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## Prophete 20-inch Folding Bike

# Prophete 20-inch Aluminum Folding Bike User Manual

Model: 20-inch Folding Bike with 7-Speed Shimano Derailleur

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## 1. SAFETY INSTRUCTIONS

Read this manual completely before operating the bicycle. Failure to follow instructions can result in serious injury or property damage.

- Always wear a helmet when riding.
- Ensure all quick releases and folding mechanisms are securely locked before riding.
- Check brakes, tires, and gears before each ride.
- Do not exceed the maximum weight limit for the bicycle.
- Ride defensively and obey all traffic laws.
- Avoid riding in adverse weather conditions or at night without proper lighting.
- Regular maintenance is crucial for safe operation.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Prophete 20-inch Folding Bike (partially assembled)
- Water bottle holder
- Tool kit
- User Manual (this document)

## 3. SETUP AND INITIAL ASSEMBLY

Your Prophete folding bike comes partially assembled. Follow these steps to prepare it for use.

### 3.1 Unfolding the Bicycle

1. Place the folded bike on a flat surface.
2. **Unfold the frame:** Locate the main frame hinge (usually in the middle of the main tube). Release the safety latch and open the quick-release lever. Carefully unfold the frame until it forms a straight line. Secure the quick-release lever and engage the safety latch. Ensure it is firmly locked.
3. **Raise the handlebar post:** Loosen the quick-release lever on the handlebar post. Pull the handlebar post up to the desired height, ensuring the minimum insertion mark is not visible. Secure the quick-release lever.
4. **Unfold the handlebars:** If the handlebars are folded, release their quick-release mechanism and unfold them into riding position. Secure the quick-release.
5. **Adjust the seat post:** Loosen the quick-release lever on the seat post. Pull the seat post up to a comfortable riding height, ensuring the minimum insertion mark is not visible. Secure the quick-release lever.
6. **Unfold pedals (if applicable):** Some models have folding pedals. Push the pedal body towards the crank arm and rotate it down until it locks into place.



**Figure 3.1:** The Prophete 20-inch Aluminum Folding Bike in its fully unfolded and assembled state, ready for riding. This image shows the overall structure, including the frame, handlebars, seat, wheels, and rear rack.

### 3.2 Pre-Ride Checks

- **Tire Pressure:** Check tire pressure using a gauge. Inflate to the recommended PSI found on the tire sidewall.
- **Brakes:** Squeeze both brake levers. They should feel firm and engage the brakes effectively. Ensure brake pads are properly aligned with the wheel rim.
- **Gears:** Shift through all 7 gears while pedaling the bike (either by lifting the rear wheel or riding slowly). Ensure smooth and responsive shifting.
- **Quick Releases:** Double-check all quick-release levers (frame, handlebar post, seat post) are securely closed and latched.
- **Bolts and Nuts:** Briefly inspect visible bolts and nuts for tightness.

## 4. OPERATING THE BICYCLE

This section covers basic operation and folding procedures.

## 4.1 Riding

- **Starting:** Mount the bike, place one foot on a pedal, and push off with the other foot. Begin pedaling.
- **Shifting Gears:** Use the Shimano 7-speed shifter on the handlebar to change gears. Shift to a lower gear for climbing hills and a higher gear for flat terrain or descents. Shift smoothly and avoid shifting under heavy load.
- **Braking:** Use both front and rear brakes simultaneously for controlled stopping. Apply the rear brake slightly before the front brake. Avoid sudden, hard braking, especially with the front brake, to prevent skidding.
- **Steering:** Maintain a relaxed grip on the handlebars and steer gently.

## 4.2 Folding the Bicycle for Storage/Transport

To fold your Prophete bike for compact storage or transport:

1. **Lower the seat post:** Open the seat post quick-release and push the seat post all the way down. Close the quick-release. This often helps stabilize the bike when folded.
2. **Fold pedals (if applicable):** If your pedals fold, push the pedal body towards the crank arm and rotate it upwards.
3. **Fold handlebars:** Open the quick-release on the handlebar post. Lower the handlebar post completely. If the handlebars themselves fold, release their quick-release and fold them down. Secure all quick-releases.
4. **Fold the frame:** Release the safety latch and open the quick-release lever on the main frame hinge. Carefully fold the front half of the bike towards the rear half. Ensure the two halves align and the frame is securely folded. Engage the safety latch.



**Figure 4.2:** The Prophete 20-inch Aluminum Folding Bike compactly stored inside a black carry bag, demonstrating its portability. The saddle is visible at the top of the bag.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your bicycle.

- **Cleaning:** Clean the bike regularly with mild soap and water. Avoid high-pressure washers directly on bearings. Dry thoroughly.
- **Chain Lubrication:** Lubricate the chain every 100-200 km or after riding in wet conditions. Use a bicycle-specific chain lubricant.
- **Brake Inspection:** Check brake pads for wear and replace if necessary. Ensure brake cables are not frayed and are properly tensioned.
- **Tire Inspection:** Regularly check tires for wear, cuts, or embedded debris. Maintain correct tire pressure.
- **Bolt Tightness:** Periodically check all bolts and nuts, especially on critical components like handlebars, seat post, and wheels, for proper tightness.
- **Gear Adjustment:** If shifting becomes rough or inconsistent, the derailleur may need adjustment. Consult a bike mechanic if unsure.



**Figure 5.1:** A detailed view of the rear wheel, including the Shimano 7-speed derailleur and chain. This area requires regular cleaning and lubrication for optimal performance.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Flat Tire	Puncture, low pressure, faulty valve.	Inspect tire for punctures, repair or replace inner tube. Inflate to correct pressure.
Brakes Squeal/Ineffective	Dirty rims/pads, worn pads, misaligned pads, loose cable.	Clean rims and pads. Adjust pad alignment. Replace worn pads. Tighten brake cable.
Gears Not Shifting Smoothly	Dirty chain, stretched cable, misaligned derailleur.	Clean and lubricate chain. Check cable tension. Adjust derailleur (consult mechanic if unsure).
Bike feels unstable	Loose quick releases, improperly assembled components.	Ensure all quick releases (frame, handlebar, seat post) are securely locked. Re-check assembly steps.

For issues not listed or if you are unsure about a repair, it is recommended to consult a professional bicycle

mechanic.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Prophete
Model Type	Folding Bike
Wheel Size	20 inches
Frame Material	Aluminum
Frame Height	Approx. 30 cm
Gears	7-speed Shimano Derailleur
Brakes	Caliper
Suspension	Fork Suspension
Specific Use	Road
Included Components	Water bottle holder, Tool kit
Folded Dimensions (approx.)	148.01 x 87.5 x 32 cm (as per package dimensions, actual folded bike dimensions may vary slightly)
Weight (approx.)	20 kilograms

## 8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. Prophete bicycles typically come with a manufacturer's warranty covering defects in materials and workmanship.

For technical support, spare parts, or service inquiries, please contact the Prophete customer service department or your authorized Prophete dealer. Contact details can usually be found on the manufacturer's official website or in your purchase documentation.