MAGICYCLE

Cruiser / Cruiser Step-thru

Owner's Manual

www.magicyclebike.com

About Manual

This manual contains details of the product, and information on its operation and maintenance and other helpful tips for owners. Read it carefully and familiarize yourself with the Magicycle Cruiser / Cruiser Step-thru before using it to ensure safe use and prevent tragic accidents. Be sure to retain this manual as your convenient Magicycle Cruiser / Cruiser Step-thru information source.

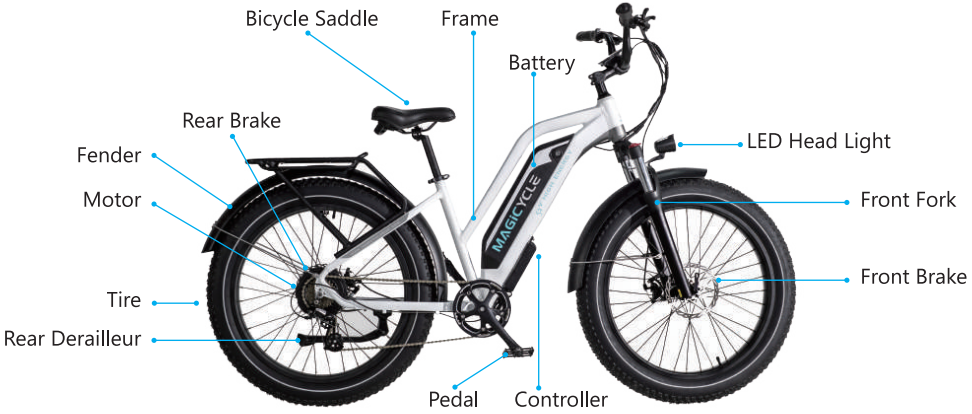
This manual contains many Warnings and Cautions concerning the safe operation and consequences if safe setup, operation and maintenance are not performed. All information in this manual should be carefully reviewed and if you have any questions you should contact Magicycle Bike After-Service immediately. The notes, warnings and cautions contained within the manual and marked by this triangular Caution Symbol should also be given special care. Users should also pay special attention to information marked 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 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 www.magicyclebike.com to download the latest version. Magicycle Bike makes every effort to ensure accuracy of its documentation and assumes no responsibility of liability if any errors or inaccuracies appear within. Assembly and first adjustment of your Magicycle Bike requires special tools and skills and it is recommended that this should be done by a trained bicycle mechanic if possible.

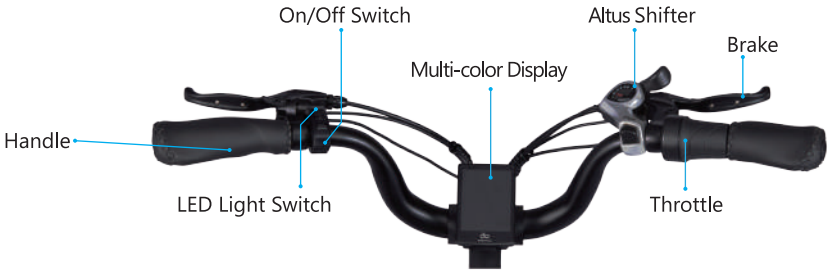
Product Specification

Battery	52v 15Ah 780Wh Lithium Battery	Front Fork	Alloy Front Suspension Fork with Lockout and Adjustment
Motor	750W High Speed Brushless Geared Motor	Bike Frame	26"*4.0" AL6061 Aluminum Alloy Frame
Display	Magicycle Multi-color Display (With USB Power Port)	Brake	180mm Double Action Mechanical Disc Brakes
Derailleur	7-speed Shimano-Altus-7 Speed	Charger	US Standard 3.0A Smart Charger
Standard Speed	20 MPH	Freewheel	Shimano 7 Speed
Estimate	35~60+ Miles	Saddle	Super Soft Cushion
Pedal Assist	Intelligent 7 Level Pedal Assist	Shifter	Altus Shifter
Throttle	Half Twist Throttle	Tires	Kenda 26" x 4.0"
Charging Time	3~5 Hours	Product Weight	72 Ibs
Recommended Rider Heights	5.3" ~ 6.4"	Total Payload Capacity	275 Ibs

Cruiser



Cruiser Step-thru



Maximum Load Capacity
275 LBS

Wheelbase
45 INCH

Min / Max Seat Height
28~36.5 INCH

Total Length
75 INCH

Tires
26X4

Handlebar Reach
46.5 INCH

Motor
750W

Maximum Load Capactiy
275 LBS

Min / Max Seat Height
28~36.5 INCH

Tires
26X4

Motor
750W

Wheelbase
45 INCH

Total Length
75 INCH

Handlebar Reach
46.5 INCH

Safety Checklist

NOTICE: *Before every ride it is important to carry out the following safety checks.*

Safety Check	Basic Steps
Brakes	o Ensure front and rear brakes work properly. o Ensure brake pads are not over worn and are correctly positioned in relation to the rims. o Ensure brake control cables are lubricated, correctly adjusted and display no obvious wear. o Ensure brake control levers are lubricated and tightly secured to the handlebars.
Wheels and Tires	o Ensure tires are inflated to within the recommended limits of tire pressure displayed on the tire sidewalls. o Ensure ties have tread and have no BULGES OR EXCESSIVE WEAR. o Ensure rims run true and have no obvious wobbles or kinks. o Ensure all wheel spokes are tight and not broken.
Steering	o Ensure handlebar and stem are correctly adjusted and tightened, and allow proper steering. o Ensure the handlebar is set correctly in relation to the front fork and the direction of travel.
Chain	o Ensure the chain is oiled, clean and runs smoothly. o Extra care is required in wet or dusty conditions.
Cranks and Pedals	o Ensure pedals are securely tightened to the cranks. o Ensure the cranks are securely tightened and are not bent.
Derailleurs	o Check that the derailleur(s) are adjusted and functioning properly. o Ensure shift lever and brake lever are attached to the handlebar securely. o Ensure all brake and shift cables are properly lubricated.
Motor Drive Assembly and Throttle	o Ensure hub motor is spinning smoothly and the motor bearings are in good working order. o Ensure all power cables running to hub motor are secured and undamaged. o Make sure the hub motor axle bolts are secured and all torque screws and torque washers are in place.
Battery Pack	o Ensure battery is charged before use. o Ensure there is no damage to battery pack. o Lock battery to frame and check to see that it is secured.

Assembly Instructions

NOTICE: *The following assembly steps are only a general guide to assist in the assembly of your Magicycle Bike and is not a complete or comprehensive manual of all aspects of assembly, maintenance and repair. We recommend you consult a certified bicycle mechanic to assist in the assembly, repair and maintenance of your bicycle. For detailed instructions please view the Magicycle Cruiser / Cruiser Step-thru Assembly video and Quick Release Installation video found at www.magicyclebike.com.*

Step 1 **:** Install the handle bars. Remove the four screws from the stem, ensuring the linear markings on the handlebars are centered and handlebars are adjusted to the comfortable position. Finally, tighten the screws with the assembly tool.

Step 2 : Install the headlight. Use a socket wrench to hold the nut and loosen the screw with a inner hexagon wrench and remove the screw. Install the screw pass through headlight and the bracket and adjust the headlight properly for riding conditions.

Step 3 : Install the front fender, clamp the nut with a socket wrench, loosen the screw with an Allen wrench and remove the screw. The mounting screws pass through the headlight bracket and the front fender bracket, and use an Allen key to fix the screws of the front fender and the front fender bracket.

Step 4 : Install the front wheel. Remove the plastic front fork guards from the front wheel being sure not to touch the brake rotor set. Open the quick skewer and remove the thumb nut and cone spring. Carefully lower the fork and ensure the brake rotor goes into the caliper. Next align the dropouts with the axle of the wheel hub to make sure the fork dropouts are fully seated on the axle. Install the quick skewer starting from the brake rotor side of the wheel and then push quick release skewer through the hub. Keep two cone springs pointed towards the wheel hub. Tighten the thumb nut until the quick release lever is held in line with the axle, and then use your palm of your hand to close the quick release skewer.

