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Silva 70UN

Silva 70UN Compass Instruction Manual

Model: 70UN

INTRODUCTION

The Silva 70UN Compass is a versatile navigation instrument designed for various watercraft, including small boats, kayaks, dinghies, and canoes. It can function as both a steering compass when mounted in its bracket and a sighting compass when handheld. Its design allows for flexible installation and clear readability in diverse conditions.



Figure 1: The Silva 70UN Compass with its mounting bracket.

Key features of the 70UN Compass include:

- Double scales for reading from both front and above, suitable for sitting or standing helmsmen.
- Multiple mounting possibilities to adapt to available space onboard.
- Smart bracket for easy attachment and detachment.
- Curved lubber line for accurate reading without parallax errors, viewable from the side.
- Floats if dropped in water.
- The 70UNE model includes built-in illumination for night navigation, powered by two watch batteries and operated by a waterproof switch.

SETUP AND INSTALLATION

The 70UN Compass offers flexible installation options. It can be mounted in various inclinations and positions, including upside down, to suit the specific requirements of your vessel.

1. **Choose a Mounting Location:** Select a location that provides a clear view of the compass from the helm position and is free from magnetic interference (e.g., speakers, metal objects, electrical wiring).
2. **Mounting Bracket:** Secure the provided bracket to a suitable surface using appropriate fasteners

(not included). The bracket is designed for easy attachment and detachment of the compass unit. Ensure the bracket is firmly installed to prevent movement during operation.

- 3. Attach Compass:** Slide the compass unit into the mounted bracket until it clicks securely into place. The compass can be easily removed from the bracket for handheld use or for security when not in use.
- 4. Orientation:** Ensure the compass is oriented correctly with the rubber line aligned with the vessel's centerline for accurate steering readings.

Note: While the compass is designed for various mounting angles, ensure the compass card can rotate freely and settle accurately in your chosen position. Test the compass for proper function after installation.

OPERATING INSTRUCTIONS

Using as a Steering Compass

When mounted in its bracket, the 70UN functions as a steering compass. The main steering scale is located on the horizontal part of the compass, providing direct readings. The curved rubber line aids in swift and clear reading without parallax errors, allowing for accurate course keeping whether you are sitting or standing.

Using as a Sighting Compass

For taking bearings, detach the compass from its bracket and hold it level. Align the sighting mechanism (if present, or use the rubber line) with the object you wish to take a bearing to. Read the bearing directly from the compass card.

Illumination (70UNE Model Only)

If you have the 70UNE model, it includes built-in illumination for night navigation. This feature is powered by two watch batteries. To activate the illumination, operate the waterproof switch located on the compass. Ensure batteries are correctly installed and have sufficient charge for optimal performance.

MAINTENANCE

- Cleaning:** Clean the compass regularly with fresh water and a soft cloth. Avoid abrasive cleaners or solvents that could damage the compass housing or dome.
- Storage:** When not in use, especially for extended periods, store the compass in a cool, dry place away from strong magnetic fields and direct sunlight. The compass can be easily detached from its bracket for secure storage.
- Water Resistance:** The Silva 70UN is designed to be waterproof and floats if dropped in water. However, avoid prolonged submersion or high-pressure water jets.
- Battery Replacement (70UNE Only):** If the illumination dims or stops working, replace the watch batteries. Refer to the battery compartment for specific battery type and replacement instructions. Ensure the battery compartment is sealed properly after replacement to maintain waterproofing.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Compass card is sluggish or stuck.	Magnetic interference; compass not level; internal fluid issues; physical obstruction.	Move the compass away from potential magnetic sources (e.g., electronics, metal objects). Ensure the compass is mounted on a stable, level surface. If the issue persists, the compass may require professional inspection or replacement.
Inaccurate readings.	Magnetic deviation; improper mounting; external magnetic fields.	Check for nearby magnetic interference. Verify the compass is mounted correctly and aligned with the vessel's centerline. If significant deviation is observed, consider professional compass adjustment or compensation.
Illumination not working (70UNE only).	Dead batteries; faulty switch; loose connection.	Replace the watch batteries. Ensure the waterproof switch is fully engaged. If the issue continues after battery replacement, contact customer support.

SPECIFICATIONS

Model Name	70UN
Brand	Silva
Product Dimensions (LxW)	8.11" x 4.13"
Item Weight	0.41 Kilograms
Mounting Type	Multiple
Special Feature	Waterproof, Floats
Included Components	Compass
Manufacturer	Liberty Mountain Sports LLC

WARRANTY AND SUPPORT

The Silva 70UN Compass comes with a **Limited 2-year warranty**. For warranty claims, technical support, or further assistance, please contact the manufacturer, Liberty Mountain Sports LLC, or your authorized Silva dealer. Please retain your proof of purchase for warranty validation.

For additional information or to find contact details, please refer to the official Silva website or the documentation provided with your purchase.

