

PENN 625NW

Penn Fathom Master Downrigger 625NW User Manual

Model: 625NW | Brand: PENN

1. INTRODUCTION

Thank you for choosing the Penn Fathom Master Downrigger. This manual provides essential information for the proper installation, operation, and maintenance of your downrigger. Please read these instructions carefully before use to ensure safe and effective performance. This downrigger is designed for deep-water trolling in both fresh and saltwater environments.

2. PRODUCT OVERVIEW

The Penn Fathom Master Downrigger is engineered for durability and reliable performance. It features a robust construction with corrosion-resistant components, making it suitable for demanding marine conditions. The unit includes a 48-inch boom and 200 feet of 135-pound test stainless steel cable, designed to accurately deploy and retrieve fishing weights to desired depths.



Figure 2.1: The Penn Fathom Master Downrigger, showcasing its main body, boom, and cable spool. This image illustrates the overall design and key components of the downrigger.

3. KEY FEATURES

- **Robust Construction:** High-strength, glass-reinforced polycarbonate frame, spool, and base for durability.
- **Corrosion Resistance:** Gold anodized aluminum boom and stainless steel cable for saltwater environments.
- **One-Hand Operation:** Exclusive Fathom-Master drag system allows for easy control of weight deployment.
- **Safety Mechanism:** Crank handle remains stationary while the weight descends, preventing accidental rotation.
- **Efficient Retrieval:** Long handle lever and oversized spool facilitate 1-to-1 ratio cranking and quick weight return.
- **Depth Monitoring:** Gear-driven cable footage counter with large, easy-to-read numerals for precise depth tracking.
- **Pre-Installed Hardware:** Tru-Trac cable hardware for simple cable management without crimping tools.
- **Included Cable:** Comes with 200 feet of 135-pound test stainless steel cable.

- **Lockable Hold-Down:** Ensures secure positioning during transport or storage.

4. SETUP AND INSTALLATION

The Fathom Master Downrigger is designed for straightforward installation. Ensure you have all included components before beginning.

4.1 Unpacking

Carefully remove all components from the packaging. Verify that the following items are present:

- Fathom Master Manual Downrigger unit
- 48-inch Boom extension
- 200-foot, 135-pound test stainless steel cable (pre-installed)
- Mounting hardware
- Swivel base

4.2 Mounting the Downrigger

1. Select a secure and stable mounting location on your boat, ensuring it can support the weight and forces exerted during operation.
2. Attach the swivel base to the chosen location using the provided mounting hardware. Ensure the base is firmly secured to prevent movement.
3. Insert the downrigger unit into the swivel base. Secure it according to the base's locking mechanism.
4. Attach the 48-inch boom extension to the downrigger unit. Ensure it is properly seated and locked into position.

4.3 Cable Management

The 200-foot stainless steel cable comes pre-installed with Tru-Trac cable hardware. This system allows for easy removal and re-installation of the cable without the need for specialized crimping tools. Ensure the cable is properly routed through the boom tip and any guides before use.

5. OPERATING INSTRUCTIONS

Follow these steps for effective and safe operation of your Penn Fathom Master Downrigger.

5.1 Deploying the Weight

1. Attach your downrigger weight (not included) to the end of the cable.
2. Engage the Fathom-Master drag system. This allows for controlled, one-hand operation when lowering the weight.
3. Slowly lower the weight to the desired depth. The gear-driven cable footage counter will display the current depth in large, easy-to-read numerals.
4. The drag system is designed to allow cable to play out if the weight snags on the bottom, helping to prevent damage.
5. Note that the crank handle will not turn while the weight descends, enhancing safety.

5.2 Retrieving the Weight

1. To retrieve the weight, use the long handle lever.
2. Crank the handle in a clockwise direction. The 1-to-1 ratio cranking mechanism, combined with the oversized spool, ensures efficient and quick retrieval of the weight.
3. Monitor the cable footage counter as you retrieve the weight.

5.3 Using the Lockable Hold-Down

When not in use, or during transport, utilize the lockable hold-down feature to secure the downrigger boom and cable, preventing accidental deployment or movement.

6. MAINTENANCE

Regular maintenance will extend the life and ensure the optimal performance of your Penn Fathom Master Downrigger.

- **Rinse After Use:** After each use, especially in saltwater, thoroughly rinse the entire downrigger with fresh water to remove salt residue and debris.
- **Inspect Cable:** Periodically inspect the stainless steel cable for any signs of fraying, kinks, or corrosion. Replace the cable if any damage is observed.
- **Lubrication:** Apply a marine-grade lubricant to moving parts, such as the crank mechanism and boom pivot points, as needed.
- **Check Fasteners:** Ensure all mounting hardware and fasteners are tight and secure. Re-tighten if necessary.
- **Storage:** Store the downrigger in a dry, protected area when not in use.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your downrigger.

7.1 Cable Not Deploying/Retrieving Smoothly

- **Check for Obstructions:** Ensure the cable is not tangled or obstructed at the boom tip or spool.
- **Inspect Drag System:** Verify the drag system is properly engaged or disengaged as required.
- **Cable Condition:** Examine the cable for damage. A damaged cable can hinder smooth operation.

7.2 Spool Issues

- **Spool Integrity:** In rare cases, the spool may experience issues such as splitting. If this occurs, discontinue use immediately and contact customer support for replacement parts.
- **Cable Winding:** Ensure the cable is winding evenly on the spool. Uneven winding can cause issues.

7.3 Counter Not Displaying Correct Depth

- **Check for Debris:** Ensure no debris is interfering with the gear-driven counter mechanism.
- **Cable Tension:** Verify appropriate cable tension for accurate readings.

8. SPECIFICATIONS

Feature	Detail
Model Name	Penn Fathom Master
Model Number	625NW
Boom Length	48 inches
Cable Length	200 feet
Cable Test	135 pounds

Feature	Detail
Cable Material	Stainless Steel
Frame/Spool/Base Material	Glass Reinforced Polycarbonate
Boom Material	Gold Anodized Aluminum
Item Weight	15.6 pounds
Fishing Technique	Trolling
UPC	031324062511

9. WARRANTY INFORMATION

Penn Fishing Tackle Mfg. Co. warrants its products to be free from defects in materials and workmanship for a period of **one year from the date of purchase**. This warranty does not cover damage or malfunctions caused by accident, abuse, or normal expected wear. For warranty claims, please retain your proof of purchase and contact Penn customer support.

10. CUSTOMER SUPPORT

If you have any questions, require assistance with installation, operation, or troubleshooting, or need to make a warranty claim, please contact Penn customer support. Visit the official PENN website for the most current contact information and support resources.

Online Resources: www.pennfishing.com

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