VIRTUE Spire V

VIRTUE Spire V Paintball Loader Instruction Manual

Model: Spire V

Introduction

This manual provides essential instructions for the proper setup, operation, and maintenance of your VIRTUE Spire V Paintball Loader. The Spire V is engineered for high performance, offering reliable feeding and user-friendly features for paintball enthusiasts.

Key features include dual sensor technology for consistent feeding, a redesigned drive system for improved durability, and a hinged shell for quick, toolless access. It has a 230-round capacity and comes equipped with a CrownSF III speed feed and a matching rain lid.



Figure 1: VIRTUE Spire V Paintball Loader (Acid Black)

Setup

1. Battery Installation

1. Open the hinged shell of the loader. The Spire V features a toolless design for easy access.
2. Locate the battery compartment, typically beneath the drive system.
3. Insert the required batteries (not included) according to the polarity indicators. Ensure a secure fit.
4. Close the hinged shell until it latches securely.



Figure 2: Loader with hinged shell open for battery access and maintenance.

2. Attaching to a Paintball Marker

Align the feed neck of the Spire V loader with the feed port on your paintball marker. Securely attach the loader to the marker, ensuring a snug fit to prevent accidental detachment during play. Refer to your marker's manual for specific attachment instructions if necessary.

3. Loading Paintballs

The Spire V comes with a CrownSF III speed feed and a rain lid.

- **Using the Speed Feed:** Gently push paintballs through the flexible fingers of the CrownSF III speed feed. The design allows for rapid reloading while minimizing spills.
- **Using the Rain Lid:** For protection against elements, remove the speed feed and attach the included rain lid. Open the lid to load paintballs, then close it securely.



Figure 3: Top view showing the CrownSF III speed feed.

Operating Instructions

The VIRTUE Spire V operates automatically, utilizing dual sensor technology to ensure consistent paintball feeding.

- **Dual Sensor Technology:** The loader combines accelerometer and infrared sensors. The accelerometer detects marker firing, while the infrared sensor monitors paintball presence in the feed stack. This combination ensures paintballs are fed proactively and reliably.
- **Proactive Feeding:** When the marker fires, the loader's drive system activates, pushing paintballs into the feed neck. The flexible rubber fingers gently guide paintballs, preventing jams and minimizing breakage, even with brittle or imperfect paint.
- **Capacity:** The Spire V holds up to 230 paintballs, providing ample capacity for extended play.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Spire V loader. The toolless design facilitates quick and easy cleaning.

1. **Disassembly:** Open the hinged shell of the loader. The magnetic Spire drive can be easily removed for cleaning.
2. **Cleaning the Drive System:** Carefully remove any paint residue, dirt, or debris from the drive system components and the flexible rubber fingers. Use a damp cloth and mild soap if necessary, ensuring all parts are dry before reassembly.
3. **Cleaning the Feed Tray:** The improved tray geometry is designed for easier cleaning. Wipe down the interior of the loader and the feed tray to remove any paint or shell fragments.
4. **Battery Check:** Periodically check the batteries. Replace them when performance degrades or if the loader does not power on.
5. **Reassembly:** Reinsert the drive system and close the hinged shell, ensuring it clicks securely into place.

Troubleshooting

Problem	Possible Cause	Solution
Loader not feeding paintballs	Low or dead batteries; obstructed drive system; sensors blocked; incorrect paintball size/quality.	Replace batteries; clean the drive system and flexible fingers; ensure sensors are clear; use fresh, round paintballs.
Loader not powering on	Dead or incorrectly installed batteries.	Check battery polarity and ensure they are fully charged or new.
Paintballs breaking inside loader	Damaged or old paintballs; excessive force during loading; debris in feed tray.	Use fresh, high-quality paintballs; load gently; clean the feed tray thoroughly.

Specifications

- **Brand:** VIRTUE
- **Model:** Spire V
- **Capacity:** 230 Rounds
- **Power Source:** Battery (not included)
- **Operation Mode:** Automatic
- **Material:** Glass-filled Nylon (Plastic)
- **Item Weight:** 2 pounds
- **Item Dimensions:** 10 x 6 x 5 inches
- **Included Components:** Loader, CrownSF III Speed Feed, Rain Lid
- **GTIN/UPC:** 810068384420

Warranty and Support

The VIRTUE Spire V Paintball Loader comes with a**90-day warranty** covering defects only. This warranty is provided by the manufacturer, Virtue Paintball.
For warranty claims, technical assistance, or further support, please contact Virtue Paintball directly. You can find more information and contact details by visiting the official VIRTUE Store on Amazon.

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