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Misodo F30

Misodo F30 Electric Dirt Bike User Manual

Model: F30 | Brand: Misodo

1. Introduction and Safety Information

Thank you for choosing the Misodo F30 Electric Dirt Bike. This manual provides essential information for the safe assembly, operation, and maintenance of your electric dirt bike. Please read this manual thoroughly before your first ride and keep it for future reference.

1.1 General Safety Guidelines

- Always wear a helmet and appropriate protective gear, including gloves, eye protection, and sturdy footwear, when riding.
- Familiarize yourself with local laws and regulations regarding electric bikes and off-road vehicles before riding.
- Perform a pre-ride inspection before each use, checking brakes, tires, battery level, and all fasteners.
- Do not ride under the influence of alcohol or drugs.
- Maintain a safe speed and distance from other riders and obstacles.
- Avoid riding in adverse weather conditions such as heavy rain, snow, or ice.
- The Misodo F30 is designed for off-road use. Exercise caution when riding on public roads, if permitted by local laws.

2. Product Overview

The Misodo F30 is a high-performance electric dirt bike designed for adults and teens, offering robust power and durability for various terrains.

2.1 Key Features

- **Motor:** 3000W Peak (750W Continuous) Brushless Hub Motor, capable of reaching speeds up to 36 MPH and climbing 45° slopes.
- **Battery:** Removable 48V 25Ah Lithium Battery with integrated Smart BMS, providing up to 100 miles range in Pedal Assist System (PAS) mode.
- **Brakes:** 203mm Dual Hydraulic Brakes for enhanced stopping power and heat dissipation.
- **Suspension:** Dual suspension system featuring a front hydraulic fork and a 2000lb rear shock absorber for a smooth ride on rugged terrain.
- **Tires:** 16-inch all-terrain tires with a progressive tread pattern, cold-resistant compound, and cut-resistant coating

for superior grip and puncture resistance.

- **Control:** Advanced 5-Level Pedal Assist System (PAS), 7-Speed manual shifter, and NFC Unlock function with an intelligent LCD display.
- **Frame:** High-carbon steel frame designed for durability and impact resistance.

2.2 Components Diagram

Refer to the images below for a visual representation of the main components of your Misodo F30 Electric Dirt Bike.

