Pelican IM2200-B-00000

Pelican iM2200 Storm Case User Manual

Model: IM2200-B-00000

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1. Introduction

This manual provides essential information for the proper use, setup, operation, and maintenance of your Pelican iM2200 Storm Case. Please read this manual thoroughly before using the product to ensure optimal performance and longevity. The Pelican iM2200 Storm Case is designed to provide superior protection for your valuable equipment in various environments.

2. Product Overview

The Pelican iM2200 Storm Case is an injection-molded case constructed from HPX high-performance resin. This material ensures the case is virtually unbreakable, dent-resistant, and shatter-resistant. It is engineered to be tough, rugged, lightweight, airtight, and watertight, providing robust protection for its contents.
Key features include:

- **HPX High Performance Resin:** Provides extreme durability against impacts and environmental stress.
- **Vortex Valve:** A permanently attached valve that automatically adjusts air pressure without allowing water ingress.
- **Press & Pull Latches:** Designed for secure closure and easy opening with a simple button push.
- **Molded-in Hasps:** Unbreakable hasps integrated into the case design for adding standard size padlocks.
- **Integrated Feet Hinges:** Hinges designed to withstand impact and provide a stable, flat surface for upright positioning.
- **Double-Layered, Soft-Grip Handle:** A comfortable and strong handle for transport.



Figure 2.1: The Pelican iM2200 Storm Case in black, showcasing its robust exterior and secure latches. This image illustrates the overall design and construction of the protective case.

3. Setup

The Pelican iM2200 Storm Case is designed for immediate use. No complex assembly is required. Follow these steps to prepare your case:

1. **Initial Inspection:** Before first use, inspect the case for any signs of damage from shipping. Ensure all latches operate smoothly and the lid seal is clean and free of debris.
2. **Vortex Valve Check:** The permanently attached Vortex valve automatically adjusts air pressure. No manual adjustment is needed. Ensure it is free from obstructions.
3. **Interior Customization (Optional):** If your case includes foam inserts, customize them to fit your equipment by carefully cutting or plucking the foam to create snug compartments.
4. **Cleaning:** Wipe down the interior and exterior with a damp cloth if necessary to remove any dust or manufacturing residue.

4. Operation

Operating your Storm Case is straightforward, focusing on secure closure and easy access.

4.1 Opening the Case

1. Locate the **Press & Pull latches** on the front of the case.
2. Press the button located on each latch. This will release the latch mechanism.
3. Pull the latch upwards to disengage it from the case body.
4. Repeat for all latches, then lift the lid to open the case.

4.2 Closing and Securing the Case

1. Ensure the lid is properly aligned with the base of the case.
2. Press each **Press & Pull latch** down firmly until it clicks into place. Verify that all latches are fully engaged and flush with the case body.
3. For added security, utilize the **molded-in hasps** by inserting standard size padlocks (not included) through the designated openings.

4.3 Vortex Valve Functionality

The **Vortex valve** is a critical component for maintaining the case's integrity across varying altitudes and temperatures. It automatically equalizes internal air pressure without compromising the watertight seal. No user intervention is required for its operation. Ensure the valve remains clear of debris.

5. Maintenance

Regular maintenance ensures the long-term performance and protective capabilities of your Pelican iM2200 Storm Case.

- **Cleaning:** Clean the exterior and interior of the case with mild soap and water. Avoid harsh chemicals or abrasive cleaners that could damage the HPX resin.
- **Lid Seal Inspection:** Periodically inspect the O-ring lid seal for cracks, tears, or embedded debris. A clean, intact seal is crucial for maintaining the watertight integrity. If necessary, gently clean the seal with a soft cloth and apply a thin layer of silicone grease (food-grade) to keep it pliable.
- **Latch Functionality:** Ensure the Press & Pull latches operate smoothly. If they become stiff, clean any accumulated dirt and apply a small amount of silicone spray lubricant.
- **Vortex Valve:** Keep the Vortex valve free from dirt, mud, or other obstructions. Do not attempt to remove or disassemble the valve.
- **Storage:** Store the case in a cool, dry place away from direct sunlight when not in use for extended periods.

6. Troubleshooting

This section addresses common issues you might encounter with your Storm Case.

Problem	Possible Cause	Solution
Case does not seal properly.	Debris on O-ring seal; damaged O-ring; latches not fully engaged.	Clean O-ring and sealing surface. Inspect O-ring for damage and replace if necessary. Ensure all latches are pressed down until they click.
Latches are stiff or difficult to operate.	Dirt or grime accumulation; lack of lubrication.	Clean latches thoroughly. Apply a small amount of silicone spray lubricant to the moving parts of the latches.
Lid is difficult to open after altitude change.	Pressure differential (Vortex valve may be temporarily obstructed or working to equalize).	Ensure the Vortex valve is clear of debris. The valve is designed to equalize pressure automatically; allow a moment for it to function. If persistent, check for any foreign objects blocking the valve.

7. Specifications

Detailed specifications for the Pelican iM2200 Storm Case:

Model Number: IM2200-B-00000

Interior Dimensions (L x W x D): 15.00" x 10.50" x 6.00" (38.1 x 26.7 x 15.2 cm)

Exterior Dimensions (L x W x D): 16.20" x 12.70" x 6.60" (41.1 x 32.3 x 16.8 cm)

Product Dimensions: 16.18 x 12.68 x 6.61 inches

Item Weight: 5.8 pounds

Material: HPX High Performance Resin

Color: Black

Manufacturer: Pelican Products

ASIN: B0090Y5O8K

8. Warranty and Support

Pelican Products are known for their durability and reliability. For specific warranty information and customer support, please refer to the official Pelican Products website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Pelican Products

For further assistance, visit: www.pelican.com

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