

A MORE CHALLENGING OFF-ROADING

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HAPPYRUN

Tank G300 SE Ultra

ELECTRIC BIKE'S MANUAL



▶ Unbox & Assembly Video

CATALOGUE

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About Manual

This manual contains details of the product, information on its operation and maintenance, and other helpful tips for owners. Read it carefully and familiarize yourself with the Happyrun Bike before using it to ensure safe use, reduce the risk of damage and premature wear, and prevent accidents. Be sure to retain this manual as your convenient Happyrun Bike information source.

This manual contains many Warnings and Cautions concerning safe operation, and consequences if proper setup, operation, and maintenance guidelines are not followed. All information in this manual should be carefully reviewed.



NOTICE
Initial assembly and adjustment of your Happyrun e-bike may be challenging and should be assembled with two people. Pay special attention to areas marked by this Caution Symbol and all information in this manual beginning with NOTICE.

Because it is impossible to anticipate every situation or condition which can occur while riding, this manual makes no representations about the safe use of our bicycles under all conditions. There are risks associated with the use of any bicycle which cannot be predicted or avoided, and which are the sole responsibility of the rider. You should keep this manual, along with any other documents that were included with your bicycle, for future reference, however all content in this manual is subject to change or withdrawal without notice. Visit happyrunsports.com to download the latest version. Assembly and First adjustment of your Happyrun Bike requires special tools and skills, and it is recommend-ed that this be performed by a trained bicycle mechanic if possible.

*The recommended minimum rider age is 13 and over, and the maximum rider age is 70 and under. Any rider who cannot sit comfortably on an e-bike should not attempt to ride it.

Take down your serial numbers !

Go to page 17 to find your serial numbers

Bike frame number

Motor serial number

IMPORTANT SAFETY NOTICE-READ THIS MANUAL BEFORE OPERATION

Before the operation of your new Happyrun e-bike, it is crucial for your safety and per the manufacturer's requirement, that you thoroughly read and understand this instruction manual.

This manual contains vital information on the operation, maintenance, storage, and comprehensive safety procedures for your e-bike. Failure to follow instructions and heed warnings in this manual may lead to serious &life-threatening accidents, including but not limited to falls, collisions, electrical shock, or even Pre.

Ensure to consult this manual, familiarize yourself with the features and mechanisms of your particular Happyrun e-bike model, and strictly adhere to all safety advice before and during the use of your Happyrun e-bike.

For any questions, ambiguities, or further assistance, please contact Happyrun customer service. Prioritize your safety and the longevity of your Happyrun e-bike - take the time to read this manual in detail.

Important Safety Notice

 **NOTICE:**
When using this product, basic precautions should always be followed, including the following:

- a)Read all the instructions before using the product.
- b)Never let children under the age of 13 operate this bike. Adult supervision is required if children are under the age of 16.
Always wear a helmet when riding your electric bike.
- c)Do not put fingers or hands into the product.
- d)Do not use this product if the flexible power cord or output cable is frayed, has broken insulation, or any other signs of damage.
- e)Do not use this product if the flexible power cord or output cable is frayed, has broken insulation, or any other signs of damage.

f)For all equipment, the instructions shall indicate "This equipment is not intended to be used at ambient temperatures less than 45°C (113°F) or above ambient temperatures of -10°C(14°F): "The blanks are to be labeled with the manufacturer's specified ambient temperature ratings.

g)For all equipment, the instructions shall indicate The battery is intended to be charged when the ambient temperature is between 0°C(32°F)and 40 °C(104°F). Never charge the battery when ambient temperatures are outside this range."The blanks are to be pulled in with the manufacturer's specified.

Safety Information

Warning - Fire Hazard

Battery Care and Charging: proper use, charging, and maintenance of the bike's Lithium-Ion battery can lead to a risk of Pre. Never use a charger other than the one provided with your Happyrun e-bike. Always charge the battery in a well-ventilated area away from Bammabke materials.

Overheating: Overheating can cause the battery and/or motor to become a hazard. Avoid riding your Happynun e-bike in extremely hot conditions. Stop and allow the bike to cool if it shows signs of overheating.

Modifications: Making unauthorized changes to the bike, including the battery electronics, can pose a risk of Pre. Please refrain from making.

RISK OF ELECTRIC SHOCK

Water Exposure: Exposure to water can damage the electric elements of your e-bike and may lead to electric shock. Avoid riding in deep water or in heavy rain.

Maintenance & Repairs: Never attempt to repair, manipulate, or remove the battery motor, or any other electrical component on your own. Always consult a professional or contact Happyrun customer service.

Safety Riding Requirements

Important:

Read all warnings and instructions in this manual, as well as all the safety labels, before operating your electric motorcycle.
The Tank G300 SE Ultra is a high-performance electric motorcycle and should be treated with extreme caution.

Persons unwilling or unable to take responsibility for their actions should not use this motorcycle. By operating this motorcycle, you assume all responsibility. The seller assumes no liability for misuse or operator negligence.