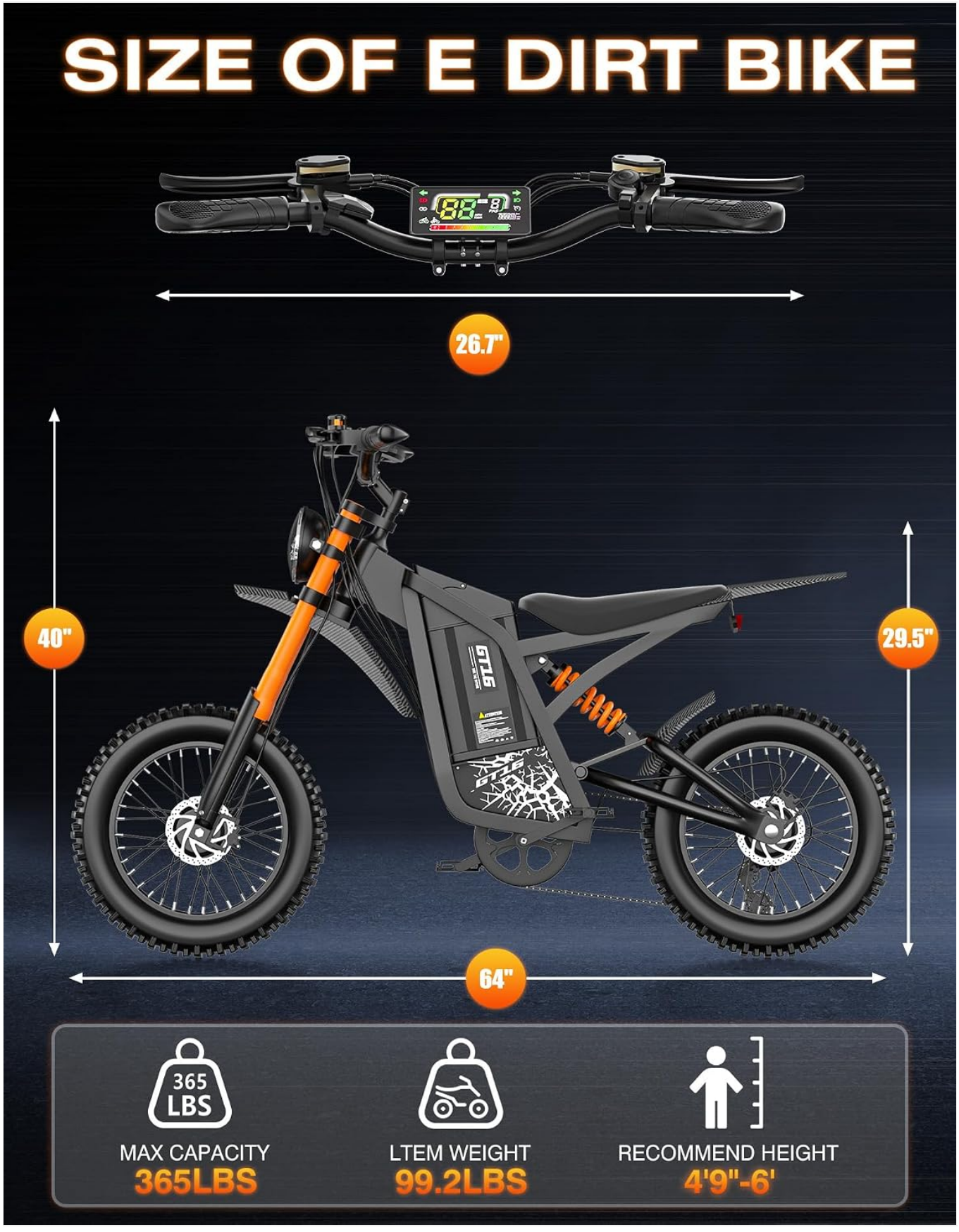


Image: Rear wheel and 3000W peak brushless motor.



Image: Removable 48V 25Ah lithium battery.



Image: Front wheel with 203mm dual hydraulic brake system.



Image: Dual suspension system (front fork and rear shock).

