



AIRLITE® SPC, SWIMMER

OPERATOR'S MANUAL

This manual must be carefully read by all persons who have or will have the responsibility for using or maintaining this product.

Any warranties made by Crye Precision LLC with respect to this product are voided if the product is not used and maintained in accordance with the instructions in this manual. For any questions relative to the use or repair of this product, please write Crye Precision LLC or call **1-718-246-3838** during regular business hours.

 WARNING

The following are general safety warnings intended to call attention to fundamental performance limitations and areas of the product where proper usage must be followed. Failure to use and maintain the product according to the instructions and warnings contained herein may result in the product failing to perform as designed, and/or the persons relying on this product sustaining serious personal injury and/or death.

- | | |
|---|--|
| <ul style="list-style-type: none">• The external armor carrier offers no ballistic protection on its own and <u>must</u> be worn in conjunction with ballistic inserts <u>in order for</u> it to protect the wearer from ballistic threats.• Holes or cuts in the external armor carrier may be indicative of damage to ballistic inserts. Inspect and replace damaged ballistic inserts immediately.• Check the external carrier for conditions that could prevent the operation of emergency-doff systems. Carefully adhere to assembly instructions in this manual.• The external armor carrier is not flame resistant unless specified elsewhere in this manual.• Ballistic inserts that show no signs of damage <u>must</u> be replaced 5 years from date of purchase. | <ul style="list-style-type: none">• DO NOT machine wash or dry clean the product. Exposure to detergents, bleach, or solvents may result in degradation and reduce the effectiveness of the product.• Inspect the product for discoloration, cuts, tears, abrasions or cracks before and after each use.• DO NOT alter the product in any way.• DO NOT expose the product to open flame or excessive heat.• All replacement parts must be acquired from Crye Precision LLC or a licensed distributor.• The most current version of this manual may be found at www.cryeprecision.com.• DO NOT use this product except in its intended manner. |
|---|--|

CONTENTS

EQUIPMENT INFORMATION

INTRODUCTION	1
SYSTEM COMPONENTS	2

COMPONENT DESCRIPTIONS

AIRLITE® SPC, SWIMMER	5
AIRLITE® STRUCTURAL CUMMERBUND.....	6
AIRLITE® DETACHABLE FLAP, MOLLE.....	6

OPERATOR INSTRUCTIONS

INSTALLING AND ADJUSTING AIRLITE® STRUCTURAL CUMMERBUND.....	9
INSTALLING BALLISTIC PROTECTION.....	11
ADJUSTING RIDE HEIGHT (SHOULDER STRAPS).....	12
DONNING AND DOFFING.....	13
EMERGENCY DOFFING PROCEDURE	14

OPTIONAL COMMON ACCESSORIES

3-BAND SKELETAL CUMMERBUND	17
FRONT PANEL (AIRLITE® DETACHABLE FLAP, MOLLE).....	18
6" X 6" SIDE POUCH (AIRLITE® STRUCTURAL CUMMERBUND).....	19
LVS™ 6" X 6" / 6" X 9" TACTICAL SIDE CARRIER SET	21
6" X 6" SIDE POUCH (FRONT CARRIER ATTACHMENT)	22
AVS™ 6" X 6" / 6" X 9" SIDE ARMOR CARRIER SET	23
OTHER SIDE ARMOR CARRIERS	24
AIRLITE® CHEST RIG	25
AIRLITE® RADIO POUCH	26
ZIP-ON PANEL (MOLLE, POUCH, AND PACK)	27
SIDE PULL MAG POUCH.....	28

CARE INSTRUCTIONS	30
-------------------------	----

INTRODUCTION

The **AIRLITE® SPC (STRUCTURAL PLATE CARRIER), SWIMMER** offers all the lightweight mobility of our **JPC™** while allowing the structural load support of our **AVS™ & CPC™**. At just over one pound for the entire carrier, the **AIRLITE® SPC, SWIMMER** is an ideal choice for all environments including maritime. It pairs with our patented **AIRLITE® STRUCTURAL CUMMERBUND** system that allows pouches to be mounted on both the inside and outside of the cummerbund. Also our **SPS POUCHES** can simply slide onto the cummerbund without "molle-ing" them. The **AIRLITE® SPC, SWIMMER** is compatible with our **EXTENDABLE SIKSS™** to reduce the load on the shoulders and back. The **AIRLITE® SPC, SWIMMER** sheds unnecessary weight and bulk while improving overall ventilation.

