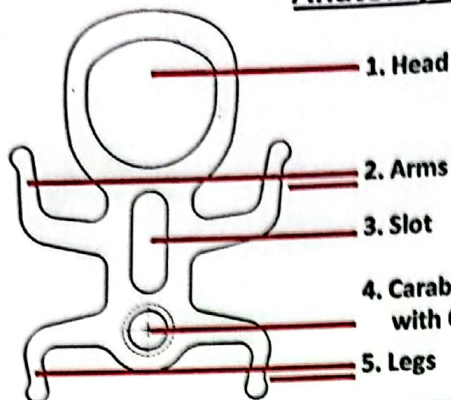


# CRITR3 Rappel Device

## Anatomy of a CRITR3



### WARNING!

- Rappelling and canyoneering are dangerous and carry a substantial risk of serious injury or death.
- It is the user's responsibility to obtain specific training and to follow safe practices. These instructions DO NOT tell you everything you need to know to use the CRITR3.
- Use the CRITR3 with a 8-10mm static Canyoneering rope. When changing ropes, make sure you set the friction for the new rope.
- DO NOT USE this device unless you assume the risks and responsibilities for injuries or deaths that may result when using this device.
- Carefully inspect all your equipment before each use.
- Use backups and belays until a high degree of proficiency in using this device has been developed.
- Proficiency in using this device is only a small part of competency in rappelling and canyoneering.

## INTRODUCTION

The CRITR3 is a rappel device for canyoneering, designed for single or double-strand rappels on 8mm – 10mm static canyoneering ropes. The CRITR3 provides the ability to adjust friction at any time while rappelling. This is especially useful on long free rappels where the rope weight below the device changes significantly from start to finish.

Recommended techniques are shown in the drawings WITHOUT a skull and crossbones. It is impossible to imagine all the ways the CRITR3 can be misused. Uses other than the limited uses shown here are not recommended.

You must keep a hand on the brake side of the rope at all times, or securely lock-off the brake side of the rope (see lock-off drawings).

Contact Imlay Canyon Gear or a competent professional canyoneering instructor if you are unsure how to use this product

## LOCKING CARABINER ATTACHMENT

The CRITR3 is designed for use with 12mm round-stock HMS locking carabiners. We recommend the Black Diamond RockLock Screwgate and the Cypher Iris Screwgate. Always use a LOCKING CARABINER with a round or oval cross-section. Do not use I-beam cross section carabiners – they wear out too fast. Inspect and change out the carabiner when it shows significant wear.

The O-Ring is intended to be tight and hold the carabiner in the correct position. To insert the carabiner, a little water or spit as a lubricant can help get it on. With a new carabiner, the CRITR3 will mostly stay in a good position. With carabiner wear, the O-Ring will be less tight and the CRITR3 will move around to less-desirable positions. If this happens, change to a new carabiner.

If the O-Ring is damaged, contact Imlay Canyon Gear to get a new one. Do not use the CRITR3 with a damaged O-Ring.

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## USE PROTECTIVE EQUIPMENT

Wear a climbing helmet when rappelling and canyoneering

## LEARNING TO USE THE CRITR3

Rappelling is one of the more dangerous activities at height and results in numerous serious accidents each year, even among competent, well-trained persons. Learn and practice how to use the CRITR3 in a controlled environment with a belay. Learn how the device works with different ropes and at different slope angles before using in the field.

Friction varies depending on rope suppleness, diameter, sheath material and condition (wet, dry, dirty, icy, etc.). Test in a safe manner to find the best friction settings for conditions found in the field. Be ready to add more friction if needed when conditions change, such as while progressing down a long rappel.

## ADDING FRICTION

Plan ahead! Add friction early, before speed control becomes a problem. This is especially important on rappels longer than 100 feet (30m). Recovery from losing control is unlikely.

A key feature of the CRITR3 is the ability to easily and safely add a half-step of friction while hanging on the rope – see Position B. Avoid STARTING in Position B.

## START OF RAPPEL INSPECTION

Before weighting the rappel device, check that: the CRITR3 is properly positioned on the carabiner; that the rope goes THROUGH the carabiner; that the carabiner is locked and properly attached to your harness; and that the CRITR3 is properly rigged with the friction setting you intended. This is especially important on rappels with an awkward start.

## DON'T GET STUCK

Before starting, secure all hair, clothing, straps, etc. away from the moving rope and rappel device. The moving rope can pull objects and body parts into the device which will stop your descent and can be extremely painful. Keep your hands at least one hand-width away from the CRITR3. Leaning toward the rope on rappel can bring hair, beards, straps, etc. into contact with the device – don't do that.