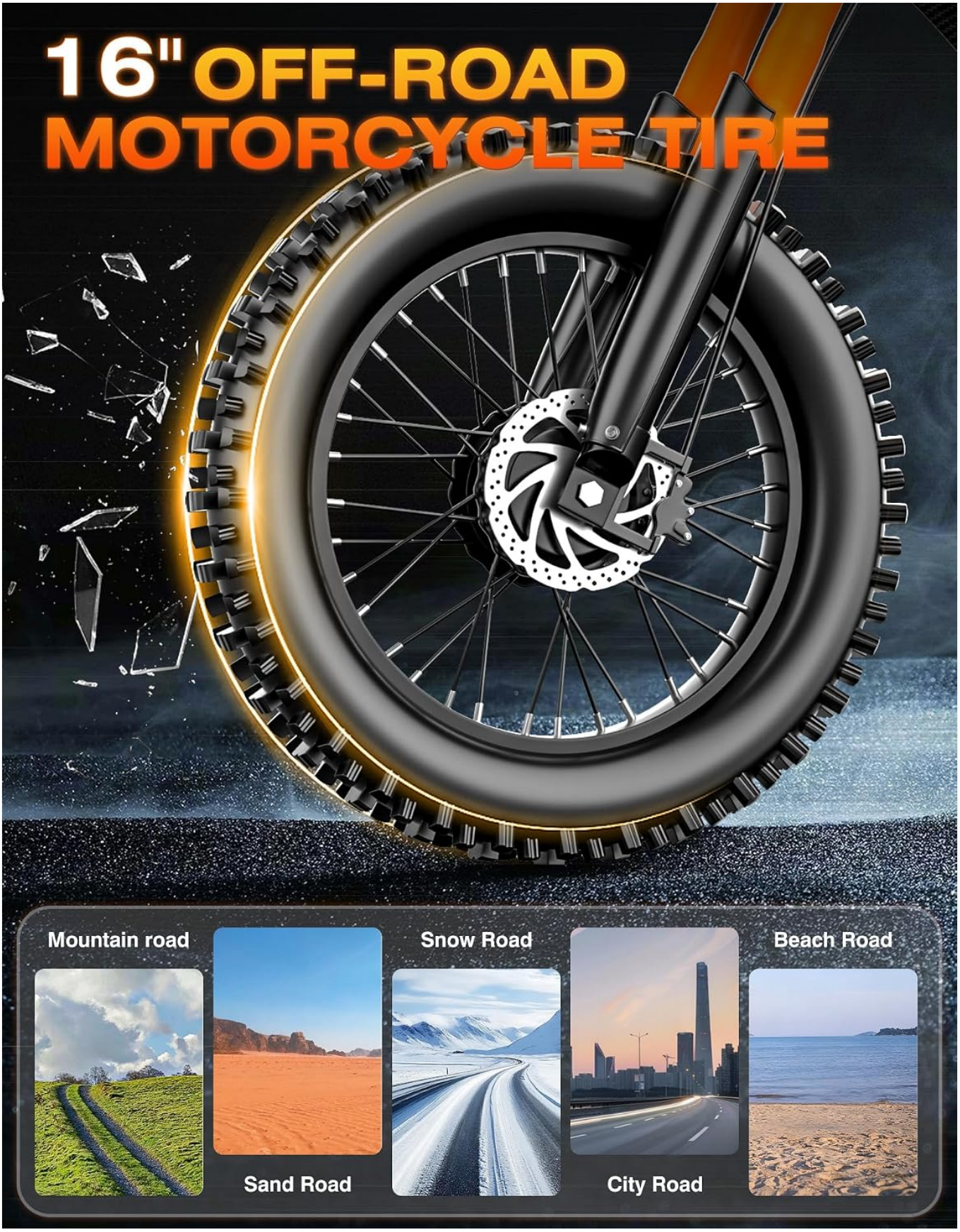


Image: Intelligent LCD display.

3. Setup and Assembly

Your Misodo F30 Electric Dirt Bike arrives 90% pre-assembled, requiring minimal final assembly. Please follow these steps carefully.

3.1 Included Components

- Misodo F30 Electric Dirt Bike (main unit)
- Charger
- Installation tools (1 set)
- NFC keys (2 pieces)

3.2 Assembly Steps

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely. Adjust the angle for comfortable riding.
3. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms by hand, then tighten with a wrench. Note that the left pedal has a reverse thread.
4. **Front Fender:** Install the front fender, ensuring it is correctly oriented and securely fastened.
5. **Battery Installation:** Ensure the removable battery is securely seated in its compartment.
6. **Pre-Ride Check:** Before your first ride, double-check all bolts, nuts, and quick releases to ensure they are properly tightened. Inspect tire pressure and brake function.



Image: Fully assembled Misodo F30 Electric Dirt Bike.

4. Operating Instructions

4.1 Powering On/Off and NFC Unlock

- To power on the bike, place an NFC key near the designated NFC reader on the display. The LCD screen will activate.

- To power off, repeat the NFC key action or hold the power button on the display (if available, refer to specific display instructions).

4.2 LCD Display Functions

The intelligent LCD screen provides real-time information:

- Current Speed (MPH/KMH)
- Battery Level Indicator
- Pedal Assist System (PAS) Level (1-5)
- Mileage (Odometer/Trip)
- Error Codes (if any)

4.3 Riding Modes

- **Pedal Assist System (PAS):** The bike offers 5 levels of pedal assistance. Select a level using the controls on the handlebars. Higher levels provide more motor assistance.
- **Pure Electric Mode:** Engage the throttle for motor power without pedaling.
- **Manual Shifter:** Use the 7-speed manual shifter to change gears, adapting to terrain and desired pedaling effort.
- **Cruise Control Mode:** Refer to the specific display instructions for activating and deactivating cruise control.
- **Walk Assist Mode:** This mode provides low-speed assistance for walking the bike. Refer to the specific display instructions for activation.

