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› [KXD](#) /

› [KXD M5 Quad Mini ATV 49cc Instruction Manual](#)

KXD M5 (Model 172651750)

KXD M5 Quad Mini ATV 49cc Instruction Manual

Model: M5 (172651750)

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your KXD M5 Quad Mini ATV 49cc. Please read this manual thoroughly before operating the ATV to ensure proper use and to prevent injury or damage. Keep this manual for future reference.

2. SAFETY INFORMATION

Operating an ATV can be hazardous. Failure to follow safety instructions can result in serious injury or death. This ATV is designed for off-road use only and is not street legal.

2.1 General Safety Rules

- Always wear approved safety gear, including a helmet, eye protection, gloves, long pants, and sturdy boots.
- Adult supervision is required for all riders, especially children.
- Do not allow children under the recommended age to operate this ATV.
- Never carry passengers. This ATV is designed for a single rider.
- Do not operate the ATV under the influence of alcohol or drugs.
- Inspect the ATV before each ride. Check brakes, tires, fuel, and controls.
- Operate at a safe speed appropriate for the terrain and your skill level.
- Avoid paved surfaces. This ATV is designed for off-road use only.

2.2 Fuel Safety

- Gasoline is highly flammable. Handle with extreme care.
- Refuel in a well-ventilated area with the engine off and cool.
- Do not smoke or allow open flames near fuel.

- Store fuel in an approved container away from heat sources.

3. PRODUCT OVERVIEW

The KXD M5 Quad Mini ATV is a 49cc gasoline-powered vehicle designed for recreational use. It features a two-stroke engine, chain drive, and disc brakes for control.

3.1 Key Components

- **Handlebars:** For steering and control.
- **Throttle:** Controls engine speed.
- **Brake Levers:** Activates disc brakes (front and rear).
- **Engine:** 49cc two-stroke, air-cooled.
- **Pull Start:** Manual starting mechanism.
- **Fuel Tank:** Capacity of 2.41 liters.
- **Tires:** 4.10-4 for optimal grip on various terrains.
- **Choke Lever:** Used for cold starting the engine.



Figure 1: Side view of the KXD M5 Quad Mini ATV, showcasing its orange and black body, handlebars, seat, and wheels.



Figure 2: Front three-quarter view of the KXD M5 Quad Mini ATV, highlighting the front suspension, tires, and protective bumper.

4. SETUP

4.1 Unpacking and Assembly

1. Carefully remove the ATV and all components from the packaging.
2. Inspect for any shipping damage. Contact your dealer immediately if damage is found.
3. Assemble any components that are not pre-installed, such as handlebars or bumpers, following the specific instructions provided in the assembly guide (if separate). Ensure all bolts and fasteners are securely tightened.

4.2 Initial Checks

- **Tire Pressure:** Check and adjust tire pressure to the recommended levels (refer to tire sidewall for specifications).
- **Brakes:** Verify that both front and rear disc brakes engage smoothly and effectively. Adjust cable tension if necessary.
- **Fuel Lines:** Ensure all fuel lines are securely connected and free from leaks.
- **Controls:** Confirm that the throttle operates smoothly and returns to the idle position when released. Check steering for full range of motion without binding.

5. OPERATING INSTRUCTIONS

5.1 Fueling the ATV

The KXD M5 uses a 49cc two-stroke engine, requiring a specific gasoline and two-stroke oil mixture.

- **Fuel Type:** Use unleaded gasoline mixed with high-quality two-stroke engine oil at a ratio of **1:25 (oil to**

gasoline).

- Carefully pour the mixed fuel into the fuel tank (capacity 2.41 L), avoiding spills. Securely close the fuel cap.

5.2 Starting the Engine

1. Ensure the ATV is on a level surface with the brakes applied.
2. If the engine is cold, engage the choke lever.
3. Grip the pull start handle firmly and pull it out smoothly and quickly until the engine starts. Do not pull the cord to its full extension.
4. Once the engine starts, gradually disengage the choke as the engine warms up.

5.3 Driving

- Slowly apply the throttle to begin moving.
- Steer by turning the handlebars.
- Maintain a safe speed and be aware of your surroundings.

5.4 Braking and Stopping

- To slow down or stop, gradually release the throttle and gently apply the brake levers.
- For emergency stops, apply both brakes firmly.
- To turn off the engine, locate the engine kill switch (usually on the handlebars) and press it.

6. MAINTENANCE

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

6.1 Daily Checks (Before Each Ride)

- Check tire pressure.
- Test brake function.
- Inspect chain tension and lubrication.
- Check for loose bolts or damaged parts.
- Ensure sufficient fuel.

6.2 Regular Maintenance

- **Chain Maintenance:** Keep the drive chain clean and properly lubricated. Adjust tension as needed to prevent excessive slack.
- **Brake System:** Periodically inspect brake pads for wear and replace if necessary. Check brake cables for fraying or damage.
- **Air Filter:** Clean or replace the air filter regularly, especially when operating in dusty conditions.
- **Spark Plug:** Inspect and clean the spark plug. Replace if worn or fouled.
- **Fuel System:** Drain the fuel tank and carburetor if storing the ATV for an extended period.
- **General Cleaning:** Clean the ATV after each ride to remove dirt and debris. Avoid using high-pressure

washers directly on electrical components or bearings.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your KXD M5 Quad Mini ATV.

7.1 Engine Won't Start

- **No Fuel:** Check if the fuel tank has enough fuel (correct 1:25 mix).
- **Choke Position:** Ensure the choke is engaged for a cold start and disengaged once warm.
- **Spark Plug:** Check the spark plug for fouling or damage. Clean or replace if necessary.
- **Kill Switch:** Ensure the engine kill switch is in the 'RUN' position.

7.2 Loss of Power

- **Fuel Quality:** Ensure you are using the correct 1:25 fuel mix. Stale fuel can cause issues.
- **Air Filter:** A clogged air filter can restrict airflow. Clean or replace it.
- **Spark Plug:** A worn or fouled spark plug can lead to poor engine performance.

7.3 Braking Issues

- **Brake Pads:** Inspect brake pads for wear. Replace if worn thin.
- **Cable Adjustment:** Adjust brake cable tension if brakes feel too loose or too tight.

8. SPECIFICATIONS

Feature	Specification
Brand	KXD
Model Number	172651750
Engine Type	49cc, Single Cylinder, Two-Stroke, Air-Cooled
Fuel Type	1:25 (Oil/Gasoline Mix)
Fuel Tank Capacity	2.41 Liters
Transmission	Chain Drive
Tires (Front/Rear)	4.10-4
Max Speed	Approx. 45 km/h
Starting System	Pull Start (Plastic)
Brakes	Disc Brake
Empty Weight	42 kg

Maximum Load	60 kg
Seat Height (from ground)	47 cm
Vehicle Dimensions (L x W x H)	106 x 61.5 x 66.5 cm
Packaging Dimensions (L x W x H)	100 x 56 x 45 cm

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided at the time of purchase or contact your authorized KXD dealer or the seller directly. Keep your proof of purchase for warranty claims.

