



L12 User Manual



**Read this manual carefully before using your electric scooter.
Please keep it for future reference.**

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Key Features

- **Powerful 600W Motor**
- **Long-Range 48V Battery**
- **10" Pneumatic Tires + Dual Suspension**
- **Foldable Design with Detachable Seat**
- **Dual Disc Brakes + Full LED Lighting**
- **Smart LCD Display & Bluetooth App Control**
- **264 lbs Weight Capacity, Aircraft-Grade Frame**



Warning Messages

Risk of Serious Injury or Death

Riding an electric scooter comes with inherent risks, such as loss of control, collisions, and falls, which can result in serious injury or even death. To minimize these risks, carefully read and follow all safety instructions in this manual.

Essential Safety Guidelines

Helmet Requirement: Always wear a properly fitted, certified bicycle or skateboard helmet with a secure chin strap that protects the back of your head. In many areas, helmet use is legally required.

Avoid Hazards: Steer clear of obstacles and slippery surfaces that could cause loss of balance or traction, leading to falls. Be vigilant of your surroundings at all times.

Proper Installation: Ensure all parts are correctly installed before each ride. Never operate the electric scooter if any parts are missing or improperly attached, as this can lead to malfunctions, accidents, or injuries.

WARNING! Do Not Modify Your Scooter

Any unauthorized modifications to the electric scooter, without the manufacturer's written approval, may disrupt its normal operation, compromise safety, and void your warranty.

SAFETY WARNING

Riding an electric scooter involves inherent risks. Under certain conditions, components may fail unexpectedly, regardless of the manufacturer's quality control. As the scooter is a moving vehicle, loss of control, falls, or accidents can occur, potentially resulting in serious injury or death, even when wearing proper safety gear and taking precautions.

To Minimize Risks

Wear Protective Gear: Always wear a helmet and appropriate protective gear, such as elbow and knee pads, long-sleeved shirts, long pants, gloves, and lace-up shoes with rubber soles.

Follow Traffic Laws: Adhere to all local traffic laws and regulations. Be aware of speed limits, right-of-way rules, and where you are permitted to ride.

Ride Responsibly: Operate the scooter with care and avoid reckless behavior. Do not engage in stunts or exceed your skill level.

⚠ RIDE AT YOUR OWN RISK. USE CAUTION AND COMMON SENSE AT ALL TIMES.

Appropriate Riding Attire

To ensure maximum safety while riding, always wear the following protective gear:

Certified Safety Helmet: A helmet is not only a safety essential but may also be legally required in your area. Make sure it fits properly and offers adequate protection.

Elbow and Knee Pads: These provide crucial impact protection in case of a fall.

Long-Sleeved Shirt and Long Pants: Reduce skin exposure and potential abrasions in the event of an accident.

Gloves: Improve your grip on the handlebars and protect your hands.

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Lace-Up Shoes with Rubber Soles: Never ride barefoot or in sandals. Ensure shoelaces are securely tied and kept away from the wheels and drive system.

Rider Use & Parental Supervision

Maximum Rider Weight Limit: The scooter has a maximum weight capacity of 120 kg (265 lbs). However, weight is not the only factor; a rider must also be able to comfortably fit and control the scooter.

Recommended Age: The scooter is recommended for riders 16 years and older. Parents should assess whether a child is mature, skilled, and responsible enough to safely operate the scooter.

Regular Safety Reviews: It is your responsibility to ensure that all riders fully understand the warnings, instructions, and safety rules outlined in this manual. Periodically review and reinforce these guidelines.



Scooter Inspection: Regularly inspect and maintain the scooter to ensure safe operation. Check for loose parts, tire wear, and proper brake function.

Additional Safety Precautions

Hot Components: Do not touch the motor or brakes while the scooter is in use or immediately after riding, as these components can become extremely hot.

Keep Away from Children: The scooter is designed for competent riders. Keep it out of reach of small children to prevent accidents.

Riding Practices and Conditions

Safe Riding Guidelines

Follow Local Laws & Regulations



Before riding, familiarize yourself with and comply with all local laws and regulations regarding electric scooter usage. Some areas may have restrictions on where you can ride, such as sidewalks, bike lanes, or certain roads.