The Tank G300 SE Ultra is designed and manufactured for off-road use only. The tires are not suitable for paved surfaces, and the motorcycle lacks turn signals and other features required for use on public roads. If you need to cross a paved or public road, dismount and walk your motorcycle across.

Modifications to the motorcycle may render it unsafe and cause severe personal injury. The manufacturer cannot be held liable for non-approved modifications. Be extremely cautious when loading or adding accessories to your motorcycle. Large, bulky, or heavy items may adversely affect the handling and performance of the motorcycle.

IMPORTANT SAFETY NOTICE -READ THIS MANUAL BEFORE OPERATION

RISK OF INJURY:

Road Safety: Riding an e-bike, comes with inherent risks. Always adhere to traffic laws, and be aware of your surroundings to avoid collisions and accidents.

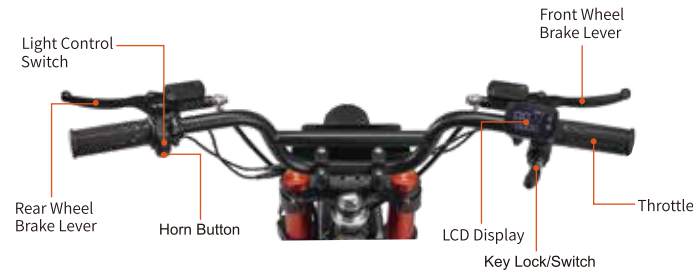
Health and Physical Limitations: If you have any health conditions that may be affected by a sudden change in speed or from physical activity, please consult a doctor before use. Those recovering from injury or with mobility issues should take extra caution.

Loading: Overloading the bike surpassing the stated payload limit, can make the bike unstable and increase the risk of damage and accidents.

Please thoroughly read and understand this safety information. Using your Happyrun e-bike responsibly, and adhering to the above warnings and instructions, will allow for a safer, more enjoyable riding experience. Remember, your safety is our primary concern.

SAVE THESE INSTRUCTIONS

Bike Specification



A- Total Length	69.3"
B- Handlebar Height	44.5"
C- Wheelbase	47.2"
D- Seat height	31.9"
E-Handlebar Width	28.5"

Model Number	Tank G300 SE Ultra	Top Speed	28+ MPH
Battery	60V 31AH Lithium Battery	Riding Range	56-65 Miles
Motor	60V 2000W Rated Mid-Drive Motor	Charging Time	6-8h
Controller	60V 35AH	Water Proof Grade	IPX5
Torque	142 N.m Rated Torque	Working / Storage Temp.	14°F~104°F(-10°C~40°C)
Brake	Hydraulic Brakes	Front Fork	Hydraulic Fork
Suspensions	Full Suspension	Rear Fork	Spring Shock Absorber
Tire	Off-road Tires (Front 17", Rear 14")	Seat Height	31.9"
Brake Disc	190mm × 3.4mm Brake Rotor	Recommended Height	4'1" - 6'1"
Display	Digital Display	Total Payload	350 LBS
Throttle	Full-Twist Throttle	Package Dimensions	1450*270*800mm
Taillight	Integrated Taillight	Product Dimensions	1760*725*1130mm
Headlight	LED Light (700 Lumens)	Package Weight / Bike Weight	138 lbs (Excluding Battery) / 140 lbs (Battery Weight: 21.8 lbs)

WHAT'S IN THE BOX

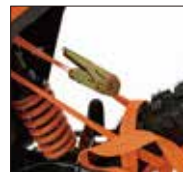


The pictures in the manual are for reference only.
Please refer to the actual product for details.

Assembly Instructions

◆ Untangling Ratchet Strap

- Lay Out the Strap:** Spread the strap out on a flat surface, ensuring it is free from twists or knots.
- Loosen the Ratchet:** Pull the release lever or press the release button to reduce tension on the ratchet, making the strap easier to adjust.
- Untangle the Strap:** Starting from the tangled section, carefully pull and adjust the strap to loosen and remove any knots.



◆ Kickstand Installation

- Step 1: As shown below, remove the two pre-installed bolts and set them aside. Slightly loosen the two rear screws to allow for easier adjustment.



- Step 2: Open the kickstand and align it with the pre-installed bracket on the frame. Line up the holes with the last two slots on the bracket. Insert the two bolts from **Step 1** and tighten them with a hex wrench. Finally, retighten the two screws loosened in **Step 1**.

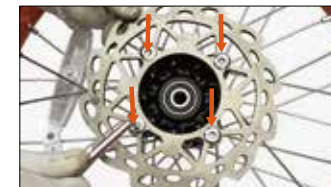
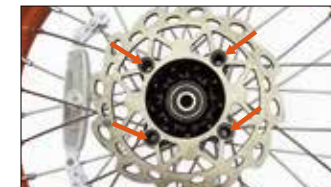


- Step 3: At the position indicated by the arrows, if the component is loose, use a screwdriver to tighten it.