FEATURES

- Made from **AIRLITE®**, our patented lightweight, strong, water-shedding material.
- Easy 2-step emergency doffing capability
- Continuous 3D mesh interior panels for maximum comfort and ventilation
- Compatible with our zip-on panels (for use with sizes SMALL and MEDIUM only)
- Compatible with all our removable front flaps
- Vertical webbing loops on front carrier to support detachable chest rigs
- Quick attach side loops for add-on ballistic coverage
- Groin protection attachment points
- **VELCRO®** loop on back carrier for patches
- Loops on the back of the shoulder straps to support small packs such as our **AVS™ 1000** pack.
- Vertical adjustment slots in rear allows for multiple height position of cummerbund
- Low-profile cummerbund attachment allows chest expansion and provides maximum sizing range.



NOTE: Compatible with other front flaps and cummerbunds. Check website for compatibility.

- ① AIRLITE® SPC, SWIMMER
- ② SHOULDER STRAPS
- ③ AIRLITE® STRUCTURAL CUMMERBUND (SOLD SEPERATELY)
- ④ AIRLITE® DETACHABLE FLAP, MOLLE (SOLD SEPERATELY)

COMPONENT DESCRIPTIONS

COMPONENT DESCRIPTIONS

Vests are shown disassembled to depict the separate components. Images are not shown to scale.

FRONT CARRIER

The front carrier expands to accommodate a wide range of armor thicknesses (1/4" through 1-1/4"). Stretch shoulder covers open for cord management. VELCRO® front panel allows the attachment of AIRLITE® DETACHABLE FLAP, MOLLE or AVS™ detachable MOLLE or mag panels. Side attachment loops allow for attaching 6" X 6" plate pouches. Padded ventilation panel on the inner surface for comfort.



REAR CARRIER

The rear carrier expands to accommodate a wide range of armor thicknesses (1/4" through 1-1/4"). Attachment cutouts on outer surface of vest. Side attachment loops allow for attaching 6" X 6" plate pouches. Padded ventilation panel on inner surface for comfort.

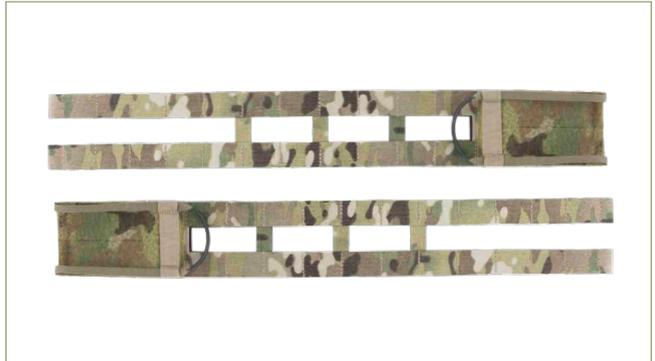


AIRLITE® STRUCTURAL CUMMERBUND

(SOLD SEPERATELY)

The lightweight semi-rigid structure is compatible with our **EXTENDABLE STKSS™** to fully support the weight of the **SPC™**.

Pouches can be mounted on the inside or outside of the cummerbund. Our **SPS POUCHES** can simply slide directly over it. Elastic mounting cords are included (not pictured).



AIRLITE® DETACHABLE FLAP, MOLLE

(SOLD SEPERATELY)

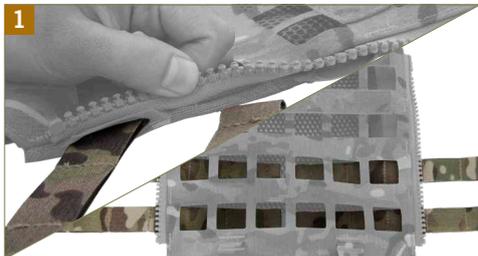
Accepts all MOLLE style pouches while securing the cummerbund.



