Z5 ECLIPSE HOVERBOARD

-MANUAL-
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Congratulations on your new Jetson Z5 Eclipse Hoverboard! The Eclipse is an innovative and fun personal transportation device, ready to take on everyday use. Before your first ride, check whether the wheels are damaged, or parts are loose. If there are any abnormalities, please contact Jetson Customer Support at 1-(888) 976-9904 or email us at customerservice@jetsonbike.com.

This product manual can help you understand, use, and maintain your Eclipse. In order to avoid danger caused by collisions, falls, and loss of control, please use caution and learn how to ride the Eclipse safely. Jetson and authorized dealers cannot be held liable for injury or damage caused from riding the Eclipse. Users ride at their own risk.

The rider is responsible for consequences caused by violating warnings or improper operations.

If you want to return this product for any reason, be sure to first call or email us before taking it back to the store so we can assist you.
INCLUDED IN THE BOX

ECLIPSE HOVERBOARD

CHARGING CABLE

CHARGER

FEATURES & SPECS

SPECIFICATIONS
• MOTOR: 400 W
• MOTOR TYPE: DUAL HUB MOTOR
• MAX SPEED: 10 MPH
• MAX RANGE: 12 MILES
• BATTERY TYPE: LITHIUM ION 24V 4.0Ah
• BATTERY INDICATOR: YES
• CHARGER: UL LISTED, 110-240V
• CHARGE TIME: UP TO 2 HOURS
• REMOTE CHARGER: N/A
• PRODUCT WEIGHT: 20 LBS
• WEIGHT LIMIT: 220 LBS

• PRODUCT DIMENSIONS: 25” x 7.5” x 7.5”
• WHEEL SIZE: 6.5”
• BLUETOOTH SPEAKER: BUILT-IN
• BLUETOOTH VERSION: 4.0
• CLIMBING ANGLE: UP TO 15°
• REMOVABLE BATTERY: NO
• RECOMMENDED AGE: 13+
• UL 2272 CERTIFIED: YES
5. LED Lights
6. Power Button
7. Wheels

1. LED Lights
2. Mat Sensors
3. Charging Port
4. Battery Indicator And Status Light
MAT SENSOR
There are four sensors under the mat. Never remove the mat or you will revoke the warranty. When the Eclipse is turned on and you step on, it will automatically adjust to the balance mode. Please don’t step outside the outlined mat. Please do not put items on the mat; that will prevent the Eclipse from switching off, which could cause a collision. The device will not move without putting pressure on at least one sensor.

CHARGING BATTERY
Your Eclipse comes with a rechargeable lithium ion battery. Always use the provided charger only. Before your first ride you must fully charge the Eclipse - charge for 8 hours. For every ride after, charge your Eclipse until it is fully charged, and NOT LONGER. Do not leave any chargers plugged in overnight, or leave it plugged in past the charge time.

1. Plug one end of the power cord into a grounded AC outlet and the other into the Eclipse’s charging port. The red charging light on the charger unit will turn on.

2. The red light will turn green once fully charged. Recharge the Eclipse after each use.

(Please note: Always plug the charger into the wall first before the device. If the wall outlet doesn’t have power and you plug the charger into the device first, it will light green, even if the battery is not full. So always plug into the wall first to make sure there is power.)

THE CHARGER OFFERS A CHARGING STATUS ON THE TOP OF THE CHARGER:
Charging Light Red battery is charging.
Charging Light Green charging is complete.

Stop riding immediately if the Eclipse displays low power.

Don’t use the hoverboard if the battery emits strange odors, overheats, or begins leaking. If the battery does leak, do not touch any leaking materials, as the battery contains dangerous substances. Do not open the battery and do not insert anything into the battery.

Only use the provided charger for the Eclipse. Do not charge the battery if it has over-discharged. It should be discarded for your safety.

BATTERY LEVEL INDICATOR LIGHT
An LED indicator on the top of the device is used to indicate battery level. When the light is green, it means the device has over 50% battery power. When the light is yellow, there is 49%-20% battery power remaining. When the light turns red, there is less then 20% battery power remaining and should be charged as soon as possible. Always check the power level before using the Eclipse to ensure there is enough power.

Warning: If battery power goes below 10%, the device will automatically turn off for your safety.
The Ride Jetson App is available for download from the App Store and the Google Play Store, and unlocks exciting features on your Eclipse. Simply install the app and connect to your Eclipse via Bluetooth® (as detailed below).