Step 5 : Use a bike pump with a press gauge to Inflate tires to desired KPA. The recommended pressure for this mode is 40 KPA. To not over inflate or underinflate tires.

Step 6 : Install the pedals. The left and right pedals are marked on both ends. First, install the right pedal by tightening the pedal in clockwise direction. The left pedal is tightened by turning the pedal in counterclockwise direction. Both pedals should be tightened to 35 Newton meters by using a torque wrench.

Step 7 : Adjust the saddle height. loosen the seat clamp, remove the seat post and ensure the seat clamp is centered over the hole in the seat tube. Insert the seat post into the slot, adjust the saddle height to a suitable height and tighten the adjustment nut. When you feel resistance, close the seat tube clamp fully.

Step 8 : Adjust the seat position forwards or backwards. Use a allen wrench to loosen the seat adjustment bolt and make sure to stay within the marked adjustment range.

Step 9 : Check the battery pack is locked into the frame of the Magicycle Cruiser / Cruiser Step-thru. When you want to take off the battery, insert the key and turn to release the battery pack. The battery pack can be removed and charged separately. This is the charging port. Align the battery pack to the battery holder carefully and push until when you hear it click into the place.

NOTICE: *Ensure all hardware is tightened properly and all safety checks in the following sections are performed before first use. Contact Magicycle Bike if you have any questions regarding the assembly of your bike. If you are not able to ensure all the assembly steps in the assembly video are performed properly, or you are unable to view the assembly video please consult a certified local bicycle service provider for assistance in addition to contacting Magicycle Bike After-Service for help.*

Recommended Torque Values

Hardware Location	Torque Required (Nm)
Handlebar	12-15
Stem	15
Saddle	20-22
Front Wheel (For Bikes with Bolt on Front Wheel)	25-30
Kickstand	15-18
Front-mounted Carrier	18-22
Pedals	25
Disk Mounting Screw	6
Disk Caliper Mount	10-12
Crank Screw	35-40
Rear Derailleur Cable Screw	8-10
Front Derailleur Screw	8-10
Seat Post Screw	70

Start-Up Procedure

After the bike has been properly assembled following the unboxing video and all components are secured correctly, you may now proceed to start up the vehicle and select the power level following the next steps.

- 1. Hold down the button "M" on the display remote for 2 seconds then release, the display should turn on.
- 2. Select your desired level of pedal assistance between level 0 through 7 using the "**+** " and "**-** " buttons on the display panel. Level 1 corresponds to the lowest level of pedal assistance, and level 7 corresponds to the highest level of pedal assistance. Level 0 indicates pedal assistance will be inactive.
- 3.hold down the "+" button located on the top of left side of the handlebars for 2-3 seconds, can turn on the headlight.
- 4. With the proper safety gear and rider knowledge and understanding you may now proceed to operate your Magicycle Bike. You can begin by pedaling the bike in the appropriate drivetrain gear with or without pedal assistance. You may also use the throttle to accelerate and maintain your desired speed.

Display Features

- Intelligent Battery SOC indication
- Motor Power indication
- Assist-level indication and selection
- Speed indication (incl. Real-time speed, Max. speed and Ave. speed)
- Odometer and trip distance
- Push-assistance control and indication
- Trip time indication
- Backlight On/Off and indication
- Error code indication
- USB connection indicator
- Various Parameters Settings (e.g., wheel size setting, speed limit setting, battery voltage segmented value setting, power assist parameters setting,etc.)

General Operation

◆ Switching the E-bike System On/Off

Briefly press the power button to switch on the E-bike system. When display is on, hold the power button for 2s, the E-bike system will be switched off and no longer uses the battery power.

* When parking the E-bike for more than 5 minutes, the E-bike system switches off automatically.
* When the E-bike is parked for a long time, please remove the power supply and keep it properly!

◆ Display Interface

After switching on the E-bike system, the display will show real-time Speed and Trip Distance by default. Press the "i" button to switch between following elements:

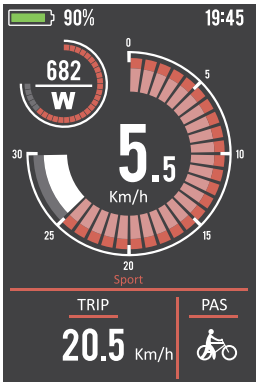
Trip (Km) →ODO (Km)→Max. Speed (Km/h)→ Avg. Speed (Km/h) →Time (Min.) .

Display Indication Cycle Interface

◆ Switching Push-assistance Mode On/Off

To activate the push-assistance function, keep holding the " **-** " button. After 2s, The E- bike's drive is activated at a speed of less than 6 Km/h while the screen displays "  ". The push-assistance function is switched off as soon as you release the " **-** " button on the operating unit . The E-bike system stops the power output immediately.

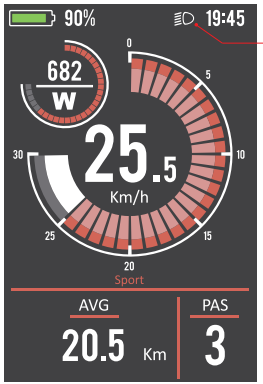
* Push-assistance function may only be used when pushing the E-bike.
* Be aware of danger of injury when the wheels of the E-bike do not have ground contact while using the push-assistance function.



Push-assistance Mode

◆ Switching the Lighting On/Off

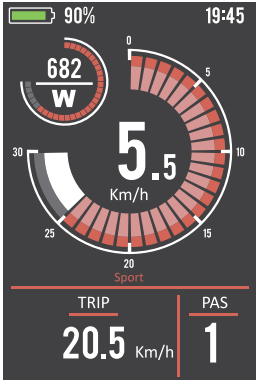
To switch on the bike light, hold the " **+** " button. The backlight brightness is automatically reduced. Hold the " **+** " button again, the lighting can be switched off.



Switching the Lighting Mode On/Off Interface

Assist Level Selection

Briefly press " **+** " or " **-** " button to switch between assistance levels so as to change the motor output power, The default assistance level ranges from level "0" to level "7", The output power is zero on Level "0". Level "1" is the minimum power. Level "7" is the maximum power. When you reach "7", press the " **+** " button again, the interface still shows "7", and blinks at "7" to indicate the power highest. After the power downshift reaches "0", press the " **-** " button again, the interface still shows "0" and blinks at "0" to indicate the power minimum. The default value is level "1".



Assist Level Toggling Interface

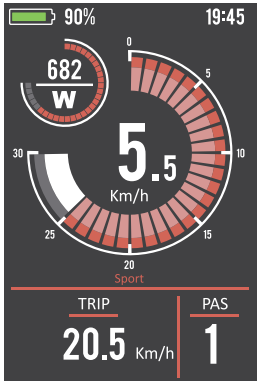
Battery SOC Indicator

The five battery bars represent battery SOC.The five battery segments are bright when the battery is in high voltage. When percentage is 0%, the battery needs to be recharged immediately.

Battery SOC Indication Interface

◆ Motor Power Indicator

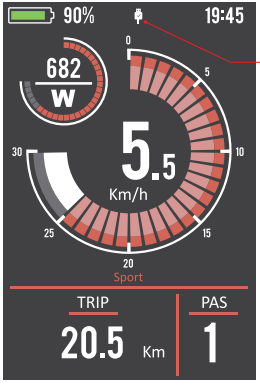
The output power of the motor can be read via below interface



Motor Power Indication Interface

◆ USB connection indication

When the display is inserted into a USB external device, the display interface will show as below.

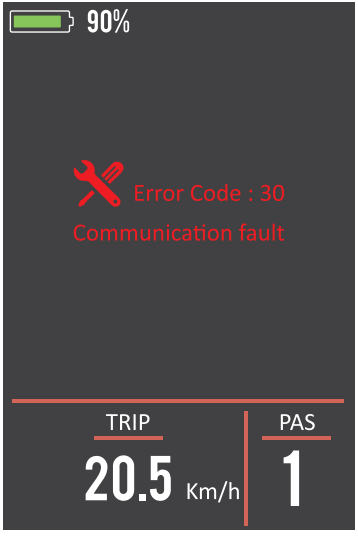


USB Connection Indication Interface

Error Code Indication

The components of the E-bike system are continuously and automatically monitored. When an error is detected, the respective error code is indicated in text indication area.