Ride Defensively

Stay alert and watch for obstacles, pedestrians, cyclists, and other vehicles. Anticipate potential hazards and avoid sudden turns or maneuvers that could lead to loss of control.

Respect Others

Be considerate of pedestrians, property, and other road users. Yield the right-of-way when necessary and avoid causing disruptions.

Use Speed Control Responsibly

Do not engage the throttle unless you are on the scooter in a safe, open outdoor area. Adjust your speed according to the conditions and your skill level.



No Stunts or Tricks

This electric scooter is not designed for extreme activities such as jumping, curb grinding, or stunt riding. These actions can cause damage to the scooter and void your warranty.

Keep Both Hands on the Handlebars

Maintaining a firm grip on the handlebars ensures stability and control. Avoid using your hands for other purposes while riding.

Single-Rider Only

Never carry passengers or allow multiple riders on the scooter at the same time. The scooter is designed to accommodate one person only.

⚠ Things to Avoid While Riding

Distractions



Never use a mobile phone, headphones, or other electronic devices while riding. These distractions can impair your judgment and reaction time.

Hitching

Do not hold onto another vehicle or tow objects or people while riding. This is extremely dangerous and can lead to accidents.

Water Exposure

Avoid puddles, wet roads, rain, and immersion in water. Water can damage the electrical and drive components of the scooter.

Rough Terrain

Ride only on flat, dry surfaces such as pavement. Avoid sand, gravel, rocks, mud, ice, and slippery surfaces that can reduce traction and increase the risk of accidents.

Excessive Speed



Avoid riding downhill at high speeds, as it can be difficult to maintain control. Use caution when descending slopes and adjust your speed accordingly.

Poor Visibility

Never ride at night, in low-visibility conditions, or near flammable/explosive materials. Ensure you can see and be seen at all times.

Unsafe Locations

Do not ride on public roads, steep slopes, near moving vehicles, swimming pools, or indoors on delicate surfaces like carpets and flooring. Choose safe and appropriate riding areas.

Pre-Ride Safety Check

Before every ride, inspect your electric scooter to ensure all components are properly secured and functioning:

A red decorative graphic consisting of a horizontal bar with a diagonal cutout on the left side.

Brake System: Test the brake system to ensure it is working properly. Make sure the brakes engage smoothly and provide sufficient stopping power.

Component Inspection: Check that all components are securely fastened and operating according to the manufacturer's specifications. Look for any signs of wear or damage.

Maintenance and Repairs: Only use manufacturer-authorized replacement parts for maintenance and repairs. Have installations and repairs performed by a qualified repair technician.

**FAILURE TO FOLLOW THE ABOVE WARNINGS MAY
SIGNIFICANTLY INCREASE THE RISK OF SERIOUS INJURY.**

**ALWAYS RIDE WITH CAUTION AND WEAR PROTECTIVE
GEAR.**

General Safety Information



Keep Dry: Do not submerge the scooter or its charger in water or any other liquid. Water exposure can cause electrical malfunctions and pose a safety risk.

Inspect Charger: Do not use a damaged or broken charger. If the charger is faulty, order a replacement immediately. A damaged charger can cause battery issues or even start a fire.

Professional Repairs: Repairs must be performed by an authorized or qualified service center. Unauthorized repairs may void the warranty and compromise the safety of the scooter.

Adult Assembly: Assembly must be completed by an adult. Follow the provided instructions carefully to ensure proper assembly.

Keep Away from Children: Keep plastic bags and small parts away from babies and children to prevent suffocation. The scooter and its components are not toys.

Suitability: This scooter is not suitable for individuals with physical, sensory, or mental impairments unless supervised by a responsible



person. Children must be supervised to ensure they do not play with the scooter.

Lithium Battery & Charging

Instructions

Initial Charge

Fully charge the lithium battery before first use. This initial charge helps optimize the battery's performance.

Regular Charging

The battery can be recharged at any time to maintain power. It is recommended to charge the battery at least once every three months to preserve its lifespan. The lithium battery can be recharged at least 500 times.

Using the Charger

Automatic Cutoff: The charger has a built-in protection function that automatically stops charging when the battery reaches 100% capacity. This prevents overcharging and extends the battery life.

