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› Tiakia Mini Bike Pump TK-HQ54 Instruction Manual

Tiakia TK-HQ54

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Model: TK-HQ54

INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your Tiakia Mini Bike Pump. Please read this manual thoroughly before first use and retain it for future reference. This pump is designed for inflating bicycle tires with Schrader, Presta, and Woods valves, and can also be used for various inflatables with the included adapters.



Image: Overview of the Tiakia Mini Bike Pump, highlighting its aluminum alloy construction, valve compatibility, dual-use design (hand and floor), maximum pressure rating, and portable dimensions.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Tiakia Mini Bike Pump
- 2 x Adapters for Dunlop Valve
- 2 x Adapters for Swimming Ring
- 2 x Adapters for Ball
- 1 x Velcro Strap
- 1 x Mounting Bracket
- 1 x Storage Bag
- 1 x Instruction Manual (this document)



Image: All components included with the Tiakia Mini Bike Pump, laid out next to its packaging.

SETUP

1. Mounting the Pump on Your Bike

The pump can be conveniently mounted on your bicycle frame using the included bracket and Velcro strap.

1. Locate the water bottle cage screw holes on your bike frame.
2. Attach the mounting bracket to these holes using the provided screws.
3. Secure the pump into the bracket.
4. Use the Velcro strap to further secure the pump to the frame, preventing movement during rides.

More Portable



Fixed Frame

The pump can be attached on the bike.



Storage Bag

The pump can be stored well in the backpack.



Image: The Tiakia Mini Bike Pump securely attached to a bicycle frame, illustrating the mounting process.

2. Understanding Valve Compatibility

The pump is compatible with Schrader (AV), Presta (SV), and Woods (DV) valves. The hose head is designed for easy conversion.

- **Schrader Valve:** The default configuration of the hose head.
- **Presta Valve:** Unscrew the outer cap of the hose head, reverse the internal components, and re-screw the cap to convert to Presta. Ensure the small nut at the top of the Presta valve is loosened before pumping.
- **Dunlop (Woods) Valve:** Similar to Schrader, but may require a specific adapter if the default Schrader setting does not fit securely.

Multipurpose Nozzle



NOTE: Loosen the small nut at the top of the Presta valve before pumping the tires of the Presta valve.

Image: Visual guide demonstrating the multi-purpose nozzle's configuration for Schrader, Dunlop, and Presta valves.

Your browser does not support the video tag.

Video: This video demonstrates the commodity display, highest pressure test, and usage method of the Tiakia Mini Bike Pump, including how to convert the valve for Presta.

OPERATING INSTRUCTIONS

1. Inflating Bicycle Tires

- 1. Prepare the Valve:** For Presta valves, unscrew the small nut at the top of the valve stem. For Schrader and Woods valves, remove the valve cap.
- 2. Attach the Hose:** Screw the pump's hose head securely onto the tire valve. Ensure a tight seal to prevent air leakage.
- 3. Choose Pumping Method:**
 - **Handheld:** Hold the pump firmly with one hand and operate the plunger with the other.
 - **Floor Use:** Extend the small foot pedal at the base of the pump. Place your foot on the pedal for stability and pump using the handle. This method can reduce effort, especially for higher pressures.
- 4. Pump Air:** Push and pull the plunger smoothly and consistently to inflate the tire. The pump can

achieve up to 210 PSI.

5. **Monitor Pressure:** If you have a separate pressure gauge, periodically check the tire pressure to avoid over-inflation.
6. **Detach the Hose:** Once the desired pressure is reached, unscrew the hose head from the valve. For Presta valves, re-tighten the small nut and replace the valve cap.

Hand / Floor pump Dual-use

Even beginners or teens can use it easily.



Image: Demonstrates the dual-use functionality of the pump, allowing for both handheld and floor-supported inflation.

Pumping is Effortless



Image: Highlights the pump's internal design for efficient high-pressure inflation, featuring a vent valve.

2. Inflating Other Items (Balls, Swimming Rings, Toys)

Use the appropriate adapters provided for inflating various items:

1. Select the correct adapter (e.g., needle for balls, cone adapter for swimming rings).
2. Screw the adapter onto the pump's hose head.
3. Insert the adapter into the item's inflation port.
4. Pump air until the item is firm. Avoid over-inflation.
5. Remove the adapter.

With Valve Adapter

For football / balloons / swimming rings



Adapter for Balls x2



Adapter for Swimming rings x2



Image: Displays the included valve adapters for inflating sports balls, balloons, and swimming rings.

Your browser does not support the video tag.

Video: This video provides a general overview of the Tiakia Bike Pump, demonstrating its features and use for various inflation tasks.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your pump.

- **Cleaning:** Wipe the exterior of the pump with a damp cloth after use to remove dirt and debris. Avoid using harsh chemicals.
- **Lubrication:** Periodically, typically every few months depending on usage, the internal piston may require lubrication. To do this, carefully remove the plunger assembly and apply a small amount of silicone-based lubricant to the piston O-rings. Reassemble securely.
- **Storage:** Store the pump in its provided storage bag in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Hose Inspection:** Regularly check the rubber hose for any signs of cracks, wear, or damage. Replace if necessary to maintain an airtight seal.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Air leaks when pumping	Hose head not securely attached to valve; valve core loose; damaged hose or O-rings.	Ensure hose head is tightly screwed onto the valve. Check if the valve core is tightened. Inspect hose and O-rings for damage and replace if needed.
Difficulty reaching high pressure	Internal piston dry or worn; small air volume per stroke (normal for mini pumps).	Lubricate the piston O-rings (see Maintenance). Continue pumping; mini pumps require more strokes for high pressure.
Pump feels stiff or hard to operate	Lack of lubrication; internal debris.	Lubricate the piston O-rings. Disassemble and clean if debris is suspected.
Presta valve not inflating	Presta valve nut not loosened; pump head not correctly configured for Presta.	Ensure the small nut on the Presta valve stem is unscrewed before attaching the pump. Verify the pump head is configured for Presta valves.

SPECIFICATIONS

Feature	Detail
Model Number	TK-HQ54
Material	6063 Aluminum Alloy
Maximum Pressure	210 PSI / 14.5 Bar
Valve Compatibility	Schrader (AV), Presta (SV), Woods (DV)
Product Dimensions (L x W x H)	13.39" x 2.8" x 1.38" (approx. 34cm x 7.1cm x 3.5cm)
Item Weight	168 Grams
Power Source	Hand Pump (Manual)
Color	Silver Gray

WARRANTY

The Tiakia Mini Bike Pump (Model TK-HQ54) comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, modification, unauthorized repair, or normal wear and tear.

Please retain your proof of purchase for warranty claims.

SUPPORT

If you encounter any issues or have questions regarding your Tiakia Mini Bike Pump, please refer to the troubleshooting section first. If the problem persists or you require further assistance, please contact Tiakia

customer support through the retailer where the product was purchased or visit the official Tiakia website for contact information.

For more information and product updates, you may visit the [Tiakia Store on Amazon](#).