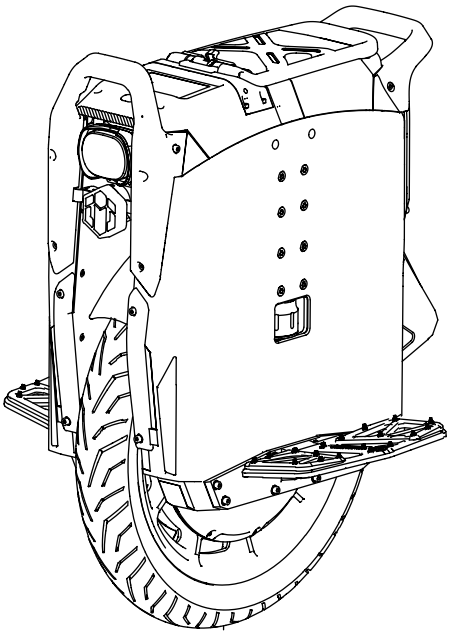
INMOTION

P6

Electric Unicycle User Manual

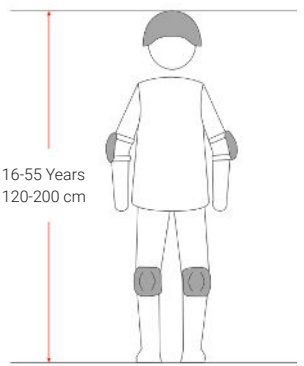


Before using your Electric Unicycle, please read the instructions, and keep this manual for ready reference.
Original instructions


INMOTION

GETTING STARTED

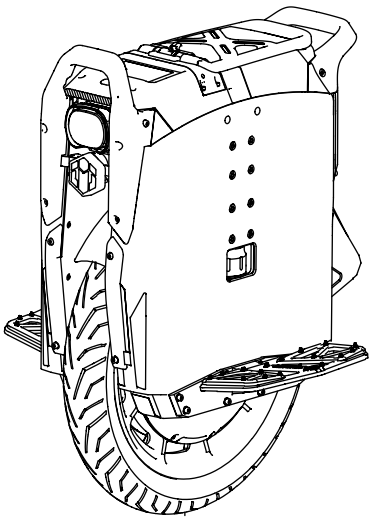
Thank you for choosing the INMOTION Electric Unicycle(hereinafter referred to as the EUC)! This EUC is an intelligent high-tech entertainment product. When you use the EUC, there may be situations such as falling or collision that can cause injury and other risks. To reduce possible risks and ensure the personal and property safety of yourself and others, you have the responsibility and obligation to carefully read the user manual, fully understand all the warnings and precautions listed in this manual, and ensure that you can use it correctly. To obtain the latest feature/function information and safety guidance, please download the electronic version from the official website.
Important! Read carefully and keep for future reference.
Serial number (referred to as SN below) is a unique identifier for each product, which can be used for product warranty, maintenance, insurance claims, loss confirmation, and so on. The SN is a 16-character numeric code that can be found on the packaging box label, the body of the product, or in the device information section of the INMOTION App.
Get closer to your seller so he can refer you to an appropriate training organization.



When riding an electric unicycle, please wear a helmet, knee pads, elbow pads, wrist guards and other protective gear throughout the journey to reduce the risk of injury.
All pictures in this manual are for reference only. Please refer to the actual product for accuracy.

PACKING LIST

Please carefully check all components inside the packaging. If any components are missing, please consult your point of purchase.