Initial Charge Time: The initial charge should be 8 hours.

Subsequent Charges: Subsequent charge times should not exceed 8 hours. Overcharging can damage the battery.

Charging Process

Open the Port: Open the rubber charging port cover.

Connect the Plug: Insert the charger plug into the charging port.

Power On: Connect the charger to a power outlet.

Charging Indicator: A red light indicates that charging is in progress.

Fully Charged: A green light indicates that the battery is fully charged.

Charger Safety

Regular Inspection: Regularly inspect the charger for any damage to the cord, plug, or enclosure. If any damage is found, do not charge the scooter until the charger has been repaired or replaced.

Use Recommended Charger: Use only the supplied and recommended charger. Using an incorrect charger can damage the battery or cause a safety hazard.

Exercise Caution: Exercise caution while charging to prevent electrical hazards. Keep the charger away from water and flammable materials.

Adult Supervision: The charger is not a toy and should only be operated by an adult.

Safe Storage: Never use the charger near flammable materials or liquids. Always disconnect the charger and unplug it from the scooter when not in use.

Do Not Overcharge: Do not exceed the recommended charging time. Overcharging can damage the battery and pose a safety risk.

Cleaning Precautions: Before cleaning the scooter, always disconnect the charger. This prevents any potential electrical accidents.

Failure to follow these guidelines may result in damage to the scooter or pose a safety risk.

Packing List

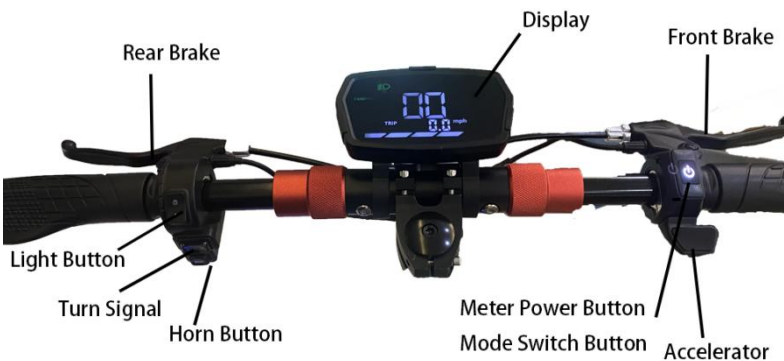


1. G03 E-scooter
2. Charging Adapter and Cable
3. Wrench tools
4. Rear wing
5. Phone Holder

Get to Know Your Scooter



Handlebar Function



Control Panel



Installation and Folding

Instructions

Handlebar & Vertical Pole Assembly

Unboxing & Initial Setup

Remove Packaging: Carefully remove the scooter from its packaging. Discard all protective foam, tape, and plastic.



Align Components: Align the handlebar with the top of the vertical pole. Ensure the internal cable openings are properly matched



Secure with Bolts: Insert the bolts through the designated mounting holes. Use the supplied wrench to firmly tighten the bolts, ensuring the handlebar is secure and wobble-free.



Adjust:

To change the handlebar height, open the height adjustment clamp, slide to your desired position, then securely close the clamp.

Unfolding & Adjustment Instructions



Unlock:

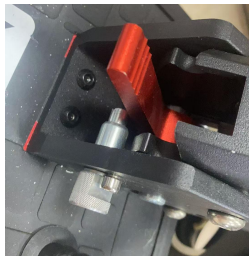
Pull the safety latch outward to release the folding

mechanism.



Extend:

Lift the handlebar upward until the vertical pole clicks into the upright locked position.



Double-Check:

Before riding, carefully check that all folding and locking mechanisms are fully secured.

Seat Installation



Lock:

Open the seat post safety latch and tighten to secure the seat post.



Insert

Insert the seat post into the mounting bracket.



Open the Clamp:

Open the seat clamp lever to adjust or secure the seat position.

Folding Instructions

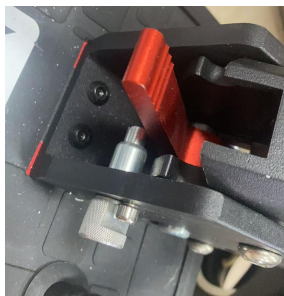


Unlock the Latch:

Press the safety latch outward to release the folding lock.



