

Minn Kota 1358502

Minn Kota Ulterra QUEST Trolling Motor User Manual

Model: 1358502

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Minn Kota Ulterra QUEST Brushless Bow-Mount Electric Trolling Motor. The Ulterra QUEST series is engineered for demanding marine environments, featuring a dual 24/36 volt brushless motor, redesigned mounts, propellers, and lift assist systems. It integrates advanced GPS functionality, including Spot-Lock, and offers built-in MEGA Side Imaging for enhanced underwater visibility. Please read this manual thoroughly before using your trolling motor to ensure safe and efficient operation.

Key features of your Ulterra QUEST motor include:

- **Built-in MEGA Side Imaging:** Provides clear underwater visualization up to 200 feet on either side of your boat, with the transducer integrated directly into the motor.
- **QUEST Series Technology:** A 24/36V dual-voltage brushless motor with enhanced durability, featuring redesigned mounts, propellers, and a carbon-fiber infused shaft.
- **Auto Stow & Deploy System with Power Trim:** Allows for effortless stowing, deploying, and trim adjustments with one-touch operation via wireless remote, foot pedal, One-Boat Network App, or compatible Humminbird fish finder.
- **Advanced GPS Trolling System with Spot-Lock and Jog:** Maintains precise position and enables movement of your locked position 5 feet in any direction. Includes drift, follow, and dodge modes for navigation.
- **Intuitive Power Management:** Digital Maximizer technology extends battery run time up to five times longer on a single charge, with real-time battery monitoring.

SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- **Read All Instructions:** Familiarize yourself with all operating procedures before use.
- **Electrical Safety:** Ensure all electrical connections are secure and properly insulated. Disconnect power before performing any maintenance or installation. Use appropriate circuit protection.
- **Propeller Safety:** Keep hands, feet, and clothing clear of the propeller at all times, especially when the motor is in

operation or connected to a power source.

- **Battery Handling:** Use only recommended battery types and ensure proper ventilation during charging and operation. Avoid short-circuiting battery terminals.
- **Mounting:** Securely mount the trolling motor to the bow of your boat according to the installation instructions to prevent detachment during operation.
- **Water Hazards:** Be aware of your surroundings and avoid operating the motor in areas with submerged obstacles or shallow water that could damage the propeller or motor.
- **Children and Pets:** Keep children and pets away from the trolling motor, especially during operation and maintenance.

WHAT'S IN THE BOX

Your Minn Kota Ulterra QUEST Trolling Motor package includes the following components:

- Ulterra 90/115 lb. 60" shaft trolling motor with Built-In MEGA Side Imaging
- Heading Sensor
- Foot Pedal
- Wireless Remote
- Power Prop
- 30' Ethernet Cable
- AS EC QDE HELIX Cable
- MKR-MI-1

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your trolling motor. This section provides an overview; refer to the detailed installation guide provided with your product for specific steps.

Mounting the Trolling Motor

The Ulterra QUEST is a bow-mount trolling motor. Select a mounting location on the bow that provides clear access to the water and does not obstruct other boat functions. Ensure the mounting surface is flat and strong enough to support the motor's weight and operational forces.





Image: The Minn Kota UltraQuest Trolling Motor in its deployed position, ready for use on the bow of a boat.



Image: A detailed view of the mounting bracket and base of the Minn Kota Ulterra QUEST Trolling Motor, showing its robust construction.

Electrical Connections

The Ulterra QUEST operates on a dual 24/36V system. Connect the motor to your boat's battery system using appropriate gauge wiring and circuit breakers as specified in the full installation guide. Incorrect wiring can cause damage to the motor or boat's electrical system.

Heading Sensor Installation

Install the heading sensor in a location free from magnetic interference and within range of the trolling motor for optimal GPS and Spot-Lock performance. Follow the specific instructions for calibration.

OPERATING INSTRUCTIONS

Your Ulterra QUEST trolling motor offers advanced control options for precise boat positioning and navigation.

Powering On/Off

To power on the motor, press the power button located on the motor base. The status indicator lights will illuminate. To power off, press and hold the power button until the lights extinguish.



Image: A close-up of the Ulterra QUEST motor's control panel, showing the power button and status indicators for operation.