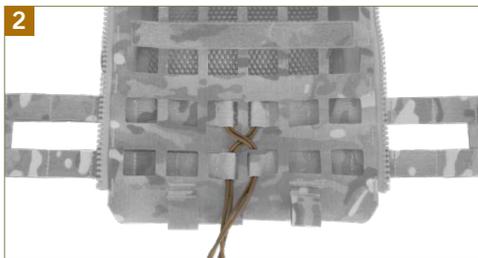
OPERATORS INSTRUCTIONS

INSTALLING AND ADJUSTING AIRLITE® STRUCTURAL CUMMERBUND

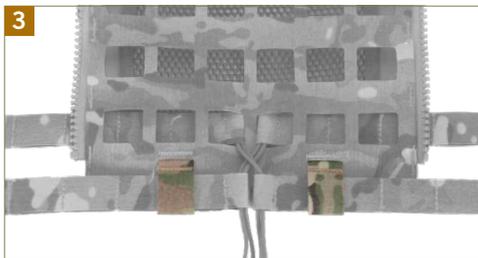
To install and adjust the **AIRLITE® STRUCTURAL CUMMERBUND**, perform the following steps:



Lay the rear carrier flat as pictured. Insert the cummerbund ends behind the zipper through the openings in the side of the carrier. Feed the ends through the openings and push toward the center of the carrier. Ensure that the loop panels of the cummerbund are facing away from wearer. Repeat the same process for the other side.



Using the included elastic cord, weave together the ends of the **AIRLITE® STRUCTURAL CUMMERBUND** from top to bottom in a zigzag pattern.



If lower placement is desired, the cummerbund may be moved down one row and routed through lower loops located at the bottom of the carrier.



Tie a knot in the elastic cord to secure the weave. The extra slack of the elastic cord can be tightened or loosened in order to accommodate personal preference. Pull the cummerbunds apart to ensure the weave and knot are secure.



If additional cummerbund size is required, the cummerbund ends can be tied to the MOLLE panel in a similar zigzag weaving pattern, as pictured. A second set of elastic cord is included for this configuration.

INSTALLING BALLISTIC PROTECTION

To install ballistic protection, perform the following steps:



Lay the carrier flat as shown. Open the bottom edge of the plate pocket.



Insert ballistic protection. **AIRLITE® SPC, SWIMMER** supports up to 1-1/4" plates. If inserting plates, the concave side of the plate should be facing towards body when the vest is worn. Insert soft armor behind the plate (between plate and body) if non-standalone plates are being used.



Secure plate into position by closing bottom edge of the carrier. Repeat for the other carrier.

ADJUSTING RIDE HEIGHT (SHOULDER STRAPS)

To adjust the ride height of the AIRLITE® SPC, SWIMMER, perform the following steps:



The vertical position of the ballistic plates (ride height) is set by adjusting the length of the shoulder straps. To change the ride height, begin by removing the shoulder cover.



For a lower ride height, detach the straps and reattach them so that they are farther apart. Repeat for the other shoulder strap. Try on the vest to check for the proper plate height and vest comfort. Once satisfied with the adjustment, replace the shoulder cover.



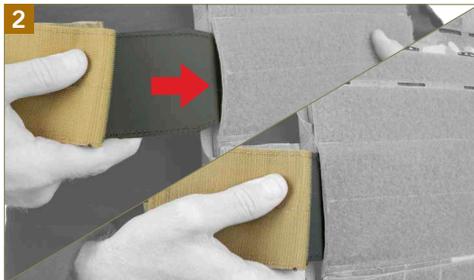
For a higher ride height, detach the straps and reattach them so that they are closer together. Repeat for the other shoulder strap. Try on the vest to check for proper plate height and vest comfort. Once satisfied with the adjustment, replace the shoulder cover.