◆ Front Wheel Installation

- Step 1: Secure the brake rotor to the front wheel using the four screws. Ensure the side with recessed mounting holes (the side where the screw heads sit flush) is facing upward.



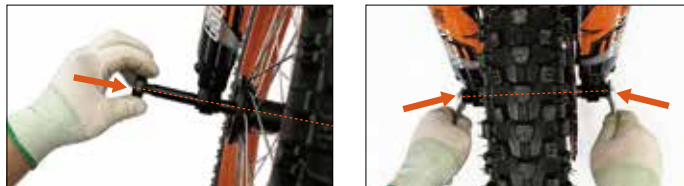
- Step 2: Remove the pre-installed thru-axle, spacers, and nut from the front fork and set them aside.



- Step 3: Before proceeding, check the gap between the front brake pads to ensure the rotor can slide in smoothly.



Step 4: Align the wheel hub with the fork dropouts. Place the longer axle sleeve on the brake side and the shorter axle sleeve on the opposite side. Slide the thru-axle through the holes and tighten the nut securely with a wrench.



⚠ NOTICE: Two people are recommended for this step.

◆ Front Fender Installation

Step 1: Position the front fender against the mounting point on the lower fork bridge. Align the holes on the fender bracket with the pre-drilled holes on the fork.



Step 2: Insert the screws through the holes in the fork and the fender bracket. Ensure the fender is centered with proper clearance from the front tire. Finally, use a screwdriver to tighten the screws securely.



◆ Headlight & Headlight Guard Installation

Step 1: As shown below, unfold the brackets on the headlight guard by hand until they are at a 90-degree angle to the guard. If the brackets are too stiff to move by hand, use a screwdriver to slightly loosen the mounting nuts.

Step 2: Remove the mounting bolts, nuts, and the detachable clamps from the headlight bracket and set them aside for later use.



Step 1



Step 2

Step 3: Fit the detachable clamps into the pre-drilled slots on the headlight bracket as illustrated. Insert the bolts through both the bracket and the clamp holes, then secure them with the nuts to ensure the headlight assembly is firmly fixed to the front fork tubes.



Step 4: If any screws or nuts were loosened during **Step 1**, ensure they are fully retightened at this stage.



Step 5: Connect the headlight plug to the single, downward-facing lead on the main wiring harness. Ensure the colors match and the arrows are aligned before plugging them in.

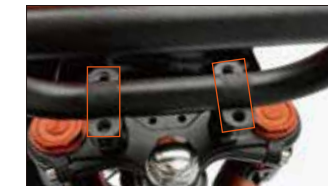


⚠ NOTICE: Align the arrows on both connectors before plugging them in.

◆ Handlebar Installation

Step 1: Locate the four screws and the handlebar clamp cover provided in the accessory kit.

Step 2: Center the handlebar, ensuring the textured alignment marks on the handlebar are perfectly flush with the stem clamp. Place the clamp cover over the handlebar and insert the four screws. At this stage, do not fully tighten the screws.



Step 3: Check that the handlebar is perfectly aligned with the front fork. If they are not aligned, gently rotate the handlebar to adjust its position (as shown in the illustration below). Once you have confirmed the alignment is correct, tighten the four screws evenly and securely to ensure the handlebar is firmly fixed in place.



◆ Front & Rear Hydraulic Brake Installation

Step 1: Install the front and rear hydraulic brake levers on both sides of the handlebar as shown below. For dirt bikes, the front brake is typically installed on the right side, and the rear brake on the left side.



Step 2: To achieve a more ergonomic riding position, you may tilt the brake levers slightly downward relative to the handlebar for a more comfortable grip.

Step 3: Once adjusted to your preferred angle, use the screws to firmly secure both brake levers to the handlebar, ensuring they are tightly fixed and reliable.



Step 4: After the handlebar and brake levers are securely mounted, connect the brake lines to the main wiring harness. Follow the principle of "matching color-to-color and arrow-to-arrow" to connect them in sequence.



⚠ NOTICE:

When connecting the wiring harness, ensure that the connectors of the same color are properly matched. Align the arrow indicators on the connectors before plugging them in to avoid damaging the internal circuitry.

◆ 2-in-1 Switch Wiring Connection

The 2-in-1 switch is pre-installed. Locate the matching color connector on the upper section of the main wiring harness and plug it into the switch connector, ensuring the arrows are perfectly aligned.



⚠ NOTICE:

When connecting the wiring harness, ensure that the connectors of the same color are properly matched. Align the arrow indicators on the connectors before plugging them in to avoid damaging the internal circuitry.

◆ Footpegs Installation

Step 1: Install the footpegs spring onto the footpegs assembly. The spring has hooks of different sizes on each end—one small and one large.



⚠ NOTICE: The large hook should be oriented outward as shown in the figure.

Step 2: Insert the footpegs assembly with the spring into the designated mounting position on the bike frame. Ensure that the small hook of the spring is correctly attached to the corresponding mounting point as shown in the figure.



