasing risks in critical situations like driving.

Shape Discussion

Review the driving behaviors and traffic sign shapes on the mat. Say a few out loud and discuss:



Stay in your lane

Risk sideswiping vehicles, hitting roadside objects or people, or crashing.



Maintain proper following distance

May not stop in time if the car ahead brakes suddenly; difficulty navigating curves safely.



Stop at the stop sign

Crashes and traffic disruption can occur if you don't stop properly or stop unexpectedly in the middle of the road.



Drive the speed limit

Driving too fast increases crash risk; driving too slow impedes traffic flow.



Stay on your side of the road

Risk of head-on collisions or sideswiping vehicles or objects.



Use correct turn signals

Without signals, other drivers and pedestrians won't know your intentions, increasing crash risk.



Make turns with proper radius

Too wide may cause collisions or missed turns; too narrow may cause hitting curbs or pedestrians.



Use the brake pedal smoothly

Sudden braking risks rear-end collisions, disrupts traffic, and may cause whiplash injuries.

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DIES® OPIOID MAT



Goal

Experience how opioid impairment affects driving skills, attention, and reaction time through a simulated driving route using the DIES Mat and Fatal Vision® Opioid Goggles.

Materials

- DIES® Opioid Mat
- Fatal Vision® Opioid Goggles
- Hand/wrist weights
- Timer or app
- Disinfectant wipes and hand sanitizer

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Set-Up

1. Lay out the DIES® Opioid Mat flat on the floor where the driver can comfortably operate the steering wheel.
2. Prepare the app and goggles for operation.
3. Describe a driving scenario: the driver will stop briefly at two locations and then return to the starting point, obeying “Rules of the Road.”
4. Invite the group to observe the driver’s performance for both unimpaired and impaired attempts.



Activity Steps

1. BASELINE ATTEMPT (NO IMPAIRMENT)

- Give the driver the DIES steering wheel and explain the task.
- Instruct the driver to follow the route described, obeying “Rules of the Road.”
- Set the app to NORMAL mode by pressing NORMAL and START on the baseline timer.
- The driver follows the route without impairment.
- Press STOP when the driver completes the route. Record the time taken.



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Activity Steps

2. IMPAIRED ATTEMPT (WITH OPIOID IMPAIRMENT GOGGLES)

- Have the driver put on the Fatal Vision® Opioid Goggles.
- If the driver veers off the road 3 times or drives off the road for more than 3 seconds continuously, stop the attempt and note the result.
- Set goggles to MODE A – DIVIDED ATTENTION FAILURE, press IMPAIRED and have the driver repeat the route. Record results.
- Next, set goggles to MODE B – NODDING OUT, help the participant put on hand and ankle weights to simulate heaviness in extremities.
- Press IMPAIRED and have the driver repeat the route again. Record results.
- If time is limited, use MODE C – PROGRESSIVE SEQUENCE instead, press IMPAIRED, and repeat the route once.



