

YADEA Y80

YADEA Lightweight Mini Foldable Electric Bike Innovator

Model: Y80

1. INTRODUCTION

Welcome to the YADEA Lightweight Mini Foldable Electric Bike Innovator (Model Y80) user manual. This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your new electric bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your bike.

The YADEA Innovator is designed for urban commuting and recreational cycling, offering a lightweight, foldable design for convenient storage and transport. It features an electric motor for assisted pedaling, disc brakes for reliable stopping power, and a robust magnesium frame.



Figure 1.1: YADEA Innovator Electric Bike (Unfolded)

2. SAFETY INFORMATION

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

- Always wear a helmet that meets safety standards.
- Familiarize yourself with local traffic laws and regulations regarding electric bikes.
- Perform a pre-ride inspection before each use, checking brakes, tires, battery level, and all quick releases.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Avoid riding in adverse weather conditions, such as heavy rain or snow, which can reduce traction and visibility.
- Ensure the battery is securely locked in place before riding.

3. COMPONENTS OVERVIEW

Understand the key components of your YADEA Innovator electric bike:

- **Frame:** Lightweight magnesium frame designed for folding.
- **Battery:** Removable Li-Ion battery, integrated into the frame's design.

- **Motor:** 350W Torque Mid-motor providing electric assist.
- **Display:** HD LCD display showing speed, driving mode, and battery capacity.
- **Brakes:** Hydraulic Disc Brakes for effective stopping.
- **Wheels:** 20-inch wheels with a single-sided fork design.
- **Lighting:** Ultra-bright LED lighting system for visibility.



Figure 3.1: Removable Battery Pack



Figure 3.2: HD LCD Display and Handlebar



Figure 3.3: Front Disc Brake



Figure 3.4: Design Elements (Battery Case & Chain Cover)

4. SETUP AND ASSEMBLY

The YADEA Innovator requires some assembly upon arrival. Follow these steps to prepare your bike for its first ride:

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Unfolding the Frame:** Locate the folding mechanism on the main frame. Release the latch and carefully unfold the bike until the frame locks into its riding position. Ensure all safety latches are engaged.
3. **Handlebar Installation:** Insert the handlebar stem into the fork tube and tighten the quick-release lever or bolts securely. Adjust the handlebar height to your preference.
4. **Saddle Installation:** Insert the seat post into the frame's seat tube. Adjust the saddle height for comfortable pedaling and secure it with the quick-release lever.
5. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread them into the crank arms (left pedal counter-clockwise, right pedal clockwise) and tighten firmly with a wrench.
6. **Battery Insertion:** Slide the battery pack into its designated slot on the frame until it clicks securely into place. Use the key to lock it if applicable.
7. **Tire Inflation:** Inflate tires to the recommended pressure indicated on the tire sidewall.
8. **Brake Check:** Test both front and rear brakes to ensure they engage properly and provide sufficient stopping power. Adjust if necessary.



Figure 4.1: YADEA Innovator in Folded Configuration



THE ULTIMATE FOLDING

Single-sided fork and chain stay maximizes folding space, with optional mounted base*, it can easily fit into your trunk.

*Mounted base is optional, sales price does not include the mounted base.

Figure 4.2: The Ultimate Folding Design

5. OPERATING INSTRUCTIONS

Operating your YADEA Innovator is intuitive. Follow these steps for a smooth ride:

5.1 Powering On/Off

- To power on, press and hold the power button on the HD LCD display until it illuminates.
- To power off, press and hold the power button again until the display turns off.

5.2 Electric Assist Modes

The bike features an AI Somatosensory Algorithm that adjusts electric auxiliary power in real-time. You can select from five power assistance modes:

- **Mode 1:** Assist Force 7:3 (Light assist)
- **Mode 2:** Assist Force 5:5 (Moderate assist)
- **Mode 3:** Assist Force 3:7 (Strong assist)
- **Mode 4:** Assist Off, 100% Force (No electric assist, pedal power only)
- **Mode 5:** Walking Assist (Low speed assist for walking alongside the bike)

Use the control buttons on the handlebar to cycle through these modes. The current mode will be displayed on the LCD screen.

