

Mobility Scooter Manual

This manual applies to the following mobility scooter models: BBR-Q40-01, BBR-Q40-02, BBR-Q40-03, BBR-Q40-04, BBR-Q40-05, and BBR-Q40-06.

Contents

1. Preface	4
2. Before your first use	4
2.1 Open-package inspection	4
2.2 Explanation of symbols	4
2.3 Safety instructions.....	7
2.4 Indications for Use	9
2.5 Electromagnetic Interference (EMI)	9
2.6 Transporting the Scooter	14
3. Product Description.....	14
3.1 Product feature.....	14
3.2 Components	15
3.3 Technical specifications (Kilometer system)	16
3.4 Technical specifications (Mile system)	19
3.5 Following standards	21
3.6 Product picture with specification.....	22
4. Installation and adjustment	23
4.1 Unfold and fold the scooter	23
4.2 Removing and installing the battery.....	35
4.3 Adjust the tiller Assembly	36
4.4 How to assemble the storage basket and armrest	39
5. Use	41
5.1 Precautions before operation	41
5.2 Understand the operation interface.....	41
5.3 Tires	46
5.4 Anti-tip wheel.....	46
5.5 Armrest	47

5.6 Transfer in or out the scooter.....	47
6. Driving.....	47
6.1 Start and drive	47
6.2 First Time Driving.....	48
6.3 Driving on Slopes	50
6.4 Driving Over Obstacles.....	50
6.5 Driving over soft surface.....	51
6.6 Transport.....	51
7. Voice Prompts	51
8. How to Use the APP	53
8.1 APP Registration.....	53
8.2 Pair and Unpair the Device	54
8.3 Home Page	55
8.4 Control Panel	64
9. Cybersecurity	65
10. Wireless technology and related settings	65
10.1 Wireless functions description	65
10.2 Operating characteristics of Bluetooth wireless technology	65
10.3 Wireless security measures.....	65
10.4 Information about any wireless coexistence issues and mitigations	65
10.5 RF wireless communications information	65
10.6 Wireless functions description	66
11. Lithium Battery and Charging	67
11.1 Basic information.....	67
11.2 Lithium Battery	67
11.3 Battery Charging.....	68
11.4 Charger	69
12. Maintenance	70

12.1 Cleaning the Scooter	70
12.2 Disinfecting the Scooter	71
12.3 Instructions for Reuse	71
12.4 Inspection, Service, and Maintenance	72
12.5 Reuse After Inactivity	73
12.6 End of Use	73
13. Transportation and storage	73
14. Common faults and Treatment	73
15. Warranty	74
15.1 Scope, Coverage, and Duration of Warranty	74
15.2 Conditions Exempt from Warrant Coverage	75
16. Disclaims	76
17. MedWatch	77
18. Contact Information	78

1. Preface

Before using the Robooter Q40 mobility scooter, please take the time to thoroughly read this manual and keep it for future reference.

First, we would like to express our gratitude for choosing one of our scooters. This instruction manual is designed to help you familiarize yourself with the operation of your scooter. The following usage and care guidelines are essential for the proper use of your scooter. While this manual reflects the most recent developments in the product, please note that it may be updated in the future as the product continues to improve.

Your safety is our top priority. We strongly encourage you to read this manual carefully before operating your scooter, as it is crucial for safe operation. The manufacturer offers warranty service when the scooter is used under normal conditions and maintained according to the instructions provided. However, the manufacturer cannot be held responsible for any damage resulting from improper service or failure to follow the manual's instructions.

Due to ongoing design improvements, some illustrations and images in this manual may differ from the scooter you have purchased. The manufacturer reserves the right to enhance the products and make changes.

We hope this scooter adds convenience to your life. Additionally, we welcome any feedback you may have regarding the quality and after-sales service of our scooters.



MR Unsafe items should not enter the MRI scanner room. Patients with MR Unsafe devices should not be scanned.

2. Before your first use

2.1 Open-package inspection

Please inspect the main frame and accessories to ensure nothing is missing or damaged. If you notice any issues or missing parts, please contact your dealer or the manufacturer promptly.

- Scooter*1pc
- Owner's manual *1pc, product qualified card*1pc, warranty card*1pc, NFC card *2 (BBR-Q40-03 and BBR-Q40-04 doesn't equipped with NFC card)
- Power adapter*1
- Battery *1

2.2 Explanation of symbols

 Warning	Indicates that personal injury may occur when misused
 Caution	Indicates that personal injury or item damage may occur when misused
 Mandatory	Indicates it must be obeyed
 Prohibit	Indicates it is not allowed
 	Indicates to open and close the brake
	Warning: Do not Pinch hands / fingers
	Do Not Step on the side bars on the scooter
	<p>Push to the position of WALK to engage the freewheel mode so you can push the scooter freely</p> <p>Push to the position of DRIVE to engage the motorized mode</p>
	Battery has been tested and complies with United Nations Transport Regulations standard UN38.3. Check with airline prior to travel.
	<p>Manufacturer</p> <p>Indicates manufacturer the medical device.</p>
	<p>Date of manufacture</p> <p>Indicates the date when the medical device was manufactured</p>
	<p>Model number</p> <p>Indicates the model number or type number of a product</p>

SN	Serial number Indicates the manufacturer's serial number so that a specific medical device can be identified
LOT	Batch code Indicates the manufacturer's batch code so that the batch or lot can be identified.
MD	Medical device Indicates the item is a medical device
	Use-by date Indicates the date after which the medical device is not to be used
	Indicates separate collection for waste of electrical and electronic equipment (WEEE)
	Maximum number of identical transport packages/items which may be stacked on the bottom package, where "n" is the limiting number.
	This is the correct upright position of the distribution packages for transport and/or storage
	Distribution packages shall be kept away from rain and be kept in dry conditions
	Contents of the distribution packages are fragile, therefore it shall be handled with care.
IPXX	The first X represents the lack of testing for solid objects, while the second X indicates the waterproof level of the device.
	MR Unsafe items should not enter the MRI scanner room. Patients with MR Unsafe devices should not be scanned.

2.3 Safety instructions

These listed actions or intentions below are prohibited.

Prohibit: Never expose the scooter's electrical system to moisture, such as rain, snow, or fog. Washing the scooter can damage the electrical components. If the scooter does get wet, ensure it is completely dry and functioning properly before using it again.

Prohibit: Avoid operating the scooter in adverse weather conditions, including rain, snow, fog, strong winds, or extreme temperatures below -10°C or over 40°C . Such conditions can damage the electrical system and may lead to control failure.

Warning: Refrain from driving the scooter in deserts, on beaches, or on roads that are muddy, flooded, frozen, gravelly, or uneven. These conditions can negatively impact the scooter's performance and increase the risk of accidents and injuries.

Prohibit: Modifying the scooter without the approval of a qualified technician is strictly prohibited. The manufacturer assumes no responsibility for accidents resulting from unauthorized modifications.

Prohibit: Do not lean out of the scooter while driving, especially on uneven surfaces, as it can compromise stability.

Prohibit: Never remove the anti-tip wheels.

Prohibit: The scooter is not designed for carrying or towing goods.

Warning: Always sit in the scooter seat and hold both handles firmly with both hands while operating.

Warning: To prevent rollovers, avoid zigzag driving and making sharp turns at high speeds.

Prohibit: Do not use mobile phones or other wireless communication devices while driving. Park the scooter safely and turn off the power before using such devices.

Warning: Drive slowly when exiting doors or elevators. Never use the scooter on escalators.

Caution: When ascending or descending slopes, drive straight at a low speed, paying close attention to the gradient. Do not attempt to cross slopes that exceed the scooter's recommended incline.

Prohibit: Do not attempt to drive over obstacles or steps higher than 20mm(0.8") . If you encounter such obstacles, release the brakes immediately to avoid getting stuck.

Caution: Always obey traffic rules when crossing roads. At railway crossings, stop, observe, and then proceed slowly at a right angle to the tracks to avoid getting caught in the track groove.

Prohibit: Do not repeatedly switch the scooter on and off or frequently start and stop it.

Prohibit: Do not lend the scooter to anyone unfamiliar with its operation.

Caution: Keep minors away from the scooter's switches and throttle lever.

Prohibit: Overloading is strictly prohibited. The max weight capacity is 136KG, and the scooter is designed for one passenger only.

Prohibit: Do not attempt to disassemble the battery, motor, or controller yourself. For replacements, purchase original parts from an authorized dealer. Scooters modified with non-original parts are not covered under warranty.

Please pay strong attention on the cautions below.

Caution: Please be careful when driving and parking on sloped roads.

Caution: Take extra care around vehicles and pedestrians when driving at night or in rainy conditions.

Caution: For your safety and the safety of others, do not allow anyone who cannot operate the scooter to use it. This includes minors, individuals with mental disabilities, pregnant women, and anyone else who may not be suitable to operate an electric scooter.

Extra Remind to the charging and batteries

Unauthorized battery chargers are not allowed to be used, it may cause fire hazards;

When operating batteries outside their specified operating temperature range, be very careful and notify customer service when there are any abnormalities;

Please be careful when installing or disassembling the battery, turn this device off before disassembling;

Please be careful when transporting batteries. If there are relevant regulations, please strictly follow them during transportation.

You MUST follow below requests when using the mobility scooter

This scooter is intended as a means of transportation for the elderly and individuals with limited mobility. Although a driver's license is not required, it is essential to follow pedestrian traffic rules.

For safety reasons, do not operate the scooter while under the influence of alcohol, when fatigued, or if you feel confused.

If you are taking any medications, consult your doctor to determine whether they might affect your ability to safely operate the scooter.

Before each use, inspect the scooter to ensure that the brakes are responsive, the overall performance is normal, the folding and unfolding mechanisms are functioning properly, and the battery is sufficiently charged.

Before using the scooter for the first time, familiarize yourself with its features and controls. Practice key maneuvers such as moving forward, accelerating, decelerating, stopping, reversing, going uphill and downhill, and turning in a safe, open area with smooth ground conditions. Only embark on a journey after you are comfortable with the scooter's operation.

For your first trip, it is advisable to have someone familiar with the scooter accompany you to ensure your safety.

Always remain alert and reduce your speed on uneven or soft surfaces, such as grass, as well as when navigating corners, busy streets, shopping centers, parks, or other crowded areas.

When reversing, be aware of your surroundings, including road conditions and nearby people, and move slowly.

Please carefully read this manual before using the scooter and check that all parts are in good condition to ensure your safety.

2.4 Indications for Use

It is motor driven, indoor and outdoor transportation vehicle with the intended use to provide mobility to a disabled or elderly person limited to a seated position.

It is designed to carry only one person, and the user's weight must not exceed the maximum specified capacity.

The scooter is intended for use by adults only and is not suitable for individuals with mental disabilities, pregnant women, or anyone who may be unable to operate it safely..

Limitations for use may include conditions such as:

- Hemiplegia or paraplegia
- Mental health disorders
- Visual impairments
- Any other conditions cannot drive such a device

2.5 Electromagnetic Interference (EMI)

This section provides guidelines for the daily use of the mobility scooter, intended for both users and professional dealers. It is important to be aware that sources of

electromagnetic waves, such as cell phones, can cause interference. Similarly, the scooter's electronics might also affect other electronic devices



WARNING! Be aware that cell phones, two-way radios, laptops, electricity generators or high power sources, and other types of radio transmitters may cause unintended movement of your electrically-powered mobility vehicle due to **EMI**. Do not turn ON hand-held personal communication devices, such as citizens band (CB) radios and cellular phones, while the scooter is turned on. Be aware of nearby transmitters, such as radio or TV stations, and avoid coming into close proximity to them.



WARNING! The addition of accessories or components to the electrically-powered mobility vehicle can increase the susceptibility of the vehicle to **EMI**. Do not modify your scooter in any way not authorized by the scooter manufacturer.



WARNING! The electrically-powered mobility vehicle itself can disturb the performance of other electrical devices located nearby, such as alarm systems.