Hold both brake levers with one hand. Use your foot to firmly press down on the folding latch while gently pushing the handlebar downward



Secure the Folded Position:

Make sure the scooter clicks into the folded position. You should hear a “click” sound. Adjust the latch to the locked position to secure it.

Seat Angle Adjustment



Loosen the Screw:

Use the Allen wrench to loosen the screw at the seat shock absorber joint.



Adjust the Angle:

Adjust the seat angle as needed (recommended: level or tilted forward by 5°).

Tighten the Screw:

Re-tighten the screw securely to prevent the seat from shifting during riding.

Stand-up Mode Installation



1. Unscrew the seat mounting bolts
2. Use a wrench to remove the rear shock absorber bolts and nuts, then take out the seat and insert the rear wing.



3. Re-tighten the shock absorber bolts and secure them with the nuts.



Important Safety Notes

Pre-Ride Check: Before each ride, ensure all latches, folding mechanisms, and seat locks are properly secured.

Tool Use: Only use the included tools to avoid damaging components. Using incorrect tools can strip screws or cause other damage.

Refer to Diagrams: Use the user manual illustrations to confirm correct assembly positions. The diagrams provide visual guidance for proper installation.

Warning: Improper assembly or folding may cause equipment failure or injury. Contact customer support if you're unsure about any step.

APP Download

1. Download App



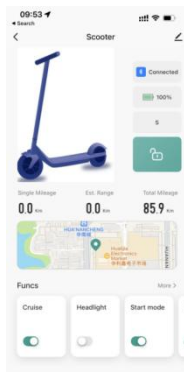
Scan the QR code to download and install the app.
The app is available for both iOS and Android devices.

2. Log In

Log in to the app quickly and easily using your mobile number.
Follow the on - screen prompts to complete the login process.

3. Add Device

Click "Add Device" in the top - right corner or the center of the screen. Make sure the scooter is powered on and Bluetooth is enabled on your phone. The app will search for available devices.



4. Complete Pairing



The app will automatically search for your scooter. Once detected, click "Finish" to complete the setup. Follow any additional prompts if necessary.

5. Control Your Scooter via the App

Once the scooter is connected to the app, you can control the lights, adjust speed settings, enable cruise control, and lock the scooter. Explore the app's features to customize your riding experience.

6. Manual Operation

If you choose not to use the app, you can operate the scooter using its onboard controls. The app provides additional functionality but is not required for basic scooter operation.

App-Connected Features

Monitor Scooter Status: The app connects to your mobile phone over Bluetooth to monitor the scooter status when the scooter is moving. You can track battery levels, mileage, and more.



Lock/Unlock: When the scooter is locked via the app, it cannot be ridden. If the scooter is moved, the app will send a notification.

Cruise Control: Press the accelerator for 15 seconds, and the scooter will beep. The display will show the cruise mark, and then you can release the accelerator, and the scooter will continue riding at the set speed. Press the accelerator or brake to cancel cruise control.

Start Mode Switch: If Start Mode is ON, pressing the accelerator will immediately activate the motor wheel. If Start Mode is OFF, you must kick the scooter forward while pressing the accelerator to engage the motor wheel.

Lighting Control: Control the headlight on/off through the app.

Data Monitoring: Check battery levels, mileage, and receive fault analysis. The app also offers positioning features.

Customized Display: Customize the data display on the scooter's panel.

Mode Selection: Adjust the max speed mode. Options include ECO PRO: Max speed 15 mph (25km/h) COMFORT: Max speed 21 mph (35km/h) SPORT: Max speed 28 mph (45km/h)

In the app's advanced settings, more scooter information and settings, such as speed limit adjustment, are available.

Troubleshooting for the Failure of App Connecting to Scooter

Exiting the App

If you are having trouble connecting to the scooter, exit the app completely before proceeding with the steps below. Close all background processes related to the app.

Reconnecting to the Current Phone

If the scooter is connected to another phone, disconnect it from the previous device and reconnect it to your current phone. Make sure Bluetooth is enabled on your current phone.