DONNING AND DOFFING

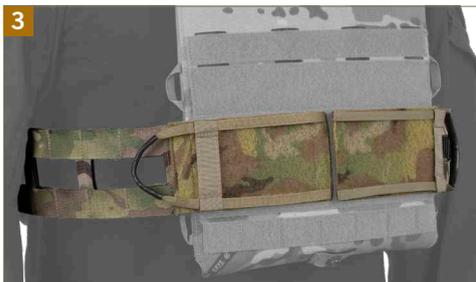
To don and doff the AIRLITE® SPC, SWIMMER perform the following steps:



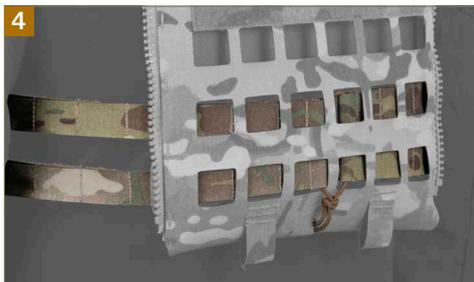
Place the vest over head, centering both front and back panels on the body. Ensure that the vest feels secure and fits comfortably. If adjustments are required, see previous page.



If using AIRLITE® STRUCTURAL CUMMERBUND, insert tip of cummerbund into channel on carrier behind hook panel.



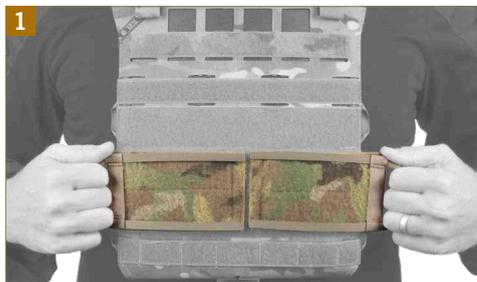
Attach the hook panels of the cummerbund to the loop panels of the front carrier.



If using AIRLITE® STRUCTURAL CUMMERBUND, the elastic cord(s) should stretch under some tension to ensure that the cummerbund will not shift during movement.

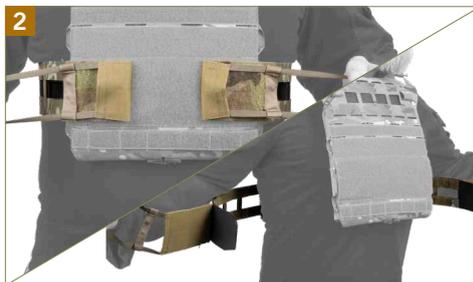
EMERGENCY DOFFING PROCEDURE

To emergency doff the AIRLITE® SPC, SWIMMER, perform the following steps:



Grab the cummerbund handles along each side of the front carrier.

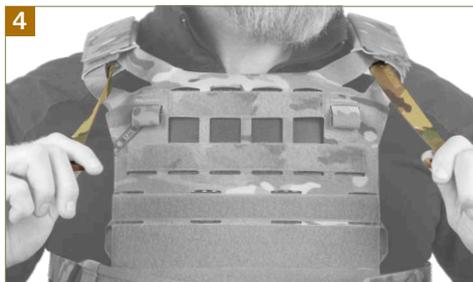
NOTE: While best to pull both sides, simply pulling one cummerbund handle and the corresponding shoulder toggle is generally all that is required for the vest to fall away.



Pull out and away, releasing the cummerbund from the carrier.



Grab the toggles on one or both shoulder straps on top of the front carrier.



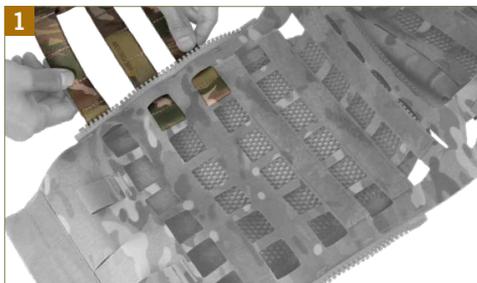
Pull in a downward motion, peeling the front shoulder straps away from the back, releasing the front carrier from the back carrier.