Here is the detail message of the error code in **Attached list 1**.

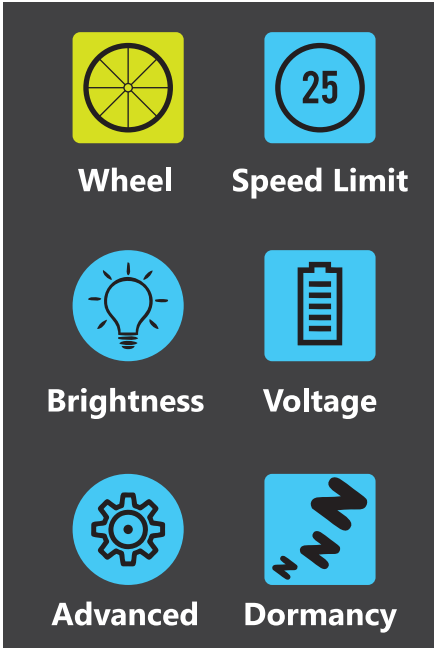


Error Code Indication

Have the display repaired when error code appears. Otherwise, you will not be able to ride the bike normally. Please always refer to an authorized dealer.

Setting

Press the On/Off button to switch on the display on a stationary E-bike. To access Setting page, hold both the " **+** " button and the " **-** " button for 2s.

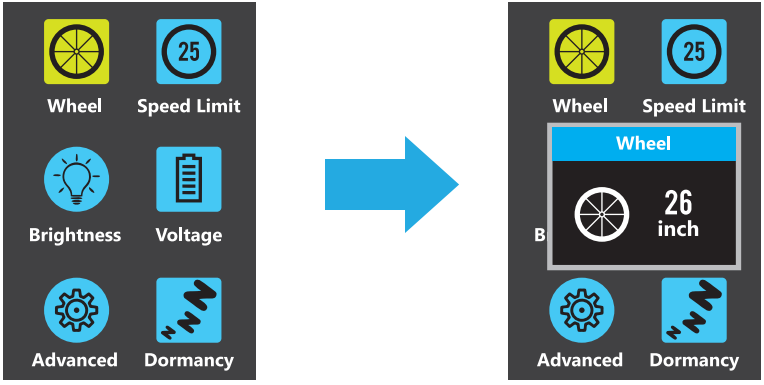


Setting interface

Setting is prohibited when the bicycle is running.

◆ Wheel Diameter Setting

Wheel represents wheel diameter settings. To change basic settings, press the " **+** " or the " **-** " button to increase or decrease until the desired value is displayed. The default value is 26 inch.
To store a changed setting, press the "i" button to confirm.

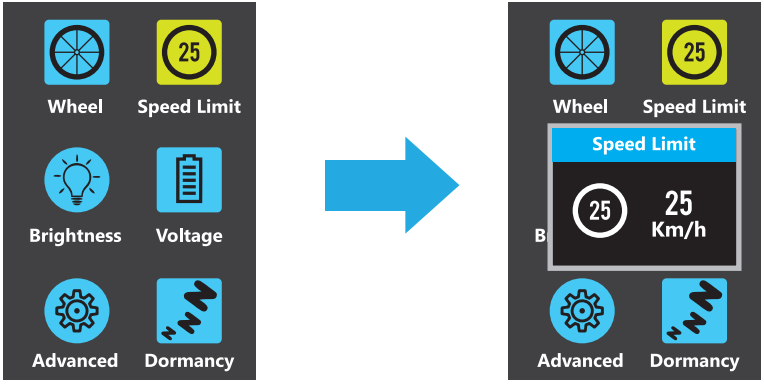


Wheel Diameter Settings Interface

◆ Speed-limit Setting

Speed Limit represents the limited speed settings. When the current speed is faster than speed limit, the E-bike system power output will be reduced. Speed limit range is 15Km/h to 45Km/h. The default maximum riding speed of the instrument is 45 km/h,Change this value to set the maximum travel speed of the e-bike,When the motor exceeds the set value, the controller will stop supplying power to the motor to protect the rider.

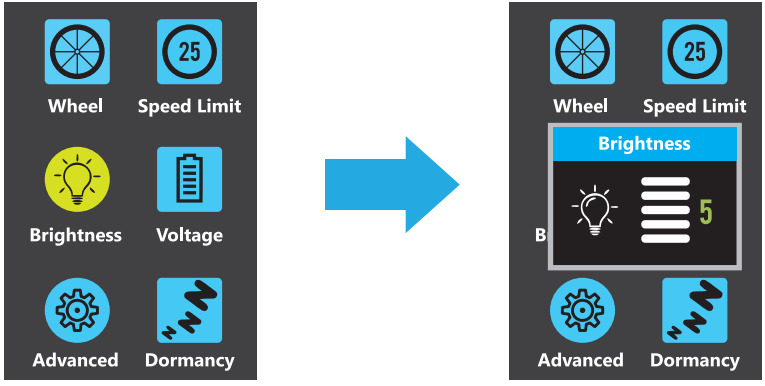
Driving safety:LS represents the speed limit, and the maximum speed setting value can be selected from 15 km/h to 45 km/h, which can be adjusted by" +" or "- "button;Press the "i" button to confirm and exit the setting state.



Speed limit settings interface

Backlight Brightness Setting

Brightness represents backlight brightness settings. Level 5 is the highest brightness. The less the level value, the lower the backlight brightness.
To change the backlight brightness, press the " **+** " button or the " **-** " button to choose the desired percentage.
To store a changed setting, briefly press the "i" button to confirm.

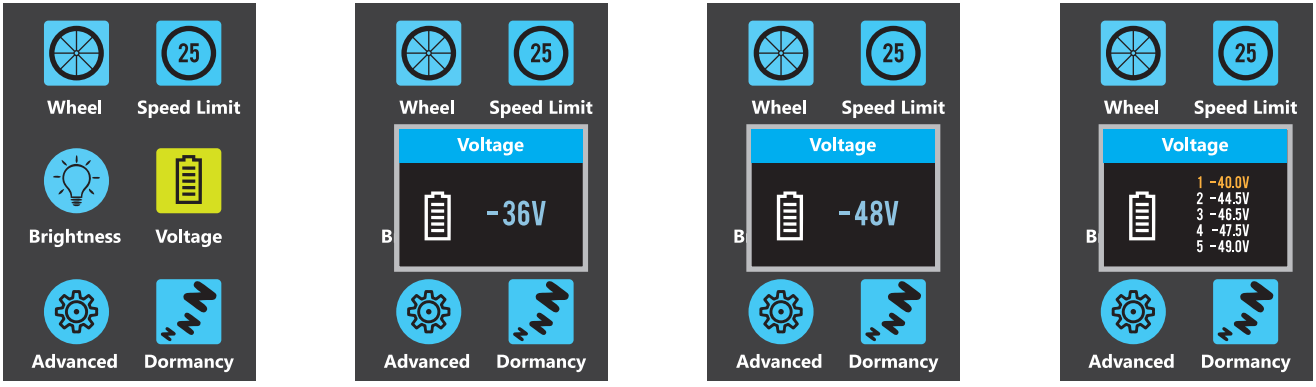


Backlight Brightness Settings Interface

Battery Power Bar Setting

Voltage represents battery voltage segmented value settings. 36V/48V/52V switchable.
5 bar-voltage values for 36V, 48V or 52V must be entered one by one. Take 48V for example, "1-" is the first bar voltage value and its default value is 41.2V.