## DON'T RAPPEL OFF THE END OF THE ROPE

Use techniques that assure the rope reaches the ground and/or account for the possibility that it does not. As you rappel, locate and pay attention to the location of the end of the rope. In some circumstances, tying a large knot in the end of the rope is a good idea.

## USE BOTTOM BELAYS WHEN APPROPRIATE

Provide a bottom belay ("Fire-fighter's belay") when extra risk is present. This includes on long rappels (>100 feet / 30m), for difficult starts, in the dark, when wearing large packs or if health is compromised (e.g. fatigue, injury, etc.). Provide a bottom belay for beginners and less-experienced rappellers.

## HEAT

The longer and faster the rappel, the more heat will build up in the device. A hot CRITR3 will burn bare skin on contact. Manage the hot device to prevent burns.

## INSPECTION

Inspect your Critr before and after each use. Dirty ropes are abrasive and quickly wear rappel devices and attachment carabiners. Flip the CRITR3 over (reverse sides) often in dirty conditions to spread the wear and reduce formation of sharp edges. Retire the CRITR3 when any part is worn 1/3 of the way through or if sharp edges develop.

Aluminum can be corroded by exposure to salt water or other chemical-rich environments. Wash, soak or generously rinse your aluminum equipment, including the CRITR3, in clean fresh water as soon as possible when using in or near salt water. Retire your device if it becomes corroded.

## LIFETIME

The CRITR3 has no specific lifetime limitations. Retirement is indicated when any part is worn 1/3 of the way through, when sharp edges develop or when corrosion is apparent.

## REPAIRS AND MODIFICATION

Replacement O-Rings are available by contacting Imlay Canyon Gear. No other repairs or modifications are anticipated

## MANUFACTURING INFORMATION

Each CRITR3 has the year and month of manufacture laser-etched on one leg.

Weight: 4.5 ounces (130g)

Height: 5.4 inches (13.7cm)

Width: 3.9 inches (10.0cm)

Fits ropes single strand: 8-10mm

Fits ropes double strand: 8-10mm

Material: 7075-T6 Aluminum

Made in Taiwan



# CRITR3

Rappel Device



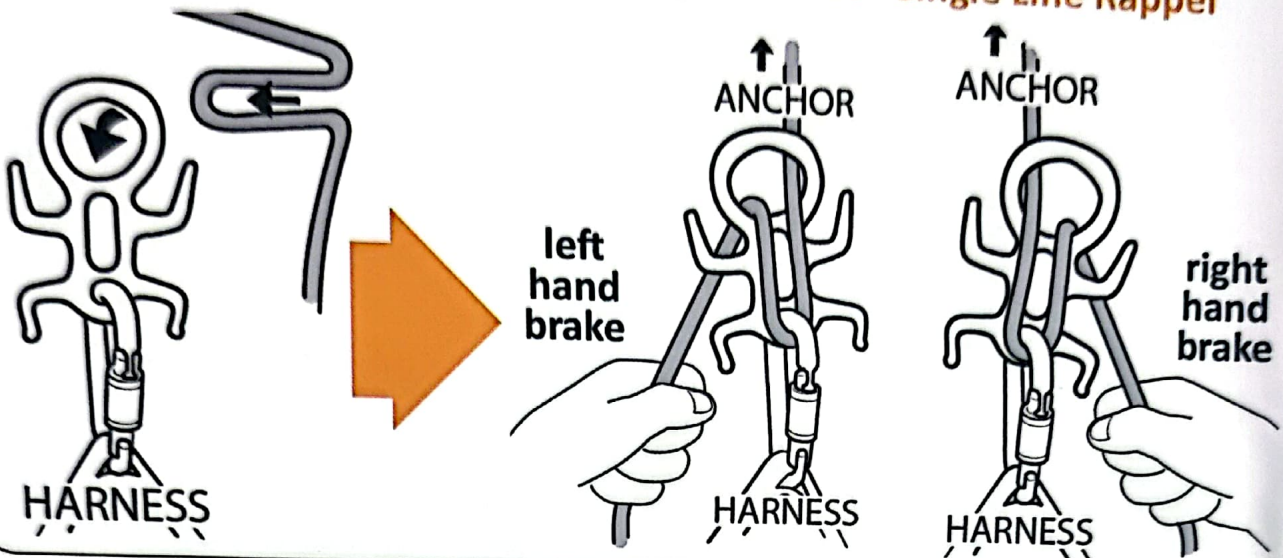
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## WARNING