Clearing Data on the Scooter

If the issue persists, you may need to reset the connection:

Turn Off Scooter: Turn off the scooter.

Press Buttons: Press and hold the brake lever, accelerator, and power button at the same time for 7 seconds.

Reset: When the display shows the red E1 code, turn the scooter off and then power it back on. The reset is now complete

Pre-Operation Checks

Throttle and Handlebar Inspection

Power Off: Ensure the scooter is powered off before inspecting.

Throttle Check: Gently pull the throttle lever several times to confirm it returns smoothly to its original position. Avoid rapid or forceful presses to prevent damage.

Brake and Cable Inspection

Braking Power: Test the brakes in a safe area to ensure they engage quickly and provide adequate stopping force. Adjust if necessary before riding.

Brake Cable Check: If the brake feels stuck or makes unusual noises, inspect the internal brake cable for wear, fraying, or misalignment.

Tire Pressure and Condition Check

Tire Inspection: Examine both tires for punctures, cuts, or uneven tread wear.

Tire Pressure: Use a pressure gauge to ensure tires are inflated to **23kg/cm² (32.7 PSI)**. Under-inflated tires reduce efficiency and increase accident risk.

Tire Replacement: Replace tires immediately if damaged or worn beyond the tread limit.

Operation Instructions

a. Power On/Off

Turn On: Press and hold the power button for 3 seconds. The LCD screen will display battery level, speed, and mileage.

Turn Off: Press and hold the power button for 4 seconds.

Headlight Control: Single-press the power button to toggle the headlight on/off.

b. Speed Control

Accelerate: Use the right-hand throttle lever to increase speed (1–28 MPH).

Decelerate: Release the throttle or squeeze the brake lever to slow down.

Speed Modes: Double-click the power button to cycle through:

ECO PRO: 15 MPH (24 km/h) – ideal for energy efficiency. **COMFORT:** 21 MPH (34 km/h) – balanced for daily use. **SPORT:** 28 MPH (45 km/h) – for experienced riders in open areas.

c. Braking Control

Normal Braking: Squeeze the left brake lever to engage front/rear disc brakes. Pressure determines stopping force.

Emergency Stops: Use both brakes simultaneously for maximum stopping power.

d. Cruise Control

Enable in App: Ensure cruise control is activated in the Tuya Smart App.

Activate While Riding: Hold the throttle at a steady speed for 15 seconds. A beep and “CRUISE” icon will confirm activation.

Deactivate: Tap the throttle or brake to exit cruise control.

e. Start Mode (App-Configurable)

Mode ON: Throttle engages motor immediately when pressed.

Mode OFF: Requires a manual kick push before the motor activates, enhancing safety for beginners.

Maintenance & Repair

Brake

Check the brakes for proper function. When you turn the throttle, the brake should provide positive braking action. When you apply the brake with the speed control on, the brake cut off switch should stop the motor.

Frame, Fork and Handlebars

Check for cracks or broken connections. Although broken frames



are rare, it is possible for an aggressive rider to run into a curb or wall and bend or break a frame. Get in the habit of inspecting your scooter on a regular basis.

Battery

Make sure the power switch is turned off whenever the scooter is not in use. Never store the product in freezing or below freezing temperatures! Freezing will permanently damage the battery.

Lubricating

Please add a small amount of grease or lubricant to handle folded position every six months. Please check the scooter every three months to see if the screws are loose .

Placement and daily care

Do not expose the scooter to the sun or wet places for too long . Please keep the scooter clean and dry. For cleaning use a damp cloth and mild detergent.

Charger

Only use the supplied battery charger. If the charger is damaged discontinue use immediately and replace it with a recommended charger.

Wheels

Wheels and drive system components are subject to normal wear and tear, and it is the user's responsibility to regularly inspect the wheels for excessive wear and adjust or replace drive train components as needed.

Battery care and disposal

Battery Storage Instructions:

Temperature Range: Do not store the battery in temperatures above 40°C (104°F) or below 0°C (32°F) to ensure proper functionality and safety.

Lithium Battery Warning: This scooter contains lithium batteries. Follow the disposal regulations as per your local and state laws.