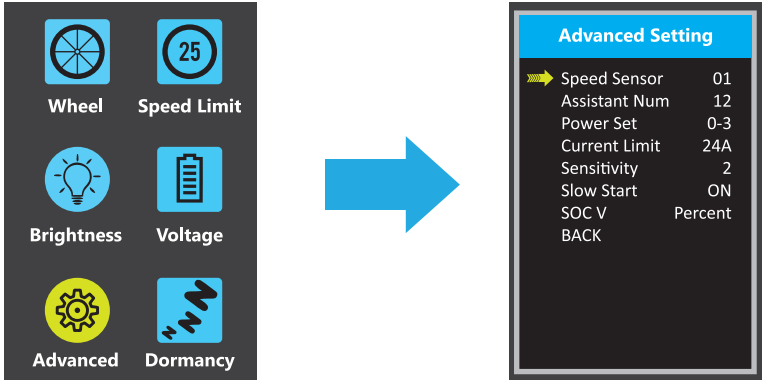
To set battery power bar value, press the " **+** " or the " **-** " button to increase or decrease the voltage values.
To store a changed setting and access the next bar voltage setting, press the "i" button.
In the same manner, after 5 bar-voltage values are entered completely, press the "i" button to confirm.



Battery Voltage Settings Interface

◆ Advanced Setting

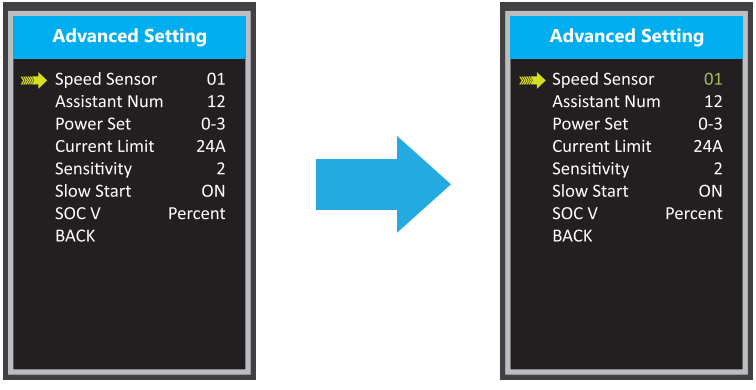
Advanced setting here deals with PAS parameters settings



Advanced setting interface

◆ Speed Sensor

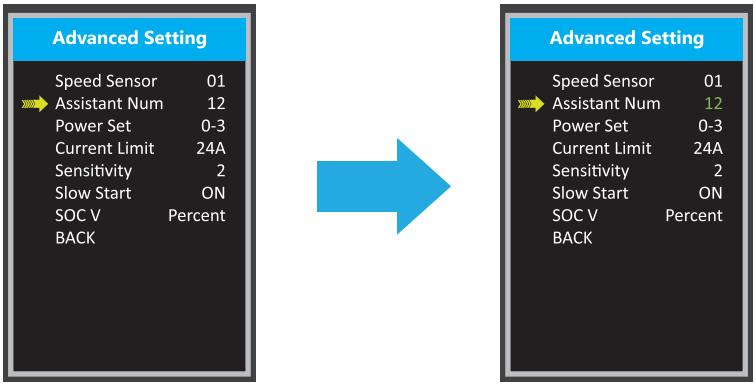
Speed Sensor represents speed sensor magnet numbers settings.
To change speed sensor settings, press the " **+** " or the " **-** " button to set the numbers of magnets on the e-bike spoke (the range is from 1 to 15).
The default value is 1.
To store a changed setting, press the "i" button to confirm.



Speed sensor setting

◆ Power Assistant Sensor Magnet

Assistant Num represents the number of magnets on the PAS disk. The settable range is "5" to "24". The default value is 12.
To change the magnet numbers for the power assist sensor, press the " **+** " or the " **-** " button to choose the desired number.
To store a changed setting, press the "i" button to confirm



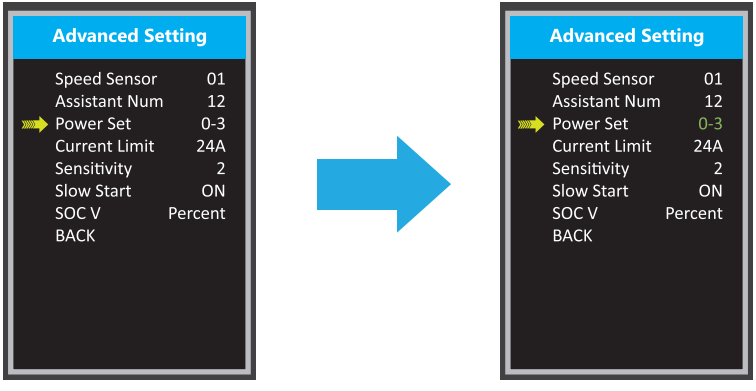
Assistant Num setting interface

◆ Assist Level Setting

Assist Level Mode Options

Power Set represents assist level settings. In assist level mode settings, there are 8 modes for your choice: 0-3, 1-3, 0-5, 1-5, 0-7, 1-7, 0 -9, 1-9. The default mode is 0-7.

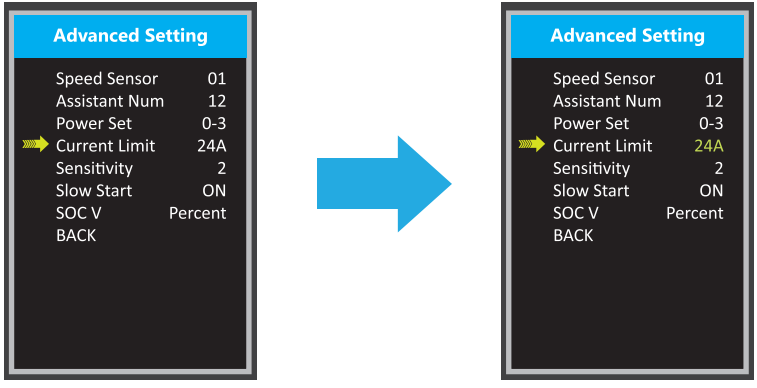
To change assist level mode, press the "+" or the "-" button to choose the desired mode and press the "i" button to confirm and access assist level ratio settings automatically.



Assist Level Mode Settings Interface

◆ Current limit Setting

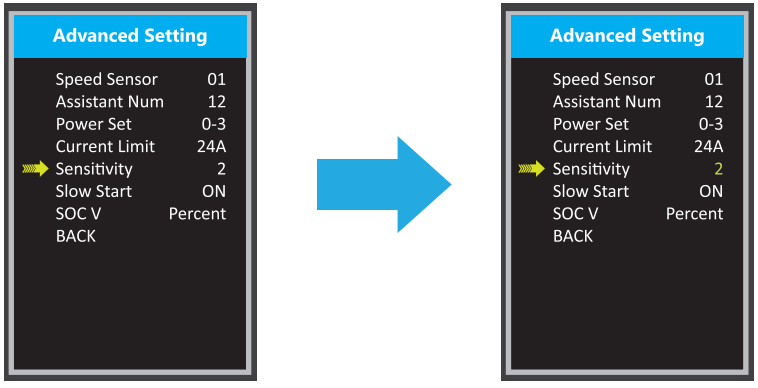
Current Limit represents controller over-current cut settings. The current value can be changed from 7.0A to 25.0A.
To change basic settings, press the "+" or the "-" button to increase or decrease the value of the current.
To store a changed setting, press the "i" button to confirm.



Current limit setting

◆ Sensitivity Setting

Sensitivity represents the sensitivity of power assist sensor. It means the motor assist should start after a certain number of magnets are passing the power assist sensor.
To change the value, press the "+" or the "-" button to choose the sensitivity value. The default value can be customized.
To store a changed setting, press the "i" button to confirm.

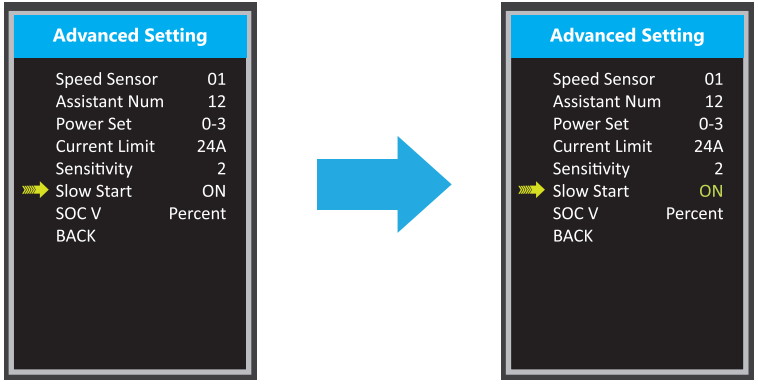


Sensitivity setting interface

- **Slow Start**

Slow start represents slow start-up settings. It is a time duration before you get power assistance when stepping into the pedals. The range is "0-3". "3" is the slowest. The default value is "1".