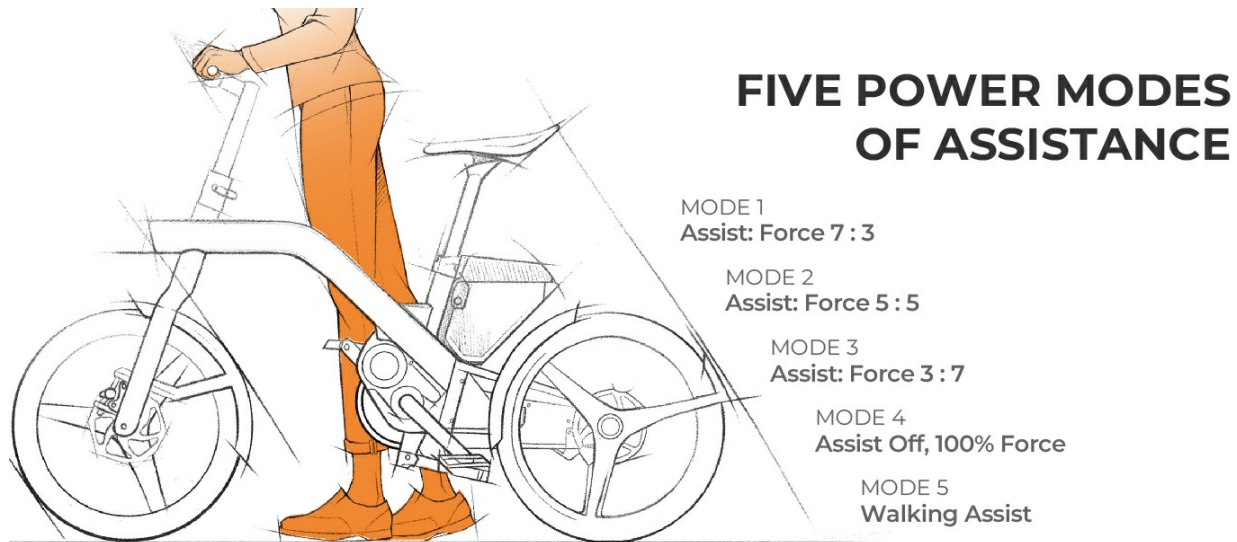


Figure 5.1: Five Power Modes of Assistance

5.3 Throttle Operation

The bike is equipped with a throttle on demand. Gently twist the throttle grip to engage the motor without pedaling. Use the throttle responsibly and in accordance with local regulations.

5.4 Lighting System

Activate the ultra-bright LED lighting system for improved visibility, especially in low-light conditions. This includes double ground laser lights and front & rear LED gene lights.



Figure 5.2: Ultra-Bright LED Lighting System

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your YADEA Innovator:

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Battery Care:** Charge the battery fully after each ride. Store the battery in a cool, dry place and charge it at least once a month if not in use to maintain its health.
- **Tires:** Check tire pressure before each ride and inflate to the recommended PSI. Inspect tires for wear and tear.
- **Brakes:** Regularly check brake pads for wear and ensure brake levers provide firm and responsive braking. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth pedaling and prevent rust.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases to ensure they are tight and secure.

7. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged; Battery not properly seated; Loose connection	Charge battery; Ensure battery is fully inserted and locked; Check all cable connections.
Motor not assisting	Low battery; Incorrect assist mode; Sensor issue	Charge battery; Select a higher assist mode; Check for debris around sensors (cadence, torque, speed).
Brakes feel spongy or weak	Worn brake pads; Air in hydraulic line; Loose cable (if applicable)	Inspect and replace brake pads; Consult a bike mechanic for hydraulic brake bleeding; Tighten brake cables.
Unusual noises during ride	Loose components; Dry chain; Brake rub	Check all fasteners; Lubricate chain; Adjust brake calipers to prevent rubbing.

If you encounter issues not listed here or cannot resolve a problem, please contact YADEA customer support or a certified bike mechanic.

8. SPECIFICATIONS

Key technical specifications for the YADEA Innovator Electric Bike:

Feature	Specification
Bike Type	Folding Bike

Feature	Specification
Model Name	Y80
Color	Silver
Frame Material	Magnesium
Motor	350W Torque Mid-motor
Electric Assist Type	Throttle on Demand
Battery	36V/0.4Ah (Lishen 2600 Cell) Li-Ion
Maximum Speed	25km/h
Max Transmission Torque	100N·m
Max Supported Cadence	120rpm
Brake Style	Disc (Hydraulic)
Tire Size	20-inch (20*1.5 Pneumatic Tyres)
Display	LCD (Liquid Crystal Display)
Weight	23KG
Dimensions (L*W*H)	1520*530*1050mm
Sitting Height	720-1000mm
Included Components	Bell
Assembly Required	Yes

Note: Specifications are subject to change without notice. Please refer to the actual product for the most accurate information.

9. WARRANTY AND SUPPORT

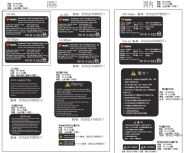
YADEA provides a limited warranty for the Innovator Electric Bike. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact YADEA customer service directly.

For technical support, parts, or any inquiries regarding your YADEA Innovator, please contact the seller, Yadea US, through the platform where you purchased the product or visit the official YADEA website for contact information.

Seller: Yadea US

Online Support: Refer to your purchase platform for direct messaging or support links.

Related Documents - Y80

	Y80 Bluetooth Helmet Communication System User Manual This manual provides instructions for the Y80 Bluetooth helmet communication system, covering features like power on/off, music playback, call handling, EQ modes, and charging.
	Y80 True Wireless Stereo Earbuds User Manual This document provides detailed information on the Y80 True Wireless Stereo Earbuds, including specifications, pairing instructions, operation guides, and precautions for use. It covers product features, functionality, and FCC compliance.
	YADEA Electric Scooter Product Specifications and Safety Warnings Comprehensive technical specifications and essential safety warnings for YADEA KS5, KS5pro, H3, and H3pro electric scooters, including charging instructions and usage guidelines.
	Y80 2X Intercom Version User Manual User manual for the Y80 2X helmet wireless earphone, detailing its features, operation, and specifications for intercom and music functions.
	YADEA G10 Electric Scooter User Manual Comprehensive user manual for the YADEA G10 electric scooter, covering safety instructions, product features, operating procedures, maintenance guidelines, troubleshooting tips, and technical specifications. Learn how to safely operate and maintain your YADEA G10.
	Yadea KS3 Lite Electric Scooter User Manual Comprehensive user manual for the Yadea KS3 Lite Electric Scooter, covering safety precautions, assembly, operation, maintenance, and specifications.