NOTE: While best to pull both sides, simply pulling one cummerbund handle and the corresponding shoulder pull is generally all that is required for the vest to fall away.

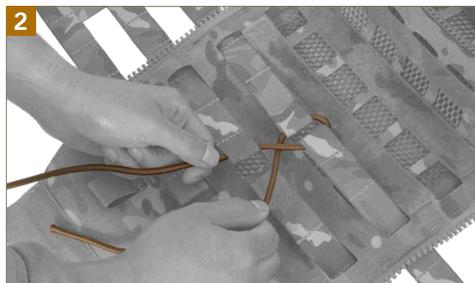
OPTIONAL COMMON ACCESSORIES

3-BAND SKELETAL CUMMERBUND

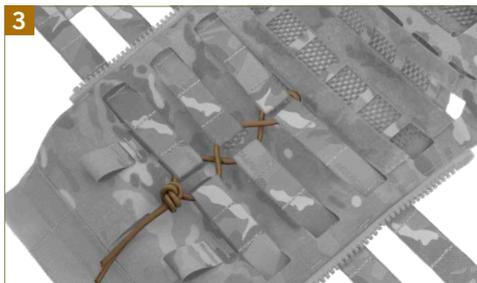
AIRLITE® SPC, SWIMMER is compatible with the 3-BAND SKELETAL CUMMERBUND, installation is shown below.



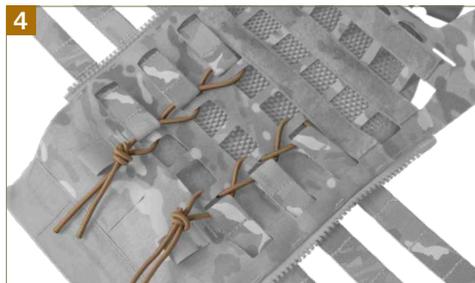
1 Lay rear carrier flat as shown. Insert cummerbund ends through three openings near the side edges of the carrier. Ensure that loop panels of cummerbund are facing up. Repeat for other side.



2 Using included elastic cord, weave together the ends of the 3-BAND SKELETAL™ CUMMERBUND from the top to the bottom in a zigzag pattern.



3 Tie a knot in the elastic cord to secure the weave. The extra slack of the elastic cord can be tightened or loosened to accommodate personal preference. Pull the cummerbund apart to ensure that the weave and knot are secure.



4 If additional cummerbund size accommodation is required, the cummerbund ends can be tied to the MOLLE panel (as pictured) in a similar weaving zigzag pattern. A second elastic cord is included for this configuration.

FRONT PANEL (AIRLITE® DETACHABLE FLAP, MOLLE)

AIRLITE® SPC, SWIMMER is compatible with AVS™ front panels. The AIRLITE® DETACHABLE FLAP, MOLLE installation is shown below.



Flip the panel over and place it over the front of the carrier. Route all four attachment straps through the cut slots above the main loop panel on the front platebag and pull the straps out of the bottom cut slots.



Fold the flap ends back over to mate with the hook on the platebag.



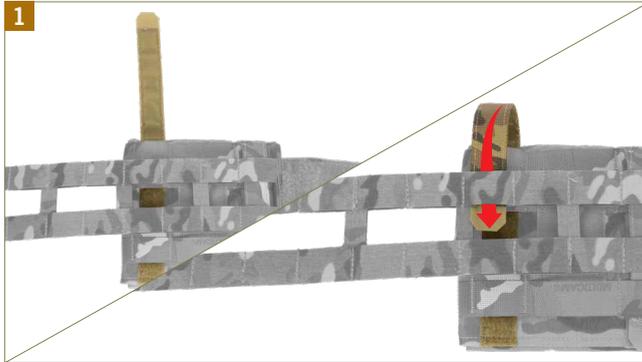
Close the slip pocket and flip the panel over to lay flat on the platebag.



Completed installation. The panel can be secured using button tab on bottom edge of the platebag.