To minimize the impact of electromagnetic interference, please follow these warnings:

- **WARNING:** The scooter may interfere with the operation of nearby devices that emit electromagnetic fields.
- **WARNING:** Electromagnetic fields, such as those from electricity generators or high-power sources, can affect the scooter's driving performance.
- **WARNING:** Do not use portable TVs or radios near your scooter while it is powered on.
- **WARNING:** Avoid using transmitter-receiver devices or cell phones in close proximity to your scooter when it is turned on.
- **WARNING:** Be cautious of transmitter masts in the area and avoid operating the scooter near them.
- **WARNING:** If the scooter exhibits unintended movements or the brakes disengage, switch off the scooter as soon as it is safe.

Electromagnetic fields can negatively impact the scooter's electronic systems, potentially causing:

- Disengagement of the motor brake
- Uncontrolled behavior of the scooter
- Unintentional steering movements

In extreme cases, strong or prolonged electromagnetic interference could cause the scooter's electronic systems to fail entirely or suffer permanent damage.

Potential sources of electromagnetic radiation include:

- Portable transmitter-receiver installations (with antennas directly mounted on the transmitting unit)
- Transmitting and receiving devices
- Portable TVs, radios, and navigation devices
- Other personal transmitting equipment
- Medium-range mobile transmitting and receiving devices (such as car antennas)

mounted on the vehicle exterior)

- Fixed transmitting and receiving systems
- Fixed radio, TV, and navigation systems

Other household devices like CD players, laptops, cordless phones, AM/FM radios, electric shavers, and hair dryers are not known to interfere, provided they are in good working condition and properly wired. Always follow the operating instructions for these devices to ensure your scooter operates without issues.

To further prevent electromagnetic interference:

1. Do not use handheld transceivers (e.g., CB radios) or turn on personal communication devices like cell phones while the scooter is powered on.
2. Be aware of nearby radio or TV transmitters and try to avoid getting too close to them.
3. If the scooter starts to move unintentionally or the brakes release, turn off the scooter as soon as it is safe to do so.
4. Be cautious when adding accessories or modifying the scooter, as these changes might increase its susceptibility to EMI. (Note: It's challenging to assess how such changes might affect the scooter's overall immunity to electromagnetic interference.)

Excerpts from EMC-related guidelines and statements in the manufacturer's accompanying documents

EMI Compliance Table (Table 1)

Phenomenon	Compliance	Electromagnetic environment
RF emissions	CISPR 11 Group 1, Class B	Home healthcare environment
Harmonic distortion	IEC61000-3-2 Class A1	Home healthcare environment
Voltage fluctuations and flicker	EC61000-3-3 Compliance	Home healthcare environment

Table 1 - Emission

EMS Compliance Table (Table2-5)

Phenomenon	Basic EMC standard	Immunity test levels	
		Home	healthcare

		environment
Electrostatic Discharge	IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Radiated RF EM field	IEC61000-4-3	20 V/m 26 MHz-2.5 GHz 80 % AM at 1 kHz 10 V/m 80 MHz-2.7 GHz 80 % AM at 1 kHz
Proximity fields From RD Wireless communications equipment	IEC61000-4-3	Refer to table 3
Rated power Frequency Magnetic fields	IEC 61000-4-8	30 A/m 50 Hz or 60 Hz

Table 2 - Enclosure Port

Test Frequency(MHz)	Band(MHz)	Immunity test levels
		Home healthcare environment
385	380-390	Pulse modulation 18 Hz, 27 V/m
450	430-470	FM, ±5 kHz deviation 18 Hz sine, 28 V/m
710	704-787	Pulse modulation 217 Hz sine, 28V /m
745		
780		
810	800-960	Pulse modulation 18 Hz sine, 28 V/m
870		

930		
1720	1700-1990	Pulse modulation 217 Hz sine, 28 V/m
1845		
1970		
5785		

Table 3 - Proximity fields from RF wireless communications equipment

	Standard	Home healthcare environment
Electrical fast Transients/burst	IEC 61000-4-4	± 2 KV 100 kHz repetition frequency
Surges Line-to-line	IEC 61000-4-5	±0.5 kV, ±1 kV
Conducted Disturbances Induced by RF fields	IEC 61000-4-6	3 V, 0.15 MHz-80 MHz 6 V in ISM bands and amateur radio bands Between 0.15 MHz and 80 MHz 80 %AM at 1kHz
Voltage dips	IEC 61000-4-11	0 %U _T ; 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0%U _T ; 1 cycle and 70 % U _T ; 25/30 cycles Single phase: at 0°
Voltage interruptions	IEC 61000-4-11	0% U _T ; 25/30 cycles U _T =rated input Voltage

Table 4 -Input a.c. power port

Phenomenon	Basic EMC standard	Immunity test levels
		Home healthcare environment
Conducted disturbances induced by RF fields	IEC61000-4-6	3 V.0.15 MHz-80 MHz6V in ISM bands and amateur radiobands between 0.15MHz and 80 MHz 80 %AM at 1 kHz

Table 5 - Signal input/output parts port

Cable	Max. cable length, Shielded/unshielded		Number	Cable classification
AC Power Line	1.8 M	Unshielded	1 Set	AC Power
DC Power Line(USB Cable)	0.95 M	Unshielded	1 Set	DC Power

Table 6 - Cable information

Avoid using the device in the scene under exposure of Magnetic Resonance Imaging (MRI), diathermy Wireless power transfer (WPT).

2.6 Transporting the Scooter

To transport the scooter effectively, ensure that the brake handle is disengaged, making it ready for transport.

If needed, you can transport the scooter by following these steps:

1. Turn off the scooter.
2. Fold the scooter.
3. Lift the scooter for transport.

3. Product Description

3.1 Product feature

3.1.1 The Robooter Q40 is designed to be a light and compact, smart mobility

scooter. The tiller can be adjusted back and forth according to human comfort. The scooter can be manually folded and unfolded including the frames and seat just in one step. It can be put into the trunk of a small, compact car. The battery is removable .

3.1.2 The waterproof level of Robooter Q40 is IPX5, the degree of protection against electric shock is Class B

3.1.3 The scooter can be unlocked and locked by NFC technology, which is an easy way to activate the scooter. The BBR-Q40-03 and BBR-Q40-04 doesn't equipped with NFC card.

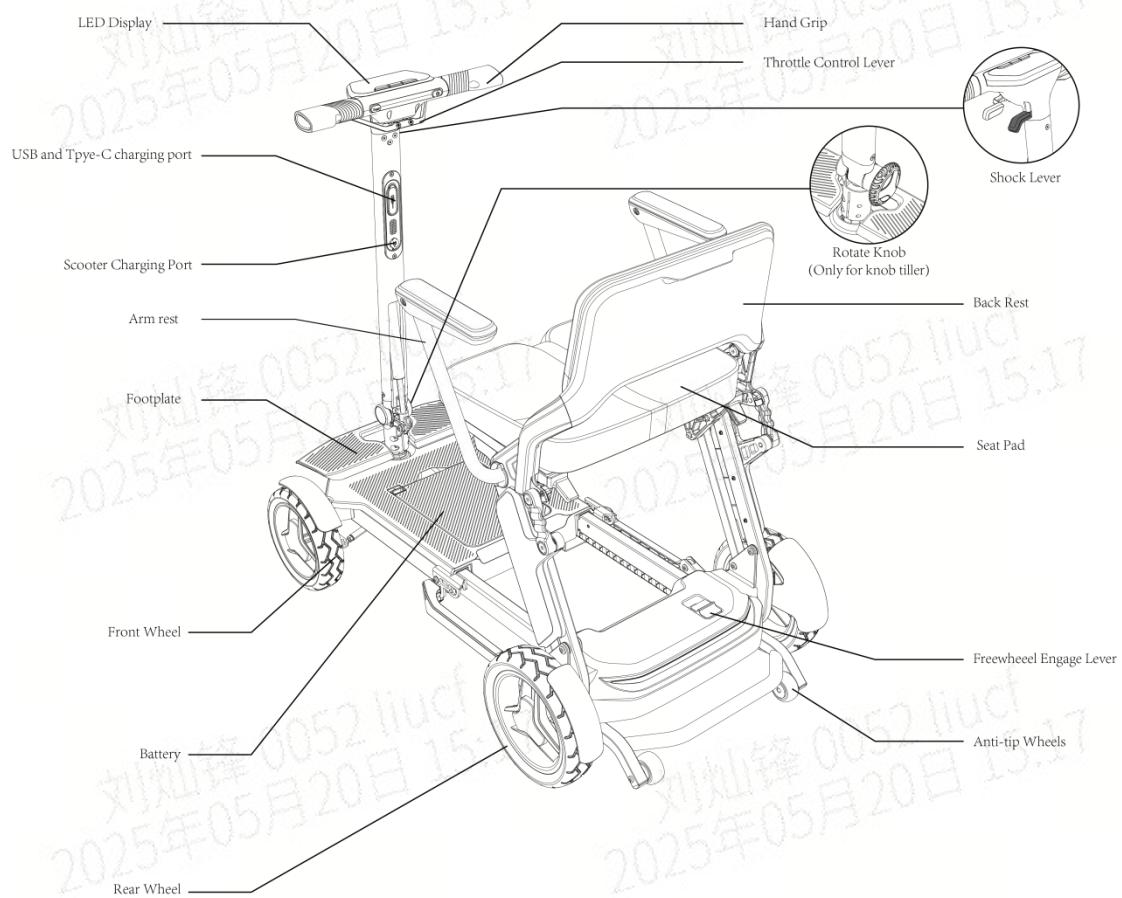
3.1.4 The scooter is featured with the smart motor controller for safety purposes.

The scooter reduces to an appropriate speed level when turning left or right to avoid tipping.

The motor provides the appropriate power output when climbing onto a steep slope.

3.1.5 The scooter is equipped with the front LED light and rear ambient light to enhance the safety ability in the darkness. The BBR-Q40-03 and BBR-Q40-04 doesn't equipped with the rear ambient light.

3.2 Components



3.3 Technical specifications (Kilometer system)

Model	BBR-Q40-01	BBR-Q40-02	BBR-Q40-03	BBR-Q40-04	BBR-Q40-05	BBR-Q40-06
Type class of the scooters	Class A	Class A	Class A	Class A	Class A	Class A
Tiller Folding Method	Knob Tiller	Knob Tiller	Shock Tiller	Shock Tiller	Shock Tiller	Shock Tiller
Battery capacity	10AH	20AH	10AH	20AH	10AH	20AH
Overall length with leg rest	1000mm	1000mm	1000mm	1000mm	1000mm	1000mm

Overall width	570mm	570mm	570mm	570mm	570mm	570mm
Folded length	750mm	750mm	1010mm	1010mm	750mm	750mm
Folded width	570mm	570mm	570mm	570mm	570mm	570mm
Folded height	290mm	290mm	360mm	360mm	290mm	290mm
Total mass	23kg	24kg	23kg	24kg	24kg	25kg
Mass of the heaviest part	19kg	19kg	19kg	19kg	20kg	20kg
Static stability downhill	>35°	>35°	>35°	>35°	>35°	>35°
Static stability uphill	19.9°	19.9°	19.9°	19.9°	19.9°	19.9°
Energy consumption	12.8KM	25.5KM	12.8KM	25.5KM	12.8KM	25.5KM
Seat plane angle	4.3°	4.3°	4.3°	4.3°	4.3°	4.3°
Effective seat depth	375mm	375mm	375mm	375mm	375mm	375mm
Effective seat width	510mm	510mm	510mm	510mm	510mm	510mm
Seat surface height at front edge	540mm	540mm	540mm	540mm	540mm	540mm
Backrest angle	9.2°	9.2°	9.2°	9.2°	9.2°	9.2°
Footrest to seat distance	420mm	420mm	420mm	420mm	420mm	420mm
Backrest height	325mm	325mm	325mm	325mm	325mm	325mm
Leg to seats	109.2°	109.2°	109.2°	109.2°	109.2°	109.2°

surface angle						
Armrest to seat distance	210mm	210mm	210mm	210mm	210mm	210mm
Static stability sideways	19.4°	19.4°	19.4°	19.4°	19.4°	19.4°
Dynamic stability uphill	6°	6°	6°	6°	6°	6°
Obstacle climbing	20mm	20mm	20mm	20mm	20mm	20mm
Maximum speed forward	8km/h	8km/h	8km/h	8km/h	8km/h	8km/h
Minimum braking distance from max speed	1200mm	1200mm	1200mm	1200mm	1200mm	1200mm
Front location of armrest structure	245mm	245mm	245mm	245mm	245mm	245mm
Horizontal location of axle	-25mm	-25mm	-25mm	-25mm	-25mm	-25mm
Minimum turning radius	1400mm	1400mm	1325mm	1325mm	1400mm	1400mm
Maximum occupant mass (including any cargo in storage baskets or seat compartments (backpacks))	136kg	136kg	136kg	136kg	136kg	136kg
Motor Model	BBR-M-03	BBR-M-03	BBR-M-03	BBR-M-03	BBR-M-03	BBR-M-03
Maximum Output Current	20A	20A	20A	20A	20A	20A

of Controller						
Front Wheel Specification	203mm	203mm	203mm	203mm	203mm	203mm
Rear Wheel Specification	229mm	229mm	229mm	229mm	229mm	229mm