To change slow start up settings, press **+/-** button to choose the desired value. And press the **i** button to confirm and store a changed setting.

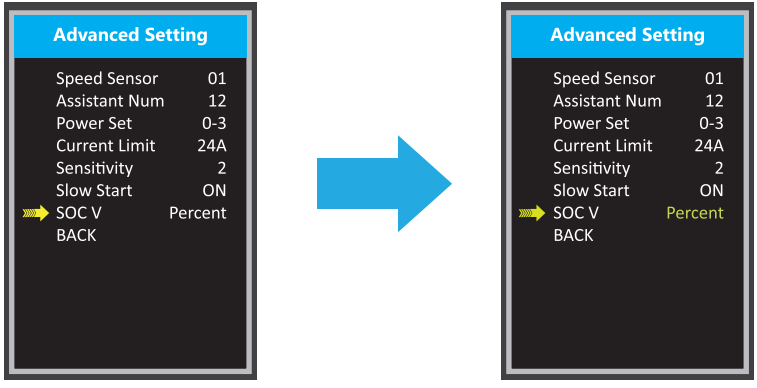


Slow start setting

◆ SOC View Setting

SOC V represents 2 display modes of battery SOC. One is by the percent value and the other is by the Voltage value. Press the " **+** " button or the " **-** " button to choose the desired display method. The default view method is by the percent.

To change slow start up settings, press **+/-** button to choose the desired value. And press the **i** button to confirm and store a changed setting.



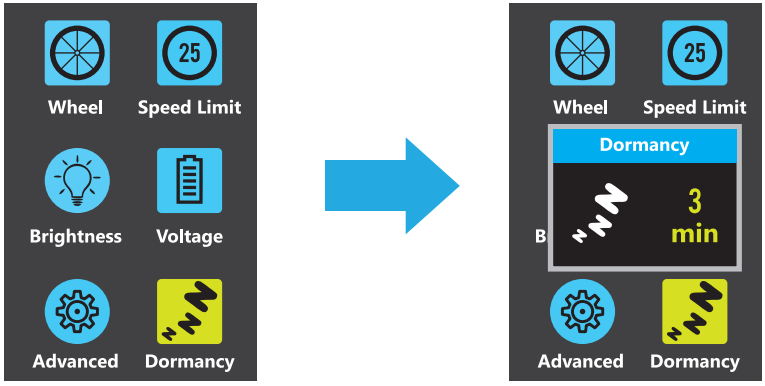
SOC view setting interface

◆ Auto-off Time Setting

Dormancy represents display auto-off time settings.

To change display automatic shutdown time, press Dormancy and press the " + " button or the " **-** " button to choose the desired duration. The default auto-off time is 5 minutes. The automatic shutdown time can be adjusted from 1 minute to 9 minutes or can be cancelled this function.

To store a changed setting, briefly press the "i" button.



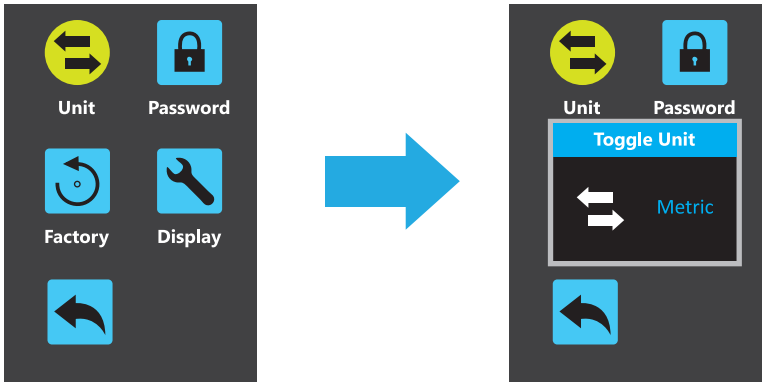
Auto-off time settings

- **Unit Km/Mile toggling**

Unit represents unit toggling settings.

To toggle the unit, press the " **+** " button or the " **-** " button to choose the desired unit and press the "i" button to confirm The default unit is "Metric (km)".

To store a changed setting, briefly press the "i" button to confirm.



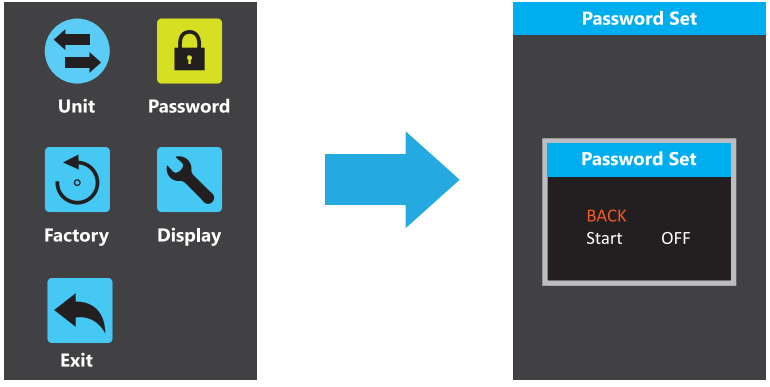
Mile and Kilometer Toggling Interface

◆ Password Setting

Password means display power-on password settings

To access the power-on password setting page, select '**Password**' in the menu and press "i" button to confirm.

PassWord Set means power-on password settings. Power-on password is a 4-digit code. The default password is '**1212**'.



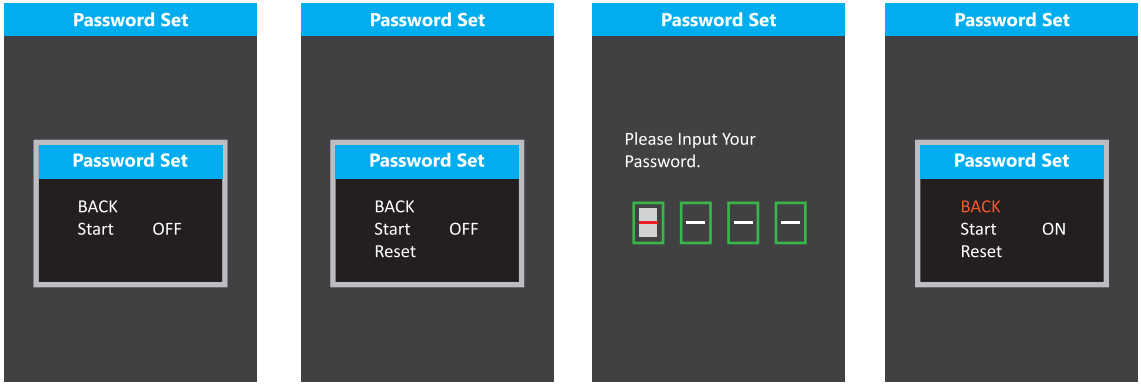
Password Setting Interface

1.Power-on Password Disable/Enable

To enable or disable **Start PassWord** settings, press the " **+** " or the " **-** " button to select ON or OFF. ON means enabling a power-on password while OFF means disabling a power-on password. The default value is OFF.

To enable a power-on password, choose ON and press "i" button to confirm and input the current password or default password'1212'. Press the " **+** " or the " **-** " button to change the number and press the "i" button to confirm digits one by one until the correct password(current password or default password'1212') is completed.