6" X 6" SIDE POUCH (AIRLITE® STRUCTURAL CUMMERBUND)

To install the 6" X 6" SIDE POUCH to the AIRLITE® STRUCTURAL CUMMERBUND, perform the following steps:



Lay the cummerbund flat as shown. Position the side plate pouch under the cummerbund. Ensure that the pouch opens towards the bottom edge of cummerbund. The pouch can be installed at any desired location along the AIRLITE® STRUCTURAL CUMMERBUND.



Weave the pouch's hook strap back and forth through the webbing openings of the cummerbund and the webbing of the pouch to secure.

NOTE: Weaving the strap between the two layers of the cummerbund retains the ability to attach additional MOLLE items on the outside of the cummerbund.

TIP: It may be helpful to twist the straps over while weaving them through the webbing. This will prevent the hook and loop panels from catching until the strap is in its upright position.



To install ballistic protection, turn over the cummerbund with the pouch installed and open the plate pocket. Insert ballistic protection and close the pocket.



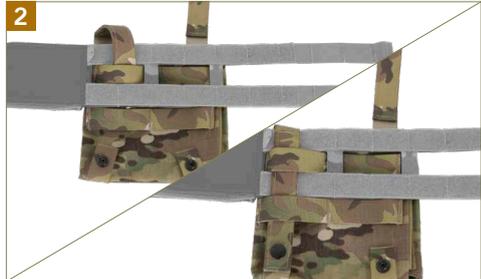
Don the vest to check that the side pouch is securely fastened to the cummerbund. Ensure that the placement of the pouch is correct. Make any necessary adjustments. Repeat for the other side of vest if desired.

LVST™ 6" X 6" / 6" X 9" TACTICAL SIDE CARRIER SET

To install the LVST™ 6" X 6" / 6" X 9" TACTICAL SIDE CARRIER SET to the AIRLITE® STRUCTURAL CUMMERBUND, perform the following steps:



1 Place cummerbund on pouch, as shown.



2 Weave straps in over-under fashion.



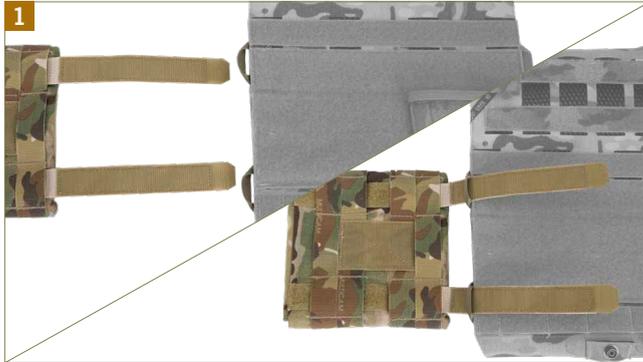
3 Complete this for all straps and snap tabs at end of straps.



4 Completed set up.

6" X 6" SIDE POUCH (FRONT CARRIER ATTACHMENT)

To install the 6" X 6" SIDE POUCH to the AIRLITE® SPC, SWIMMER perform the following steps:



Lay the front carrier flat as shown. Open the front flap of the carrier. Locate the two webbing loops on the side edge of the carrier. Position the side pouch so that the straps face toward the attachment loops. Open the straps of the side pouch and insert them through the loops as shown.

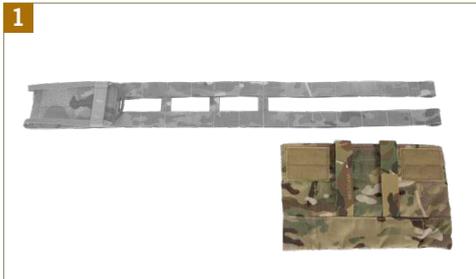


Secure the pouch to the loops by weaving the straps through the webbing on the pouch. Secure the straps to the hook and loop panels.

