



i³ AND PRO i³
OWNER'S MANUAL





WARNING: *Flying paintballs can result in serious eye injury or blindness.*

Never lift the goggle or take them off when within range of flying paintballs.

Make sure the lens is securely locked in the goggle frame.
Inspect the lens for cracks before each use.

Make sure there are no gaps between the goggle and your face.

Adjust the goggle strap snugly so that it won't fall off.

Do not play paintball unless all markers are limited to 300 feet per second (92 meters per second) or less.

Thoroughly clean paint off lens using only cool, clear water.

Store in a cool, dry place with no chemical fumes.

Immediately replace any lens that has taken a direct hit from ten feet (three meters) or closer.

Do not use this goggle until you have read, understood and followed all instructions and safety precautions in the owner's manual.

If the owner's manual is unavailable or lost, get another copy by calling DYE Precision, Inc. at (858) 536-5183 or visit www.dyepaintball.com

WARNING: *No goggle can prevent fogging under all conditions. If your goggle does fog up, do not remove them while in a paintball area.*

If your goggle comes off for any reason while in a paintball area:

- stop
- cover your eyes with your hands, and
- yell for help.

BLINDNESS IS A LIFE-ALTERING INJURY. DON'T RISK IT!

Even if you are an experienced player, we urge you to take the time to read this manual. It includes important safety information and describes techniques that can help you extend the useful life of your DYE® i³™ goggle system.

The DYE® i³™ goggle system is intended to function with all genuine DYE® components in place – lens, goggle, goggle frame, mask, ear pieces and strap.

- Do not add anything to the system.
- Do not put stickers on the goggle, goggle frame, mask, lens or strap.
- Many adhesives can weaken the lens and goggle.
- Do not attach anything to the system.
- Do not take anything off of the system.
- Do not cut, trim or reshape any component of the system.
- You may use the system without the visor. Do not use the system without any of the other components.

WARNING: *Some states have laws about paintball play. It is your responsibility to know and follow the laws of the state where you play.*

WARNING: *Failure to follow all instructions and heed all warnings may result in serious and/or permanent injury.*

WARNING: *Never remove the DYE® i³™ Goggle System while on the playing field.*

WARNING: *Wear the DYE® i³™ Goggle System whenever shooting a paintball marker or near an area where paintball markers are being shot.*

WARNING: *All paintball markers must be chronographed. Do not play where paintball velocities exceed 300 feet per second (92 meters per second).*

WARNING: *Observe the rules of safe play and the rules of safe paintball marker handling at all times.*

WARNING: *Do not modify the lens, goggle, goggle frame, mask, strap or any other part of the goggle system. Modifying the goggle system may void the warranty and can lead to serious injury.*



WARNING: Wear the DYE® i3™ Goggle System with the mask and strap assembly properly attached. The goggle strap is not an ear protector.

WARNING: Check the lens before and after each use, and replace the lens immediately if you observe any cracks. Replace the lens immediately if it is directly hit with a paintball from a distance of ten feet (three meters) or less.

WARNING: Replace the lens after it has been in use for one year.

WARNING: Each DYE® i3™ Goggle lens is factory treated with a coating to retard fogging. Do not apply anti-fog treatments to any DYE® i3™ Goggle lens. No treatment can prevent fogging under all conditions. Fogging may occur.

WARNING: Use only genuine DYE® i3™ Goggle lenses in the DYE® i3™ Goggle system.

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What's In the Box

THIS BOX CONTAINS:

- One DYE i3™ Goggle System or One DYE Pro i3™ Goggle System*
- Owner's Manual
- Goggle Bag



DYE i3 Goggle System

- 1 Visor
- 2 Lens
- 3 Lens Frame
- 4 Strap Assembly
- 5 Tri Mold Mask



DYE Pro i3 Goggle System

- 1 Visor
- 2 High Definition Lens
- 3 Lens Frame
- 4 Strap Assembly
- 5 Tri Mold Mask
- 6 Soft Flexible Earpiece

*This box contains either the DYE i3™ Goggle System or the DYE Pro i3™ Goggle System depending on which goggle system you purchased.

Getting Started

Paintball is an adventure sport. Even when paintball is played as intended you can get hurt. No goggle system can prevent serious injury in all situations.

The DYE® i3™ Goggle system is intended for use by paintball players participating in a supervised game of paintball with competent referees at a paintball facility where each paintball marker is chronographed before each game and paintball velocity is limited to 300 feet per second (92 meters per second) or less.

If any portion of this manual is unclear, or if you are unable to obtain satisfactory answers to any question from your dealer, contact DYE® at (858) 536-5183 or visit www.dyepaintball.com

- Remove the owner's manual and read it.
- Remove protective film from the lens.
- Perform a safety check on the entire system (page 9).
- Remove eyeglasses or sunglasses.
- Put the goggle on.
- Adjust to fit snugly (page 10).



