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## Minn Kota 1358986

# Minn Kota Ulterra Trolling Motor User Manual

Model: 1358986

## INTRODUCTION

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The Minn Kota Ulterra is a freshwater electric-steer bow-mount trolling motor designed for superior boat control and fishing experience. It features advanced technologies such as Auto Stow/Deploy, Power Trim, and integrated i-Pilot Link GPS system with MEGA Down/Side Imaging capabilities.

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your Minn Kota Ulterra trolling motor.

## WHAT'S IN THE BOX

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Your Minn Kota Ulterra package includes the following components:

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



Figure 1: Minn Kota Ultra Trolling Motor and included accessories, including the motor unit, i-Pilot Link remote, foot pedal, and various cables and hardware.

## SETUP

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### Mounting the Trolling Motor

The Minn Kota Ultra is a bow-mount trolling motor. Ensure your boat's bow has sufficient space and structural integrity for installation. Use the provided mounting hardware to securely attach the motor to the bow. It is recommended to consult a professional for installation if you are unsure about the process.

## Electrical Connection

This motor operates on 24 Volts. Connect the motor to a compatible 24V power source (e.g., two 12V deep cycle batteries wired in series). Ensure all connections are secure and properly insulated to prevent electrical hazards. Refer to the wiring diagram in the full installation guide for detailed instructions.

## i-Pilot Link Setup

Connect the i-Pilot Link system to your Humminbird fish finder using the 30' Ethernet Extension Cable. Follow the instructions in your i-Pilot Link manual to pair the remote and heading sensor with the trolling motor. This integration allows for advanced navigation and control features.

## OPERATING INSTRUCTIONS

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### Auto Stow/Deploy and Power Trim

The Ulterra features automatic stow and deploy functionality. Use the i-Pilot Link remote or the multi-function foot pedal to effortlessly deploy or stow the motor. The Power Trim feature allows you to adjust the motor's depth with ease, optimizing performance in varying water conditions.

### i-Pilot Link Integrated GPS Trolling System

The i-Pilot Link system provides comprehensive control over your boat. From the remote or your Humminbird fish finder, you can:

- Set Spot-Locks to hold your position with GPS accuracy.
- Record and retrace paths.
- Follow depth contours.
- Automatically navigate to saved spots.
- Control speed and steering.

### Spot-Lock with Jog

Spot-Lock holds your boat in a precise location. With the included heading sensor, you can use the Jog feature to move your Spot-Lock position five feet in any direction. Activate Spot-Lock from the i-Pilot remote or your Humminbird fish finder.

### AutoPilot

AutoPilot navigates your boat automatically in a chosen direction. Point the motor head in your desired direction, activate AutoPilot, and the motor will maintain that heading, compensating for wind, waves, and current.

### Built-In MEGA Side and Down Imaging

The integrated transducer provides crystal clear Humminbird MEGA Side Imaging and MEGA Down Imaging directly from the trolling motor, offering a clean setup and protected sonar housing.

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Minn Kota Ulterra trolling motor.

- **After Each Use:** Rinse the motor with fresh water, especially after use in saltwater (though this model is for freshwater, rinsing is good practice). Inspect the propeller for fishing line or debris and remove if present.
- **Periodically:** Check all electrical connections for corrosion and tightness. Lubricate moving parts as recommended in the full service manual. Inspect the shaft and mount for any signs of wear or damage.
- **Battery Care:** Ensure your 24V battery system is properly charged and maintained according to battery manufacturer guidelines.

## TROUBLESHOOTING

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If you encounter issues with your Minn Kota Ulterra, consider the following common troubleshooting steps:

- **Motor Not Responding:**
  - Check battery connections and ensure batteries are fully charged.
  - Verify that the i-Pilot Link remote is paired and has sufficient battery charge.
  - Inspect all wiring for loose connections or damage.
- **Propeller Not Spinning:**
  - Ensure no fishing line, weeds, or debris are wrapped around the propeller.
  - Check for any obstructions in the motor's lower unit.
- **GPS Inaccuracy / Spot-Lock Drift:**
  - Ensure the heading sensor is properly installed and calibrated.
  - Check for strong magnetic interference from other electronic devices on the boat.
  - Ensure clear sky view for optimal GPS signal reception.
- **Auto Stow/Deploy Issues:**
  - Verify that the motor is not obstructed during deployment or stowing.
  - Check for any physical damage to the deployment mechanism.

For persistent issues, refer to the comprehensive troubleshooting guide in the full product manual or contact Minn Kota customer support.

## SPECIFICATIONS

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Feature	Detail
Brand	Minn Kota
Model	Ulterra (Model Number: 1358986)
Thrust	80 lbs
Shaft Length	60 inches
Voltage	24 Volts
Engine Type	Electric
Mounting Type	Bow Mount
Recommended Use	Fresh Water
Item Weight	70 Pounds
Product Dimensions	60 x 15 x 10 inches
UPC	029402048854

## WARRANTY AND SUPPORT

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For warranty information, product registration, or technical assistance, please visit the official Minn Kota website or contact their

customer support. Keep your purchase receipt as proof of purchase for warranty claims.

Minn Kota provides dedicated customer support to assist with any questions or issues you may have regarding your Ulterra trolling motor.