With the Ride Jetson App, you can...
- Watch your real-time speed
- Keep track of your travel time and distance
- Customize the front LED’s color and brightness level
- Compete with friends in challenges
- Share your ride stats on Facebook, Twitter, and Instagram…and much more!!
**BLUETOOTH FUNCTION**

**HOW TO CONNECT TO BLUETOOTH**
Your Eclipse is equipped with two Bluetooth modules: one for your Bluetooth speaker and one for the App. You will need to connect to them separately.

**TO CONNECT TO YOUR BLUETOOTH SPEAKER:**
1. Turn on the Eclipse and it will become discoverable on your handheld device.
2. To connect, activate your Bluetooth in your handheld device’s settings.
3. Find the Eclipse in your handheld device list, and select to connect to play your music.

**TO CONNECT TO THE RIDE JETSON APP:**
1. Open the Ride Jetson app on your handheld device.
2. Tap the Bluetooth symbol in the top left corner of the app to find your Eclipse.
3. Select your hoverboard. Default password is “000000.” (note: To customize your password go to Settings in the App. To factory reset the password please recalibrate the device).
4. You should now be connected and able to use the Ride Jetson app with your Eclipse.

NOTE: When your app is not connected via Bluetooth, the Bluetooth logo in the app will be white. When your app is connected via Bluetooth, the Bluetooth logo in the app will turn green.

**MODE SETTINGS IN THE RIDE JETSON APP**
There are three mode settings that can be selected in the Ride Jetson App:
- Maximum speed in Beginner operating mode: Up to 4 mph**
- Maximum speed in Intermediate operating mode: Up to 6 mph**
- Maximum speed in Advanced operating mode: Up to 8 mph**

**A lot of factors can affect speed and drive distance, such as the weight of the driver, weather conditions, terrain, and overall maintenance of the Eclipse.**

NOTE: Rider can also manually customize settings outside of preset settings. Features that can be adjusted in the Ride Jetson App include Steering Sensitivity, Driving Force, Maximum Speed, and Auto Shutdown Time.
HOW IT WORKS

WORKING PRINCIPLES
The Eclipse uses Active Balance Technology and acceleration sensors to control balance intelligently, depending on a center of gravity. Built-in inertia dynamic stabilization systems maintain the direction of forwards and backwards, however, it cannot guarantee the stability of left and right. When you ride, be sure to shift your weight to overcome centrifugal force and improve turning safety.

SAFE RIDING
• Always wear comfortable clothes and closed-toe, flat shoes. Use the Eclipse in a spacious area and ensure that there are no significant obstacles in the way. Make sure the charger is unplugged before riding the Eclipse. Clothing should not be so loose that a garment may be caught on a passing object or in the wheels; this could result in loss of control and personal injury. The Eclipse is intended to use indoors or on smooth, flat surfaces.
• The power button is located near the center of the device, on the opposite side of the charging port. Press it until you hear the Eclipse beep to turn it on or off.
• The range of the Eclipse is dependent upon the way you use it. The battery will run out quicker if you ride at high speeds and/or up or down an incline.

GETTING ON AND OFF
• Be careful getting on and off the Eclipse. Always step forward when getting on the Eclipse and step backward when getting off. Getting on and off the Eclipse in any other manner may result in a fall.
• Set the Eclipse on flat ground and turn the power on.
• Put one foot on the mat and the green light on top of the unit will light up.
• Lift your other foot slowly and place it on the other mat.
• When standing on the Eclipse, keep your feet shoulder-width apart. Do not stand on the center portion of the Eclipse. Keep a relaxed, upright posture, with your knees slightly bent.
• After standing up successfully, remain upright and maintain your balance to keep the Eclipse stationary.
• Shift your body weight gradually to pick up speed. Do not lunge forward or backward. Slight movements will pick up speed, so be cautious as you become accustomed to the Eclipse.
• When you are ready to get off the Eclipse, come to a complete stop by getting to an upright and stationary position.
• Step off with one foot first behind the unit and then step down with the other.
• Once you are safely off, power down the Eclipse. If you do not turn it off, it will stay on for 10 minutes allowing you to step on and go again without engaging the power button. The Eclipse will shut off automatically after 10 minutes.
HOW TO RIDE

- Moving forward: Lean forward on both platforms and/or point your toes downward to move forward.
- Moving backward: Lean backward on both platforms and/or push your heels down to move backward.
- Turning right: point your left toes downward, rotating the platform forward to turn right.
- Turning left: point your right toes downward, rotating the platform forward to turn left.
- To rotate: slightly tilt one foot forward and the other foot backward.
CARE AND MAINTENANCE

DRIVING RANGE
A lot of factors will affect how far you can go per charge:
- Driving surface: A smooth, flat surface will increase driving distance.
- Weight: More weight means less distance.
- Ambient temperature: Please ride and store the Eclipse under recommended temperature, which will increase its longevity and driving distance.
- Maintenance: Timely battery charging and maintenance will increase driving distance.
- Speed and driving style: Maintaining a moderate speed will increase distance. Frequent starting and stopping, acceleration, and deceleration will reduce it.