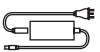




User Manual



Quick Start Guide



Power Cord /Adapter



Washers*2



M3 Countersunk screws*4



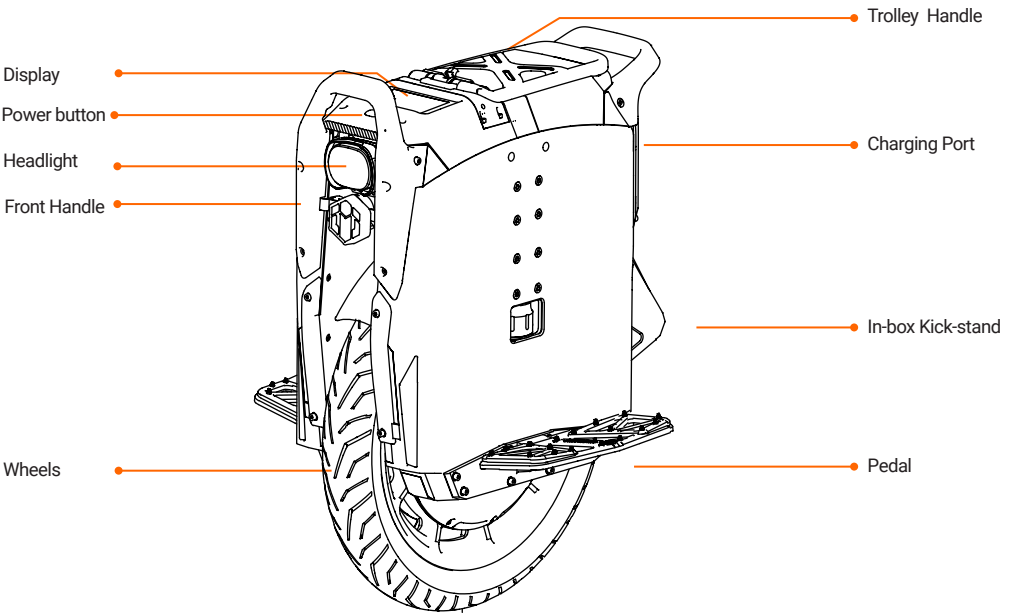
L-shaped Wrench*2



Set of Powerpads (Individuallypackaged)

Warning: Please keep the packaging box and packaging materials for at least 30 days for future use when transporting the electric unicycle.

DIAGRAM


Trolley Handle
Display
Power button
Headlight
Front Handle
Charging Port
In-box Kick-stand
Wheels
Pedal

PRODUCT FEATURES

Power On/Off: Long press the power button to turn on the device, long press the power button to turn off the device when it is on.

Headlight: Short press the power button to turn on/off the headlight when it is on; the headlight can be set to turn on/off automatically in the App.

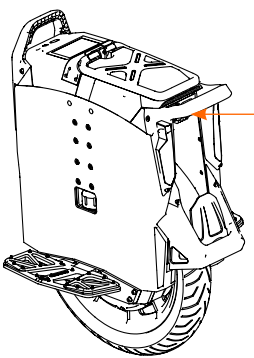
Tail Light: flashing high when braking; tail light is always on when the headlight is on.

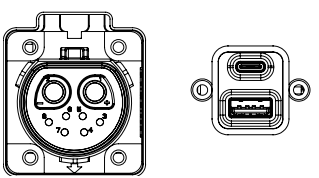
Anti-spin Button: Double click the power button, the vehicle will lose balance.

Touch Screen: Get the riding data in real time and set the vehicle parameters quickly.

Charging

The rated charger output voltage is 235.2V. The blue light indicates that the power is connected.
The green light indicates that the battery is fully charged or in standby mode.
The red light indicates that the battery is charging.
Alternating red and green flashing lights indicate a power-on self-check or an error. (Maximum charging current: 14A)





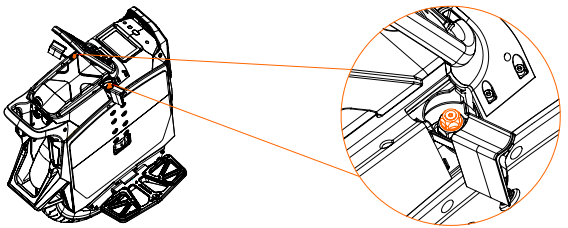
Charging port

⚠ Warning:

- **Do not charge if there is water at the charging port or power cord.**
- **Please use the original adapter for charging.**
- **Do not charge indoors.**
- **Cover the lid tightly after charging.**
- **Do not charge if the battery is damaged or has been exposed to water.**
- **If not in use for a long time, it is recommended to charge once every three months.**

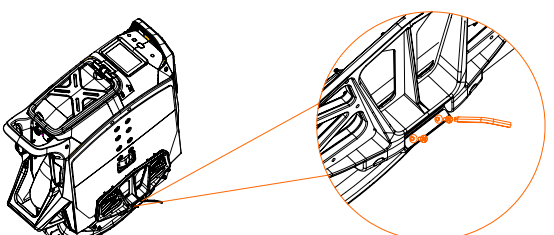
Shock Absorber Damping Force Adjustment

By rotating the top screw of the shock absorber clockwise or counterclock wise, you can adjust the compression damping force or rebound damping force of the shock absorber.



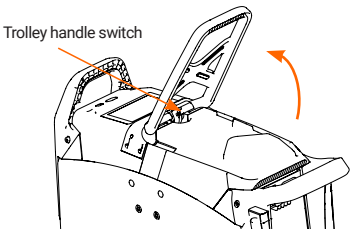
Pedal Angle Adjustment

Increase pedal angle: Align the M3 countersunk screw and washer with the screw hole below the pedal, and tighten using an L-shaped wrench.

