Misodo GT16

Misodo Electric Dirt Bike GT16 User Manual

Model: GT16

Introduction

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your Misodo Electric Dirt Bike GT16. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize your riding experience.

The Misodo GT16 is an all-terrain electric dirt bike designed for adults and teens, featuring a powerful 5500W peak motor, a 48V/30Ah removable battery, dual hydraulic brakes, and full suspension for off-road performance.

Safety Information

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Always wear a helmet, eye protection, and appropriate riding gear (gloves, long pants, sturdy shoes) when operating the dirt bike.
- Do not operate the bike under the influence of alcohol or drugs.
- Ensure all components are securely fastened and in good working order before each ride. Check tire pressure, brake function, and battery charge.
- Observe all local laws and regulations regarding electric dirt bike usage.
- Do not exceed the maximum weight capacity of 365 lbs (165 kg).
- Avoid riding in extreme weather conditions, such as heavy rain, snow, or ice.
- Keep hands and feet away from moving parts, especially the chain and wheels.
- Children should only operate the bike under direct adult supervision.

What's in the Box

Your Misodo Electric Dirt Bike GT16 package includes the following items:

- Misodo Electric Dirt Bike GT16 (90% pre-assembled)
- Charger (x1)
- Installation Tool Set (x1)

- NFC Card (x2)
- User Manual (this document)

Setup and Assembly

Your Misodo GT16 Electric Dirt Bike arrives 90% pre-assembled. Follow these steps to complete the assembly:

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Handlebar Installation:** Attach the handlebars to the stem using the provided tool set. Ensure they are centered and tightened securely.
3. **Front Wheel Installation:** If not already installed, attach the front wheel, ensuring the brake rotor is correctly aligned with the caliper.
4. **Pedal Installation:** Install the pedals. Note that pedals are typically marked 'L' for left and 'R' for right and thread in opposite directions.
5. **Seat Adjustment:** Adjust the seat height to a comfortable and safe riding position.
6. **Battery Installation/Check:** Ensure the 48V 30Ah battery is securely seated in its compartment.
7. **Initial Charge:** Fully charge the battery before your first ride. Connect the charger to the bike's charging port and then to a power outlet. The indicator light on the charger will change when fully charged.
8. **Final Inspection:** Double-check all bolts, nuts, and quick releases for tightness. Verify brake function and tire pressure.



Image: The Misodo GT16 Electric Dirt Bike, showcasing its overall design and components.

Operating Instructions

1. Powering On/Off and Unlocking

To power on the bike, use one of the provided NFC cards. Tap the NFC card to the designated area on the display

screen. The LCD screen will activate, displaying essential riding information. To power off, typically hold the power button on the display or use the NFC card again, depending on the model's specific implementation.



Image: The intelligent LCD screen of the Misodo GT16, displaying speed, battery level, and pedal assist mode.

2. Riding Modes and Pedal Assist System (PAS)

The Misodo GT16 features a 5-level Pedal Assist System (PAS) and a 7-speed manual shifter. You can switch between these modes to adapt to different terrains and riding preferences.

- **PAS Mode:** Provides electric assistance as you pedal. Levels 1-5 offer increasing levels of motor power.
- **Pure Electric Mode:** Use the throttle for full electric power without pedaling.
- **Manual Shifter:** Use the 7-speed gears to adjust your pedaling effort, similar to a traditional bicycle.



Image: Illustration of various riding modes and their approximate range capabilities.

3. Braking

The bike is equipped with 203mm dual hydraulic disc brakes for reliable stopping power. Apply both front and rear brakes smoothly and simultaneously for optimal control, especially on challenging terrain.

Your browser does not support the video tag.

Video: Demonstration of the Misodo GT16's ultimate off-road braking system, highlighting its effectiveness.

4. Suspension System

The full suspension system, including a front hydraulic fork and a 2000lb rear shock, is designed to absorb impacts and provide a smooth ride over varied terrain. This system enhances comfort and control during off-road adventures.

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Video: A close-up look at the Misodo GT16's fat tires and plush front suspension, demonstrating their design and function.

Maintenance

Regular maintenance is crucial for the longevity and safe operation of your Misodo GT16 Electric Dirt Bike.

- **Battery Care:**
  - Charge the battery fully after each ride, especially if it will be stored for an extended period.
  - Avoid completely draining the battery.
  - Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Tires:**
  - Check tire pressure before each ride. Refer to the tire sidewall for recommended pressure.
  - Inspect tires for wear, cuts, or punctures.
- **Brakes:**
  - Regularly check brake levers for proper tension and responsiveness.
  - Inspect brake pads for wear and replace as needed.
  - Ensure brake rotors are clean and free from oil or grease.
- **Chain:** Keep the chain clean and lubricated to ensure smooth operation and prevent premature wear.
- **Fasteners:** Periodically check all bolts, nuts, and screws for tightness. Tighten any loose fasteners.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.

