Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Ritchie Navigation XP-99

Ritchie XP-99 Kayaker Surface Mount Compass User Manual

Model: XP-99

1. Introduction

The Ritchie XP-99 Kayaker Surface Mount Compass is designed for reliable navigation in marine environments, particularly for kayaks and small boats. It features a direct-reading dial and robust construction for extended temperature operating range.



Figure 1: The Ritchie XP-99 Kayaker Surface Mount Compass, showing its black housing and clear dial with cardinal directions and degree markings.

2. Safety Information

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3. Product Features

- 2 3/4 Inch Direct-Reading Dial for clear and immediate bearing information.
- Directive force Magnets ensure accurate and stable readings.
- Extended Temperature Operating Range with Composite Construction & Diaphragm for durability in various conditions.
- Compact design with package dimensions: 6.9" (H) x 6.2" (L) x 7.0" (W).

4. Package Contents

- Ritchie XP-99 Kayaker Surface Mount Compass
- Owner's Documentation

5. Setup and Installation

The XP-99 compass is designed for surface mounting. Choose a flat, stable location on your kayak or vessel that is free from magnetic interference from electronic devices, metal objects, or other compasses.

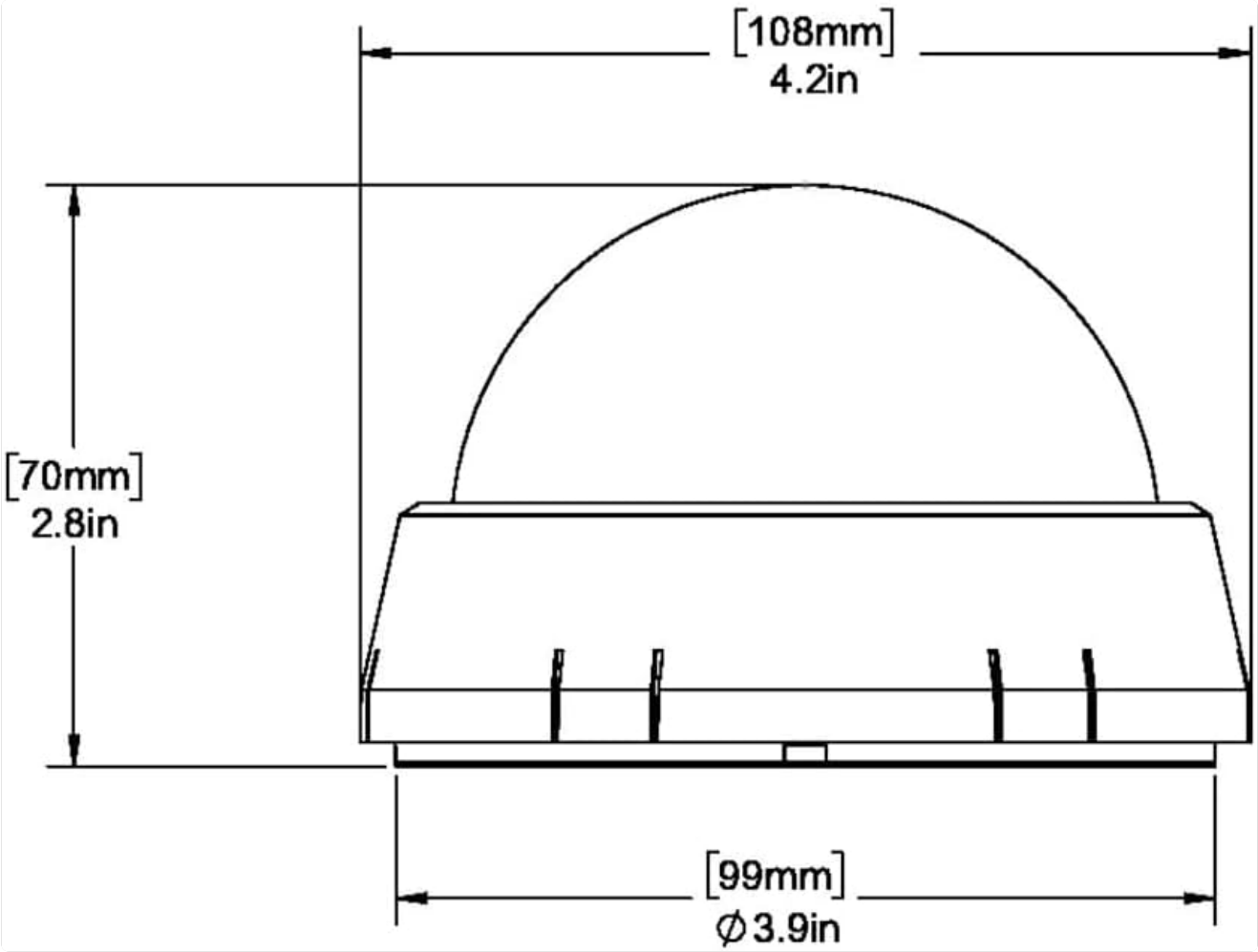


Figure 2: Technical drawing showing the dimensions of the Ritchie XP-99 compass. The base diameter is approximately 3.9 inches (99mm) and the total height is approximately 2.8 inches (70mm).

- **Mounting Hardware:** Please note that mounting screws are *not* included with the compass. You will need to source appropriate hardware for your specific mounting surface.
- **Surface Compatibility:** While designed for kayaks, this compass is primarily intended for flat surfaces. Mounting on a curved surface may require custom fabrication or shims to ensure the compass remains level and accurate.
- **Magnetic Interference:** Avoid mounting near strong magnetic fields, such as those produced by vehicle electronics (e.g., in cars), as this can significantly affect the compass's accuracy. This compass is not designed for compensation in such environments.

6. Operating Instructions