Step 3: Gently rotate the footpegs until the mounting holes on the footpegs align with the corresponding holes on the bike frame. Then insert the mounting bolt through the holes, ensuring it passes completely through.



Step 4: Insert the locking pin into the hole at the base of the bolt, and bend down the longer end of the pin (as shown in the figure) to secure it firmly. Repeat the same steps to install the footpegs on the other side.



Safety Checklist

Safety Check	Basic Steps
Brakes	• Test front and rear brakes for proper function. • Ensure brake pads are not overworn and are correctly positioned in elation to rims. • Make sure brake control cables are lubricated, properly adjusted and display no obvious what • Check that brake control levers are lubricated and tightly secured to handlebars.
Wheels and Tires	• Tires to within recommended limits displayed sidewalls. • Check for bulges or signs of excessive wear. Clean tires to ensure the tread is exposed. • Ensure rims run true and have no obvious wobbles or kinks. • Check that all wheel spokes are tight and not broken. • Check the wheel balance in Pedal Only Mode. If you notice the riding is imbalanced or the rotation of the front wheel makes noise, it means the bolts were not completely tightened or not aligned horizontally.
Chain	• Check that the chain is called, clean and runs smoothly • Use extra care in wet or dusty conditions.
Footpegs	• Ensure footpegs are securely tightened to the frame and are free of any cracks or damage.
Mid-Drive System	• Mounting & Stability: Ensure the motor unit is securely fastened to the frame and shows no signs of loosening or movement. • Cable Integrity: Verify all power and sensor cables are properly secured, undamaged, and clear of any moving parts. • Smooth Operation: Check that the motor operates smoothly without abnormal noise, vibration, or resistance during power engagement.
Battery Pack	• Ensure the battery is charged before use. • Check for any visible damage to the battery pack. • Lock the battery securely to the frame.

Safety Precautions

The following safety notes provide additional information on the safe operation of your Happyrun bike and should be closely reviewed. Improper operation, or failure to confirm the installation, compatibility, and maintenance of any component or accessory may result in serious injury or death.

◆ Before Riding

- All users must read and understand this manual before first use Additional manuals for components used on your bicycle may be provided and should also be read before use.
- Ensure you understand all instructions and safety notes/warnings.
- Follow the safety checklist on page 9 before first use and at regularintervals to ensure correct tightening and setup of your bicycle.
- Ensure the bike fits you properly before first use. Check local rules and regulations before riding.
- It is your responsibilityto familiarize yourselfwith the laws and requirements of operation ofthis product in the area(s)where you ride.
- Pads should be replaced if their friction components become contaminated or have less than 1mm thickness or total thickness.

◆ While Riding

- Proper safety gear can significantly reduce the risk of potential injury. Approved protective clothing, including a helmet, riding boots, eyewear, and gloves, should always be worn while riding. Since most motorcycle injuries involve leg and foot impact, additional leg protection is highly recommended.

Wearing a helmet is especially critical for every ride, as failure to do so could result in severe injury or even death.

- Speed Modes: The vehicle features three speed modes (Levels 1-3). Please exercise extreme caution while riding. It is recommended to use Level 1 when navigating intersections, crowded areas, or whenever a slower speed is required for safety.

- Make sure you securely close the thru-axle ofthe front wheel, checking the wheel balance in footpegs Only Mode. If you notice the riding feels imbalanced, or the rotation of the front wheel makes noise, it likely means the bolts were not completely tightened or didn't align horizontally in the center.
- Shift gears regularly to stay at an optimal cadence range and downshift before coming to a stop. Reduce footpegs force before initiating a gear shift to reduce drivetrain wear.
- Always turn the light up while riding at night and always check all reflectors fixed well on the bicycle.

Happyrun E-Bike Use and Care

The following table of contents provides general guidance on Happyrun ebike variable power assist settings and their effects on both range and performance.

This content will apply broadly to most riders, but multiple factors will affect individual results including rider fitness and weight, terrain, proper maintenance, etc.

While Happyrun hopes and believes you will thoroughly enjoy your ebike, no guarantees of universal performance characteristics for all owners can be given.

Battery Removal & Installation

The battery is not pre-installed and requires manual installation upon delivery. Featuring a quick-release design, the battery can be removed for remote charging or charged directly while installed on the bike.

◆ Battery Removal

Step 1: Unscrew the large bolt at the base of the seat. This is designed for hand-turning and requires no additional tools.



Step 2: Gently slide the seat backward and lift it off to reveal the battery compartment.



Step 3: Locate the power connector on the battery box. As shown in the illustration, gently pull the locking tab back to allow the plug to spring out automatically. Then, pull the power cable out with firm pressure (reverse these steps for installation).



Step4: Simply lift the battery by hand to complete the removal.

◆ Battery Installation

To reinstall the battery, simply follow the removal steps in reverse order. Ensure the power connector is fully inserted and the locking tab clicks securely back into place.