Wrap-Up

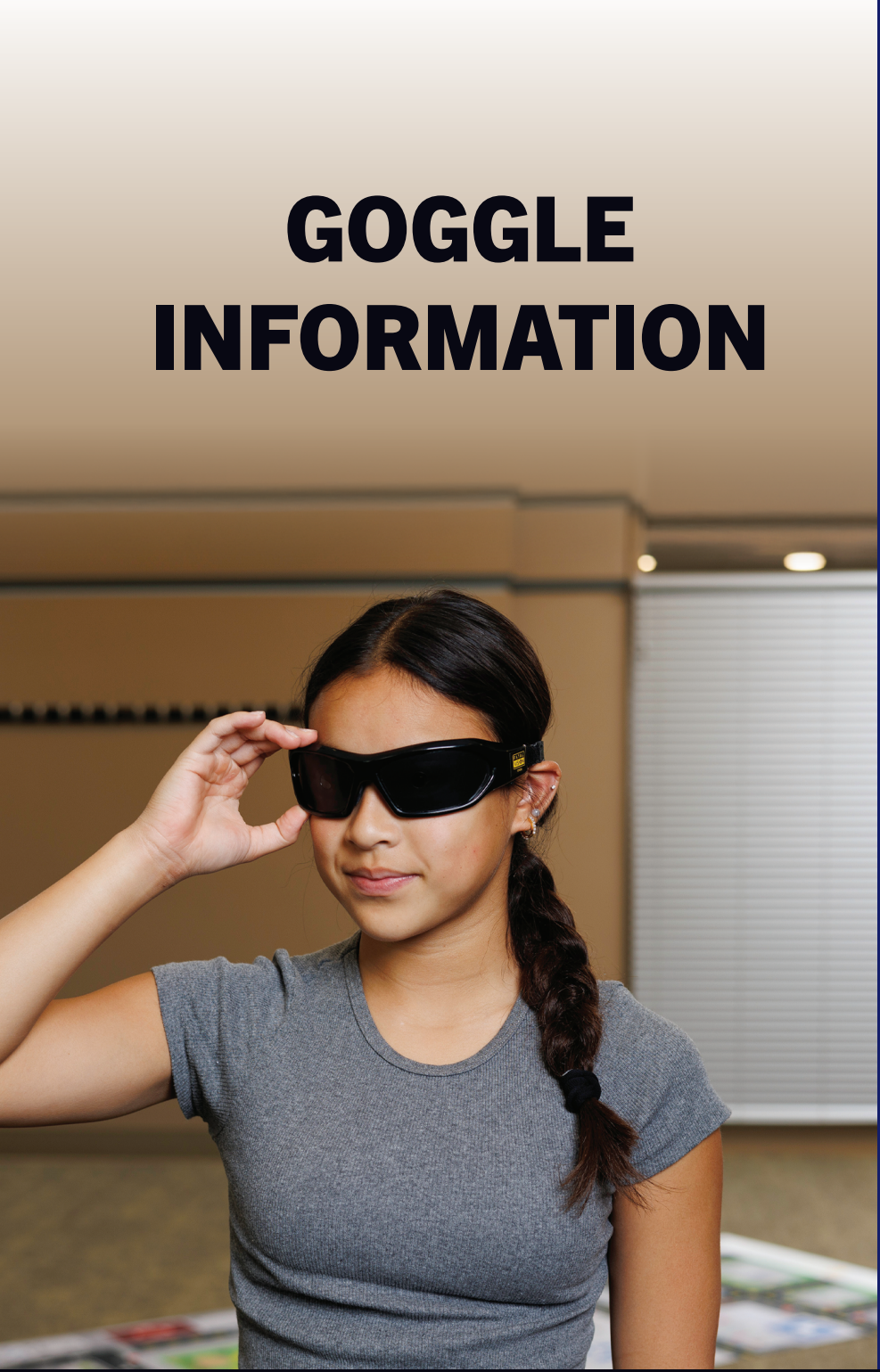
- Remove goggles and weights.
- Discuss how impairment affected ability to stay on route, obey rules, and overall control.
- Highlight key observations from the group.
- Sanitize all equipment.

Talking Points

- How did your attention and reaction time change with impairment?
- What challenges did you notice while “driving” impaired?
- ***Observers:*** What signs of impairment did you notice?
- ***Real-world relevance:*** Poor driving decisions and slower reaction times increase accident risk under opioid influence.

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GOGGLE INFORMATION



Goggle Maintenance

- Disinfect goggles thoroughly after every use with approved wipes.
- Ensure participants sanitize hands before and after handling weights and goggles.
- Store goggles safely to avoid damage.

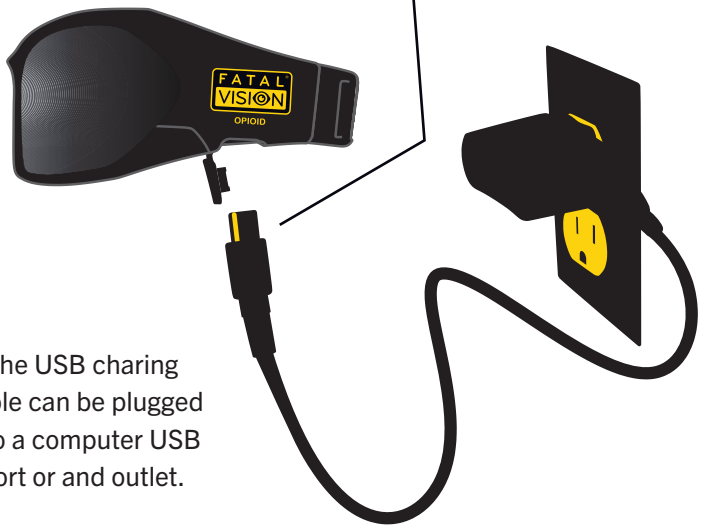


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CHARGING

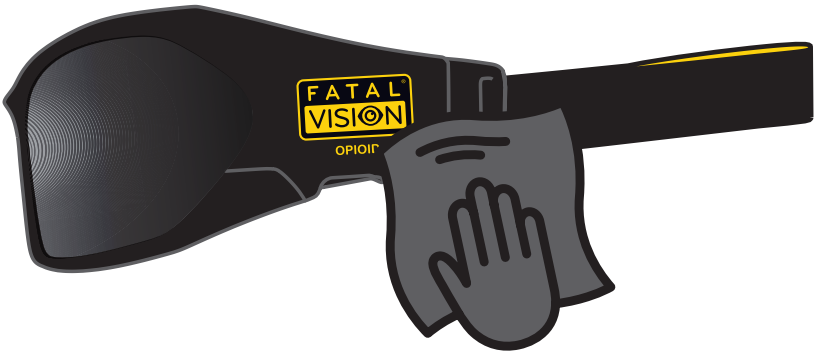


The micro USB connection plugs into the Fatal Vision Opioid Goggle directly under the logo.