To disable the current password, choose OFF and press "i" button to confirm and input the current password correctly. The screen displays 'PassWord Canceled Successfully'. ***Then the display password is restoring the default code '1212'.**



Password Enable/Disable Settings Interface

2.Power-on Password Reset

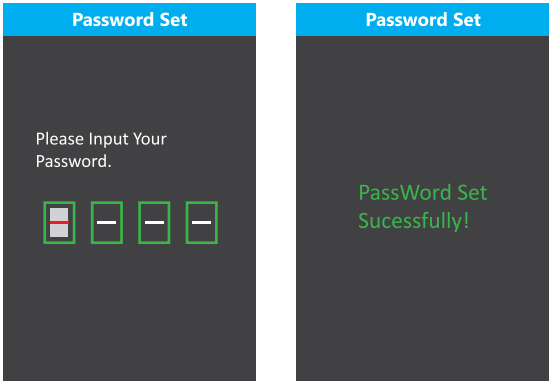
From the last interface above, press the " **+** " or the " **-** " button to select 'Reset PassWord' and press the "i" button to confirm to access power-on password reset interface. There are 3 pages for setting up a new password:

In the first page, please enter the current password or default password '1212' correctly.

Then it moves to the second page for inputting a new password. Press the " **+** " or the " **-** " button to increase or decrease the number and then press the "i" button to confirm digits one by one until a new 4-digit password is completed.

Finally, it comes to the third page and reenter the new password again for confirmation. The screen displays ' PassWord Reset Successfully'

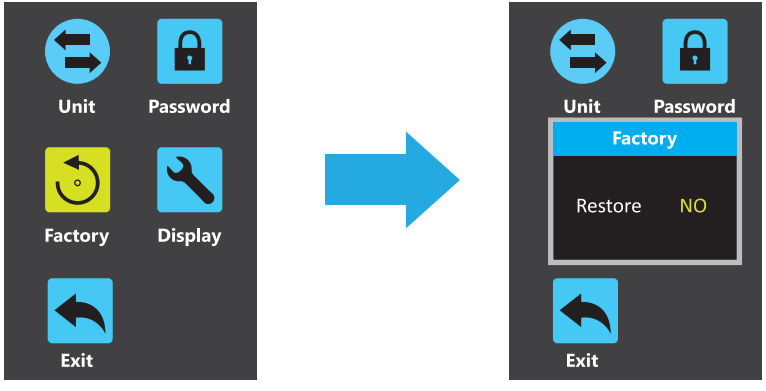
When switching on the E-bike system next time, please enter the new password to power on the display.



Password Change Interface

◆ Factory Setting

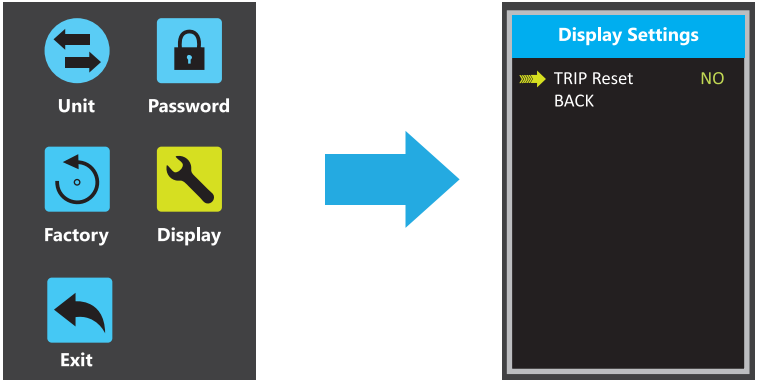
Factory means restoring to default settings .
To reset to defaults, press the " **+** " or the " **-** " button to choose YES or NO. The default is NO.
To store a changed setting, press the "i" button to confirm.



Factory settings

Display Setting

Display means display basic parameter settings, for example, trip reset etc..



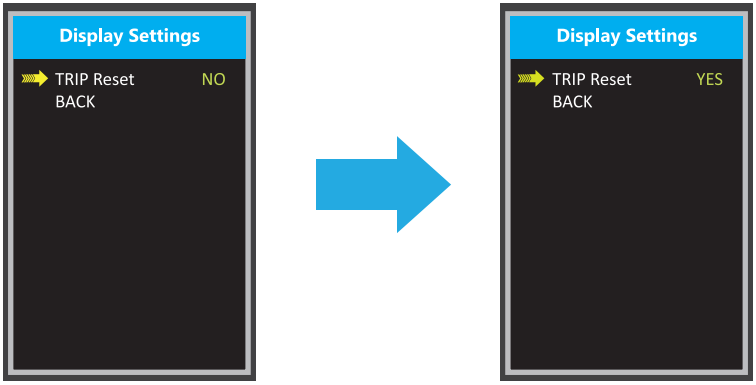
Display settings

Trip Distance Clearance

Trip Reset represents trip distance clearance setting.

To clear trip distance, press the " **+** " button or the " **-** " button to select Yes or No. Yes represents clearing a single ride distance. No represents not clearing a single ride distance.

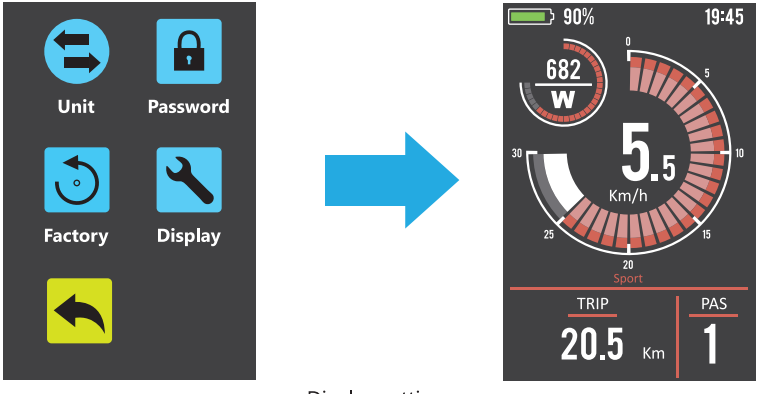
To store a changed setting, briefly press the "i" button to confirm.



Trip Distance Clearance Settings Interface

- **Exit Setting**

Exit means return back to home screen from setting pages.



Display settings

If there is no operations in one minute; the display will exit the settings state automatically.

Driving Range

The range of your Magicycle Bike is the distance the bike will travel on a single full charge of the onboard battery pack. The range values in this manual are estimates based on expected usage characteristics. Some of the factors which effect range include changes in elevation, speed, payload, and acceleration, number of starts and stops and ambient air temperatures. Tire pressure and terrain are also important variables to consider.

We suggest that you select a lower assistance level when you first get your Magicycle Bike to get to know your bike and travel routes. Once you become familiar with the range requirements of your travel routes, and the capabilities of your Magicycle Bike you can then adjust you riding characteristics if you so desire.

The following table provides general estimates and outlines various factors affecting range and their combined estimated effects on range.

This table is meant to help owners understand the factors that can increase of decrease range, but Magicycle Bike makes no claims to the range that individual users might obtain.

Best Practices for Extending Range and Battery Life

- Do not climb hills steeper than 15% in grade.
- Pedal to assist the motor when climbing hills and accelerating from a stop.
- Avoid sudden starts and stops.
- Accelerate slowly.

NOTICE: *It is recommended that users pay close attention and ride within the following limitations to ensure the hub motor does not overheat or become damaged from excessive loading.*

Parking Storage and Transport

Please follow these basic parking, storage and transport tips to ensure your bike is well cared for on and off the road.

- When pushing the vehicle manually , turn off the power to avoid accidental acceleration from the motor.
- It is recommended to park indoors.
- Switch the power off , and any lights to conserve battery. Remove the key from the bike and ensure the battery is locked to the frame or removed and brought with you for security.
- In public places , your Magicycle Bike must be parked in accordance with local rules and regulations.
- If you must park outdoors in rain, or wet conditions you should only leave your Magicycle Bike outside for a few hours and proceed to park the bike in a dry location afterwards to allow all the systems to dry out. Much like a regular bike, use in wet conditions mandates a more regular maintenance schedule to ensure your bike does not become rusty, corroded and to ensure all systems are always working safely.
- Do not park, store , or transport your Magicycle Bike on a rack that is not designed for the size and weight of the bike.
- Wide tires , as used on Magicycle Bike , cannot fit into all bike racks , please select an appropriate rack for the width of tires used on your bike.
- Locking up your bike is recommended to ensure your bike is secure and the chance of theft is reduced. Magicycle Bike makes no claims or recommendations on the proper lock hardware or procedures to secure your bike , but we do recommend you take the appropriate precautions to keep your Magicycle Bike safe from theft.
- When storing your bike or carrying your bike on a rack for transport , you can remove the battery pack to reduce the weight of the bike and make lifting and loading easier.

