

## GYROCOPTERS Flash 6.0

# GYROCOPTERS Flash 6.0 Electric Scooter User Manual

MODEL: FLASH 6.0

*Your comprehensive guide to operating and maintaining your electric scooter.*

## 1. Introduction and Overview

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The GYROCOPTERS Flash 6.0 Electric Scooter is designed for efficient urban mobility, offering a blend of power, safety, and convenience. It is suitable for both adults and teens, providing a reliable and enjoyable riding experience.

- **Enhanced Safety:** UL2272 approved, ensuring high safety standards. Features a push-to-start design for smooth acceleration and to prevent accidental jerks.
- **Impressive Speed Range:** Offers four distinct speed modes: Walk Mode (6 km/h), Eco Mode (10 km/h), Normal Mode (20 km/h), and Sports Mode (30 km/h), with a maximum range of up to 30 km.
- **Lightweight & Portable:** Weighing just 28.6 lbs (13 kg), its compact and foldable design makes it easy to carry and store, ideal for commuting and public transport.
- **High Load Capacity:** Capable of supporting riders up to 265 lbs (120 kg).
- **Powerful Motor:** Equipped with a 350W brushless motor (peak 500W) for responsive rides across various terrains.
- **Durable Tires & Braking System:** Features 8.5-inch solid rubber tires for a burst-proof ride and a rear disc braking system with bright red brake lights for responsive stopping power.
- **Visibility:** Bright LED headlights improve night visibility, ensuring safe rides in low-light conditions.
- **Interactive LED Display:** Provides essential ride information such as speed, battery level, and mode at a glance.



Figure 1: Overview of the GYROCOPTERS Flash 6.0 Electric Scooter and its app integration.

## 2. Setup and Assembly

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Your GYROCOPTERS Flash 6.0 Electric Scooter comes mostly pre-assembled. Follow these steps for initial setup:

1. **Unboxing:** Carefully remove all components from the packaging. Ensure all parts listed in the packing list are present.
2. **Unfolding the Scooter:**

Locate the folding clip mechanism near the base of the handlebar stem. Release the clip and carefully raise the handlebar stem until it locks securely into the upright position. Ensure it clicks into place to prevent accidental folding during use.



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## FLASH 6.0 E-SCOOTER

# Designed for Efficiency



**STURDY  
HOOK**



**30km/h (18.6mi/h)**  
Max Speed



**30km (18.6mi)**  
Max Range



**7.8 Ah**  
Battery Capacity



**UL2272**  
Approved

E-scooter speed and range may vary due to terrain, battery condition, and legal restrictions; estimates provided but not guaranteed by Gyrocopters.



Figure 2: Fast and easy unfolding of the scooter for immediate use.

3. **Initial Charge:** Before first use, fully charge the scooter's battery. Connect the charger to the charging port and plug it into a power outlet. The LED indicator on the charger will change color (e.g., red to green) when fully charged.

4. **App Integration (Tuya App):**

For enhanced control and features, download the "Tuya" app from your device's app store (Google Play for Android or Apple App Store for iOS). Follow the in-app instructions to pair your scooter via Bluetooth. This allows for features like remote locking/unlocking, headlight control, cruise control, and ride history tracking.



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APP INTEGRATED CONTROL

# Track Your Ride



Lock/Unlock

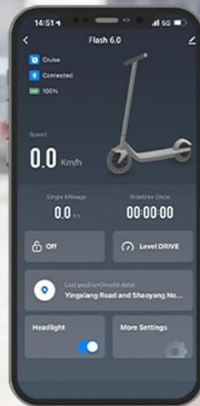
Headlight On/Off

Cruise Control

Switch Modes

Riding History

Explore More Fun on Tuya!



Search for "Tuya" on the Google Play Store (Android) or the Apple App Store (iOS) to download and install the app.

Figure 3: App-integrated control via the Tuya app for personalized experience.

## 3. Operating Your Scooter

Familiarize yourself with the controls and riding modes for a safe and enjoyable experience.

- **Power On/Off:** Hold the power button on the LED display for 3 seconds to turn the scooter on or off.
- **Headlight Control:** Press the power button once to turn the headlight on or off.
- **Push-to-Start Safety Feature:** For added safety, the scooter requires a gentle push with your foot (reaching about 3 km/h) before the motor engages and acceleration becomes active.
- **Speed Modes:** The Flash 6.0 offers four distinct speed modes to suit different riding conditions and preferences:
  - **Walk Mode (6 km/h):** Ideal for beginners or when riding in crowded areas.
  - **Eco Mode (10 km/h):** For efficient power consumption and extended range.
  - **Normal Mode (20 km/h):** Suitable for daily commutes.
  - **Sports Mode (30 km/h):** Provides maximum speed and power for faster rides.