4.4 Braking System

The Misodo F30 is equipped with dual hydraulic disc brakes. Apply both front and rear brakes simultaneously for effective and controlled stopping. Practice braking in a safe area to understand their responsiveness.

4.5 Battery Charging

- Connect the charger to the bike's charging port and then to a standard power outlet.
- The charger indicator light will show charging status (e.g., red for charging, green for fully charged).
- The Smart BMS protects against overcharging, overheating, and over-discharging.
- Charging time is approximately 4-6 hours for a full charge.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your Misodo F30 Electric Dirt Bike.

5.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid completely draining the battery before recharging.

5.2 Tire Care

- Check tire pressure before each ride and inflate to the recommended PSI.
- Inspect tires for cuts, punctures, or excessive wear. Replace damaged tires promptly.

5.3 Brake System

- Regularly inspect brake pads for wear and replace them when necessary.

- Check brake levers for proper tension and responsiveness.
- Ensure hydraulic lines are free from leaks or damage.

5.4 General Inspection

- Periodically check all bolts, nuts, and fasteners for tightness.
- Keep the chain clean and lubricated.
- Clean the bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.

6. Troubleshooting

This section addresses common issues you might encounter with your Misodo F30 Electric Dirt Bike.

Problem	Possible Cause	Solution
Bike does not power on	Low battery, battery not connected, NFC key not detected, loose wiring.	Charge the battery. Ensure battery is fully seated. Re-attempt NFC unlock. Check all visible cable connections.
Motor not assisting	PAS level too low, battery low, motor connection issue, sensor malfunction.	Increase PAS level. Charge battery. Check motor cable connections. If issue persists, contact support.
Brakes feel weak or spongy	Worn brake pads, air in hydraulic lines, low brake fluid, misaligned calipers.	Inspect and replace brake pads. Consult a professional for hydraulic system bleeding or fluid top-up. Adjust caliper alignment.
Headlight does not turn off	Switch malfunction, wiring issue.	Consult the specific display manual for headlight controls. If unable to resolve, contact customer support.
Unusual noises during operation	Loose components, chain issues, brake rub, motor issue.	Inspect all fasteners. Check chain tension and lubrication. Ensure brake calipers are not rubbing. If motor noise, contact support.

If you encounter an issue not listed here or cannot resolve a problem, please contact Misodo customer support for assistance.

7. Specifications

The following table outlines the key technical specifications for the Misodo F30 Electric Dirt Bike.

Feature	Specification
Model Name	F30
Bike Type	Fat Tire Electric Bike, Electric Motorcycle, Moped Style Ebike
Motor	3000W Peak (750W Continuous) Brushless Hub Motor
Battery	48V 25Ah Removable Lithium Battery (1200Wh) with BMS protection
Top Speed	Up to 36 MPH

Feature	Specification
Max Range	Up to 100 miles (in PAS mode)
Climbing Ability	45° Slope
Brake Style	Dual Hydraulic Brakes (203mm rotors)
Suspension Type	Dual (Front Hydraulic Fork, 2000lb Rear Shock)
Wheel Size	16 Inches
Tires	16" All-Terrain Off-Road Tires
Frame Material	Alloy Steel
Number of Speeds	7
Max Load Capacity	365 lbs
Item Weight	99.2 lbs
Recommended Rider Height	4'9" - 6'
Special Features	NFC Unlock Function, 5-Level PAS, LCD Display, LED Lighting System



Image: Misodo F30 Electric Dirt Bike dimensions and weight specifications.

8. Warranty and Support

8.1 Warranty Information

The Misodo F30 Electric Dirt Bike 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 caused by improper assembly or maintenance.
- Damage resulting from accidents, misuse, neglect, or unauthorized modifications.
- Normal wear and tear of components such as tires, brake pads, and chains.

8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Misodo F30 Electric Dirt Bike, please contact Misodo customer support. Refer to the contact information provided with your purchase or visit the official Misodo website.

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.

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