◆ Charging the Battery On the Bike

- Step1:** Locate the dust cover on the bike's battery charging port. Rotate the dust cover to expose the DC charging port.
- Step2:** Carefully insert the charger plug into the charging port using the provided charger.
- Step3:** Plug the AC power cord into the charger, and then connect it to a power outlet. The charger will automatically start charging the battery.
- Step4:** While the battery is charging, the indicator light will turn red. When the battery is fully charged, the indicator light will turn green, and the charger will automatically stop charging. Charging time is approximately 1 to 8 hours, depending on the battery capacity and initial charge level.
- Step5:** Unplug the charger from the power source.
- Step6:** Remove the charger plug from the DC charging port and rotate the dust cover back to protect the port.



◆ Charging Procedure for Off-bike Charging

- Step1:** Remove the battery pack following the battery removal instructions on page 13.
- Step2:** Locate the dust cover on the battery pack's charging port. Rotate the dust cover to expose the DC charging port.
- Step3:** Plug the AC power cord into the charger, and then connect it to a power outlet. The charger will automatically start charging the battery.
- Step4:** While the battery is charging, the indicator light will turn red. When the battery is fully charged, the indicator light will turn green, and the charger will automatically stop charging. Charging time is approximately 1 to 8 hours, depending on the battery capacity and initial charge level.
- Step5:** Unplug the charger from the power source.
- Step6:** Remove the charger plug from the DC charging port and rotate the dust cover back to protect the port.

Step7: Check the battery status



Light Status	Charging Status
Red on charger	Charging
Green on charger	Fully charged

◆ After Charging

- Please unplug the main power supply first by removing the plug from the power socket, then remove the DC port from the battery. You can then check the battery status on the display screen.
- Hold the battery with one hand and turn the release switch with the other hand to install the battery. Lock the battery when finished to prevent theft.

⚠ NOTICE:

If your battery displays abnormal charging behavior, such as:

- Longer-than-expected charge time
- Strange smell, smoke, or liquid emanating from battery and/or charger
- Overheating battery and/or charger

Please stop charging and contact Happyrun Bike immediately.

◆ Charging Tips

- The battery can be recharged on or off the bike.
- A new battery may take longer to be fully charged when depleted.
- The charger will automatically stop charging once the battery pack is fully charged.
- You can recharge the battery after short rides as it does not have a memory effect.

◆ Precautions

- While charging, please keep your battery away from direct sunlight, liquid, dirt or debris, and metal objects. Do not allow the battery to be charged in environments under 14° Fahrenheit (-10° Celsius) and over 104° Fahrenheit (40° Celsius).
- Do not cover the charger when charging.
- Keep the battery away from children while charging.
- Make sure to only use an approved Happyrun ebike charger purchased directly from Happyrun ebike for your specific bike serial number.

◆ Before Riding

Ensure that the battery has been properly secured to the bike before each use by grasping the battery pack and pulling upwards, testing the security of the pack.

◆ Battery Maintenance

- Do not fully drain your battery. Turn off the power when the battery charge is low.
- Fully charge the battery after each use, no matter how much power is used. This will prolong the battery life. If battery power is not used for a long time, store the battery with a full charge and charge it once a month.
- The Happyrun ebike can be safely ridden in light rain. However, riding through very heavy downpours or through flooded streets is not recommended, as the crank and/or motor can get wet, which may cause damage.
- Keep the battery away from open flame and other high-temperature heat sources. Do not expose the battery to direct sunlight or recharge immediately after use in high-temperature weather.

⚠ NOTICE:

It is not recommended to make any modifications to the battery or the motor. If the battery is tampered with, and there are any problems with the altered battery or motor, it will not be covered under Happyrun's warranty.

◆ Throttle

The throttle mode is similar to how a motorcycle or scooter operates, alleviating the need to pedal or providing an additional boost simply by twisting the throttle.

Happyrun ebike can reach speeds of up to **28+MPH** with throttle mode, which not only allows you to travel faster, but also reassures riders with extra power whenever needed, depending on traffic conditions and rider energy levels. If you are an adventurer who chases after speed and distance without compromising comfort or safety, the throttle-assisted Happyrun would be your perfect companion.

⚠ NOTICE:

Shift gears regularly for optimal cadence and downshift before stopping the bike. Before shifting gears, reduce the force of your footpegs strokes to avoid premature wear.

Parking & Transport

Follow these basic parking, storage, and transport tips to ensure your bike is well cared for, both on and off the road:

- When walking with the bike, turn off the power to avoid accidental acceleration, or use Walk Mode.
- Though our bikes are water resistant (IPX5 Water Resistance), please do not park your bike outdoors in cold or inclement weather for extended periods.
- When parking, switch the power and any lights off to conserve battery, remove the key from the bike, and ensure the battery is secured and locked to the frame.
- In public places, help keep your Happyrun Bike safe and secure from theft by always locking it up.
- Make sure to not park, store or transport your Happyrun Bike on a rack that is not designed for the size and weight of the bike. When storing or carrying your bike on a rack for transport, remove the battery to reduce the weight and make lifting or loading easier.