SPEED LIMIT
The top speed of the Eclipse is 8 mph. When you approach the maximum speed, it will try to prevent you from accelerating further. It will tilt back in order to shift your weight backward. Do not continue leaning or bending forward to try to increase your speed or you will fall.

WEIGHT LIMIT
The maximum load is 220 lbs., and the minimum load is 45 lbs. Going above the maximum weight limit can cause injury, and going below the minimum weight limit will disable control features. If your weight is slightly above 45 lbs. and you find the hoverboard shaking, please adjust the sensitivity or force in the Ride Jetson app and it should no longer shake.

TERRAIN
The Eclipse behaves differently depending on riding terrain and other conditions. When using it, please keep the following in mind:
- The Eclipse is intended for use on smooth, flat surfaces. To prevent loss of traction, always be careful when riding, and learn to identify and avoid slippery and wet surfaces, loose materials, slopes, potholes, and other obstacles. Stop and step off the Eclipse when you come to unsafe surfaces or terrain.
- The wheels must be able to grip the ground for you to stay upright. Slips occur with loss of traction, potentially causing loss of control and a fall. Abrupt maneuvers and riding over slippery surfaces, bumps, and loose objects and materials may cause the Eclipse to lose traction.

PROTECTION FUNCTION
If there is a system error or improper operation during usage, the Eclipse may give you a prompt. This will only occur under certain conditions, such as:
- Surface angle exceeds 20° (If the angle is more than 35° the motor will shut off after 15 seconds).
- Maximum speed is reached.
- Motor is overheating or overcharging.
- System enters overcharging protection mode (the green indicator will light up).
- A wheel is blocked (the Eclipse will shut down after 2 seconds).
- Battery is low but still being used (the Eclipse will turn the motor off after 15 seconds).
- Balancing in a neutral position for over 30 seconds.

**HOW TO RECALIBRATE**
When the Eclipse experiences an error, the running indicator light will turn red. That means it will not operate until it is properly recalibrated. Please do not try getting on the unit until the error has been fixed. To recalibrate, follow these steps:

1. Put the hoverboard on a flat, level surface, with the mat facing up.

2. Press and hold the Power Button for about 5 seconds until the lights on the Eclipse flash, and you are notified of a successful calibration.

3. Turn it OFF and then ON again to restart the Eclipse. That completes the recalibration, and is now ready for use.

**STORAGE**
- If you plan on storing the Eclipse for a substantial period of time, please make sure you fully charge the battery before storing. The battery should be fully charged once a month after this.
- You should bring the Eclipse into a warm environment (above 50 degrees Fahrenheit) for charging.
- To protect against dust, cover the Eclipse.
- Store the Eclipse indoors, in a dry place and at a suitable temperature.
- Do not leave the Eclipse plugged into the charger for long periods of time.
SAFETY WARNINGS

Here are some useful tips to make sure you always have a safe ride:

- Children, the elderly, and pregnant women should not use the Eclipse.
- Do not ride after drinking or taking prescription medication.
- Do not carry items when riding.
- Prior to each ride, inspect each part of the Eclipse that you’re using to ensure it has been maintained correctly and is functioning properly.
- Always give way to pedestrians.
- Always comply with local traffic laws and regulations. Remember, the Eclipse is a motor vehicle, and is treated as such by local law enforcement. You can and will be arrested for drunk driving. Many cities have restrictions on where you can drive motor vehicles, as well as additional restrictions on driving non-automobiles on streets and highways.
- Be alert to things in front and far away from you.
- Make sure your feet are always placed securely on the mat sensor.
- The Eclipse cannot be ridden by two or more people. Only one person can ride at a time.
- A rider may not weigh less than 45 lbs. The Eclipse is unable to operate properly with such a rider, especially on downhill terrain where the driver will be unable to reduce speed or stop safely.
- When you ride the Eclipse along with other hoverboard users, always keep a safe distance to avoid a collision.
- While on the Eclipse, your height increases by several inches. Be careful when you pass through doorways.
- When turning, be sure to maintain your balance.
- Do not allow distractions when riding, such as answering the phone or engaging in any other activities.
- Do not ride in the dark.
- Avoid riding in the rain or on smooth surfaces such as snow, ice, and slippery floors.
- Do not ride on roads with obstacles (such as twigs, litter, small stones, etc.).
- Avoid riding in narrow spaces or on steep slopes.
- Avoid riding around flammable gas, steam, liquid, or dust that could cause fire.

