

## Oryxearth X2-1K7A-TB37-1

# Oryxearth 105cc 4-Stroke Gas Powered Mini Bike Instruction Manual

Model: X2-1K7A-TB37-1

## 1. INTRODUCTION

This manual provides essential information for the safe operation, assembly, and maintenance of your Oryxearth 105cc 4-Stroke Gas Powered Mini Bike. Please read this manual thoroughly before operating the mini bike to ensure proper use and to prevent injury or damage. Keep this manual for future reference.

### 1.1 Important Safety Information

**WARNING: Operating this mini bike can be dangerous. Always wear appropriate safety gear, including a helmet, eye protection, gloves, and sturdy footwear. Adult supervision is required for minors. This product is intended for off-road use only. Do not operate on public roads.**

**Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.**

## 2. PRODUCT OVERVIEW

The Oryxearth 105cc 4-Stroke Mini Bike is designed for off-road trail use, featuring a powerful 105cc 4-stroke engine and automatic transmission. It is suitable for riders between 4.27 ft and 5.9 ft tall, with a maximum weight capacity of 185 lbs.



Figure 2.1: Oryxearth 105cc 4-Stroke Gas Powered Mini Bike in Blue Camo.

## 2.1 Key Features

- **Engine:** 105cc 4-Stroke OHV, EPA approved for environmental safety.
- **Transmission:** Fully automatic chain drive system.
- **Starting System:** Easy pull start.
- **Brakes:** Strong rear disc brake for reliable stopping power.
- **Tires:** Low-pressure pneumatic knobby tires for off-road grip and a smooth ride.
- **Frame:** Sturdy metal tube steel for enhanced stability and durability.
- **Speed:** Up to 24 mph.
- **Fuel Capacity:** 0.32 gallons, providing approximately 30 miles of cruising range.



Weight up to  
**185LBS**

Height  
**4.27FT-5.9FT**



**Engine:** 105cc 4-Stroke OHV

**Seat Size:** 18"(L) x 7"(W)

**Engine Start:** Pull Start

**Seat Height:** 23.0" (H)

**Brake:** Rear Disc

**Speed:** Up to 24mph

**Fuel:** Unleaded Petrol

**Range:** 30 Miles

Figure 2.2: Product dimensions and key specifications.

**ORYXEARTH**

# Mini Dirt Bike

105CC 4-Stroke Gas Powered

## 4-STROKE

**Long Life, Low Failure Rate**

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**High Stability, Low Noise,  
Suitable for Long-term Use**

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**Low Fuel Consumption**

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**High Combustion Efficiency**

**VS**

## 2-STROKE

**Short Life, High Failure Rate**

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**Low Stability, Loud Noise**

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**High Fuel and  
Lubricant Consumption**

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**Poor Combustion  
Efficiency, High Pollution**

Figure 2.3: Advantages of the 4-stroke engine used in this mini bike.

## Low Pressure Off-Road Knobby Tires

Provide a soft & smooth ride



## Safety Designs for Off Road Adventure



## Strong Rear Disc Brake

Slow down or stop quickly and steadily

Figure 2.4: Detail of the off-road tires and rear disc brake for safety and performance.

### 3. SETUP AND ASSEMBLY

Your Oryxearth Mini Bike comes 90% pre-assembled. Only minimal assembly is required before first use.

#### 3.1 Required Assembly Steps

1. **Handlebar Clamp:** Attach and secure the handlebar using the provided clamp and bolts. Ensure it is centered and tightened securely.
2. **Front Tire:** Install the front tire onto the fork. Ensure all fasteners are properly tightened.

#### 3.2 Initial Fluid Checks

1. **Engine Oil:** Before starting, add 10W-30 or higher engine oil to the engine. Refer to the engine's dipstick for the correct fill level. Ensure the bike is on a level surface.
2. **Fuel:** Fill the fuel tank with gasoline having an octane rating of 87 or higher. **Do not use ethanol-blended fuels** as they can cause carburetor problems.



## 4. OPERATING INSTRUCTIONS

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Follow these steps for safe and effective operation of your mini bike.

### 4.1 Pre-Ride Checklist

- Check tire pressure.
- Verify brake functionality.
- Ensure all nuts and bolts are tight.
- Check fuel and oil levels.
- Confirm throttle operates smoothly and returns to idle.
- Wear all required safety gear.