The Ritchie XP-99 features a direct-reading dial. To use, simply observe the dial through the viewing window. The red indicator line on the compass housing points to the current bearing. The numbers on the dial represent degrees, with cardinal directions (N, E, S, W) also clearly marked. Ensure the compass is level for the most accurate readings.

7. Maintenance

To ensure the longevity and accuracy of your Ritchie XP-99 compass, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the compass housing and dial with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the plastic or markings.
- **Storage:** When not in use for extended periods, store the compass in a cool, dry place away from strong magnetic fields.
- **Inspection:** Periodically check the mounting for security and ensure the compass remains level.

8. Troubleshooting

- **Inaccurate Readings:** If the compass provides inconsistent or incorrect readings, check for nearby sources of magnetic interference. This includes electronic devices, metal objects, or other compasses. Relocate the compass if interference is detected.
- **Compass Not Level:** Ensure the compass is mounted on a perfectly level surface. An unlevel compass will provide inaccurate readings.
- **No Compensation:** This model does not feature adjustable compensation. If significant deviation occurs due to permanent magnetic fields on your vessel, consider alternative mounting locations or a different compass model with compensation capabilities.

9. Technical Specifications

Feature	Specification
Model Name	Kayaker Compass Ritchie XP-99, Kayaker Surface Mount Compass, 2.75-inch Dial,Black
Part Number	XP-99
Brand	Ritchie Navigation
Dial Size	2.75-inch
Mounting Type	Surface Mount
Color	Black
Material	Plastic
Item Dimensions (LxWxH)	6.2 x 7 x 6.9 inches
Product Dimensions (LxW)	6.2"L x 6.2"W
Item Weight	12 ounces
Package Weight	0.39 Kilograms
Map Scale	1:100000

Feature	Specification
UPC	010342140678
Manufacturer	Ritchie Navigation
Date First Available	March 9, 2015
Special Feature	Portable

10. Warranty and Support

This product comes with a manufacturer's warranty. For detailed information regarding warranty coverage and terms, please refer to the included Owner's Documentation or visit the official Ritchie Navigation website. For technical support or inquiries, please contact Ritchie Navigation customer service.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B01N0NHXMU

More documents and user manuals: **https://manuals.plus/**