3.4 Technical specifications (Mile system)

Model	BBR-Q40-01	BBR-Q40-02	BBR-Q40-03	BBR-Q40-04	BBR-Q40-05	BBR-Q40-06
Type class of the scooters	Class A	Class A	Class A	Class A	Class A	Class A
Tiller Folding Method	Knob Tiller	Knob Tiller	Shock Tiller	Shock Tiller	Shock Tiller	Shock Tiller
Battery capacity	10AH	20AH	10AH	20AH	10AH	20AH
Overall length with leg rest	39.4"	39.4"	39.4"	39.4"	39.4"	39.4"
Overall width	22.4"	22.4"	22.4"	22.4"	22.4"	22.4"
Folded length	29.5"	29.5"	39.8"	39.8"	29.5"	29.5"
Folded width	22.4"	22.4"	22.4"	22.4"	22.4"	22.4"
Folded height	11.4"	11.4"	14.2"	14.2"	11.4"	11.4"
Total mass	50.7lb	52.9lb	50.7lb	52.9lb	52.9lb	55.1lb
Mass of the heaviest part	41.9lb	41.9lb	41.9lb	41.9lb	44.1lb	44.1lb
Static stability downhill	>35°	>35°	>35°	>35°	>35°	>35°
Static stability uphill	19.9°	19.9°	19.9°	19.9°	19.9°	19.9°

Energy consumption	8.0miles	15.8miles	8.0miles	15.8miles	8.0miles	15.8miles
Seat plane angle	4.3°	4.3°	4.3°	4.3°	4.3°	4.3°
Effective seat depth	14.8"	14.8"	14.8"	14.8"	14.8"	14.8"
Effective seat width	20.1"	20.1"	20.1"	20.1"	20.1"	20.1"
Seat surface height at front edge	21.3"	21.3"	21.3"	21.3"	21.3"	21.3"
Backrest angle	9.2°	9.2°	9.2°	9.2°	9.2°	9.2°
Footrest to seat distance	16.5"	16.5"	16.5"	16.5"	16.5"	16.5"
Backrest height	12.8"	12.8"	12.8"	12.8"	12.8"	12.8"
Leg to seat surface angle	109.2°	109.2°	109.2°	109.2°	109.2°	109.2°
Armrest to seat distance	8.3"	8.3"	8.3"	8.3"	8.3"	8.3"
Static stability sideways	19.4°	19.4°	19.4°	19.4°	19.4°	19.4°
Dynamic stability uphill	6°	6°	6°	6°	6°	6°
Obstacle climbing	0.8"	0.8"	0.8"	0.8"	0.8"	0.8"
Maximum speed forward	5mph	5mph	5mph	5mph	5mph	5mph
Minimum braking distance from max speed	47.2"	47.2"	47.2"	47.2"	47.2"	47.2"

Front location of armrest structure	9.7"	9.7"	9.7"	9.7"	9.7"	9.7"
Horizontal location of axle	-1"	-1"	-1"	-1"	-1"	-1"
Minimum turning radius	55.1"	55.1"	52.2"	52.2"	55.1"	55.1"
Maximum occupant mass (including any cargo in storage baskets or seat compartments (backpacks))	300lb	300lb	300lb	300lb	300lb	300lb
Motor Model	BBR-M-03	BBR-M-03	BBR-M-03	BBR-M-03	BBR-M-03	BBR-M-03
Maximum Output Current of Controller	20A	20A	20A	20A	20A	20A
Front Wheel Specification	8"	8"	8"	8"	8"	8"
Rear Wheel Specification	9"	9"	9"	9"	9"	9"

3.5 Following standards

The wheelchair conforms to the following standards:

1. requirements and test methods for static, impact and fatigue strengths (ISO7176-8)

Yes

2. power and control systems for electric wheelchairs - requirements and test methods (ISO 7176-14).

Yes

3. climatic test in accordance with ISO 7176-9.

Yes

4. requirements for resistance to ignition in accordance with ISO 16840.

Yes

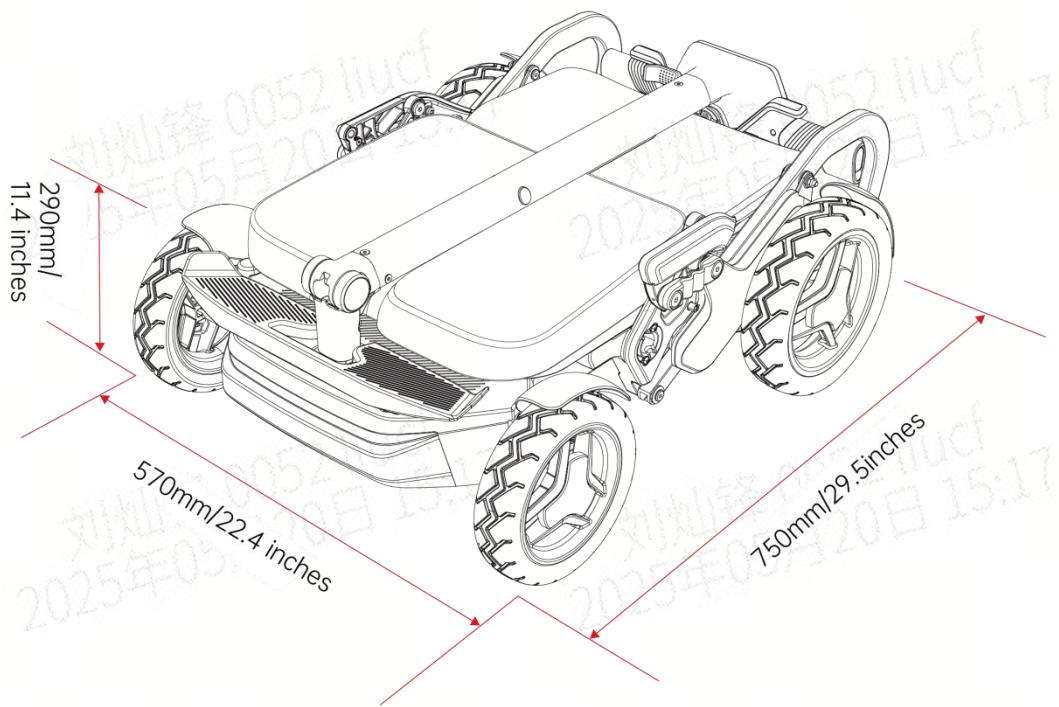
5. Personal data security compliant with GDPR.

Yes

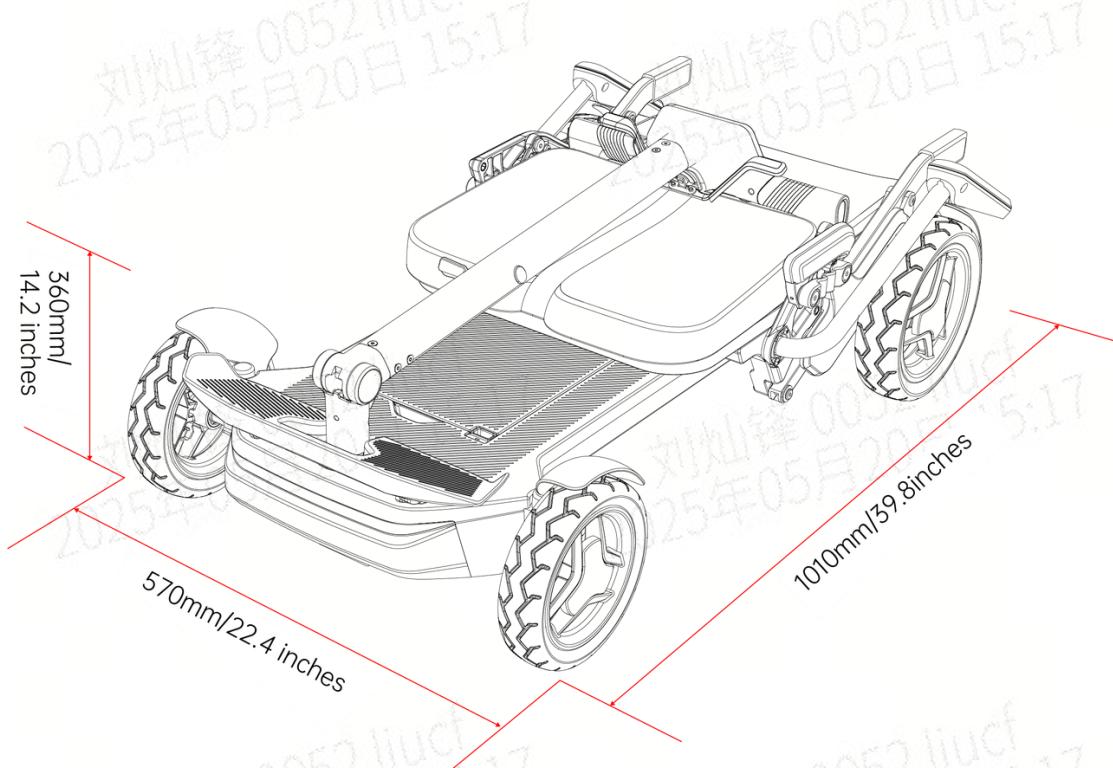
3.6 Product picture with specification



Unfold Size for BBR-Q40-01, BBR-Q40-02, BBR-Q40-03, BBR-Q40-04, BBR-Q40-05, BBR-Q40-06