WARNING TO LAW ENFORCEMENT, MILITARY AND GOVERNMENT CUSTOMERS:

Do not use the DYE® i3™ Goggle system with simunitions. Contact DYE® technical support to discuss special applications.

Safety Check

WARNING: *The DYE® i3™ Goggle System suffers wear and stress even in normal use. Scratches, cracks and discoloration are signs of stress-caused fatigue and indicate that a part is at the end of its useful life and needs to be replaced.*

Here's a simple, sixty-second safety check. Get in the habit of making this safety check every time you're about to play paintball.

Before each use, perform a safety check.

- 1 Look for scratches on the lens and goggle frame.
- 2 Look for cracks on the lens and goggle frame.
- 3 Look for discoloration on the lens and goggle frame.
- 4 Do not use a lens that is scratched, cracked or discolored.
Replace the lens immediately.
- 5 Make sure that the lens is securely attached to the goggle frame and that all lens lock tabs are flush to the goggle frame.
- 6 Make sure that the strap is securely attached to the frame (right and left).
- 7 Make sure the sliding adjustment clips on the strap are not cracked or broken.
- 8 Make sure that the mask is securely attached to the goggle frame.
- 9 If you use the visor, make sure that the visor is securely attached to the goggle frame and mask.

Fitting

WARNING: *If your goggle system does not fit properly, it may fall off. Do not use a goggle system that does not fit snugly.*

The DYE® i3™ Goggle System is not intended for use with eyeglasses.

- After you have performed the safety check of the entire goggle system, put it on.
- The goggle must fit firmly on your face so that it will not move.
- Check for gaps between the foam on the goggle frame and your face. The goggle must create a seal with your face.
- If there are any gaps, the strap is too loose.
- Remove the system from your head and shorten the strap by moving the two slides evenly apart. The two slides on the goggle strap have teeth to retard slipping. These teeth prevent proper adjustment while the system is snugly on your head.
- Put the system on and again check for gaps.
- If there are no gaps but the system feels too tight, remove the system from your head and move the two clips evenly together.

Cleaning

WARNING: *Clean only with plain water. Chemical cleaners (Windex, 409, Simple Green, etc.) contain alcohol and detergents which can weaken the lens and goggle.*

Lens Cleaning

Clean your goggle immediately (same day) after each use or whenever they are dirty or covered with paint. Please follow the lens cleaning instructions carefully to preserve the life of your lens.

Remove the lens from the goggle frame for proper cleaning.

Fog Resistant Single Lens

Gently clean both sides of the lens with clear water and a cotton cloth. Dry the lens with a clean soft cotton cloth. Do not excessively rub the inner lens surface, it will remove the fog resistant coating.

Thermal Double Lens

Gently clean the outside of the lens with clear water and a cotton cloth. Gently dry the outside of the lens with a clean cotton cloth. Dab the inner lens with a damp cotton cloth. Do not rub the inner lens surface. The inner lens surface scratches very easily.

Cleaning Continued

Reminders

- Don't use cleaning solutions other than clear water. Windex, 409, or other household cleaners may damage the lens.
- Don't use paper towels. They scratch the lens.
- Don't immerse the goggle frame in water.
- Don't immerse the inner lens of a double lens in water.
- Don't rub the lens too hard. Both sides of the lens have a protective coating that can be rubbed off.
- If paint or debris remain on the goggle after cleaning, you may have to remove the lens for thorough cleaning. Follow the instructions for lens removal (pages 14.15) and installation (page 17).

Mask Care

The mask may be rinsed with a hose or immersed in water, but only AFTER removing the mask from the goggle frame. Dry the mask with a soft cotton cloth. Do not dry the mask in direct sunlight.

Strap Care

Wipe paint off the strap with a damp cotton cloth. Do not wash the strap in a washing machine. If the strap is severely stained, replace it.

Storage

WARNING: Never store the DYE® i3™ Goggle system in areas that may have chemical fumes. Gasoline, kerosene, alcohol and other chemicals and fumes will weaken the lens and goggle.

WARNING: Never store your DYE® i3™ Goggle system in areas of extreme heat or cold. Temperature extremes will damage the lens and the goggle. Store your goggle in a cool, well-ventilated place.

- Store your goggle in a cool, well-ventilated place free from any kind of industrial or household fumes.
- Do not store your goggle with dirty lenses or frames.
- Do not allow a dirty goggle to sit overnight without cleaning.
- Do not expose your goggle frame or lens to harmful household or industrial fumes.
- Do not store your goggle in plastic garbage cans, garbage bags, or any plastic container.
- Do not store your goggle in the trunk of your car.
- Do not store your goggle in direct sunlight or near heaters, stoves or other heat sources.