Carrying Load

MAXIMUM PAYLOAD FOR Magicycle Cruiser / Cruiser Step-thru
The total maximum weight limit of the Magicycle Cruiser / Cruiser Step-thru(125 Kilograms) includes the weight of the rider as well as clothing, riding gear, cargo, etc. The kickstand is not designed to be used for loading cargo. You MUST hold onto the bike whenever loading cargo. Do not assume the bike is stable and balanced when using the kickstand, always hold onto the bike when cargo is being loaded or in place.
Total maximum payload: 125 Kilograms.

Carrying Cargo

Carrying a cargo load involves additional risks which need to be paid close attention to, users should practice riding on a flat and open area with light cargo before attempting to carry heavier loads. You must become accustomed to the braking, steering, and operational adjustments required to safely operate the Magicycle Cruiser / Cruiser Step-thru with cargo. Braking, acceleration, and balancing are all significantly affected by the addition of cargo loaded on the Magicycle Cruiser / Cruiser Step-thru.

The following bulleted list provides important tips for the safe operation of the Magicycle Cruiser / Cruiser Step-thru when used for carrying cargo.

- Plan your route accordingly as your hill climbing ability, steering and braking are all impacted when cargo is loaded on the Magicycle Cruiser / Cruiser Step-thru. Hills that are normally easy to climb and descend without cargo can become challenging and dangerous once cargo is loaded.
- Cargo should be loaded as low as possible to lower the center of gravity and improve stability, but ensure that cargo does not interfere with any moving components or the ground.
- Ensure your loads are properly secured and periodically check that nothing loosens.
- Get a feel for the cargo load in a flat and open area before riding on roads.

Do not use the front brake by itself, always apply the rear brake first followed by the front brake and be sure to use both brakes for all braking operations. Front fork failure or loss of control are plausible when the front brake is operated independently for slowing at high speed with cargo loads.

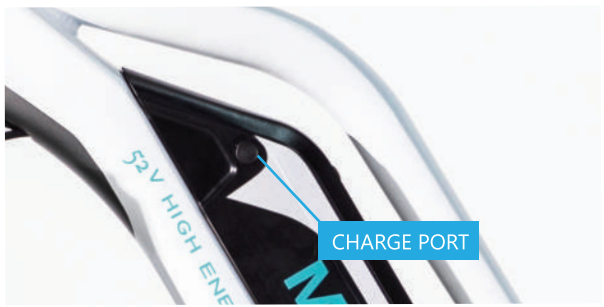
The kickstand is not designed to be used for loading cargo. You MUST hold onto the bike whenever loading cargo. Do not assume the bike is stable and balanced when using the kickstand, always hold onto the bike when cargo is being loaded or in place.

Charging Procedure

Follow these steps for charging your Magicycle Bike:

1. Turn the battery pack off using the key switch.
2. Remove the rubber cover on the charging socket on the opposite side of the battery switch.
3 .With the battery on or off the bike, place the charger in a flat, secure place, and connect the DC output plug from the charger (round barrel connector) to the charging port on the side of the battery pack.
4. Then connect the input plug (110/220-volt plug) to the power outlet, charging should initiate and will be indicated by the LED charge status light on the charger turning red.
5. After charging, indicated by the charging indicator light turning green, unplug the charger from the wall outlet first and proceed to remove the charger output plug from the bike charging port.

Cruiser



Cruiser Step-thru

Always charge your battery in temperatures between 10 and 26 degrees Celsius and ensure the battery and charger are not damaged before initiating charge. If you notice anything unusual while charging, please discontinue charging and use of the bike and contact Magicycle Bike for help.

Basic Battery Charging Tips

- The battery should be recharged after each use . There is no memory effect , so you can charge the battery after short rides without damage.
- The battery can be recharged on or off the bike.
- Remove the battery by turning the key and then pulling the battery forward and up until the battery detaches from the mating receptacles.
- The charger will automatically stop charging when the battery pack is full.
- Always charge in dry locations and indoors away from direct sunlight , dirt or debris.
- Do not cover up the charger when plugged in or charging , it air cools and needs to be left in an open space. Do not charge with the charger in the inverted position which can inhibit cooling and reduce the charger's life.
- Check the charger cables, charger and battery for damage before beginning each charge.
- The light on the charger will turn green when charge is complete and stay red while the battery charges.
- Charging normally takes 3~5 hours, however it can take longer when you first receive the bike since the battery pack is balancing.

When the Battery Is Removed

- Do not touch the " + " and " - " terminal contacts on the bottom of the battery when the battery is removed from the bike.
- Be careful not to drop or damage the battery pack when loose from the bike.

When Installing the Battery onto the Bike

- Do not force the battery onto the receptacle, slowly align and push battery down into the receptacle.
- Ensure the key is in the locked position before riding and check that the battery has been properly secured to the bike before each use by pulling upwards and testing the security of the pack.

Charging Time

When the input and output plugs of the charger are connected properly, and the battery is not fully charged, the red charging indicator light should illuminate, showing that the battery is charging. The time that the battery takes to fully charge the battery is dependent on various factors including distance traveled, riding characteristics, terrain, payload, and battery age.

NOTICE: *The battery pack can take longer to charge when fully depleted and when the battery is new. As your battery ages you might also experience increased charging times, but this is only expected after 3-5 years of regular use. If your battery does not seem to be charging normally, and taking longer to charge than expected, please discontinue charging and contact Magicycle Bike immediately.*

Charger Safety Information

- Keep charger in a safe place away from children.
- Fully charge the battery before each use to extend the life of the battery and help to reduce the chance of over-discharging the battery pack.
- Do not charge the battery with any other chargers than what was originally supplied with your Magicycle Bike or a charger purchased directly from Magicycle Bike for use with your specific bike serial number , as approved by Magicycle Bike.
- The charger works on 110/220V 50/60Hz standard home AC power outlets , do not open the charger to select voltage input, the charger automatically detects and accounts for incoming voltage.
- Avoid charger contact with liquids, dirt/debris or metal objects.
- Store the charger in a location where it cannot suffer damage from falls/impact.
- The charger should only be used indoors in a dry ventilated area.
- If you notice a strange smell or the charger or battery are overheating , please stop charging immediately and contact Magicycle Bike.
- Do not yank or pull on the cables of the charger. When unplugging carefully remove both the AC and DC cables by way of pulling on the plastic plugs, not pulling on the cables.

Please take special care in charging of your Magicycle Bike in accordance with the above procedures and safety information. Failure to follow proper charging procedures can result in damage to your Magicycle Bike, charger, personal property and/or serious injury or death.

Bicycle Care

To ensure safe riding conditions you must ensure your bike is properly maintained. You should follow these basic guidelines and see your certified bicycle mechanic at regular intervals to ensure your bike is safe for use.

1. Properly maintain batteries by keeping them fully charged when not in use.
2. Never immerse the bike or any components in water as the electrical system may be damaged.
3. Periodically check wiring and connectors to ensure there is no damage and the connectors are secure.
4. To clean, wipe the frame with a damp cloth soaked in a mild non-corrosive detergent mixture. Dry with a cloth.
5. Store under shelter; avoid leaving it in the rain or exposed to corrosive materials. If exposed to rain, dry your bicycle afterwards and apply anti-rust treatment to chain and other unpainted steel surfaces.
6. Riding on the beach or in coastal areas exposes your bicycle to salt which is very corrosive. Wash your bicycle frequently and wipe or spray all unpainted parts with anti-rust treatment. Damage from corrosion is not covered under warranty so special care should be given to extend the life of your bike when used in coastal areas or areas with salty air or water.
7. If the hub and bottom bracket bearings have been submerged in water, they should be taken out and re-greased. This will prevent accelerated bearing deterioration.
8. If the paint has become scratched or chipped in the metal, use touch up paint to prevent rust. Clear nail polish can also be used as a preventative measure.
9. Regularly clean and lubricate all moving parts, tighten components and adjust as required.