Fold Size for BBR-Q40-01, BBR-Q40-02, BBR-Q40-05, BBR-Q40-06



Fold Size for BBR-Q40-03, BBR-Q40-04

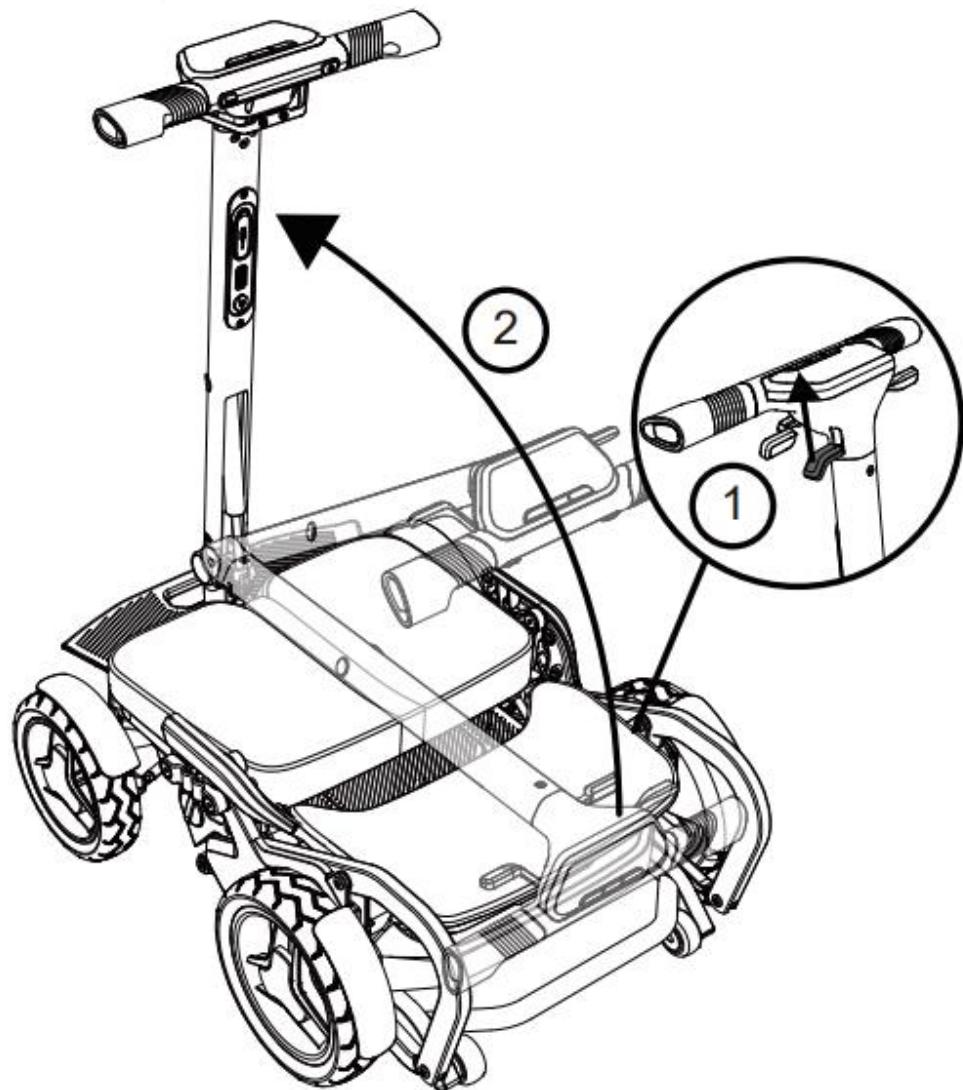
4. Installation and adjustment

4.1 Unfold and fold the scooter

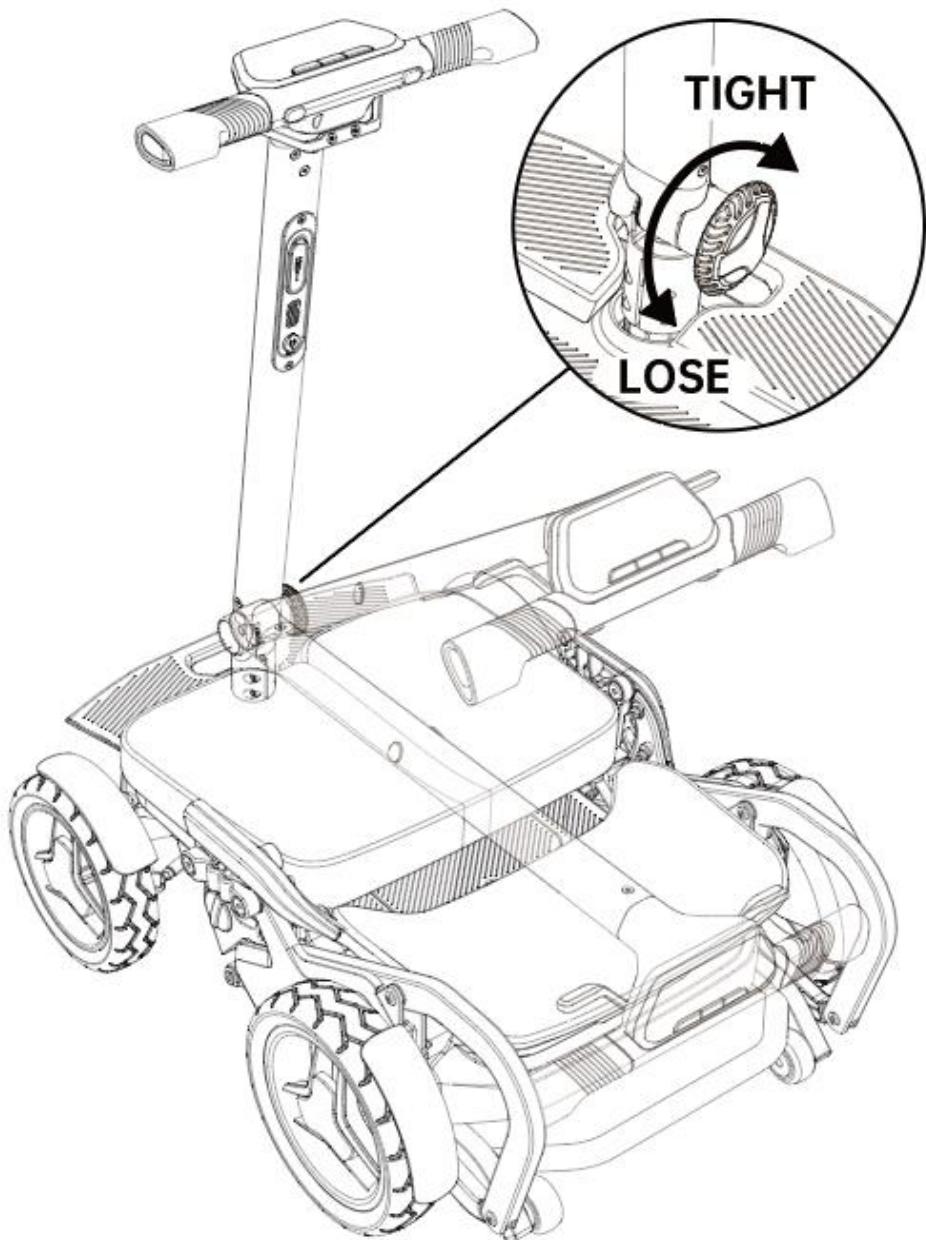
4.1.1 Unfold

Step 1

Pull up the shock lever. The tiller will be automatically unfolded.

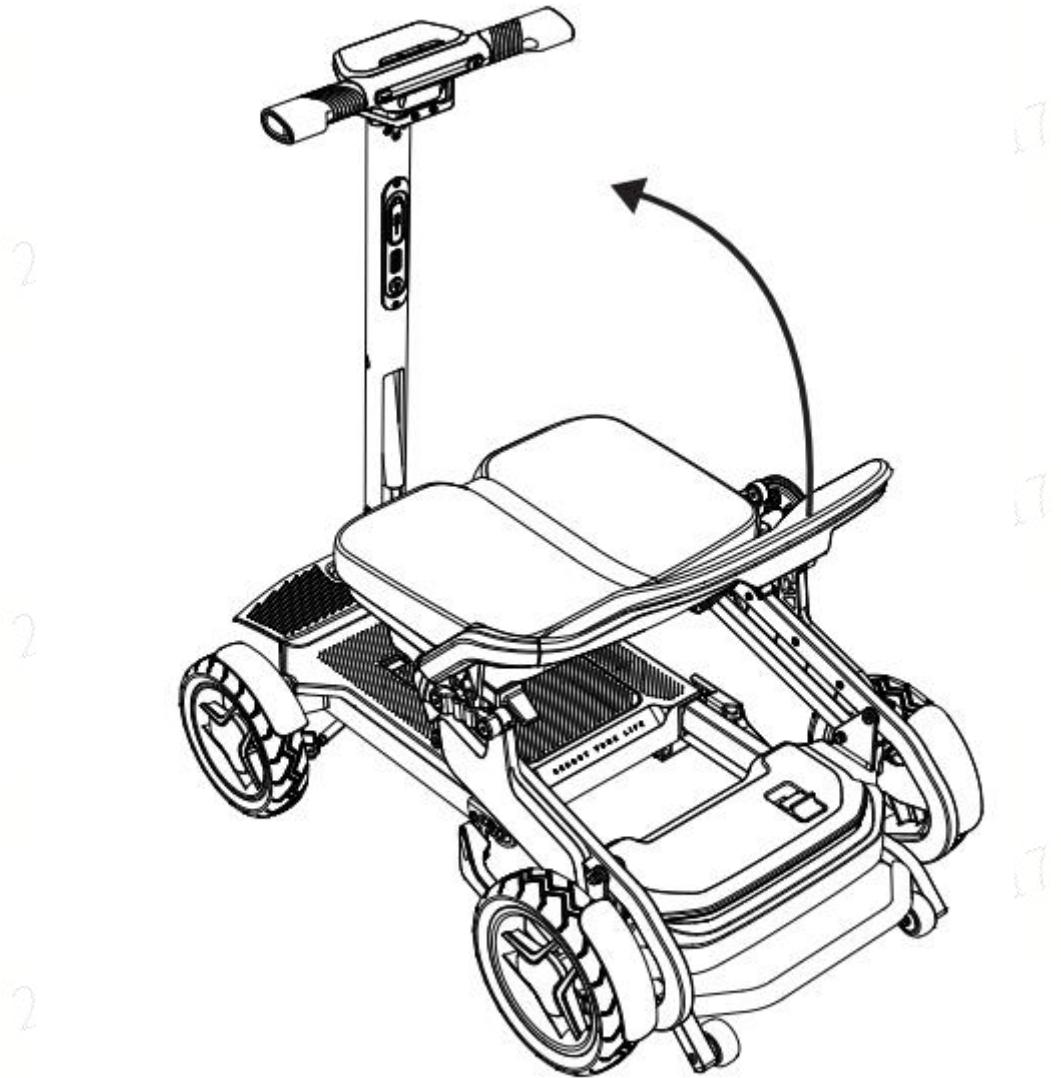


For the rotate knob version, rotate the knob counter-clockwise to loose the tiller and pull it down. Rotate the knob clockwise to tighten the tiller



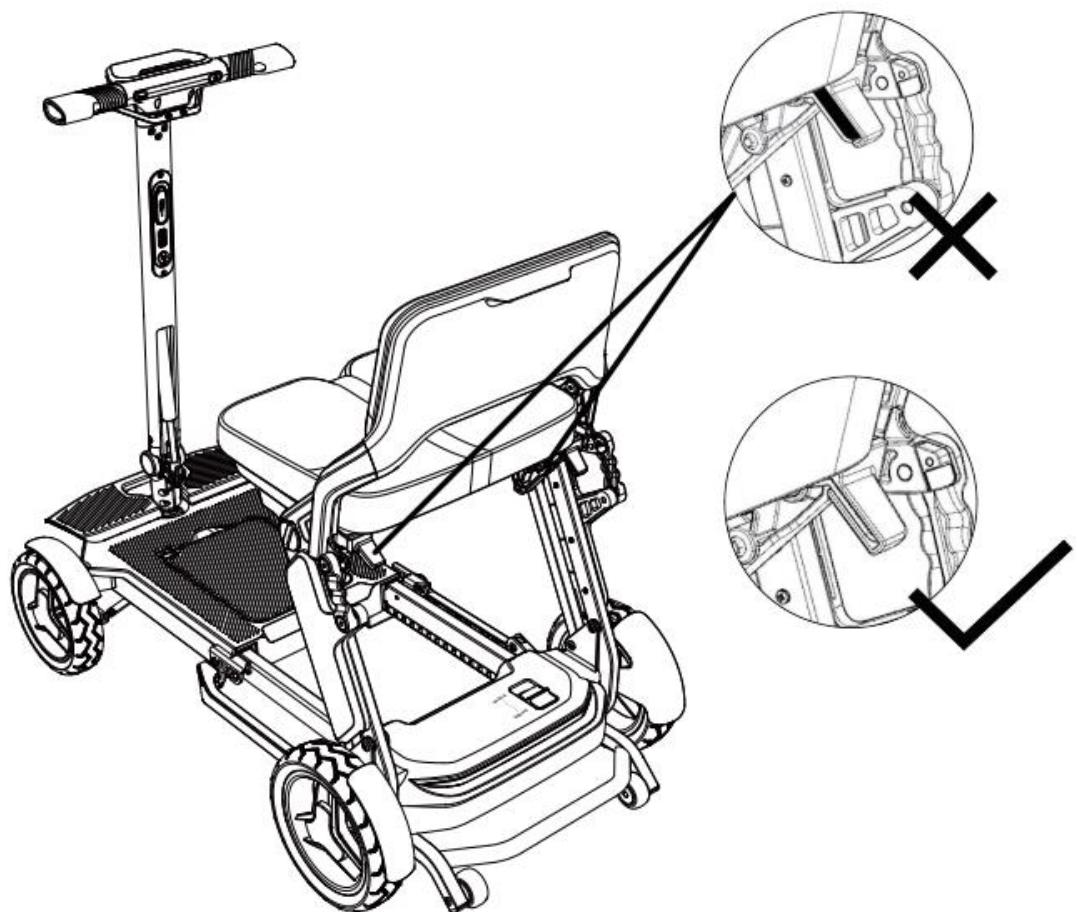
Step 2

Pull up the backrest until hearing the “click” sound which means the frame unfold to the right position. Check the bracket under the seat and make sure the red tabs are absolutely retracted.