The USB charing cable can be plugged into a computer USB port or and outlet.

CLEANING



Disinfect the goggles after every use to protect your participants and presenters. Wipe the goggle frame with a disinfectant wipe and let air dry, can take up to three minutes. Do not wipe the lenses.*



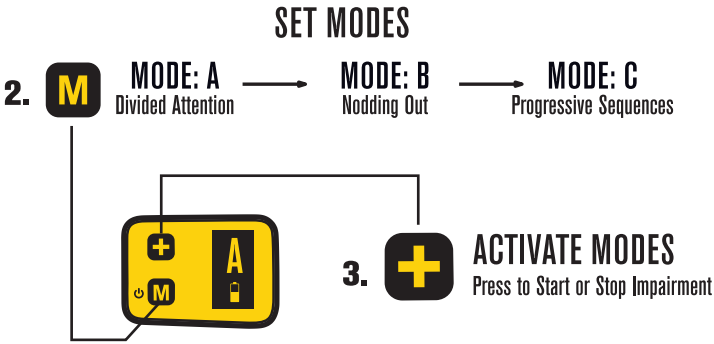
You can remove strap and wash it.

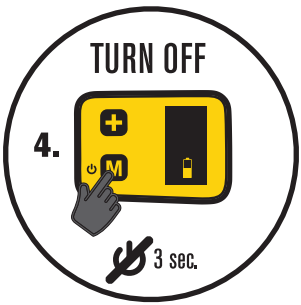
* See page 36.

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MANUAL OPERATION







Goggle Safety Information

- Always supervise participants during activities.
- Prevent running or misuse while wearing goggles.
- Remove goggles immediately if a participant feels dizzy or uncomfortable.

IMPORTANT SAFETY INFORMATION

Read all safety and user instructions before training with FATAL VISION® OPIOID GOGGLES.

NOTICE: THIS IS NOT A MEDICAL DEVICE. The FATAL VISION OPIOID GOGGLES should not be used to diagnose, treat, or prevent any disease or medical condition. If you are experiencing any physical or mental abnormality or symptom, including but not limited to a change in your vision, discomfort related to your vision, headaches, or any other symptom relating to your head or eyes in any way whatsoever, you should immediately consult your doctor and NOT USE THIS DEVICE until a medical professional has deemed it appropriate.

WARNING: DO NOT USE IF YOU ARE PRONE TO SEIZURES, BLACKOUTS, or believe that you may be prone to seizures or blackouts. Discontinue use IMMEDIATELY and consult a physician if you experience any of the following: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, dizziness, or disorientation.

WARNING: DO NOT USE UNDER THE INFLUENCE OF ANY DRUG OR ALCOHOL.

WARNING: FATAL VISION OPIOID GOGGLES are not sunglasses. Goggle lenses do not provide UV protection.

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WARNING: The FATAL VISION OPIOID GOGGLES will intentionally obscure one's vision to train reaction and response. As a result, do not wear or use FATAL VISION OPIOID GOGGLES outside of a protected and safe environment that is designed and kept for the sole purpose of performing training drills in a controlled setting. Use in any other environment could lead to serious injury or death. USE ONLY AS DIRECTED.

Failure to follow these instructions could result in serious injury or death.

PROPER USE OF FATAL VISION® OPIOID GOGGLES

Allow for adequate amount of space when training. Be sure there are no objects in the training space which could cause a user to trip, or cause injury if struck while moving. In addition, be sure that you are in an environment where no objects or persons could enter the training space, as such objects could collide with the user and cause serious injury or death.

EXAMPLES OF MISUSE

The following activities constitute misuse of this product and should not be performed under any circumstances.