Riding Limitations

Following are some limitations needing riders' careful attention to ensure the mid-drive motor does not overheat or become damaged from excessive loading:

- Do not attempt to ride up hills steeper than 15% grade.
- Use the pedals to assist the motor when climbing hills and accelerating from a stop.
- Avoid sudden starts and stops.
- Generally accelerate at a moderate pace, rather than aggressively

◆ After Bike Assembly

Please write down the serial numbers found on the head tube and motor on the inside front cover of this manual to facilitate failure reporting.

Make sure each letter and number is correct.



Bike frame number



Motor serial number

⚠ NOTICE:

1. Before using your bicycle, find out about all relevant requirements and regulations that apply in your country or state. There may be restrictions on public roads, bike lanes, or trails. There may also be requirements for helmets, age restrictions, driver's license requirements, or bicycle light regulations.
2. When installing an accessory on your bike, such as a cargo trailer or child trailer, make sure the accessory is compatible and follow the manufacturer's and retailer's instructions.

Operation

NOTE: Be sure all the items you installed are properly torqued, tightened and connected. If you have any questions, contact us.

◆ Initial Ride

NOTE: The vehicle is strictly throttle-operated. The motor and throttle will only function when the power is turned ON.

We recommend that you start your first ride in Level 1 to become familiar with the braking system and the throttle's responsiveness.

Always practice in a safe, open area before increasing to higher speed levels.

Once you feel comfortable, you can incrementally test Levels 2 and 3 to understand the power delivery and top-speed characteristics of each mode.

SAFETY CHECK BEFORE EACH RIDE

- The battery pack must be charged and properly installed.
- The display must turn on and function properly.
- The brakes must function properly.
- The tires must be inflated to the proper psi.
- The front and rear lights must work properly.
- The cable connections must be tight.

◆ Using The Brakes

The e-bike is equipped with front and rear disc brakes. Their main function is to slow down or to stop the bicycle.

NOTE: Apply the rear brake before using the front brake in low-traction conditions.

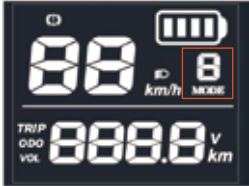
- The brake on the front wheel is controlled by the lever on the right-hand side of the handlebar.
- The brake on the rear wheel is controlled by the lever on the left-hand side of the handlebar.
- The front brake provides the majority of the e-bike's stopping power.
- When slowing down on slippery surfaces, use the rear brake first before applying the front brake.

- A signal wire from each brake lever automatically turns off the motor when either brake is being used. This feature prevents undue wear on the electric motor and battery.

Your new brakes will undergo a "bedding-in" period and will wear down after the first 40-50 full stops. The brakes will reach 100% of their grip capacity after this period. Adjust the brake lever so that it adapts to the newly bedded-in brakes.

◆ Throttle Control System

- The Throttle Control System manages the motor’s power output directly based on the rider's input via the full-twist throttle. This system delivers instant power and acceleration, operating completely independent of any pedaling.
- The system offers three distinct modes, which allow the rider to quickly select the maximum speed and power output appropriate for various riding conditions.



Level	Maximum Speed
Level 1	20MPH
Level 2	28+MPH
Level 3	28++MPH

⚠ NOTICE:
If the battery pack level is low, we recommend selecting a lower power mode to conserve energy. Keep in mind that the Battery Management System (BMS) can deactivate the throttle function (or motor power output) to protect the battery pack from getting critically low. Be sure to charge the battery pack fully before each ride.

◆ Throttle Operation

The e-bike is powered exclusively by the throttle feature, which is used to control the motor's speed and acceleration. The throttle control is located on the right-side handlebar.

To use the throttle feature:

1. Turn on the battery and the controller.
2. Set the LCD to the desired setting.
3. Rotate the throttle control to increase the e-bike speed.



◆ Button Overview



Left Handlebar

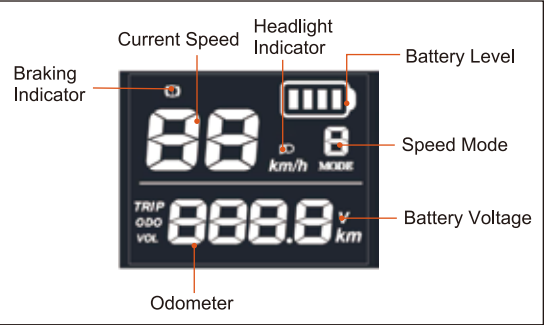
- ❶ Headlight Button
- ❷ Horn Button



Right Handlebar

- ❸ Display Area
- ❹ Multi-function Button
- ❺ Key Lock/Switch

◆ Main Display Screen Overview



The main display shows several important metrics:

Operation Instructions

(1) Power ON / OFF

Use the provided physical key to turn the vehicle on or off.

(2) Gear Shifting

Short press the **M** button to cycle through the gears. There are 3 speed modes in total (cycles: **1 → 2 → 3 → 2 → 1**).