Removing the Lens

[Lens replacement is easier if the visor is first removed from the goggle frame.]

Tip: Replace your lens at least once each year. Factory applied protective coatings on each lens surface will wear off even with gentle cleaning.

Remove the Visor

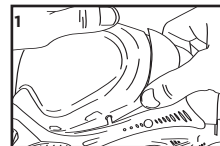
Remove the center post from the goggle frame by pulling up on the visor and pushing the post upward from the inside.

Remove the two side posts by carefully pulling on the visor and pushing one post at a time up from the inside.

[The mask may be removed from the goggle frame with the visor still attached to the mask at the two side posts.]

Remove the Mask

- 1 Remove the top right mask post from the goggle frame.
- 2 Move clockwise around the mask, removing the posts one at a time.
- 3 Grasp the strap retainer with your right hand and tilt it straight upward.
- 4 Twist the strap retainer firmly to remove it. [See figure 1]
- 5 Slide the strap retainer through the mask.
- 6 Repeat steps 3-5 for the other side.



WARNING: Use only your hands when changing DYE® lenses. Use of tools is likely to scratch or damage the lens.

Remove the Lens from Goggle Frame

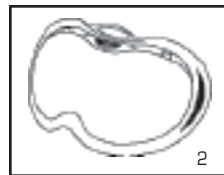
- 1 Start at the top center with logo.
- 2 Using your thumbs, push upward and peel the top of the goggle frame off the top lens tab.
- 3 Roll the goggle frame up and over the forward retention lens tabs.
- 4 Still using your thumbs, remove the goggle frame from the top two tabs on the right.
- 5 Grasp the goggle frame at the right side, hold the lens carefully with your other hand, and pull the goggle frame out of the bottom two tabs.
- 6 Continue with the nose tabs, the bottom two tabs and finally the top two tabs.
- 7 Continue rolling the goggle frame off the retention tabs until the lens is free from the frame.

Installing the Lens

Tip: DYE® replacement lenses come with a protective film on the inside of the thermal lens. Leave the protective film on during installation. Remove the protective film before use.

Install the lens in the goggle frame.

- 1 Moisten the lens retention tabs with water.
- 2 Grasp lens by top edge with thumb over logo. **[See figure 1]**
- 3 Pinch the nose portion of the goggle frame and insert the two nose tabs, one on each side of the bridge.
- 4 Move to the left and insert the two bottom tabs. Use palm pressure on the bottom of the goggle frame to push in the two bottom left tabs.
- 5 Slide right side of lens into the inner gutter.
- 6 Move to the right of the nose and insert the two bottom tabs. Use palm pressure on the bottom of the goggle frame to push in the two bottom right tabs.
- 7 Slide right side of lens into the inner gutter.
- 8 Move logo piece over the logo without snapping it in. **[See figure 2]**
- 9 Line up remaining tabs to be inserted.
- 10 Apply palm pressure to the two tabs on the left.
- 11 Apply palm pressure to the two tabs on the right.
- 12 Use thumb pressure to insert the logo tab. **[See figure 3]**
- 13 Check that all tabs are completely inserted into the goggle frame. Roll your thumb from the outside of the goggle frame over each tab. Each tab should feel flush with the goggle frame. Tabs may need a final push to completely seat. It's not easy. If it were easy, the lens would come apart.



WARNING: If the lens is not completely seated in hard goggle frame, the lens may separate during use and cause injury.

Attaching the Mask

To attach the mask to the goggle frame:

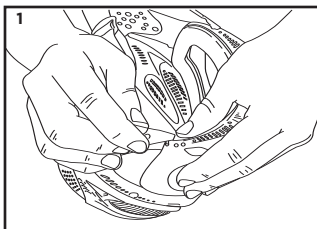
- 1 Hold the goggle in your right hand and the mask in your left hand.
- 2 Insert two tabs on the bottom right.
- 3 Insert the nose tab.
- 4 Insert the two tabs on bottom left. Make sure flap on bottom edge of goggle frame is inside.
- 5 Weave strap through ear pieces.
- 6 Attach the top posts of the mask into the proper holes on the goggle according to your preference, see “Adjusting the Mask”.

Inspect the mask attachment carefully. Make sure that there are no gaps between the mask and the goggle frame.

Adjusting the Mask

The DYE® I3 Goggle System has been designed to be adjustable to accommodate different size faces. Find which adjustment is most comfortable for a sure fit.