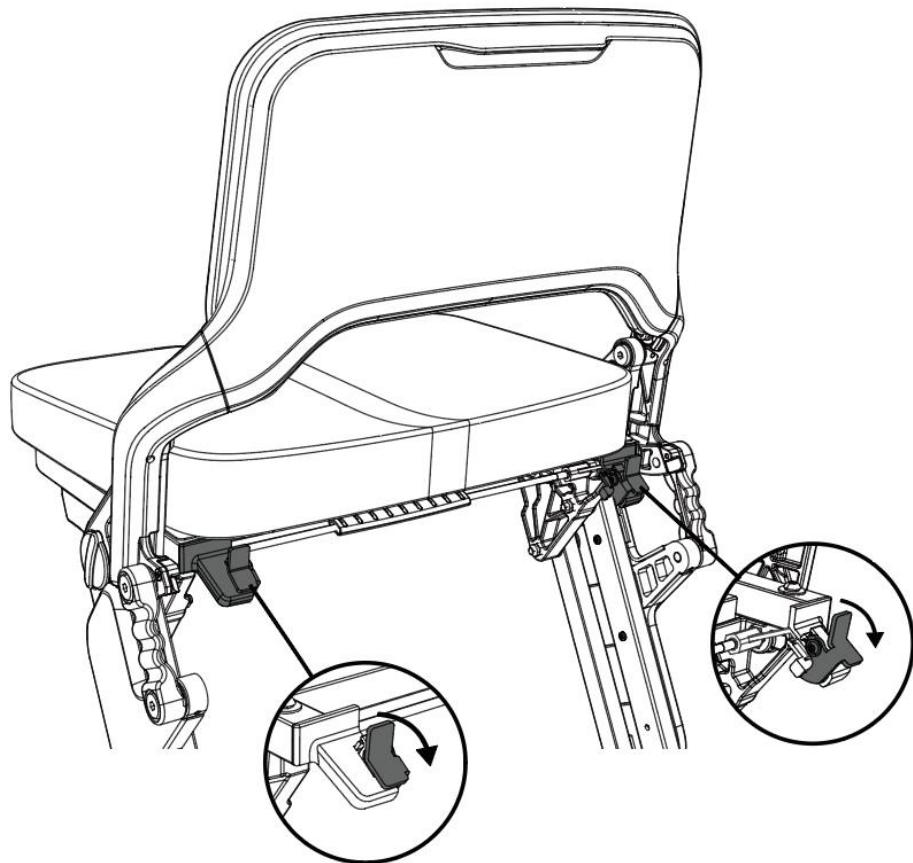
刘灿锋 0052 liucf
2025年05月20日 15:17

刘灿锋 0052 liucf
2025年05月20日 15:17



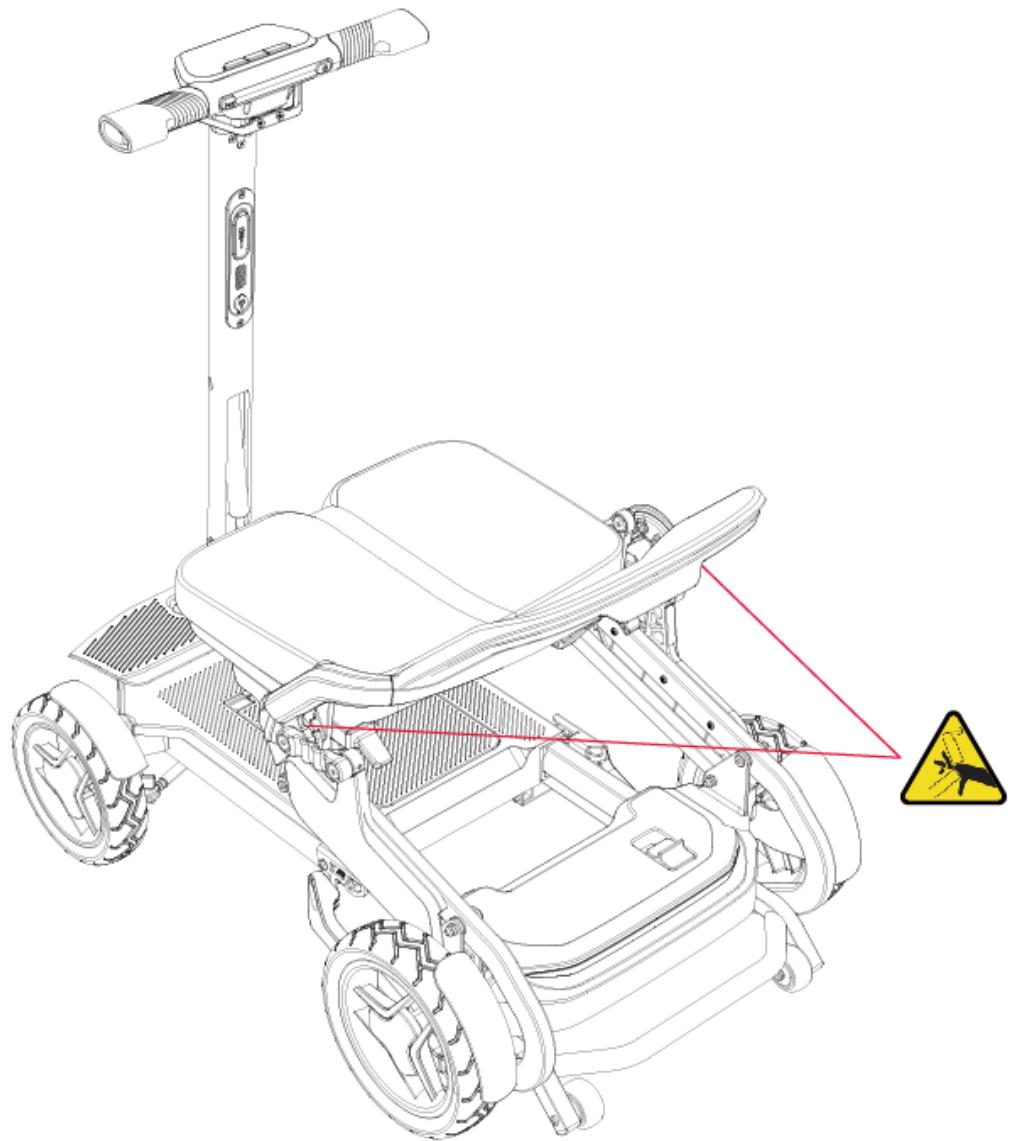
Step 3

Push down the safety latch on both sides to lock the seat folding mechanism



Caution: When unfolding the scooter, keep your fingers away from the scissors mechanism or pinch point to avoid being hurt.

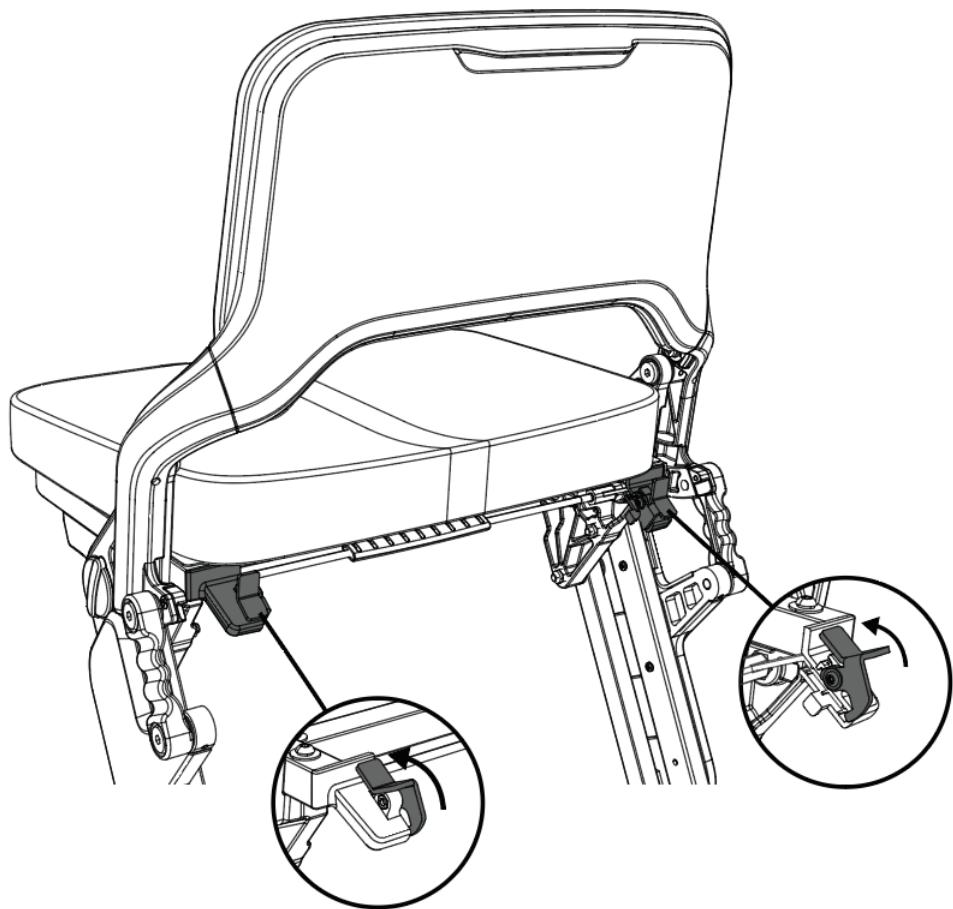
WARNING: The hollow part under the seat when unfolded is strictly prohibited by placing anything inside except the basket which is sold by the manufacturer. Leave your feet away the hollow area in case hit your ankles when the scooter is moving



