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Yozma IN10

Yozma IN10 Electric Dirt Bike User Manual

Model: IN10

1. INTRODUCTION

Welcome to the Yozma IN10 Electric Dirt Bike user manual. This document provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new electric dirt bike. Please read this manual thoroughly before operating the vehicle to ensure optimal performance and rider safety.



Figure 1: Yozma IN10 Electric Dirt Bike Overview

2. SAFETY INFORMATION

Your safety is paramount. Always adhere to the following safety guidelines:

- **Wear Protective Gear:** Always wear a helmet, eye protection, gloves, and appropriate riding attire.
- **Understand Local Laws:** Familiarize yourself with and obey all local laws and regulations regarding electric dirt bike operation.
- **Pre-Ride Inspection:** Before each ride, check tire pressure, brake function, battery level, and ensure all fasteners are secure.
- **Avoid Hazardous Conditions:** Do not ride in adverse weather conditions, on slippery surfaces, or in areas with poor visibility.
- **Rider Age and Weight Limits:** This bike is designed for riders aged 13 and above, with a maximum load capacity of 265 lbs (120 kg).
- **Battery Safety:** Use only the provided charger. Do not modify the battery or expose it to extreme temperatures.

3. PACKAGE CONTENTS

Upon unpacking, verify that all the following components are present:

- Yozma IN10 Electric Dirt Bike (partially assembled)
- 48V/23AH Battery (pre-installed or separate)
- Battery Charger
- Headlight
- Mudguard
- Tool Kit
- User Manual (this document)

4. SETUP AND ASSEMBLY

The Yozma IN10 Electric Dirt Bike comes mostly pre-assembled. Final assembly typically involves attaching the front wheel, handlebars, brake levers, and headlight.

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.
3. **Front Wheel Attachment:** Install the front wheel, making sure the axle is properly seated and secured.
4. **Brake Lever Adjustment:** Position the brake levers for comfortable reach and ensure they operate smoothly. The hydraulic brakes are pre-filled.
5. **Headlight and Mudguard:** Mount the headlight and front mudguard as per the included diagrams.
6. **Initial Battery Charge:** Fully charge the battery before the first use. Refer to the "Battery Charging" section for details.



Figure 2: Yozma IN10 Dimensions and Specifications

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To power on the bike, insert the key into the ignition and turn it to the ON position. The display will illuminate. To power off, turn the key to the OFF position.



Figure 3: Handlebar Display and Ignition

5.2 Throttle and Speed Control

The Yozma IN10 features a twist throttle for acceleration. Gently twist the throttle to engage the motor and control your speed. The bike offers 3 speed modes, which can typically be selected via a button on the display panel. The display shows your current speed (MPH) and battery level.

5.3 Braking System

The bike is equipped with dual hydraulic disc brakes and an Electronic Anti-lock Braking System (EABS) for reliable stopping power.

- **Front Brake:** Operated by the right-hand lever.
- **Rear Brake:** Operated by the left-hand lever.
- **Brake Light:** The rear brake light illuminates and flickers when brakes are applied, enhancing visibility.



Figure 4: Dual Hydraulic Brake System

5.4 Battery Usage and Range

The 48V/23AH UL-certified removable battery provides a maximum range of 63 miles under optimal conditions. The Battery Management System (BMS) ensures safe charging and discharge.



Figure 5: Removable Battery with BMS

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Yozma IN10.

- **Battery Care:**

- Charge the battery fully after each use.
- Avoid completely draining the battery.
- Store the bike and battery in a cool, dry place when not in use.
- Do not expose the battery to direct sunlight or extreme temperatures.

- **Tire Pressure:** Regularly check and maintain the recommended tire pressure for optimal performance and safety. The 14" front and 12" rear fat tires are designed for off-road stability.

- **Brake Inspection:**

- Inspect brake pads for wear and replace if necessary.
- Ensure brake levers operate smoothly and provide firm stopping power.
- Check hydraulic lines for any leaks or damage.

- **General Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.

- **Suspension Check:** Periodically inspect the front hydraulic suspension and rear nitrogen suspension for proper function and any signs of damage.

- **Fasteners:** Ensure all bolts and nuts are tightened to the manufacturer's specifications.



TWIST TO GO

One key, dual protection, twist to go.
Key ignition plus lockable seat for peace of mind.

Figure 6: Premium Full Suspension System

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Bike does not power on.	Battery low or not connected; ignition key off.	Charge battery; ensure battery is properly seated; turn ignition key to ON.
Reduced range or power.	Low battery charge; improper tire pressure; riding conditions (e.g., steep hills, heavy load).	Fully charge battery; check and adjust tire pressure; consider riding style and terrain.
Brakes feel spongy or ineffective.	Worn brake pads; air in hydraulic lines; low brake fluid.	Inspect and replace brake pads; consult a qualified technician for hydraulic system service.
Unusual noises during operation.	Loose components; debris in moving parts; motor issue.	Inspect for loose parts and tighten; clean bike thoroughly; contact support if noise persists.

8. SPECIFICATIONS

Feature	Detail
Model Name	IN10
Bike Type	Electric Dirt Bike
Motor	2600W Peak Mid-Drive Motor
Max Speed	40 MPH
Battery	48V/23AH, UL-Certified, Removable, BMS System
Max Range	63 Miles
Suspension	Dual (Front Hydraulic 220mm Travel, Rear Nitrogen Damping)

Feature	Detail
Brakes	Dual Hydraulic Disc Brakes with EABS
Tire Size	14" Front / 12" Rear Fat Tires
Frame Material	Carbon Steel
Waterproof Rating	IPX6
Recommended Age	13+
Recommended Rider Height	3.94 ft - 5.9 ft
Net Weight	121 lbs (54.9 kg)
Max Load Capacity	265 lbs (120 kg)
Seat Height	28.4 inches (72 cm)
Included Components	Battery, Charger, Headlight, Mudguard, Tool Kit

9. WARRANTY AND SUPPORT

The Yozma IN10 Electric Dirt Bike comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

For technical assistance, warranty claims, or to order replacement parts, please contact Yozma customer support. Refer to the official Yozma website or your purchase documentation for contact details.