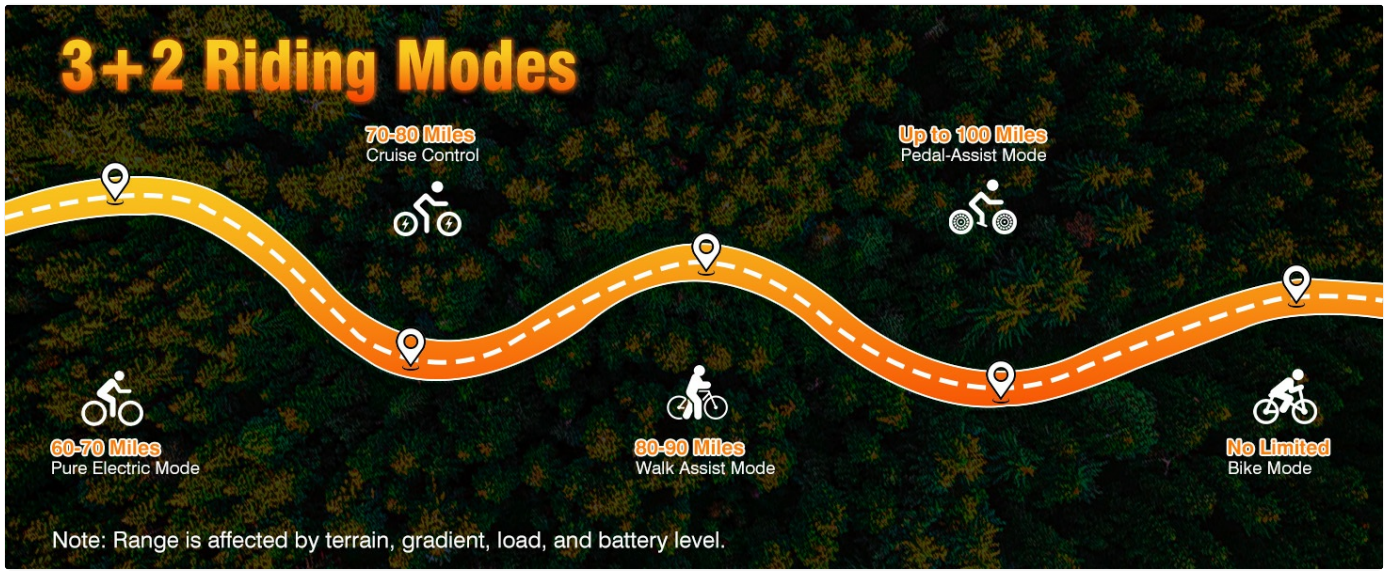


Image: A graphic illustrating the extended battery life and range of the Misodo GT16's 48V 30Ah battery.

Troubleshooting

If you encounter issues with your Misodo GT16, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged, NFC card not detected, loose battery connection.	Charge battery, ensure NFC card is correctly used, check battery connections.
Motor not assisting (PAS mode).	PAS level set to 0, sensor issue, low battery.	Increase PAS level, check sensor connections, charge battery.
Brakes feel weak or spongy.	Worn brake pads, air in hydraulic line, misaligned caliper.	Inspect/replace pads, bleed brakes (professional service recommended), adjust caliper.
Unusual noises during operation.	Loose components, dry chain, motor issue.	Check all fasteners, lubricate chain, contact support if motor noise persists.

If you cannot resolve an issue using this table, please contact Misodo customer support.

Specifications

Feature	Detail
Model Name	GT16
Motor	5500W Peak Brushless Motor (750W Continuous)
Top Speed	Up to 40 MPH (64 km/h)
Battery	48V 30Ah (1440Wh) Removable Lithium Battery with Smart BMS
Max Range	Up to 100 miles (160 km) in PAS mode (varies by load/terrain)
Charging Time	4-6 hours (Fast Charging)
Max Torque	Up to 200 N·m
Climbing Ability	45° Slope
Brakes	Dual Hydraulic Disc Brakes (203mm rotors)
Suspension	Full Suspension (Front Hydraulic Fork, 2000lb Rear Shock)
Tires	16" x 3.0" Puncture-Resistant Off-Road Motorcycle Tires
Gears	7-Speed Manual Transmission
Pedal Assist System	5 Levels
Unlock Function	NFC Card & Password Unlock
Frame Material	Alloy Steel
Max Capacity	365 lbs (165 kg)
Item Weight	99.2 lbs (45 kg)
Recommended Height	4'9" - 6'6" (145 cm - 198 cm)



Image: Visual representation of the Misodo GT16's dimensions, weight, and recommended rider height.

Warranty and Support

Warranty Information

The Misodo Electric Dirt Bike GT16 comes with a**36-month full warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage resulting from misuse, accidents, unauthorized modifications, or failure to perform proper maintenance as outlined in this manual.

Customer Support

For any questions, technical assistance, or warranty claims, please contact Misodo customer support. You can find contact information by locating your order on Amazon and reaching out to the seller, "Misodo Direct". Misodo Support is committed to providing a safe and satisfying riding experience and will respond as soon as possible.

For more information, you may also visit theMisodo Store on Amazon.

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

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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

Answered questions about this manual

How can I fix my Misodo GT16 electric bike if the throttle only works when one of the brake sensors is unplugged?

On the Misodo GT16, the brake sensors act as a safety cutoff; if the sensor detects the brake is being pulled (or if the sensor is faulty/shorted), it will disable the motor and throttle....

Read full answer