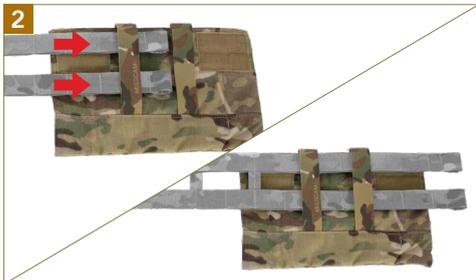
TIP: It may be helpful to twist the straps over while weaving them through the webbing. This will prevent the hook and loop panels from catching until the strap is in its upright position.

AVS™ 6" X 6" / 6" X 9" SIDE ARMOR CARRIER SET

To install the AVS™ 6" X 6" / 6" X 9" SIDE ARMOR CARRIER SET to the AIRLITE® STRUCTURAL CUMMERBUND, perform the following steps:



Lay cummerbund and pouch (with webbing and hook) face up.



Slide cummerbund under vertical pouch webbing.

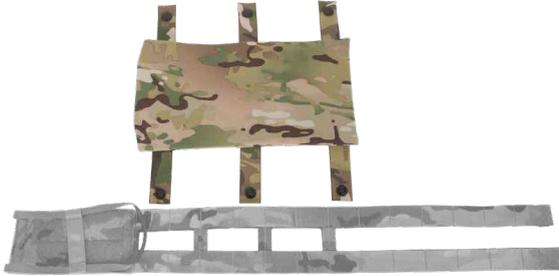


Slide pouch to desired position and mate loop on back of cummerbund with hook on side armor pouch.

OTHER SIDE ARMOR CARRIERS

To install other side armor carriers perform the following steps:

1



Attach side armor carriers using the attachment means included with the carrier.

2



The carrier can be installed anywhere along AIRLITE® STRUCTURAL CUMMERBUND.

AIRLITE® CHEST RIG

To install a AIRLITE® CHEST RIG to the AIRLITE® SPC, SWIMMER, perform the following steps:



Connect front of chest rig to front of vest using quick release buckles.



Connect waist strap.



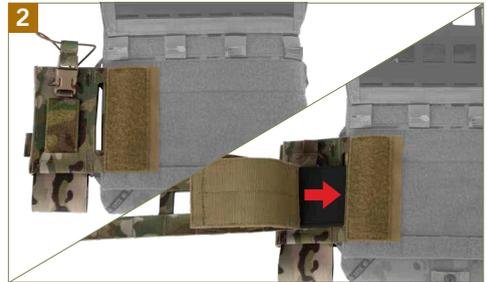
Completed set up.

AIRLITE® RADIO POUCH

The AIRLITE® RADIO POUCH requires the use of the front flap. Perform the following steps to install the pouch:

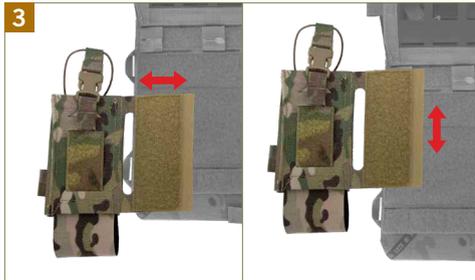


Lift front flap of carrier and find approximate position of where you want your pouch.

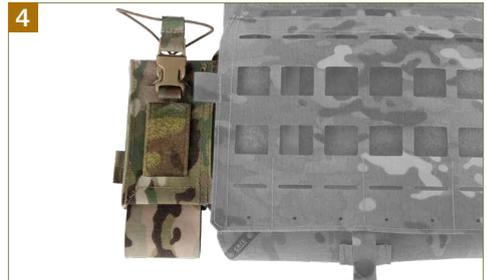


Place radio pouch on main loop body of carrier.

NOTE: If using the SPC™ place open slot of radio pouch over opening for structural cummerbund.



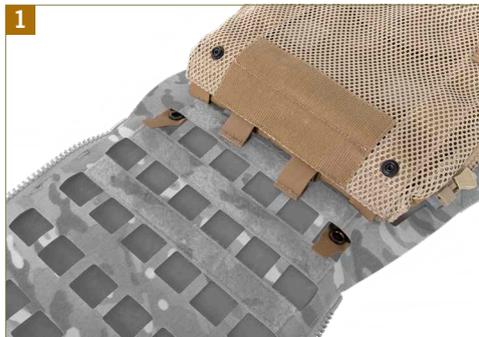
Pouch can be adjusted horizontally or vertically for comfort.