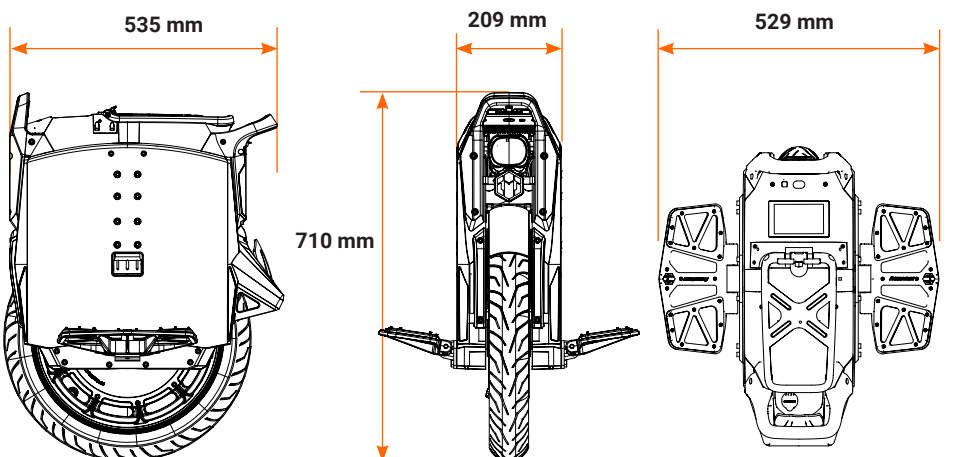


Trolley Handle

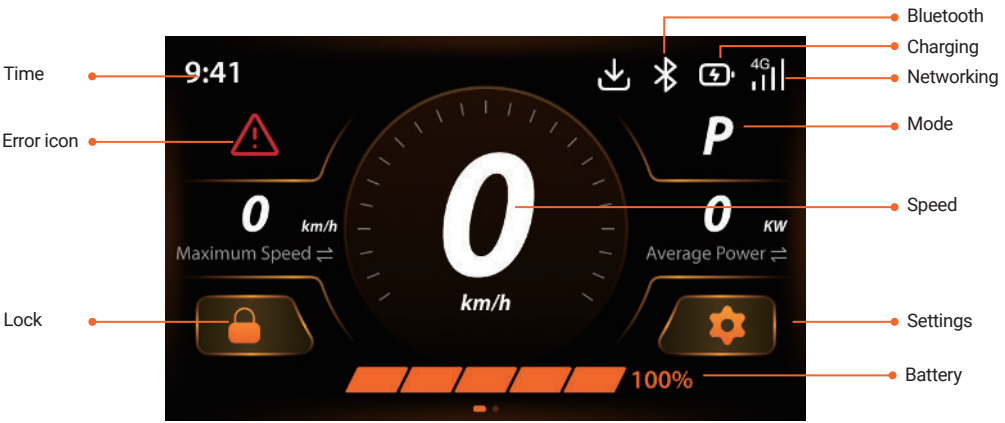
Deploy the actuator by pressing the actuator switch underneath the actuator handle to unlock it; when the actuator is not in use, hold the actuator switch underneath the actuator handle to retract it.



DIMENSION



Dashboard



Display contents

Speed unit: The speed unit can be switched via the touchscreen by navigating to Settings>Other Parameters>Metric/Imperial.
Battery level: The battery level bar and the direct number show the current battery level of the vehicle.
Lock: After setting an unlock password via the app, the vehicle can be locked and unlocked through the touchscreen.
Bluetooth: The icon lights up when Bluetooth is connected.
Error icon: This icon will appear when the vehicle has a warning or malfunction. Tap the icon to view detailed fault information.
Charging Icon: This icon is displayed when the vehicle enters charging mode.

PRODUCT PARAMETERS

Specification	Item	Parameter
Basic Information	Model	P6
	Range(km)	150-200
	Charging time(h)	4（5A）
	Rated power(KW)	6
	Max. power(KW)	20
	Designed Maximum Speed(KM/H)	150
	Max. Slope(°)	45°
	Suspension Range(mm)	90
Body	Length*Width*Height(mm)	535*209*710
	Net weight(kg)	51
	Max. Load(kg)	140
	IP Rate	IP56
Battery Pack	Rated Energy(Wh)	4032
	Battery Pack Waterproof Rating	IP67
	Max. Voltage(V)	235.2
	Intelligent BMS	Over-charging, over-temperature, over-discharge, over-current, short-circuit, over-voltage and other protections
Motor	Motor Size(inch)	14
	Tire Size (Outer)	80/90-14
	Factory Tire Pressure(BAR)	2.8
	Motor Waterproof Rating	IPX6
Charger	Charger Input (V)	AC 110~240V
	Charger Output (W)	1176