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## 4 SPEED MODES

# Multiple Ride Options



### Walk

6km/h (3.7mi/h)



### Comfort (ECO)

10km/h (6.2mi/h)



### Normal (D)

20km/h (12.4mi/h)



### Sports (S)

30km/h (18.6mi/h)

## 4 SPEED MODES



Figure 4: Multiple ride options with 4 speed modes for improved riding experience.

- **Cruise Control:** Accelerate to your desired speed and hold the accelerator for 5 seconds to activate cruise control. The scooter will maintain this speed until you apply the brake or accelerator again.
- **Braking:** The scooter is equipped with EABS + Disc Brakes for responsive and reliable stopping. Apply the brake lever on the handlebar to slow down or stop.

Your browser does not support the video tag.

Video 1: Demonstrates the power, speed, and comfort features of the Gyrocopters Flash 6.0 E-scooter in various environments, including folding and riding.

## 4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your GYROCOPTERS Flash 6.0 Electric Scooter.

- **Cleaning:** The sleek design allows for easy cleaning. Use a damp cloth to wipe down the scooter. Avoid using high-pressure water jets or harsh chemicals, especially near electronic components.
- **Battery Care:**
  - Always charge the battery fully before first use.
  - Avoid completely draining the battery. Recharge it regularly, even if not in frequent use.
  - Store the scooter in a cool, dry place, away from direct sunlight and extreme temperatures.

- If storing for an extended period, ensure the battery is charged to about 50-70% and recharge it every 30-60 days.


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## SAFETY & RELIABLE Trusted E-Scooter for You



**Hold 3 Seconds: Power On/Off**  
**Press 1 Time: Headlight On/Off**

**LED Screen**  
Displays:

Speed	Battery Level
Mileage	Mode
Light	Cruise Control

**Accelerate the Speed**  
**Hold 5 seconds: Activate Cruise Control**

**UL 2272 Approved**

Safety approved for Canada and the US laws, ensuring a secure e-scooter that meets certain safety standards. UL2272 test:

- Brakes
- Battery Systems
- Electrical Components
- Mechanical Components
- Structural Integrity

**Battery Management System (BMS)**

Protect battery from:

- Undervoltage
- Over Temperature
- Catching Fire
- Overload
- Short Circuit
- Overcurrent
- Overvoltage

**UL Approved Battery**

Figure 5: The scooter's UL2272 approved battery and Battery Management System (BMS) protect against various electrical issues.

- **Tire Inspection:** Although equipped with solid rubber tires to prevent flats, regularly inspect them for any signs of wear, cracks, or damage.
- **Brake Check:** Periodically check the responsiveness of the disc brakes. If you notice any degradation in braking performance, consult a qualified technician.
- **General Inspection:** Before each ride, quickly check all nuts, bolts, and connections to ensure they are secure.

## 5. Troubleshooting

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Scooter does not power on.	Low battery; Power button not held long enough; Loose connections.	Charge the battery fully; Hold power button for 3 seconds; Check all visible cable connections.

Problem	Possible Cause	Solution
Motor not engaging after push-to-start.	Insufficient initial push speed; Scooter in locked mode via app.	Ensure you push off to at least 3 km/h; Check Tuya app to ensure the scooter is unlocked.
Reduced range or battery life.	Battery not fully charged; Riding in Sports mode frequently; Heavy load; Cold weather; Uphill riding.	Ensure full charge; Use Eco or Normal mode for efficiency; Note that range varies with conditions.
App connectivity issues.	Bluetooth off; App not updated; Scooter not discoverable.	Ensure Bluetooth is on; Update Tuya app; Restart scooter and app.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact GYROCOPTERS customer support.

## 6. Specifications

Feature	Detail
Brand	GYROCOPTERS
Model Name	Flash 6.0
Color	Pitch Black
Age Range (Description)	Adult, Teen
Weight Limit	265 Pounds (120 kg)
Product Dimensions	43"L x 19"W x 45"H
Number of Wheels	2
Wheel Material	Alloy Steel
Frame Material	Alloy Steel
Item Weight	13 Kilograms (28.6 lbs)
Handlebar Type	Straight
Handle Height	48 Centimeters
Wheel Size	8.5 Inches
Wheel Type	Burst Proof Honeycomb Wheel
Suspension Type	Rigid
Brake Style	EABS + Disc Brakes, Rear Disc Braking
Recommended Uses For Product	Commuting, Off Road, Stunts
Maximum Distance Range	19 Miles (approx. 30 km)

Feature	Detail
Included Components	1 x Gyrocopters Flash 6.0 Electric Scooter, 1 x E-scooter Charger, 1 x Safety Manual

## 7. Warranty and Support

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The GYROCOPTERS Flash 6.0 Electric Scooter comes with a **Limited 90-Day Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use conditions.

For warranty claims, technical support, or any inquiries regarding your scooter, please contact GYROCOPTERS customer service through their official website or the contact information provided with your purchase documentation.

Please retain your proof of purchase for warranty validation.