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› [Minn Kota](#) /

› Minn Kota Ultrex 1368867 Freshwater Trolling Motor User Manual

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Minn Kota Ultrex 1368867 Freshwater Trolling Motor User Manual

Model: 1368867

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Minn Kota Ultrex Freshwater Cable & Electric-Steer Bow-Mount Trolling Motor. The Ultrex motor integrates advanced steering and GPS-powered boat control features for enhanced navigation and positioning on freshwater bodies.

PACKAGE CONTENTS

Verify that all components are present in the package before beginning installation:

- Ultrex 80 lb. 60" trolling motor with Built-In MEGA Side and Down Imaging
- Corded Foot Pedal
- i-Pilot Link Remote
- Remote Charging Cable
- USB DC Adapter
- Lanyard
- Heading Sensor
- 30' Ethernet Extension Cable
- Stabilizer
- Hold Down Strap
- MKP-33 Prop
- Mounting Hardware

SETUP

This section details the steps required to properly install your Minn Kota Ultrex trolling motor on your boat's bow.

Mounting the Trolling Motor

Secure the trolling motor to the bow of your boat using the provided mounting hardware. Ensure the mounting surface is stable

and capable of supporting the motor's weight and operational forces. Refer to the detailed installation guide for specific drilling templates and fastener requirements.

Electrical Connection

Connect the trolling motor to a 24V DC power source. Refer to the wiring diagram in the full installation guide for correct polarity and fuse requirements. Improper wiring can damage the motor or boat's electrical system. Ensure all connections are watertight and corrosion-free.

Transducer Connection (for MEGA Imaging)

The built-in MEGA Side and Down Imaging transducer requires connection to a compatible Humminbird fish finder. Route the transducer cable carefully to avoid damage from pinching or abrasion. Consult your Humminbird fish finder manual for specific connection instructions.

i-Pilot Link Connection

Connect the i-Pilot Link system to your Humminbird fish finder using the provided 30' Ethernet extension cable. This enables integrated control between the trolling motor and the fish finder, allowing for advanced navigation features.



Image: The Minn Kota Ultrex trolling motor, showcasing its bow-mount design, foot pedal, and i-Pilot Link remote. This image illustrates the primary components of the system.

OPERATING INSTRUCTIONS

This section covers the primary functions and controls of your Ultrex trolling motor.

Power Steering Foot Pedal

The heel-toe/cable foot pedal provides responsive steering control. Press the heel of the pedal to steer left and the toe to steer right. The integrated power steering feature reduces physical effort, enhancing comfort during extended use.

Spot-Lock Electronic Anchor

To activate Spot-Lock, press the dedicated button on the foot pedal or the i-Pilot Link remote. This feature utilizes GPS technology to automatically maintain your boat's current position, compensating for wind, current, and waves.

i-Pilot Link System

The i-Pilot Link system allows comprehensive control of the trolling motor via its color touch-screen remote or a connected Humminbird fish finder. Key functions include:

- **Setting Spot-Locks:** Electronically anchor your boat at a precise location.
- **Recording and Re-tracing Paths:** Store and navigate along preferred routes.
- **Following Depth Contours:** Automatically follow specific depth lines on your Humminbird chart.
- **Navigating to Saved Waypoints:** Direct the motor to pre-programmed fishing spots.
- **Adjusting Speed and Steering:** Fine-tune motor performance from the remote or fish finder.

AutoPilot

Activate AutoPilot to maintain a set heading. Point the motor head in the desired direction, then engage AutoPilot. The system will automatically correct for environmental factors like wind and current to keep your boat on course.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your trolling motor.

Propeller Inspection

Periodically inspect the propeller for fishing line, weeds, or damage. Remove any obstructions carefully. Replace damaged propellers promptly to maintain efficiency and prevent motor strain.

Electrical Connections

Regularly check all electrical connections for signs of corrosion or looseness. Clean any corrosion with a wire brush and battery terminal cleaner, then tighten connections as necessary. Apply dielectric grease to prevent future corrosion.

Shaft and Mount

Keep the motor shaft clean from debris and buildup. Inspect the mounting hardware for security and wear. Tighten any loose bolts and replace worn components to ensure safe operation.

Storage

When not in use, especially for extended periods, store the trolling motor in a dry, protected area. Disconnect the motor from its power source to prevent battery drain and potential electrical issues.

TROUBLESHOOTING

This section provides solutions to common operational issues you may encounter.

Motor Not Responding

- **Check Battery:** Verify battery connections are secure and the battery has sufficient charge.
- **Electrical Connections:** Ensure all electrical connections, including fuses and circuit breakers, are secure and free of corrosion.
- **Motor Deployment:** Confirm the motor is fully deployed and locked into its operational position.

Inaccurate GPS Positioning (Spot-Lock/AutoPilot)

- **GPS Signal:** Ensure the motor has a clear line of sight to the sky for optimal GPS signal reception. Avoid operating under heavy cover.
- **Interference:** Check for potential interference from other electronic devices on your boat.
- **Heading Sensor Calibration:** Calibrate the heading sensor if necessary. Refer to the i-Pilot Link manual for calibration procedures.

Steering Issues

- **Foot Pedal Cable:** Inspect the foot pedal cable for obstructions, kinks, or damage that could impede steering.
- **Debris:** Check for debris around the motor shaft or propeller that might be affecting steering responsiveness.

SPECIFICATIONS

- **Brand:** Minn Kota
- **Model Number:** 1368867
- **UPC:** 029402048113
- **Thrust:** 80 lbs
- **Shaft Length:** 60 inches
- **Voltage:** 24 Volts
- **Engine Type:** Electric
- **Operation Mode:** Electric
- **Mounting Type:** Bow Mount
- **Recommended Use:** Freshwater
- **Imaging:** Built-in MEGA Side and Down Imaging
- **GPS System:** i-Pilot Link Integrated GPS Trolling System
- **Steering:** Cable & Electric-Steer with Power Steering Foot Pedal

WARRANTY AND SUPPORT

This Minn Kota Ultrex trolling motor is covered by a **2-Year Limited Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or to purchase replacement parts, please contact Minn Kota customer support directly. Have your model number (1368867) and UPC (029402048113) available when contacting support.

Manufacturer: Minn Kota

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

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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