CALIFORNIA WARNING
This product contains chemicals, including lead, which are known to the state of California to cause cancer, birth defects, and other medical conditions.

MODIFICATIONS
Do not attempt to disassemble, modify, repair, or replace the Eclipse unit or any components of the unit. This will void any warranty, and can lead to malfunctions which may cause injury.

ADDITIONAL OPERATION CAUTIONS
Do not lift the Eclipse off the ground while it is in operation and the wheels are in motion. This can result in freely spinning wheels, which may cause injury to yourself or others nearby. Do not jump on or off the Eclipse, and do not jump while using it. Always keep your feet firmly planted on the hoverboard mat while in operation. Always check battery charge before using. Do not ride when battery is low.
LIMITED 1 YEAR WARRANTY

TO QUALIFY FOR WARRANTY SERVICE:
1. You must present a copy of the sales receipt from an approved retail partner within 90 days of purchase.
2. This product cannot be used for rental or commercial use.
3. This product cannot be used for competition.

LIMITATIONS OF LIABILITY
• This Limited 1 Year Warranty is non-transferable after the product’s initial sale.
• No unapproved modifications can be made to the product, its performance or otherwise, in order for this Limited 1 Year Warranty to remain in effect.
• No reimbursement is provided for towing, loss of time, loss of use, inconvenience, incidental or consequential damages.
• Warranty is void if weather related water damage is determined. Owner is responsible for storage and protection from weather.
• Jetson® makes no warranty with respect to products or trade accessories not made by Jetson®, including, but not limited to, motors, tires, wheels, and batteries, such products or trade accessories, such items being subject to the original manufacturer’s warranty, if any.
• This Limited 1 Year Warranty does not cover minor surface blemishes, rips, tears, or other cosmetic damages due to normal use, or other intentional or unintentional damage to the product.
• This Limited 1 Year Warranty will not cover any damage which results from the application of improper cleaners, solvents or chemicals to the product, water damage, smoke or soot, or from exposure to saltwater, sea breeze or salt.
• This Limited 1 Year Warranty will not cover any damage which results from aging, such as fading of paint, deterioration of plated surfaces, deterioration of rubber or plastics, or rusting.
• This Limited 1 Year Warranty does not cover improper repair or misdiagnoses of problems.
• This Limited 1 Year Warranty only covers parts due to manufacturer defect.
• Damage due to misuse or neglect, use other than as specified in the Owner’s Manual, or use under abnormal conditions are not covered by this Limited 1 Year Warranty.

OWNER’S WARRANTY RESPONSIBILITIES
As the device’s owner, you are responsible for the performance of the required maintenance. You may be denied a warranty claim solely because of your failure to ensure the performance of all scheduled maintenance. As the owner, you should be aware that you may be denied your warranty coverage if your device or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications. For any issue regarding your Jetson® product, call toll free 1-(888) 976-9904, or email customerservice@jetsonbike.com.
Please complete and mail this card within 10 days of purchase or go to https://www.ridejetson.com/product-registration.

Name: _____________________________________________________________________________

Address: ____________________________________________________________________________

City, State, Zip: ______________________________________________________________________

Email: ______________________________________________________________________________

Home Phone: ___________________________ Gender: _____________________________

Purchase Date: _________________________ Purchased From: __________________________

Serial Number: ______________________________________________________________________

Is this your first Jetson product? ______________________________________________________

Other similar product owned before: ____________________________________________________

Why did you buy this product?: □ For myself
                                 □ For my child
                                 □ For my grandchild
                                 □ Gift for someone else (adult)
                                 □ Gift for someone else (child)

How did you hear about the Eclipse Z5? ________________________________________________

____________________________________________________________________________________

Complete this form and mail it to:

Attention: Product Registration
Jetson Electric Bikes
1 Rewe Street
Brooklyn, NY 11211