Eton ARCCR100R_SNG

Eton American Red Cross Clipray Flashlight & Smartphone Charger User Manual

INTRODUCTION

The Eton American Red Cross Clipray is a versatile, crank-powered flashlight and smartphone charger designed for emergency preparedness and outdoor activities. This device provides reliable illumination and a crucial power source for your mobile devices without relying on external power outlets or disposable batteries.

PRODUCT OVERVIEW

The Clipray features a compact and durable design, incorporating a hand crank for power generation, a bright LED flashlight, and a USB port for charging smartphones. It also includes a carabiner clip for easy portability and attachment.

Figure 1: Eton American Red Cross Clipray Flashlight - Front View

The image above displays the main components of the Clipray: the LED light array at the front, the main body housing the internal mechanisms, and the integrated carabiner clip at the rear for convenient attachment.

FEATURES

- **Crank-Powered Flashlight & Charger:** Provides reliable light and smartphone charging without batteries.
- **Emergency Flashlight:** Generates 10 minutes of bright LED light with 1 minute of cranking.
- **USB Smartphone Charger:** Built-in USB port for charging phones and other devices.
- **Portable & Convenient:** Compact, lightweight, and features a durable carabiner clip for easy

attachment.

- **Officially Licensed American Red Cross Product:** Ensures quality and reliability for preparedness.

SETUP

The Clipray is designed for immediate use. No initial battery installation is required as it is powered by a hand crank and can be charged via solar power. For optimal performance, it is recommended to fully charge the internal battery using the hand crank or solar panel before its first extended use.

OPERATING INSTRUCTIONS

1. Flashlight Operation

1. Locate the power button on the side of the device.
2. Press the power button once to turn on the LED flashlight.
3. Press the power button again to turn off the flashlight.

2. Hand Crank Charging

To generate power for the flashlight or to charge a connected device:

1. Unfold the hand crank located on the side of the Clipray.
2. Rotate the hand crank clockwise or counter-clockwise at a steady pace.
3. One minute of continuous cranking typically provides approximately 10 minutes of flashlight operation.

Figure 2: Hand Crank Extended for Charging

The image above illustrates the hand crank in its extended position, ready for manual power generation. Consistent cranking ensures efficient energy transfer to the internal battery.

3. Solar Charging

The Clipray can also be charged using its integrated solar panel:

1. Place the Clipray with the solar panel facing direct sunlight.
2. Ensure no obstructions are covering the solar panel for efficient charging.
3. Solar charging is a slower method and is best for maintaining charge or for prolonged exposure to sunlight.

4. Smartphone Charging

To charge a smartphone or other USB-powered device:

1. Connect your device's USB charging cable to the USB output port on the Clipray.
2. Begin cranking the handle to initiate charging. Note that the Clipray charges devices only while actively cranking.
3. Charging speed will vary depending on the cranking speed and the device's battery capacity. This feature is primarily for emergency power to make calls or send messages.

Figure 3: Charging a Smartphone with the Clipray

The image above demonstrates the Clipray connected to a smartphone via a USB cable, with the hand crank being operated to provide emergency power.

MAINTENANCE

- Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or direct moisture for prolonged periods. While water-resistant, it is not fully waterproof.
- Store the Clipray in a cool, dry place when not in use.

- Periodically crank the device for a few minutes to maintain the internal battery's health, even if not in regular use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Flashlight does not turn on.	Low internal battery charge.	Crank the handle for at least 1-2 minutes or expose to direct sunlight.
Smartphone not charging.	Not actively cranking; device cable issue.	Ensure continuous cranking while charging. Verify your USB cable is functional and properly connected.
Crank handle is stiff or difficult to turn.	Debris in mechanism; lack of lubrication.	Inspect for obstructions. Apply a small amount of silicone-based lubricant if necessary (avoid oil-based lubricants).

SPECIFICATIONS

Model: ARCCR100R_SNG

Special Feature: Lightweight, Portable, Sturdy

Color: Red

Power Source: Manual (Hand Crank), Solar

Light Source Type: LED

Material: Plastic

White Brightness: 100 Lumens

Product Dimensions: 6"D x 1.25"W x 2.25"H

Item Weight: 4.9 Ounces

Voltage: 5 Volts (USB Output)

Water Resistance Level: Water Resistant

Included Components: Flash Light, USB Cable

OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: Official overview of the Eton American Red Cross Crank-Powered Clipray Flashlight, demonstrating its features and operation.

WARRANTY AND SUPPORT

The Eton American Red Cross Clipray comes with a **1-year parts and labor warranty**. For support, please visit the official Eton website or contact their customer service. As an officially licensed American Red Cross product, it adheres to high standards of quality and reliability.

For more information, you can visit the Eton Store on Amazon.