

HAPPYRUN G70

HAPPYRUN G70 Electric Bike User Manual

Model: G70

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your HAPPYRUN G70 Electric Bike. Please read this manual thoroughly before your first ride and retain it for future reference. Understanding the features and functions of your e-bike will ensure a safe and enjoyable experience.

2. SAFETY INFORMATION

Always prioritize safety when operating your electric bike. Failure to follow safety guidelines can result in serious injury or damage to the bike.

- **Wear a Helmet:** Always wear an approved bicycle helmet that fits properly.
- **Pre-Ride Check:** Before each ride, inspect brakes, tires, battery level, and ensure all quick releases and fasteners are secure.
- **Obey Traffic Laws:** Follow all local traffic laws, regulations, and signage.
- **Visibility:** Use the integrated headlight and rear sequential turn signals, especially during low-light conditions. Consider wearing reflective clothing.
- **Weather Conditions:** Exercise caution when riding in wet conditions, as braking distance may increase.
- **Weight Limit:** Do not exceed the maximum weight recommendation of 265 pounds (120 kg).
- **Children:** If carrying a child on the detachable seat, ensure they are properly secured and within the bike's weight limits.

3. SETUP AND INITIAL PREPARATION

3.1 Unpacking and Assembly

Your HAPPYRUN G70 Electric Bike is largely pre-assembled. Minimal assembly is required. Carefully remove all packaging materials and inspect the bike for any signs of damage during transit.

1. Attach the handlebars, ensuring they are centered and tightened securely.
2. Install the pedals. Note that pedals are typically marked 'L' for left and 'R' for right, and thread in opposite directions.
3. Check that the front wheel is properly seated and secured.
4. Adjust the seat height for comfortable riding posture.

3.2 Battery Charging and Installation

The G70 features a combined 26Ah battery system (13Ah+13Ah) with detachable batteries.

1. Before first use, fully charge both batteries. Connect the provided 2.0A charger to a standard wall outlet and then to the battery charging port. The indicator light on the charger will change when charging is complete.
2. Ensure batteries are securely installed in their compartments before riding.

3.3 NFC Smart Unlock

The e-bike supports NFC smart unlocking. To unlock, simply tap your NFC-enabled device (e.g., smartphone) to the designated NFC area on the bike. Refer to the SmarGoo app instructions for initial setup and pairing.



Peak 2000w High Torque Motor

-  **2000W**
Peak Motor
-  **36MPH**
Top Speed
-  **85 MILES**
Long Range
-  **48V 38AH**
Battery
-  **FULL**
Suspension

Image: The HAPPYRUN G70 Electric Bike being ridden on a dirt path, showcasing its design and key features like the 2000W peak

motor, 36 MPH top speed, 85-mile range, 48V 38Ah battery, and full suspension.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the bike, press and hold the power button on the LED display. To power off, press and hold the same button until the display turns off.

4.2 Riding Modes

The G70 offers three distinct riding modes:

- **Electric Mode:** Provides full motor power without requiring pedal input. Use the half-twist throttle for acceleration.
- **Assisted Mode (Pedal Assist):** The motor provides assistance as you pedal. The level of assistance can typically be adjusted via the display.
- **Ordinary Cycling Mode:** The motor is off, and the bike operates like a traditional bicycle, relying solely on pedal power.



Image: A rider on the HAPPYRUN G70 Electric Bike, illustrating the three available riding modes: Electric, Assisted, and Ordinary Cycling, for varied riding experiences.

4.3 Throttle and Gearing

The half-twist throttle provides effortless acceleration in Electric Mode. The 7-speed gearing system, controlled by a rear derailleur and twist grip shifter, allows you to adjust your pedaling effort and speed in Assisted or Ordinary Cycling modes.



Image: A detailed view of the 7-speed twist grip shifter, located on the handlebar, used to change gears on the HAPPYRUN G70 Electric Bike.

4.4 Braking System

The G70 is equipped with hydraulic dual disc brakes for reliable stopping power. Apply both front and rear brakes simultaneously for optimal control and shorter stopping distances.



Image: A close-up shot of the front wheel's hydraulic disc brake system, highlighting the rotor and caliper for effective stopping.