### 4.2 Starting the Engine

1. Turn the fuel valve to the 'ON' position.
2. If the engine is cold, apply choke.
3. Locate the pull start handle.
4. Pull the handle firmly and smoothly until the engine starts. Release the handle slowly.
5. Once the engine is running, gradually push the choke lever to the 'OFF' position as the engine warms up.

### 4.3 Riding

- The mini bike features an automatic transmission. To move forward, slowly twist the throttle grip towards you.
- Increase throttle gradually for smooth acceleration.
- Maintain a comfortable and balanced riding posture.
- Always be aware of your surroundings and potential obstacles.



Figure 4.1: Rider demonstrating proper use of the mini bike on a trail.

## 4.4 Braking

- To slow down or stop, release the throttle and apply the rear disc brake lever.
- Apply brakes smoothly to avoid skidding, especially on loose or wet surfaces.

## 4.5 Stopping the Engine

- To stop the engine, press the engine kill switch located on the handlebar.
- Turn the fuel valve to the 'OFF' position after each use.

# 5. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your mini bike.

## 5.1 Engine Oil

- Check engine oil level before each ride.

- Change engine oil periodically as recommended in the engine manual (typically after the first 5 hours, then every 25-50 hours of operation).
- Use 10W-30 or higher engine oil.

## 5.2 Fuel System

- Always use fresh gasoline with an octane rating of 87 or higher.
- Avoid ethanol-blended fuels to prevent carburetor issues.
- Turn off the fuel valve when not in use to prevent fuel leaks and evaporation.

## 5.3 Tires

- Check tire pressure before each ride. Refer to the tire sidewall for recommended pressure.
- Inspect tires for wear, cuts, or punctures.

## 5.4 Drive Chain

- Inspect the drive chain regularly for proper tension and lubrication.
- Lubricate the chain with appropriate chain lubricant every few rides or after riding in wet conditions.

## 5.5 General Inspection

- Periodically check all nuts, bolts, and fasteners for tightness.
- Clean the mini bike after each use, especially after riding in muddy or dusty conditions.

# 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your mini bike.

## 6.1 Engine Does Not Start

- **No Fuel:** Check fuel level and ensure the fuel valve is open.
- **No Spark:** Check spark plug. Ensure the kill switch is not engaged.
- **Choke:** Ensure choke is applied if the engine is cold.
- **Old Fuel:** Drain old fuel and refill with fresh, non-ethanol gasoline.

## 6.2 Engine Runs Rough or Stalls

- **Fuel Quality:** Ensure fresh, non-ethanol gasoline is used.
- **Carburetor:** A dirty or clogged carburetor can cause rough running. Professional cleaning or adjustment may be required.
- **Spark Plug:** Inspect and clean or replace the spark plug if it is fouled.
- **Idle Adjustment:** The idle speed may need adjustment.

## 6.3 Brakes Not Effective

- **Brake Cable:** Check the brake cable for proper tension and adjustment.
- **Brake Pads:** Inspect brake pads for wear. Replace if necessary.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact customer



service.

## 7. SPECIFICATIONS

Feature	Specification
Bike Type	Dirt Bike
Model Name	mini dirt bike
Engine	105cc 4-Stroke
Max Speed	24 mph
Fuel Capacity	0.32 gallons
Cruising Range	Approx. 30 miles
Transmission	Automatic
Brake Style	Rear Disc
Wheel Size	14.5 Inches
Suspension Type	Front
Item Weight	76.1 Pounds
Product Dimensions	50 x 26.7 x 33 inches
Maximum Weight Recommendation	185 Pounds
Minimum User Height	51 Inches
Assembly Required	Yes (90% Pre-assembled)

## 8. WARRANTY AND SUPPORT

Oryxearth is committed to providing reliable products and customer service.

### 8.1 Warranty Information

- **Engine Warranty:** 90 days from the date of purchase.
- **Parts Warranty:** 60 days from the date of purchase.
- This warranty covers manufacturing defects. It does not cover damage due to misuse, neglect, or normal wear and tear.

# FREE PRE-PAID RETURN LABEL PROVIDED WITHIN 60 DAYS



Engine Warranty:  
**90 Days**



Parts Warranty:  
**60 Days**



Figure 8.1: Summary of warranty coverage.

## 8.2 Returns

If you wish to return this off-road motorcycle within the 60-day warranty period, Oryxearth provides a pre-paid free return label.

## 8.3 Customer Service

For any questions, concerns, or support needs, please contact Oryxearth customer service:

- **Availability:** 365-day customer service via email and phone call support during business hours.
- Contact information can typically be found on the official Oryxearth website or your purchase documentation.