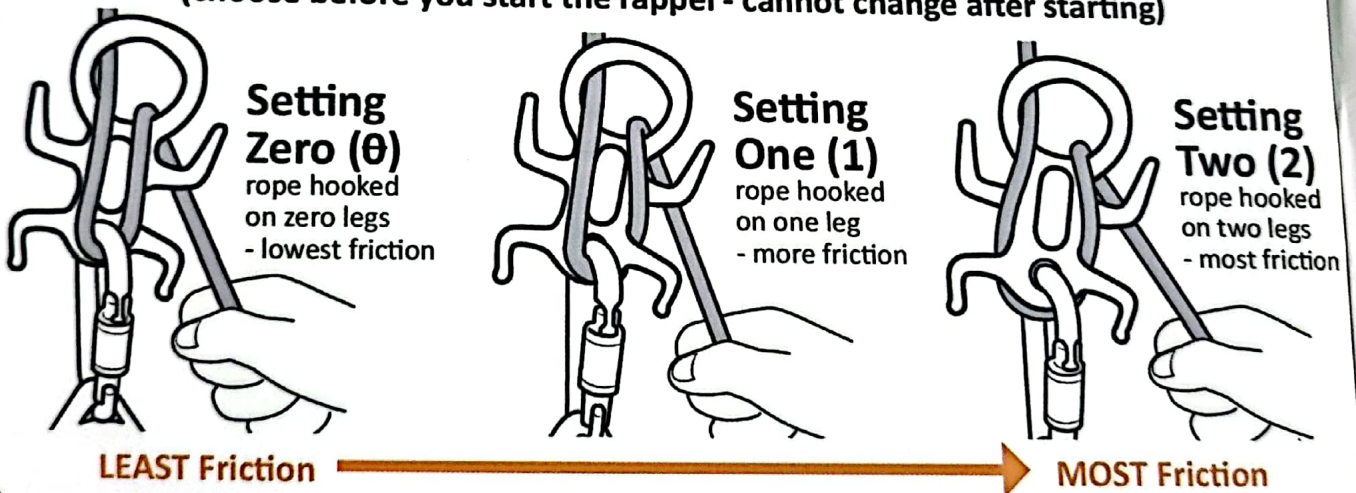
Read all instructions **BEFORE** using the **CRITR3!**

### SETTING UP THE CRITR3 Rappel Device - Single Line Rappel

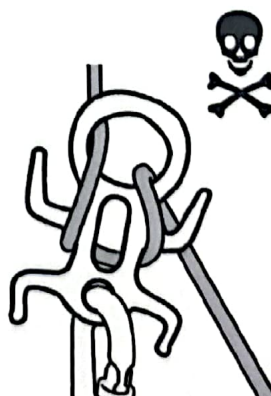
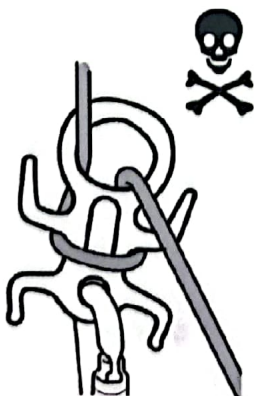


### CRITR3 INITIAL FRICTION SETTINGS

(choose before you start the rappel - cannot change after starting)