4.1.2 Fold

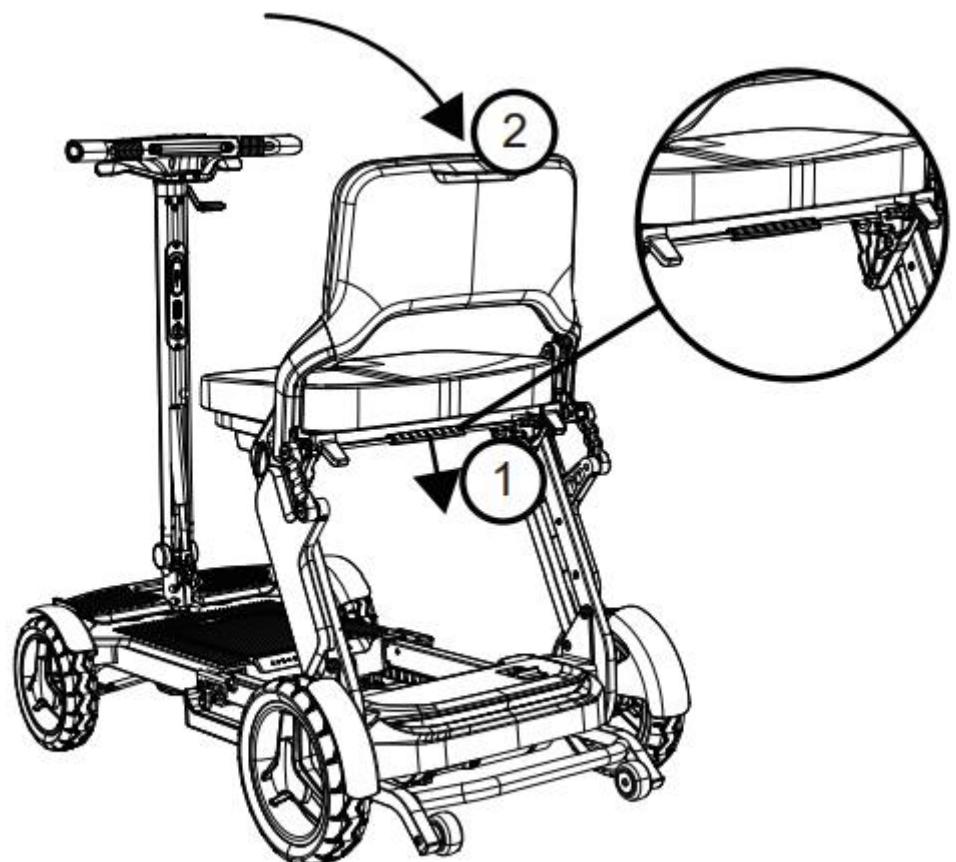
Step 1

Push up the safety latches on both sides to release the folding mechanism

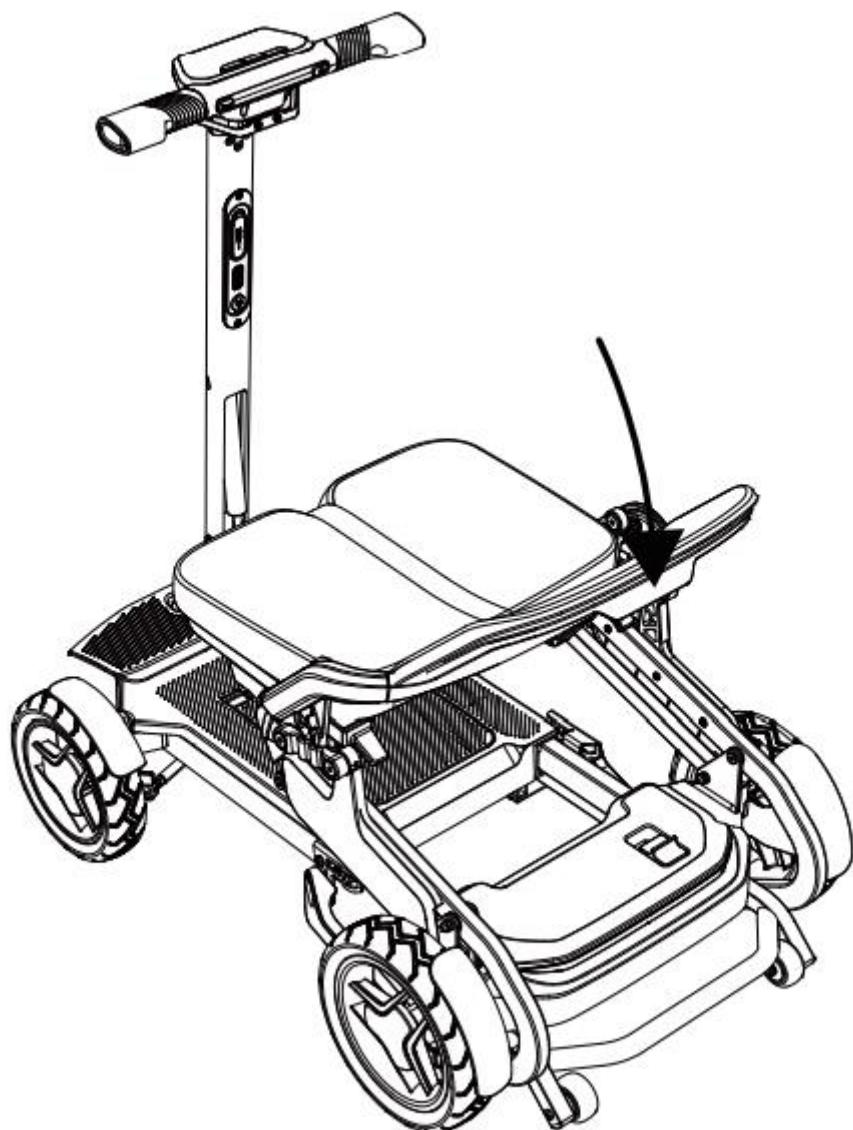


Step 2

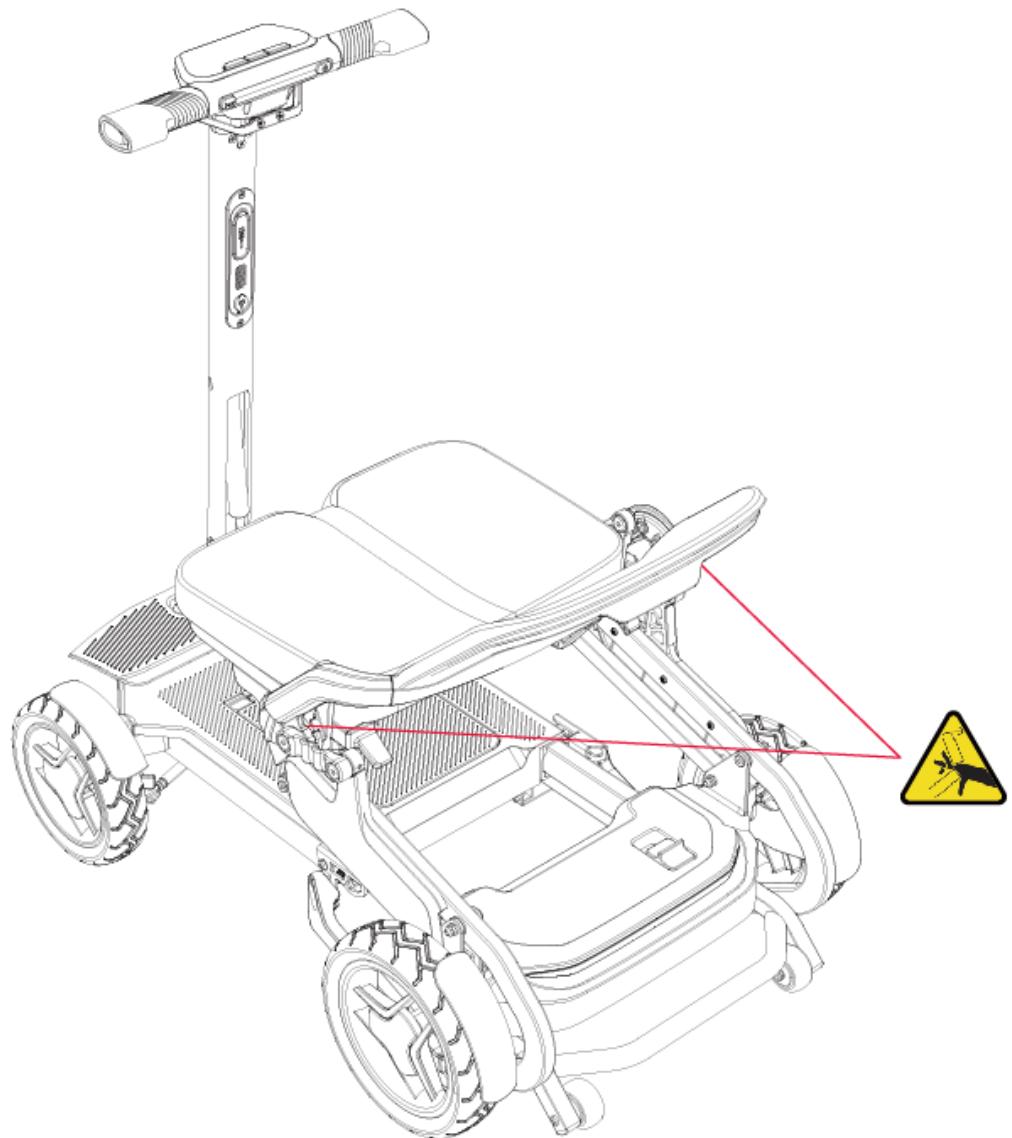
Press the cable under the seat and then push the backrest downward until the frames are totally folded.



刘灿锋 0052 liucf
2025年05月20日 15:17

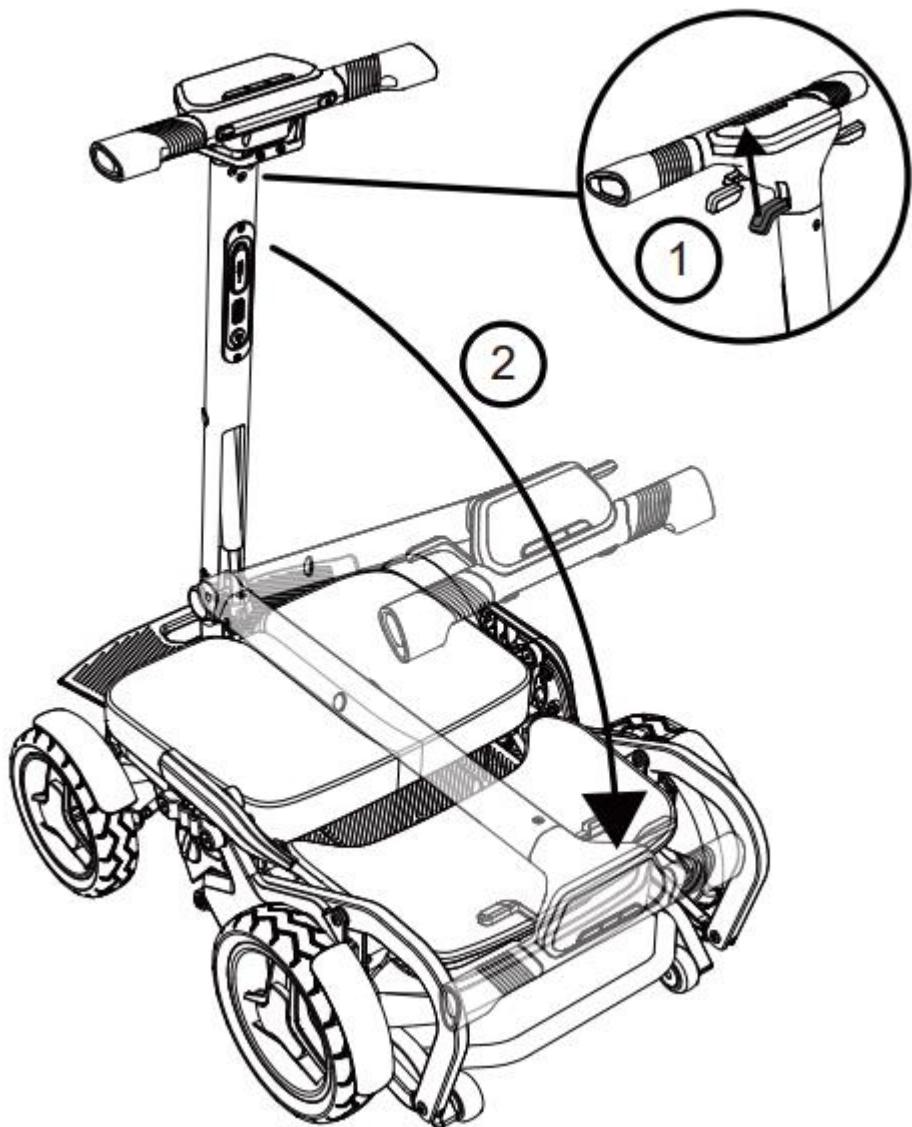


Caution: When unfolding the scooter, keep your fingers away from the scissors mechanism or pinch point to avoid being hurt