Your cables, spokes and chain will stretch after an initial break in period of 80-160 km, while bolted connections can loosen. Therefore, always have a certified bicycle mechanic perform a tune-up on your Magicycle Cruiser / Cruiser Step-thru after your initial break-in period of 80- 160 km (depending on total weight, riding characteristics and terrain). Regular inspections and tune-ups are particularly important for ensuring that your bicycle remains safe and problem-free.

Basic Troubleshooting

Symptoms	Possible Causes	Most Common Solutions
It doesn't work	1. Insufficient battery power 2. Faulty connections 3. Battery not fully seated in tray 4. Improper turn on sequence 5. Brakes are applied	1. Charge the battery pack 2. Clean and repair connectors 3. Install battery correctly 4. Turn on bike with proper sequence 5. Disengage brakes
Irregular acceleration and/or reduced top speed	1. Insufficient battery power 2. Loose or damaged throttle	1. Charge or replace battery 2. Replace throttle
When powered on the motor does not respond	1. Loose wiring 2. Loose or damaged throttle 3. Loose or damaged motor plug wire 4. Damaged motor	1. Repair and or reconnect 2. Tighten or replace 3. Secure or replace 4. Repair or replace
Reduced range	1. Low tire pressure 2. Low or faulty battery 3. Driving with too many hills, headwind, braking, and/or excessive load 4. Battery discharged for long period of time without regular charges, aged or damaged 5. Brakes rubbing	1. Adjust tire pressure 2. Check connections or charge battery 3. Assist with pedals or adjust route 4. Replace the battery 5. Check the brakes
The battery won't charge	1. Charger not well connected 2. Charger damaged 3. Battery damaged 4. Wiring damaged	1. Adjust the connections 2. Replace 3. Replace 4. Repair or replace
Wheel or motor makes strange noises	1. Damaged motor bearings 2. Damaged wheel spokes or rim 3. Damaged motor wiring	1. Replace 2. Repair or replace 3. Repair or replace motor

As a parent or guardian, you are responsible for the activities and safety of your child.
The Magicycle Cruiser / Cruiser Step-thru is not designed for use by children.

The following safety notes provide additional information on the safe operation of your Magicycle Bike and should be closely reviewed. Failure to review these notes can lead to serious injury or death.

- All user must read and understand this manual before first use. Additional manuals for components used on your bicyle may also provided and should be read before use in addition to this manual.
- Ensure that you comprehend all instruction and safety notes/warnings.
- Ensure the bike fits you properly before first use. You may lose control or fall if your bike is too big or too small.
- Always wear an approved bicycle htlmet whenever using this product and ensure that all helmet manufacturer are used for fit and care of your helmet. Failure to wear a helmet when riding may result in serious injury or death.
- Ensure correct tightening and setup is performed on your bicycle before first and checked regularly.
  It is your responsibility to familiarize yourself with the laws and requirements of operation of this product in the area(s) where you ride.
- Ensure handle bar grips are not damaged and properly installed. Loose or damaged grips can cause you to lose control and fall.
- Do not use this product with standard bicycle trailers, stands or bicycle racks . Contact Magicycle Bike to check if your equipment will work with the bicycle.
- Off-road riding requires close attention and specific skills and presents variable conditions and hazards which accompany the conditions. Wear appropriate safety gear and do not ride alone in remote areas. Check local rules an regulations if off-road riding is allowed.
- Engaging in extreme riding is extremely dangerous and should be avoided. Although many articles/advertisements/catalogues depict extreme riding this is not recommended nor permitted, and you can be seriously injured or killed if you perform extreme riding.
- Bicycles and bicycle parts have strength and integrity limitations and extreme riding should not be performed or you risk damaging the components or becoming seriously injured or killed.
- Failure to confirm proper installation, compatibility , proper operation or maintenance of any component or accessory can result in serious injury or death.

- After any incident, you must consider your bike unsafe to ride until you consult with a certified bicycle mechanic for a comprehensive inspection.
- Failure to properly charge, store or use your battery will void the warranty and may cause a hazardous situation.
- Extreme care should be taken when using the pedal assistance sensor and throttle on this product. Ensure you understand and are prepared for the power assistance to engage as soon as pedaling is underway.
- You should check the operation of the brake inhibitor switches before each ride. The brake system is equipped with an inhibitor which shuts down the power to the electric motor whenever the brakes are engaged. Check proper operation of brake switches before riding.
- User must understand the operation of the twist throttle and pedal assistance sensors before using, and take ample care in their usage inrespect to traveling at speeds appropriate for usage area and user experience level. Always use the lowest assist level until you are comfortable with the bike and feel confident in controlling the power.
- Any aftermarket changes to your Magicycle Bike not expressly approved by Magicycle Bike could void the warranty and create an unsafe riding experence.
- Because electric bicycles are heavier and faster than normal bicycles, they require extra caution and care while riding.
- Take extra care while riding in wet conditions. Feet or hands can slip in wet conditions and lead to death or serious injury from a fall.
- Do not remove front or rear reflectors , pedal reflectors or bell.

Warranty Info

Every bike is covered under a manufacturer's two-year all-inclusive warranty for the original owner against all manufacturing defects. Magicycle Bike warrants this product, including all individual components against defects in material or workmanship as follows:

Magicycle Bike LIMITED 2 YEAR WARRANTY

Magicycle Bike bicycle components including frame, forks, stem, handlebar, headset, seat post, saddle, brakes, lights, bottom bracket, crank set, pedals, rims, spokes, wheel hub, freewheel, cassette, derailleur, shifter, motor, throttle, controller, wiring harness, LCD display, kickstand, reflectors and hardware are warranted to be free from manufacture defects in materials and/or workmanship for a 2-year period from the date of original purchase.

Wear and tear is not covered under warranty. Magicycle Bike lithium ion batteries are warranted to be free from manufacturing defects in materials and/or workmanship for a 2-year period from the date of original purchase. The battery warranty does not include damage from power surges, use of improper charger, improper maintenance or other such misuse, normal wear or water damage.

The Following are Also Excluded from the Warranty:

- Liability for material defects does not cover normal wear which occurs from the manufacturers intended use of the product. Components such as the battery pack, motor system, braking system, drivetrain system, saddle, grips and pedals are all subject to intended use-related wear and are not covered under the warranty from normal wear.
- Damage arising from the use of the bike in a competition or other applications outside of normal intended use.
- Damage arising by improper tools or inadequate maintenance performed on the bike.
- Damage resulting from adding non-standard equipment, parts or technical modifications.

Additional Warranty Terms

This warranty does not cover any damage or defects resulting from failure to follow instructions in the owner's manual, acts of God, accident, misuse, neglect, abuse, commercial use, alterations, modification, improper assembly, wear and tear, installation of parts or accessories not originally intended or compatible with the bicycle as sold, operator error, water damage, extreme riding, stunt riding, or improper follow-up maintenance. This warranty does not include consumables or normal wear and tear parts (tires, tubes, brake pads, cables and housing, grips). Magicycle Bike will not be liable and/or responsible for any damage, failure or loss caused by any unauthorized service or use of unauthorized parts. In no event shall Magicycle Bike be responsible for any direct, indirect or consequential damages, including without limitation, damages for personal injury, property damage, or economic losses, whether based on contract, warranty, negligence, or product liability in connection with their products. All claims to this warranty must be made through Magicycle Bike. Proof of purchase may be required with any warranty request.

Additional Information on Wear

Components of the Magicycle Cruiser / Cruiser Step-thru are subject to higher wear when compared to bicycles without power assistance. This is because the Magicycle Cruiser / Cruiser Step-thru can travel at higher average speeds than regular cycles and has a greater weight. Higher wear is not a defect in the product and is not subject to warranty. Typical components affected are the tires, brake pads, suspension forks, spokes/wheels and battery pack.

When the useful life of a component is surpassed it can cause unexpected loss of function. This can result in serious injuries or even death. Therefore, pay attention to wear characteristics such as cracks, scratches or changes in the color or operation of components which could indicate useful life has been exceeded. Worn components should be immediately replaced.

Thanks for Riding Magicycle Bike!

www.magicyclebike.com