Specification	Item	Parameter
Peripheral Configuration	Charger Interface	KC Series 2+6
	Number of charger ports	1
Lighting Configuration	Headlight(W)	12
	Illumination Lamps(W)	1.7
	Tail light-brake light(W)	2
Requirements	Applicable age(years)	16~55
	Applicable height(cm)	120-200
	Operating Temperature(℃)	-10-40
	Storage temperature(℃)	-20-40

[1]: Typical range is obtained at full charge, with a load of 90kg, ambient temperature of 25°C, and riding at speeds of 20 to 40 km/h on a flat, paved road. The range of the wheel is influenced by factors such as temperature, tire pressure, road conditions, and riding habits (such as rapid acceleration and braking).

[2]: fully charged, 90 kg payload, 25°C, no wind, at the flat road.

[3]: fully charged, 90 kg rider get the data through a large amount of tests.

INITIAL USE

Before Use

Electric Unicycle is a high-tech recreation product. When you ride without following the operation specifications, it may lead to unpredictable injuries and property losses. The following will explain how to use Electric Unicycle and the precautions in details. Please read it carefully and use Electric Unicycle as required. Before using, please make sure that all parts of Electric Unicycle are not damaged and installed properly.

⚠ Warning:

- **Before using the Electric Unicycle, ensure that the battery is fully charged. It is recommended to charge it more than 80 percent of capacity.**
- **Find a relatively open and flat area to practice riding, (at least 4m by 4m in area), both inside and outside. You need to be fully aware of the riding environment around you to ensure that you are not disturbed by obstacles such as cars, pedestrians, pets, bicycles, etc.**
- **You need a skilled assistant stood by. The assistant must be familiar with Electric Unicycle and all precautions and usage methods in this manual.**
- **Please do not ride the vehicle on slippery ground.**
- **Users are advised to wear comfortable, casual or sports clothing, and to wear flats and warm up to improve your flexibility.**
- **Be sure to wear a helmet and riding protective gear to avoid injury.**

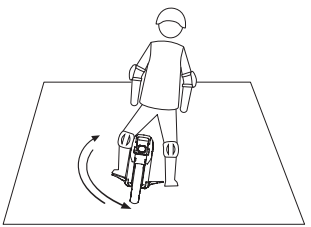
Download INMOTION App

Download the App in the following ways
1. Scan the QR code on the left
2. Search "INMOTION" in the Apple store or Google Play Store.
3. Visit www.inmotionworld.com/support/app

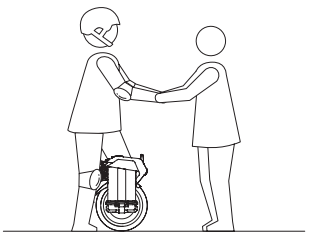
⚠ Tips:

Electric Unicycle supports Bluetooth 5.0 BLE. The BLE ID is P6-XXXXXXXX, where XXXXXXXX is the last 8 digits of SN.
Install the INMOTION App on your mobile device (iOS 12.1 and above or Android 7.0 and above supported) and follow the prompts to connect your Electric Unicycle.
For more functions, please visit the official website to download the latest version of INMOTION App user manual.

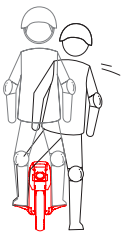
LEARNING TO RIDE



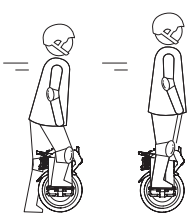
1. Step on the pedal with one foot, then swing back and forth.



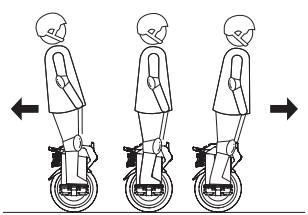
2. Step on the pedal with one foot, keep your feet and body upright and gradually shift your weight up.



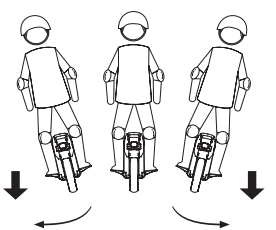
3. Step on the pedal with one foot, lift the other foot off the ground for 1-2 seconds and start gliding.



4. Step on the pedal with one foot, push back with the other foot and start gliding.



5. Step on pedals with both feet, use your weight to move forward and back.



6. Press the pedals with feet by different force to make a turn.



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Facebook group



Website

www.inmotionworld.com