Auto Stow/Deploy and Power Trim

The Ulterra QUEST features an automatic stow and deploy system. Use the dedicated buttons on the wireless remote,

foot pedal, or compatible fish finder to initiate these actions. The motor will automatically deploy into the water or stow itself onto the boat. Power Trim allows you to adjust the motor's depth with similar one-touch controls.

Wireless Remote and Foot Pedal

Control your motor's speed, steering, Spot-Lock, and other functions using the provided wireless remote or foot pedal. Familiarize yourself with the button layout and functions of each control device.



Image: The wireless remote and foot pedal for the Minn Kota Ultra QUEST, providing various control options for the trolling motor.

Advanced GPS Trolling System (Spot-Lock, Jog, Modes)

Activate Spot-Lock to hold your boat's position precisely. Use the Jog feature to move your boat 5 feet in any direction while maintaining Spot-Lock. Explore other modes like Drift, Follow, and Dodge for specific navigation needs, as detailed in the full operating guide.

MEGA Side Imaging

The integrated MEGA Side Imaging transducer provides detailed sonar views. Connect your motor to a compatible Humminbird fish finder via the provided Ethernet cable to utilize this feature for crystal-clear imaging of structures and fish.

Eco Mode

Engage Eco Mode to optimize power consumption and extend your battery life during longer fishing trips. This mode intelligently manages motor output to conserve energy.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your Minn Kota Ulterra QUEST trolling motor.

- **After Each Use:** Rinse the motor with fresh water, especially after use in saltwater, to remove salt and debris. Wipe down all surfaces.
- **Propeller Inspection:** Regularly check the propeller for weeds, fishing line, or damage. Remove any obstructions and replace damaged propellers promptly. Disconnect power before inspecting the propeller.
- **Electrical Connections:** Periodically inspect all electrical connections for corrosion or looseness. Clean and tighten as necessary. Apply dielectric grease to terminals to prevent corrosion.
- **Battery Care:** Ensure batteries are fully charged before each use. Store batteries in a cool, dry place and maintain proper charge during off-season storage.
- **Shaft and Mount:** Inspect the motor shaft and mounting bracket for any signs of wear, cracks, or damage. Ensure all fasteners are tight.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Ulterra QUEST trolling motor. For more complex problems, contact Minn Kota customer support.

Motor Not Deploying/Stowing

- **Check Power:** Ensure the motor is powered on and receiving adequate voltage from the batteries.
- **Obstructions:** Inspect the deploy/stow mechanism for any physical obstructions.
- **Remote/Foot Pedal:** Verify that the remote or foot pedal is charged and properly paired with the motor.

Motor Not Responding to Controls

- **Battery Level:** Check the battery level of both the motor and the control device (remote/foot pedal).
- **Interference:** Move away from sources of strong electromagnetic interference.
- **Re-pair Devices:** Attempt to re-pair the wireless remote or foot pedal with the motor.

GPS/Spot-Lock Inaccuracy

- **Heading Sensor:** Ensure the heading sensor is correctly installed and calibrated, and free from interference.
- **GPS Signal:** Operate in an open area with a clear view of the sky for optimal GPS signal reception.

Unusual Noise During Operation

- **Propeller Obstruction:** Check the propeller for any debris or damage.
- **Steering Mechanism:** Inspect the steering mechanism for any binding or foreign objects.

SPECIFICATIONS

Feature	Specification
Brand	Minn Kota
Model Number	1358502
UPC	029402050284

Feature	Specification
Engine Type	Electric, Brushless
Operation Mode	Electric
Voltage	24/36 Volts (Dual Voltage)
Thrust	90/115 lb
Shaft Length	60 inches
Mounting Type	Bow Mount
Material	Aluminum (Shaft: Carbon-fiber infused)
Color	Black
Recommended Uses	Freshwater Fishing
Included Components	Ultterra 90/115 lb. 60" shaft trolling motor with Built-In MEGA Side Imaging; Heading Sensor; Foot Pedal; Wireless Remote; Power Prop; 30' Ethernet Cable; AS EC QDE HELIX Cable; MKR-MI-1

WARRANTY AND SUPPORT

Manufacturer's Warranty

Your Minn Kota Ultterra QUEST Trolling Motor is covered by a **Three-Year Warranty with Registration**. Please register your product upon purchase to activate your warranty. The warranty covers defects in materials and workmanship under normal use.

Customer Support

For technical assistance, warranty claims, or to order replacement parts, please contact Minn Kota customer support. Have your model number (1358502) and purchase date available when contacting support.

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