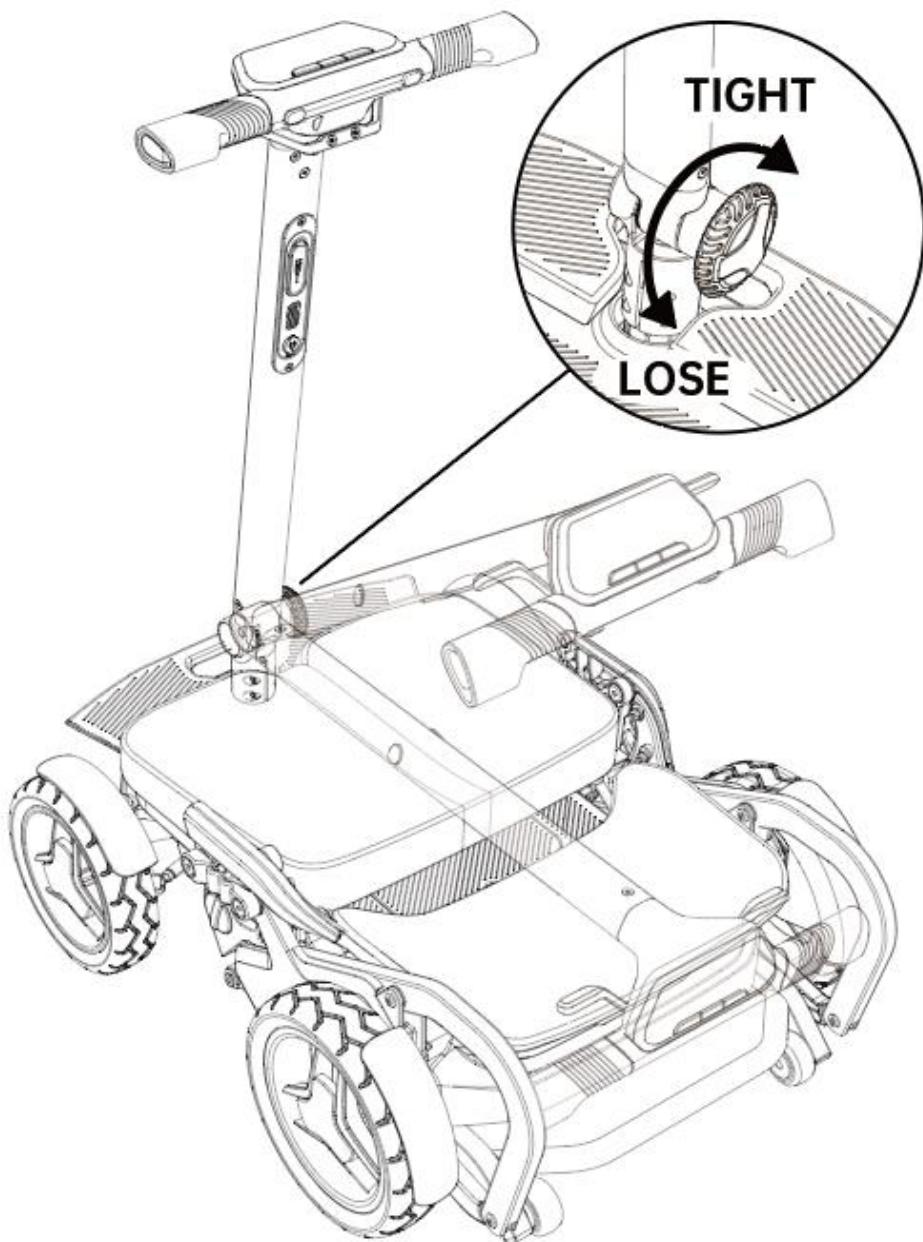


Step 3

Pull up the lever and push down the hand grips

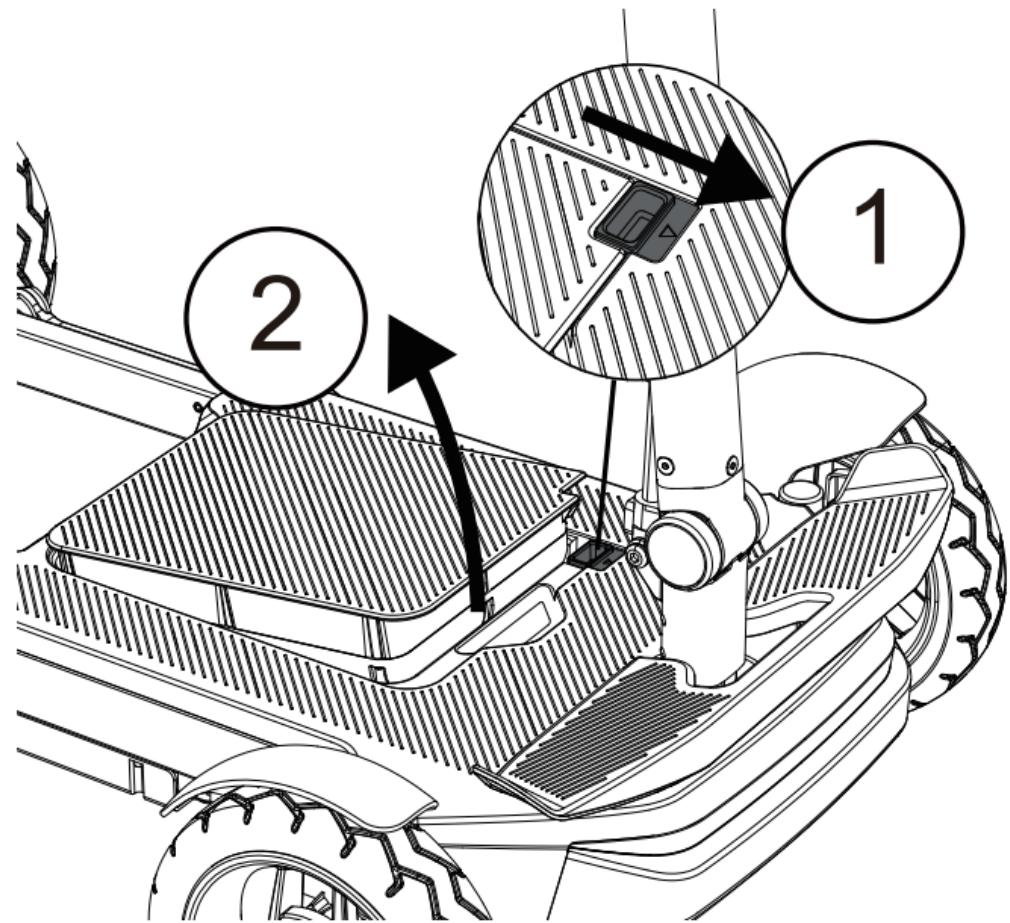


For the rotate knob version, rotate the knob counter-clockwise to loose the tiller and push it down. Rotate the knob clockwise to tighten the tiller



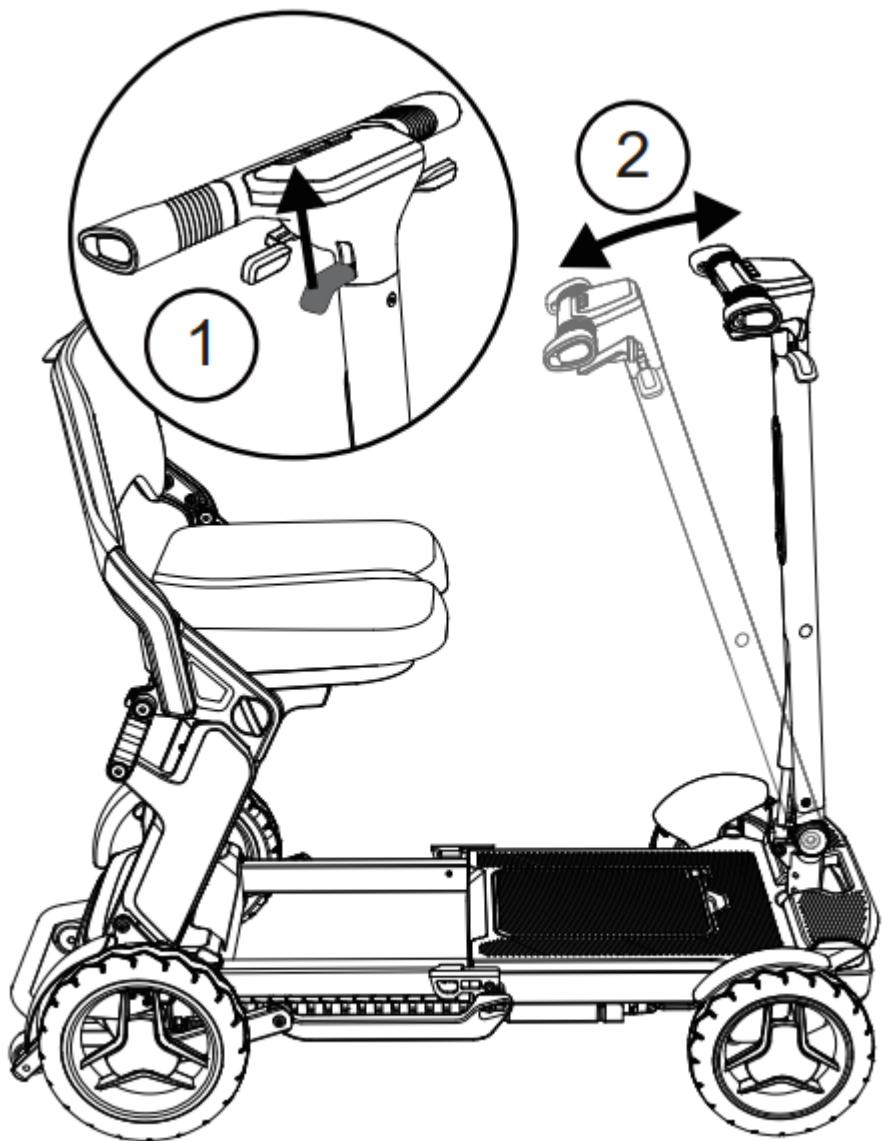
4.2 Removing and installing the battery

- 4.2.1 Before removing the battery, make sure to power off the scooter.
- 4.2.2 Push the safety button
- 4.2.3 Pull out the battery
- 4.2.3 When installing the battery, push back the battery and use the key to lock the battery.



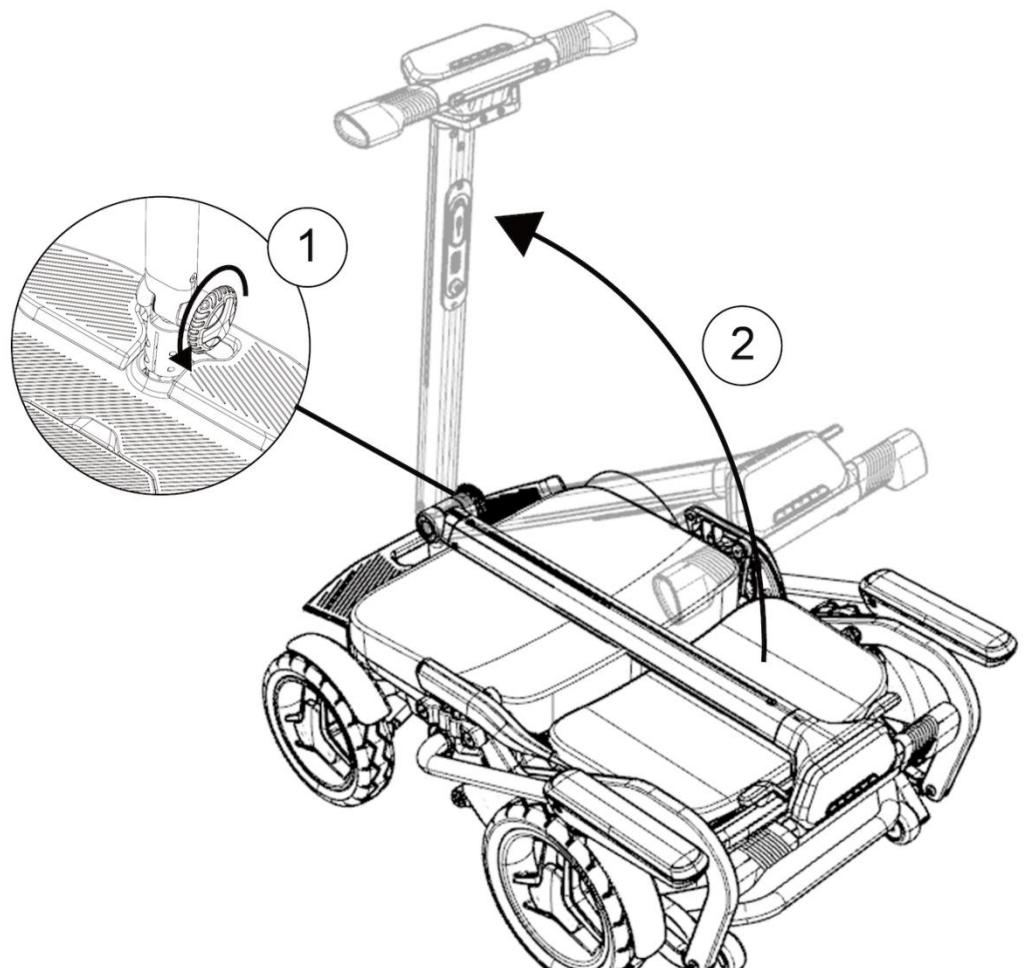
4.3 Adjust the tiller Assembly

- 1) Pull up the lever on the tiller at the same time push the tiller forward or back to adjust the tiller angle
- 2) Release the lever when you fell the tiller is at a comfortable angle