- Do not drop, crush, puncture, burn, or force open FATAL VISION OPIOID GOGGLES.
- Do not expose FATAL VISION OPIOID GOGGLES to extreme environmental conditions, including temperatures over 122'F (50'C), or under 32'F (0'C), environments with abnormal humidity or dust. Do not expose FATAL VISION OPIOID GOGGLES to driving rain, hard water spray or immersion in water.
- Other than charging the battery, do not attempt to repair FATAL VISION OPIOID GOGGLES yourself.
- Do not wear FATAL VISION OPIOID GOGGLES outside of a protected training environment that is designed to provide a safe setting whereby

- a user can experience limited visibility for training purposes. Under no circumstances should you wear FATAL VISION OPIOID GOGGLES while driving a car, riding a motorcycle or ATV, riding a snowmobile, operating heavy machinery of any type, flying a plane, flying a helicopter, swimming, riding a bike, skateboarding, rollerblading, roller skating, snowboarding, skiing, participating in any contact sport, participating in any activity where an object could collide with the user causing injury including, but not limited to, batting a baseball or softball using a live pitcher.

IMPORTANT HANDLING INFORMATION

Read the following information before using the FATAL VISION OPIOID GOGGLE. This page contains critical and essential information relating to use of the FATAL VISION OPIOID GOGGLE, its corresponding warranty, and Innocorp's liability for any damages relating to the FATAL VISION OPIOID GOGGLE.

NOTICE: Failure to follow these handling instructions could damage FATAL VISION OPIOID GOGGLE and void any warranty or return policy offered by Innocorp.

Always store FATAL VISION OPIOID GOGGLE in the hard case provided when not in use. FATAL VISION OPIOID GOGGLE should be stored and used within acceptable temperatures 32-122'F (0-50'C), Do not leave FATAL VISION OPIOID GOGGLE in your car as temperature may exceed 122'F (50'C).

Clean the FATAL VISION OPIOID GOGGLE lens using the micro-fiber cleaning cloth or other soft cloth. Be sure cleaning cloth is clean and free of any lint or debris. Wipe lens lightly to remove any dirt or smudges. Do not use cleaning products on lens. FATAL VISION OPIOID GOGGLE must be disposed of properly according to local laws and regulations.

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Goggle Warranty

- Warranty covers manufacturer defects only.
- Normal wear and tear, misuse, or damage caused by accidents is not covered.
- Contact Fatal Vision® customer service for warranty claims.

ONE YEAR LIMITED WARRANTY

Your FATAL VISION OPIOID GOGGLE product is warranted to be free of defects in materials or workmanship, under normal use, for a period of one year from the date of purchase. This limited warranty excludes damage resulting from improper care or handling, accidents, modification, unauthorized repairs, normal wear, or other causes which are not defects in materials and workmanship, if your product is defective, return it and the store receipt to the place of purchase. If there is a covered defect, we will replace the product (subject to availability) or issue a refund. We reserve the right to refuse either replacement or refund (but not both) if the cost of doing so would be disproportionate to the defect.

THE ABOVE-DISCUSSED LIMITED WARRANTY IS IN PLACE OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES OF ANY KIND, WHICH ARE HEREBY EXPRESSLY DISCLAIMED AND RENDERED OF NO FORCE AND EFFECT INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY, NON-INFRINGEMENT

AND FITNESS FOR ANY PARTICULAR PURPOSE. INNOCORP'S SOLE OBLIGATION AND LIABILITY FOR PRODUCT DEFECTS SHALL BE, AT SENAPTEC'S OPTION, TO REPLACE SUCH DEFECTIVE PRODUCT OR REFUND TO BEERY THE AMOUNT PAID BY BUYER THEREFORE.

IN NO EVENT SHALL INNOCORP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, PUNITIVE, EXEMPLARY, OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATING TO ANY INNOCORP PRODUCT OR SERVICE, INCLUDING WITHOUT LIMITATION ANY AND ALL LIABILITY FOR LOST PROFITS, LOST SAVINGS, OR LOSS OF BUSINESS OPPORTUNITY. BUYER AND/OR USER EXPRESSLY AGREE THAT ANY RECOVERY IS LIMITED TO THE PURCHASE PRICE. IN NO EVENT SHALL INNOCORP'S LIABILITY EXCEED THE BUYER'S PURCHASE PRICE FOR THE FATAL VISION OPIOID GOGGLE. No other person or company is authorized to change this limited warranty, and your dealer is solely responsible for any other warranties.

The foregoing is without prejudice to other legal rights that may arise under applicable national legislation. The Innocorp warranty extends only to products purchased from an authorized Innocorp distributor. The warranty does not apply to consumable parts, such as batteries unless damage had occurred due to defect in materials or workmanship. If you do not accept any of the foregoing information, do not use the FATAL VISION OPIOID GOGGLE. **If you have any questions regarding the foregoing information please contact Innocorp at: info@fatalvision.com.**

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