(3) Display Mode Selection

By default, the display shows the TRIP (Trip Odometer) when powered on. Short press the **⬅** button to cycle through the display information:

TRIP (Trip Odometer) → ODO (Total Odometer) → VOL (Battery Voltage) → Error Code (only displayed when a fault is detected).

(4) Headlight Control

Long press the **⬅** button to turn the headlight on or off.

(5) Low Battery Warning (Undervoltage)

When low battery is detected, the last bar of the battery indicator will flash. The vehicle can still be ridden for a short distance, but it is highly recommended to charge it immediately.

(6) Brake Status Indicator

The display features a brake icon triggered by the communication signal. If the brake power-cut switch fails, this icon helps you quickly identify and troubleshoot the issue.

◆ Error Codes

The electronics system has some ability to self-diagnose and report a limited set of faults. The faults will appear on the screen as error codes. The chart below explains the meaning of each error code.

ADVANCED MATRIX DISPLAY -ERROR CODE CHART		
Error Code	Error	Notes
E002	Brake Lever Fault	For technical service, please email us at service@happyrunsports.com or submit a support ticket through our official website: https://happyrunsports.com
E006	Battery Low Voltage (Undervoltage)	
E007	Motor Fault	
E008	Throttle Fault	
E009	Controller Fault	
E010	Display Communication Receiving Fault	
E011	Controller Communication Receiving Fault	

Basic Troubleshooting

SYMPTOMS	POSSIBLE CAUSES	SOLUTIONS
Throttle and pedal assist not working	• Battery off • Battery installation • LCD display not on • Discharged battery • Brake sensors engaged	• Turn on battery • Reseat battery • Turn on LCD display • Charge battery • Inspect brake lever
Reduced speed	• Low battery power	• Charge battery
Reduced battery range	• Low battery power • Low tire pressure • Heavy load on bike • Driving on rough terrain • Using throttle only	• Charge battery • Inspect tire • Adjust bike load • Adjust route • Include pedal assist use
Battery does not charge	• Charger not properly connected • Battery temperature • Damaged charger • Issue with battery	• Inspect connections • Visit our website for best practices • Replace charger • Contact Support Team
E-bike making strange noises	• Loose hardware • Issue on drivetrain • Issue with motor	• Tune-up and inspection needed • Maintenance needed • Contact Support Team

Happyrun Bikes Warranty

<https://happyrunsports.com/pages/contact-us>

At HAPPYRUN Bikes, we take great pride in the quality and durability of our products. We're confident that you will be impressed as well, and we stand behind all of our products. Every e-vehicle we sell is covered by a limited warranty against manufacturing defects subject to the terms below:

COVERED PRODUCTS

- This warranty applies only to products, parts, and components (hereafter PRODUCTS) that have been manufactured, assembled, or sold in new condition by HAPPYRUN Bikes(hereafter, HAPPYRUN)
- This warranty applies only to replacement/repair of PRODUCTS in case of a manufacturing flaw in materials or workmanship, in accordance with the Scope of Warranty Service, and subject to any and all exclusions, limitations, and procedures explained below.
- This warranty is not transferable in any way and may not be exercised by anyone other than the original retail buyer(hereafter BUYER) of the PRODUCTS, only if the BUYER has retained constant ownership of the PRODUCTS since their original purchase of the PRODUCTS and only to PRODUCTS purchased in new condition either:

WARRANTY PERIOD

- Battery packs are covered for a period of 1 year on manufacturer defects only. We DO NOT cover wear and tear or USAGE on your battery.
- Other electronic components are covered under warranty for a period of 1 year from the date of purchase.
- Bicycle frames are covered by a 1-year warranty against manufacturing defects.
- Mechanical components are covered by a 1-year warranty against manufacturing defects.
- For all PRODUCTS, this warranty expires 1 year from the date the PRODUCTS were delivered to the BUYER unless excluded from warranty or otherwise voided from cover age under warranty.

- New Bike Guarantee -we offer full replacement of defective parts with free shipping within the first 30days of your bike order. After 30 days the customer is responsible for all return shipment costs to HAPPYRUN. HAPPYRUN Bikes will pay for shipping to the customer only.

WARRANTY EXCLUSIONS

The intent of this warranty is to ensure that the BUYER of any new PRODUCTS sold by HAPPYRUN or any HAPPYRUN product sold by an authorized HAPPYRUN dealer will receive a quality product, free of manufacturing flaws. This warranty should not be considered to be an insurance policy against any damage occurring after the products are received, nor as explicit or implicit acceptance by HAPPYRUN of responsibility for the consequences resulting from the failure of any PRODUCTS irrespective of whether the failure itself is covered by this warranty.