Battery Disposal Instructions:

Recycling: The scooter contains sealed lithium batteries that must be recycled in an environmentally safe manner. Do not dispose of the batteries in your household trash.

Hazardous Disposal: Do not dispose of the batteries in a fire, as this may cause leakage or an explosion. Incineration, landfill disposal, or placing sealed lead acid batteries in household trash is prohibited by law in most areas.

Proper Disposal: Return used batteries to an approved state or federal lead-acid battery recycler or check with your local vehicle battery retailer for disposal options.

Daily Storage & Cleaning

Store the scooter indoors in dry, cool conditions, avoid prolonged sunlight to prevent plastic degradation, clean surfaces with a damp cloth and mild soap, and ensure thorough drying after washing

while never using abrasive cleaners.

Warning: Do not mix old and new batteries, and avoid combining alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.



Troubleshooting

Problem	Possible Cause	Solution
Scooter will not run	Lithium battery is not charged	Fully charge the lithium battery. First charge should be 8 hours, and subsequent charges up to 8 hours.
	Wires or connectors are loose or unplugged	Check to ensure that the charger is tightly plugged into both the wall and the scooter.
Scooter run time is short	Lithium requires charging	Fully charge the lithium battery. First charge should be 8 hours, and subsequent charges up to 8 hours.
Lithium will not accept full charge	Power flow to the wall outlet is off	Make sure the power flow to the wall outlet is on.
	Lithium may need to be replaced	Rechargeable lithium batteries have a lifespan of 1 to 2 years depending on usage. Replace only with recommended replacement batteries.

Scooter runs sluggishly	Scooter is overloaded	Ensure you do not overload the scooter by exceeding the 120 kg maximum weight limit. Avoid going up steep inclines.
	Unsuitable riding conditions	Ride only on solid, flat, clean, and dry surfaces such as pavement or level ground.
	Overloading the scooter causes premature wear on the battery and components.	Avoid overloading the scooter as this will prematurely wear out the batteries and components.

Specification

Parameter	Details
Model	G03
Motor Power	600W Brushless Motor
Frame Material	Aluminum Alloy
Battery	48V 15.6Ah Lithium Battery
Battery Type	18650 Li-ion Cells
Charger	Input: 100-240V, Output: 54.6V 2A
Braking System	Front & Rear Brake Pads
Tires	10×3.0 inch Pneumatic Tires
Tire Material	Anti-slip, Wear-resistant Rubber
Suspension System	Front Hydraulic + Rear Spring
Lighting System	Front LED Headlight, Turn Signals, Rear Brake Light, Side Light
Display	LCD Display
Maximum Load Capacity	286 lbs (130 kg)
Top Speed	28 MPH (45 km/h)

Max Range	22-25 Miles (35-40 km) per Charge
Charging Time	8-9 Hours
Climbing Capability	15°-20 Incline
Wheelbase	85 cm
Dimensions (Unfolded)	45.5 × 24.5 × 46 inches (115.5 × 62.2 × 116.8 cm)
Dimensions (Folded)	45.5 × 24.5 × 25.5 inches (115.5 × 62.2 × 64.8 cm)
Net Weight	22.9 kg (50.5 lbs)
Smart App Compatibility	Tuya Smart App (iOS & Android)
Handlebar Height	40-51 inches (101.6-129.5 cm) (Adjustable)
Seat Height	18-24 inches (45.7-61 cm) (Adjustable)

Warranty & After-Sales

12-Month Limited Warranty

Covered Components: Motor, battery, and electrical parts (excluding wearables like tires/brakes).

Exclusions: Damage from misuse, unauthorized mods, or third-party purchases.

Claims: Email admin@lucky-liang.net with proof of purchase and issue details.

Disposal

Recycle batteries at certified e-waste centers. Do not incinerate or discard in trash.

Thank you for choosing Lucky Liang

We appreciate your trust in our products and hope you enjoy your riding experience!

AFTER-SALES SERVICE

Email: admin@lucky-liang.net

What'app: +971 582616899



Manufacturer: **Lucky Liang motorcycles trading - FZE**

Address: GK65A, dragon mart 2. Dubai. UAE

Web: www.luckyliangev.com

Made in China