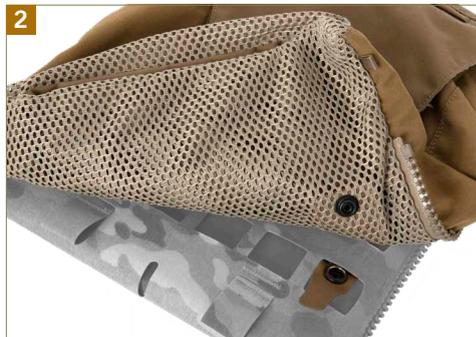
Close front flap.

ZIP-ON PANEL (MOLLE, POUCH, AND PACK)

Three zip-on panels are available for use with the AIRLITE® SPC, SWIMMER: MOLLE, pouch, and pack zip-on panels (for use with sizes SMALL and MEDIUM only). The pack zip-on panel is shown below.



Flip the zip-on panel over and place it in front of the back carrier. Weave the straps through the MOLLE webbing. Repeat for the two straps on the top and bottom.



Make sure to snap the straps into place.



Align the zipper and slide it all the way down on the back carrier. Repeat for the zipper on the other side.



The zip-on panel should now be set securely in place.

SIDE PULL MAG POUCH

Perform the following steps to install the pouch:

1



Insert the side pull mag pouch, aligning the VELCRO® of the pouch with that of the carrier.

2



Close the carrier onto itself, sealing the side pull mag pouch to the carrier.

3



Completed set up.

CARE INSTRUCTIONS

Care instructions must be read prior to each use.

Do not machine wash or dry clean. Remove dirt by using a cloth or soft brush. Hand wash carrier with warm water and cloth or soft brush.

Air dry indoors or in shade. Do not apply iron or any heat to the vest.

ABOUT US

Crye Precision designs and manufactures truly innovative equipment for America's fighting forces. We are proud and honored to serve our customers' needs. We spend as much time as we can with users, continuously incorporating their experience and feedback into the gear. We give them our full support and are indebted to them for their service and their sacrifice. We make uncompromising gear for uncompromising individuals. We work hard to provide smart, high-performance, long-wearing gear for people who demand the best. We make all of our gear in America from American materials. Every item is designed to help you perform better.

WARRANTY

If a defect in materials or workmanship is found in any of our products, we will repair or replace it, free of charge, for the lifetime of the product. This excludes normal wear and tear. Be aware that the customer is responsible for any and all return shipping charges. This applies to the original purchaser and is nontransferable.

BODY ARMOR

It is against Federal Law for a person convicted of a violent felony to purchase or possess body armor. In addition, various states also have laws restricting the purchase or possession of body armor by persons convicted of certain felonies, other crimes of violence, or drug crimes. By purchasing body armor, you acknowledge and certify that (i) you have no felony convictions, (ii) you have not been convicted of any other crime that would restrict your ability to purchase or possess body armor under any Federal or State law, (iii) you do not intend to use the body armor for any criminal purpose and (iv) you are over 18 years old. Crye Precision reserves the right, in its sole discretion, to refuse to sell body armor to any person. Additionally, the sale of body armor to residents of Connecticut is restricted to in-person sales, unless the sale is made to certain law enforcement or military personnel. We require that all orders of body armor be accompanied by a government issued photo identification.

CONTACT INFO

Crye Precision LLC
Brooklyn Navy Yard
63 Flushing Ave Unit 252
Building 128B
Brooklyn, NY 11205

Phone: 1.718.246.3838
Fax: 1.718.246.3833
sales@cryeprecision.com
www.cryeprecision.com

COPYRIGHT

© 2019 Crye Precision LLC. AIRLITE® SPC, SWIMMER and the 'CP' logo are trademarks of Crye Precision LLC.

**SERVING THOSE
WHO PROTECT
FREEDOM™**



CRYE PRECISION.

ALT-EK6