In addition, the following situations are excluded from this warranty or lead to exclusion from this warranty:

- Warranty claims not made in accordance with Warranty Claims Process (explained below)
- PRODUCTS with technical alterations that have been made without the approval of the manufacturer
- PRODUCTS with alterations to or additions to which use incompatible or non-original parts
- Damage to or failure of PRODUCTS resulting from weather or ordinary wear and tear.
- Theft, robbery, vandalism, intentional damage, damage resulting from bumps and scrapes after possession of the PRODUCTS has been transferred to the BUYER.
- PRODUCTS that haven't been manufactured or sold by HAPPYRUN
- Incidental/consequential damage or injury
- PRODUCTS that have been used or transported inappropriately or improperly (e.g., by loading a HAPPYRUN bike above the maximum weight recommendation)
- PRODUCTS with damage resulting from improper maintenance (e.g, storing battery fully discharged over the winter)
- Any electrical component that has been opened, altered, partially disassembled, or completely disassembled except by HAPPYRUN or an authorized HAPPYRUN dealer.

- Any PRODUCTS that have been disassembled in a manner not authorized by HAPPYRUN or that have had repairs attempted by anyone not authorized by PRODUCTS
- PRODUCTS that have been damaged due to improper adjustment or worn components
- PRODUCTS with damage resulting from an accident
- PRODUCTS that have been lent, leased, or rented commercially
- Bicycles not registered with HAPPYRUN by the BUYER within 60 days of delivery/sale
- Warranty shall not apply to PRODUCTS and/or situations in accordance with the terms of a specifc sale (e.g., scratches and dents to scratch & dent discounted merchandise)
- Cleaning of any PRODUCTS
- PRODUCTS that were not purchased by BUYER in new condition
- HAPPYRUN BIKES will not pay for any third-party service or part replacement unless agreed upon prior to the fix.
- HAPPYRUN BIKES will not pay for return shipping on any damaged or defective product or component.
- HAPPYRUN BIKES will not cover any damage resulting in use of a third-party battery charger.
- HAPPYRUN BIKES will not cover any damage that may occur during shipping if the owner sets up their own shipping option or if the bike is shipped using a freight forwarder or similar service.

The Scope Of Warranty Service

In case of a warranty claim within the warranty period for a non-excluded situation HAPPYRUN agrees to repair or replace the failed warrantied PRODUCTS with equivalent parts/accessories/components at the discretion of HAPPYRUN, by HAPPYRUN, an authorized HAPPYRUN dealer, or by a third-party with the approval of HAPPYRUN.

Replacement parts may not be identical to those being replaced.

Any additional non-warranty work done concurrently with a warranty repair/replacement will be subject to ordinary parts/labor fees. This includes anything not included by the warranty as well as anything excluded from the warranty.

No service, repair, or parts replacement provided under warranty will extend the original warranty period.

Warranty Claims Process

- Register your Bike within 60 days of purchase. Other products do not require registration.
- If you suspect that any part/component is defective, not attempt to repair or replace it yourself or to have it repaired or replaced before contacting HAPPYRUN-- doing so may invalidate your warranty and may cause additional damage, not necessarily limited to the PRODUCTS in question, and may also create the risk of injury.
- Contact HAPPYRUN via email to submit your warranty claim:support@happyrunsports.com. HAPPYRUN Bikes will not replace any part without first seeing photos or video of the damaged part.
- We will contact you to make plans for inspection and any warranty repairs
- All claims to this warranty must be made through HAPPYRUN Bikes. Proof of purchase may be required with any warranty request. Before making a warranty claim, we suggest that you contact our Technical Support team at service@happyrunsports.com as there may be a simple fix for your problem. Valid warranty claims will be processed through HAPPYRUN Bikes within one year of initial purchase.

SEVERABILITY

The invalidity or unenforceability of any provisions of this Agreement shall not affect the validity or enforceability of any other provision of this Agreement, which shall remain in full force and effect. Any provision of this agreement deemed to be invalid or unenforceable shall be interpreted, unless prohibited by law, in accordance with the provision's intent and in consideration of applicable laws and corresponding industry standards.

SHIPPING DAMAGE CLAIMS

IMMEDIATELY inspect your product(s) for damage. Freight damage claims are extremely time sensitive. We will not accept freight damage claims later than 14 days from receipt of the product. Note any damage to your product(s) on the Bill of Lading before you and the driver sign-off on the shipment. Take pictures of any damage that is found, and date the images when possible. Keep all packaging and paperwork until the inspection process is complete. Whenever possible, report damage claims within 10 days of delivery to a HAPPYRUN Bikes' customer support representative. Please contact our Customer Support team for return/replacement instructions at service@happyrunsports.com

We stand behind the warranty of our products and can assure you we learn every lesson along the way, bringing it into our services.

Service and support exist because in the real world, there are a lot of variables that will interact with your bike. So, we want you to be sure that we are here to help you and help you have the best riding experience. Your help will always be appreciated. We value your time and attention immensely.

Our goal is to be the friend when you have a doubt, or when you need to move the way you desire. Always feel free to read our materials and to reach out with any questions.

Register your HAPPYRUN Bike on our website:

service@happyrunsports.com/pages/contact

Model Names: Tank G300 SE Ultra