- 1 On the top of the goggle frame by the strap retention clips, you will see two larger holes. These holes will allow you to adjust your I3 Goggle System to fit more comfortably on your face. [See figure 1]
- 2 The holes towards the edge of the frame are for a more looser fit around your face.
- 3 The holes towards the center of the frame are for a more close fit around your face.



Changing the Soft Earpieces

- 1 Start out with the goggle frame completely removed from the mask and strap assembly. [See figure 1]



- 2 Push the strap assembly through the ear section of the mask.
- 3 Push the strap assembly through the soft earpiece. [See figure 2]



- 4 Using a flat head screwdriver, unscrew the earpiece retention screw in the recessed area of the mask. [See figure 3]

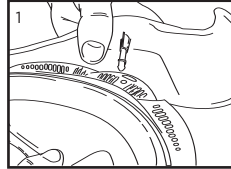
This will free the soft earpiece from the mask. Do not lose the screw.



- 5 Next, attach the new earpiece in the same position and follow steps 2-4 in reverse order.
- 6 Finally, attach the goggle frame to the mask and reassemble the strap assembly to the goggle frame.

Attaching the Visor

- 1 Moisten the ends of the visor posts.
- 2 Push the left visor post into the round hole on the left side of the mask.
- 3 Push the right visor post into the hole on the right side of the mask.
- 4 Push the center post of the visor through the center hole in the top of the goggle frame until it reaches the first stop ring. **[See figure 1]**
- 5 The visor can be adjusted by pushing the center post to the second stop ring.



Note: The gap between the visor and the top of the goggle frame is normal.

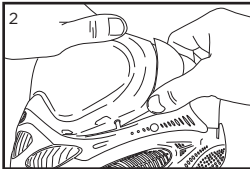
Changing the Strap

The strap is easily removed from the goggle frame. In ordinary use and maintenance, it is necessary to remove the strap from the goggle frame. The lens may be changed with the strap still attached to the goggle frame. The goggle frame may be cleaned with the strap attached to the goggle.

Tip: Strap removal and installation is much easier when the goggle is at room temperature. The material is not flexible when it is cold.

Remove the Strap

- 1 Hold the mask firmly in your left hand.
- 2 Grasp the strap retainer with your right hand and tilt it straight upward.
- 3 Twist the strap retainer firmly to remove it. **[See figure 2]**



Changing the Strap Continued

Install the Strap

WARNING: The right and left strap attachment clips are not the same. The back of each clip is marked either "L" for left, or "R" for right. Make sure that the Dye logo on the strap faces up. When properly installed the top of the strap attachment clip is flush with the top of the goggle frame. It is much easier to install the strap clip into the goggle frame if the lens is already in the goggle frame.

- 1 With the strap lying in the palm of your hand, hold the strap clip between thumb and forefinger.
- 2 Moisten the bottom tab on the strap clip.
- 3 Insert the top tab of the strap clip into the slot on the goggle frame.
- 4 While pushing upward on the top of the strap clip, push the lower part of the strap clip into the goggle frame.
- 5 Look inside the goggle frame and confirm that both ends of the strap retaining tab are completely through the goggle frame.
- 6 Tug the strap firmly to ensure that the tabs are seated.

Note: It is not easy to install the strap clip into the goggle frame.

DYE Limited Warranty

DYE Precision, Inc. warrants that your DYE® i37™ goggle system will be free from defects in materials and workmanship for one (1) year from the date of original retail purchase.

Any product determined by DYE® to be defective in materials or workmanship in accordance with the above warranty will be repaired or replaced, at the option of DYE®, free of charge when received at the factory freight prepaid, together with proof of purchase.

This warranty is expressly in lieu of all other warranties. Any implied warranties of merchantability or fitness for a particular purpose are limited to the same duration as this express warranty.

This warranty does not cover incidental or consequential damages. DYE® shall not be liable for any incidental or consequential damages. Some states do not allow the exclusion or limitation of implied warranties, incidental or consequential damages, so the above limitations and exclusions may not apply to you.

This warranty does not cover any problem resulting from misuse, abuse, neglect, alteration, failure to perform maintenance as instructed, unauthorized repair or service, or damage caused by contaminants.

This warranty does not cover any representation or warranty made by Dealers beyond the provisions of this warranty.

This warranty does not cover costs incurred for normal repair, inspection and preventive maintenance.

You must establish proof of purchase to obtain warranty service or replacement.

You may establish proof of purchase by completing the Warranty Registration Card and mailing it to DYE®.

This warranty gives you specific legal rights, and you also have other rights which vary from state to state.

If you have any questions about your DYE® product, please call
DYE Precision, Inc. at (858) 536-5183 or visit **www.dyepaintball.com**



INVISION³
TRI MOLD SOFT FLEX TECHNOLOGY™



Dye Precision, Inc. U.S. Patent # 6,886,183.

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