4.5 LED Display and Lights

The large LED display shows speed, battery level, odometer, trip distance, and other vital information. Use the controls near the display to activate the 160-lumen LED headlight and rear sequential turn signals for enhanced visibility.



Image: A detailed view of the LED display mounted on the handlebar, showing digital speed, battery charge, and other operational indicators.

4.6 SmarGoo App Connectivity

Connect your G70 to the SmarGoo app for additional smart features, including GPS location tracking and remote lock/unlock functionality. Download the app from your device's app store and follow the in-app instructions for pairing.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your HAPPYRUN G70 Electric Bike.

5.1 General Checks

- **Tires:** Check tire pressure before each ride. The 20-inch fat tires require specific pressure for optimal performance and comfort. Refer to the tire sidewall for recommended pressure.
- **Brakes:** Regularly inspect brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent premature wear.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases for tightness.
- **Frame:** Inspect the high-strength carbon steel frame for any cracks or damage, especially after impacts.



Image: The HAPPYRUN G70 Electric Bike navigating a rugged trail, emphasizing its dual suspension system (front fork and rear shock absorbers) designed for enhanced rider comfort.

5.2 Battery Care

- **Charging:** Always use the original 2.0A charger. Do not overcharge or completely drain the battery.
- **Storage:** If storing the bike for an extended period, charge the batteries to approximately 50-70% and store in a cool, dry place. Recharge every 1-2 months to prevent deep discharge.
- **Temperature:** Avoid exposing batteries to extreme temperatures.

5.3 Cleaning and Storage

- **Cleaning:** Use a damp cloth to wipe down the bike. Avoid high-pressure washers directly on electrical components.
- **Storage:** Store the bike in a dry, secure location away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your G70 Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or improperly installed; loose electrical connection.	Ensure batteries are fully charged and correctly seated. Check all visible electrical connections.
Motor not assisting	Pedal assist level set to zero; brake levers engaged; motor connection issue.	Increase pedal assist level on the display. Ensure brake levers are fully released. Check motor cable connection.
Brakes feel spongy or ineffective	Air in hydraulic lines; worn brake pads; misaligned calipers.	Consult a bike mechanic for hydraulic brake bleeding. Inspect and replace worn brake pads. Adjust caliper alignment.
Unusual noises during riding	Loose components; dry chain; rubbing brakes.	Check all fasteners. Lubricate the chain. Inspect brake pads and rotors for rubbing.

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

7. SPECIFICATIONS

Key technical specifications for the HAPPYRUN G70 Electric Bike:

- **Bike Type:** Electric Bike
- **Motor:** 750W (Peak 2000W)
- **Battery:** 48V 26Ah (Dual 13Ah+13Ah Detachable)
- **Top Speed:** Up to 20 MPH (Class 2 compliant)
- **Range:** Up to 85+ miles per charge (depending on riding conditions and mode)
- **Torque:** 110Nm
- **Wheel Size:** 20 Inches (Fat Tire)
- **Frame Material:** High-strength Carbon Steel / Aluminum
- **Suspension:** Dual (Front Fork and Seat Shock Absorbers)
- **Brakes:** Hydraulic Dual Disc Brakes
- **Gearing:** 7-speed with Rear Derailleur and Twist Grip Shifter
- **Special Features:** NFC Smart Unlock, SmarGoo App Connectivity, Integrated Taillight, Rear Sequential Turn Signals,

160-lumen LED Headlight

- **Maximum Weight Recommendation:** 265 Pounds
- **Item Weight:** 95 Pounds



Image: A technical diagram of the HAPPYRUN G70 Electric Bike, detailing its dimensions (total length, handlebar height, wheelbase, seat height, wheel diameter) and weight specifications (bike weight, max load, recommended rider height).

8. WARRANTY AND CUSTOMER SUPPORT

HAPPYRUN offers a **1-year warranty** against manufacturer defects for the G70 Electric Bike. This warranty covers defects in materials and workmanship under normal use.

For any questions, technical assistance, or warranty claims, please contact our responsive customer service team. We aim to respond within 24 hours.

- **Contact:** Refer to your purchase documentation or the HAPPYRUN official website for contact details.
- **Returns:** Please retain the original packaging for one month in case of a return.