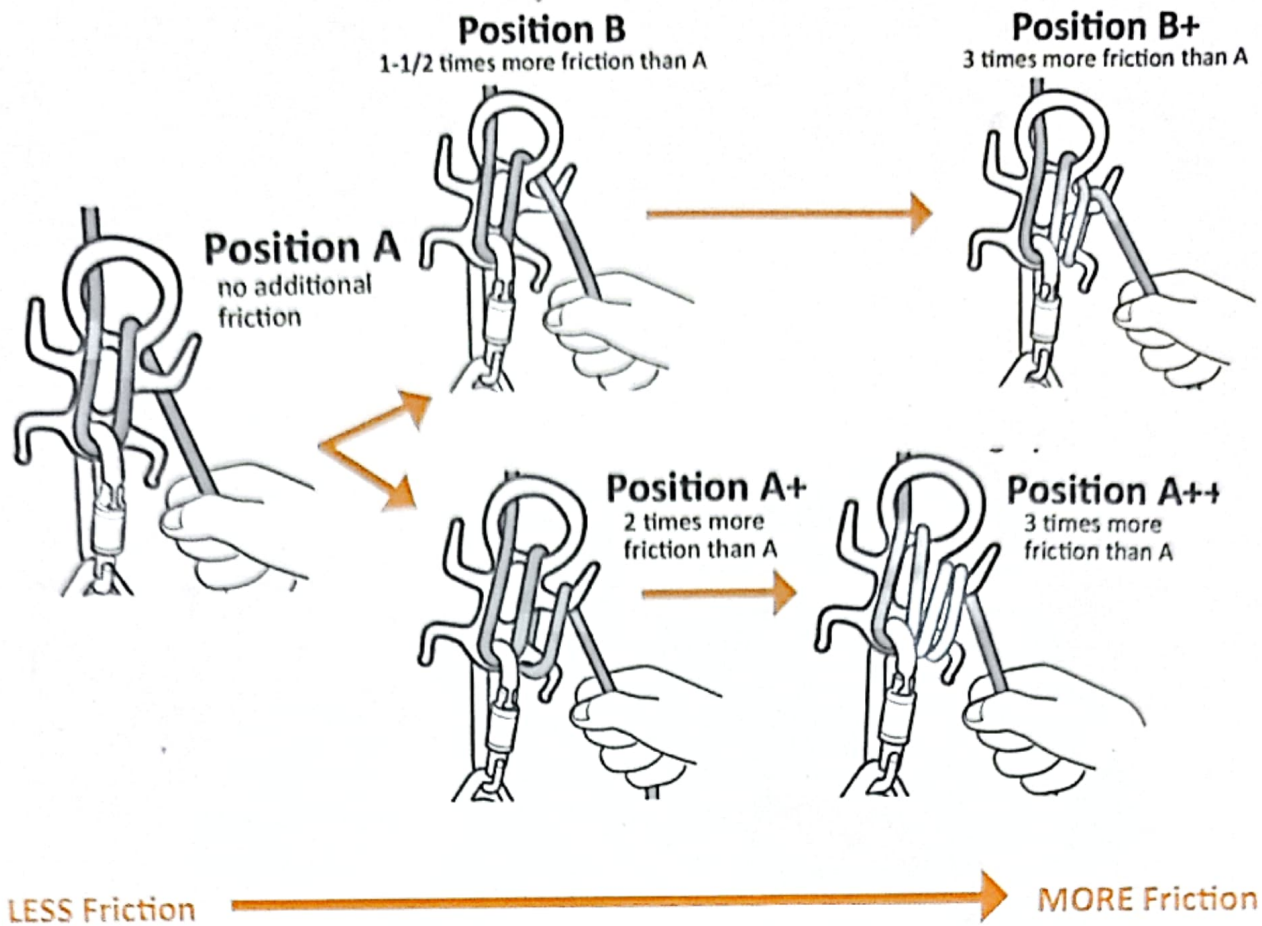


### CRITR3 SET-UP WARNING

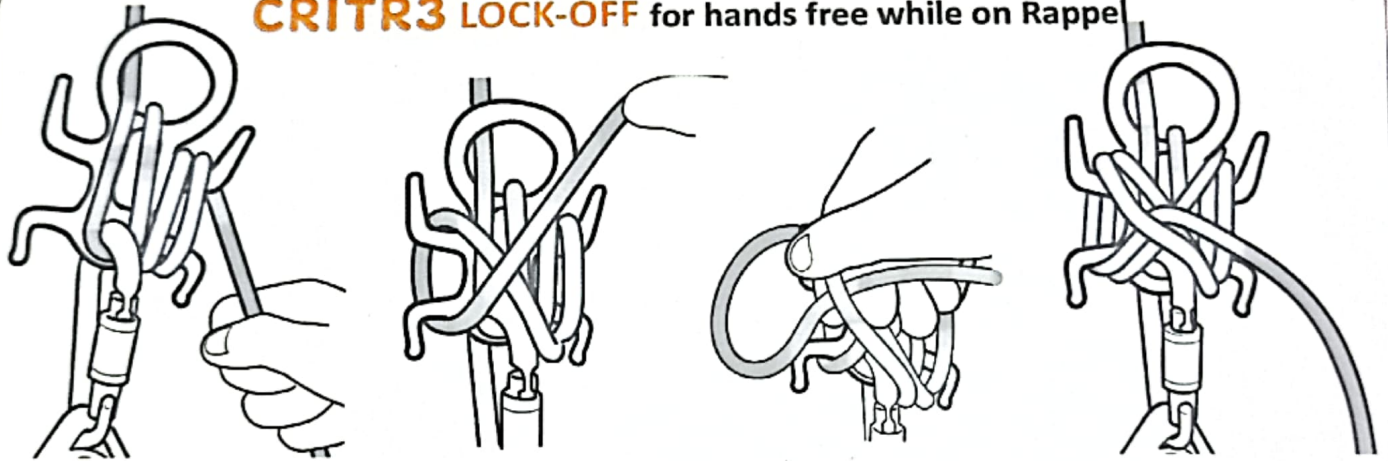


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**CRITR3 ADD FRICTION WHILE ON RAPPEL**  
 (It is best to add too much friction than to not have enough!)



**CRITR3 LOCK-OFF** for hands free while on Rappel



**CRITR3 DOUBLE ROPE RAPPEL**