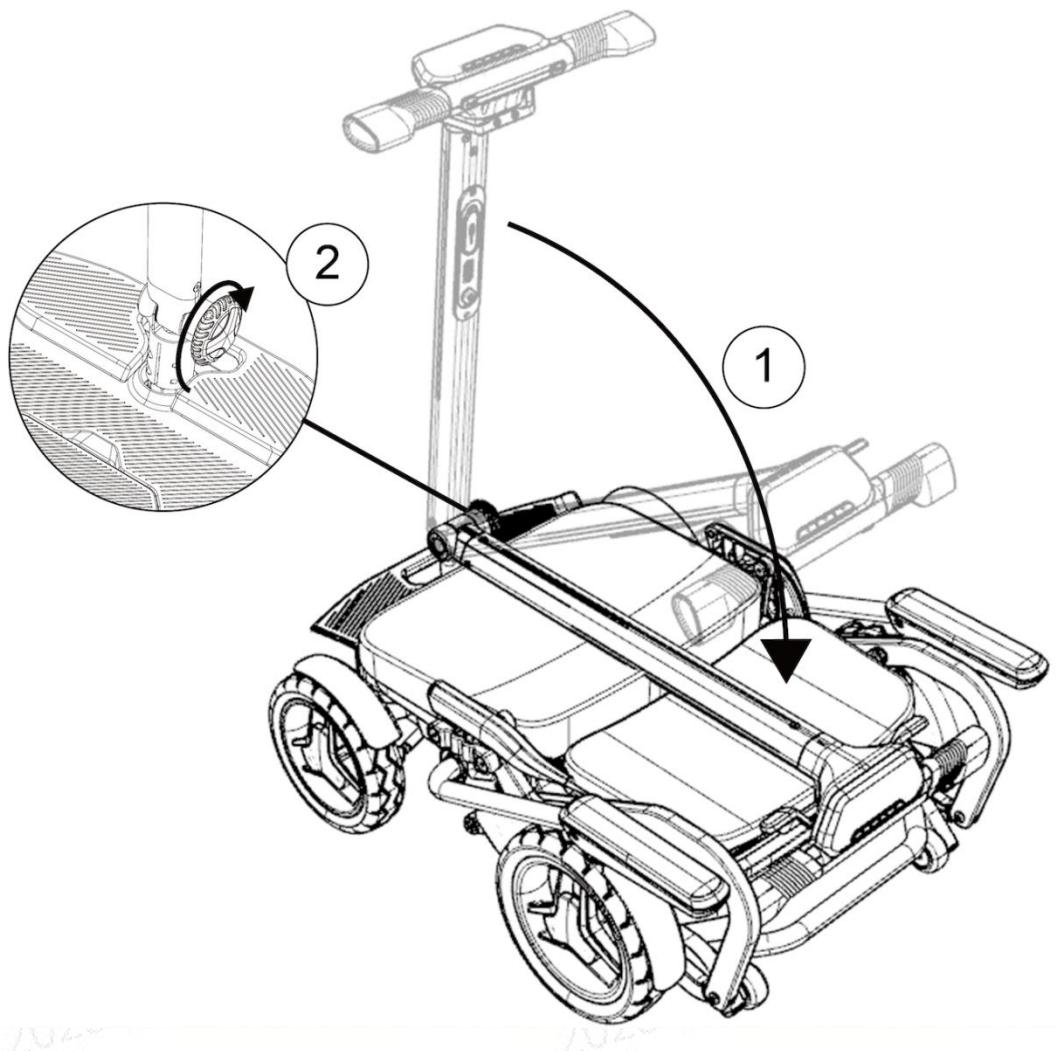


For the rotate knob version

- 1) Rotate the knob counter-clockwise
- 2) Pull up the tiller to your satisfied angle
- 3) Rotate the knob clockwise to tighten the tiller



2025年05月20日 15:17
刘灿锋 0052 liucf



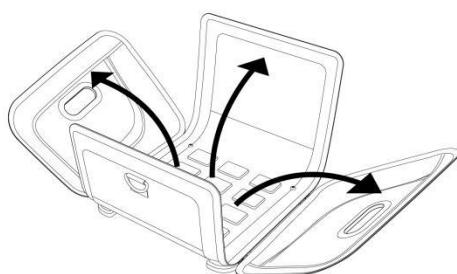
any question, please contact the nearest dealer.

4.4 How to assemble the storage basket and armrest

The scooter comes with a storage basket and foldable armrest. Please follow the instruction below to install and remove.

4.4.1 Instruction to install and remove the basket

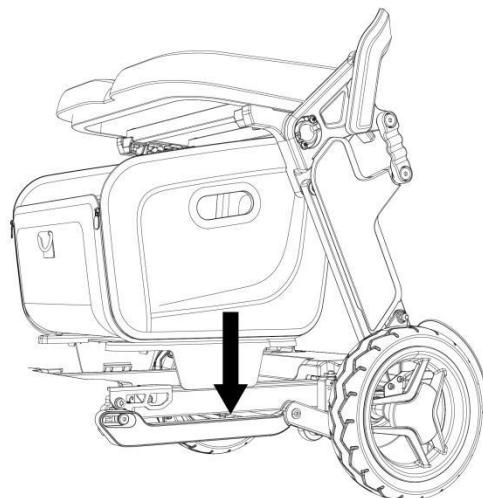
INSTALL



STEP 1:
Unfold the bag

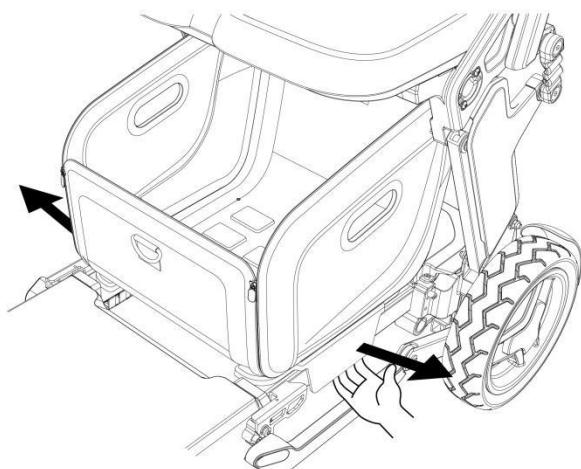


STEP 2:
Zip up the zippers on all four corners



STEP 3:
Align the bag with the rear frame
and press down until you hear a
click.
Ensure the base is securely locked
into the frame tube.

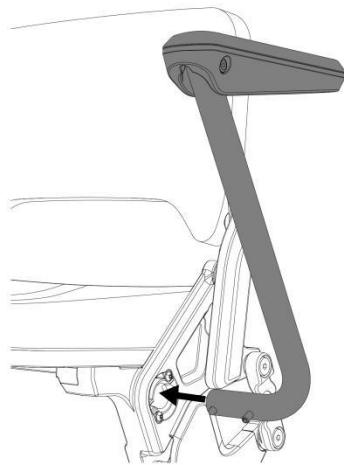
REMOVE



Pull the lower edge of the
base outward until it
disengages from the frame,
then remove the bag.

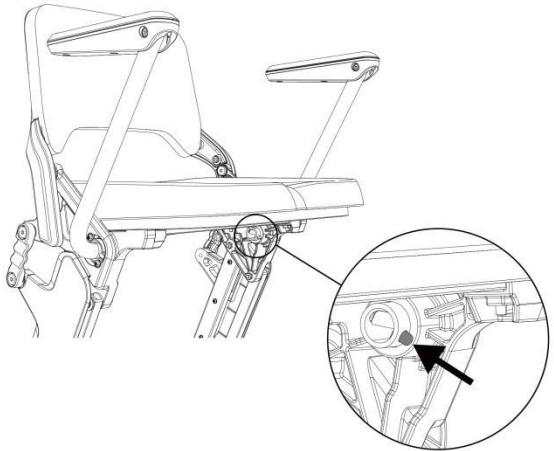
4.4.2 Instruction to install and remove the armrest

INSTALL



Push armrests into the mounting holes on both sides of the seat. Check left/right before install.

REMOVE



Press the spring buckle on the armrest tube under the seat, then pull the armrest outwards.

5. Use

Before you use the scooter for the first time, please read this chapter carefully and deeply understand the various precautions, so as to drive the scooter safely, comfortably and freely, which is very important to you. If any question, please contact the nearest dealer.

Before you use the scooter for the first time, please read this chapter carefully and deeply understand the various precautions, so as to drive the scooter safely, comfortably and freely, which is very important to you. If any question, please contact the nearest dealer.

5.1 Precautions before operation

Please understand the chapter of "2.3 Safety instructions" before operation.

5.2 Understand the operation interface

5.2.1 Control panel and Function of Buttons

- 1) Throttle control lever
- 2) LED Display

3) Power ON/OFF

Long press the Power switch for 2 seconds to turn on or off the scooter. After 10 seconds from turning off the power, only Bluetooth is activated, and other systems enter sleep mode. After 72 hours, all the systems enter deep sleep mode which consumes very little power.

Short Press the Power switch when you turn off the NFC unlock function in the APP

4) Horn Switch

5) Freewheel Mode On/Off (Long press 2 seconds for Cruise Control On/Off)

When you enter freewheel mode, press either lever and you can push the scooter easily.

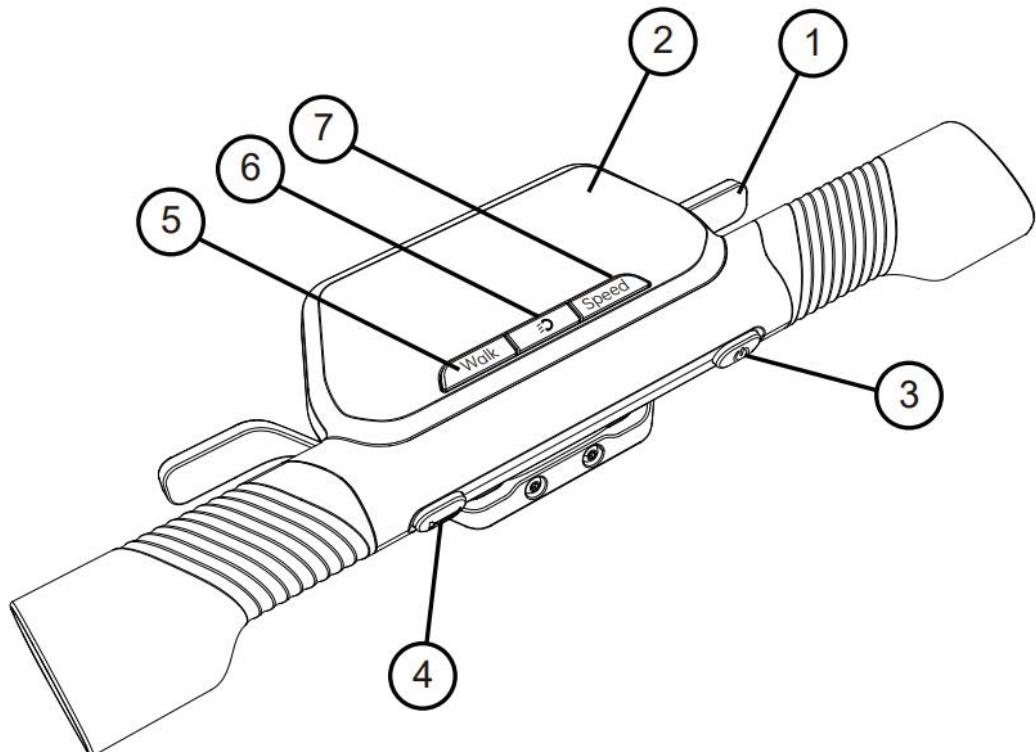
When you enter cruise mode, you will drive under your existing speed without pushing down the throttle lever. Please focus on your driving. To quit the cruise mode, please press any throttle lever or WALK or SPEED keys below the display.

Under cruise mode, the Horn key, the Power ON/OFF key, and the Light Key still work.

6) Front and Rear Light On/Off (Long Press 2 seconds for shifting the left and right hand to use the throttle control lever)

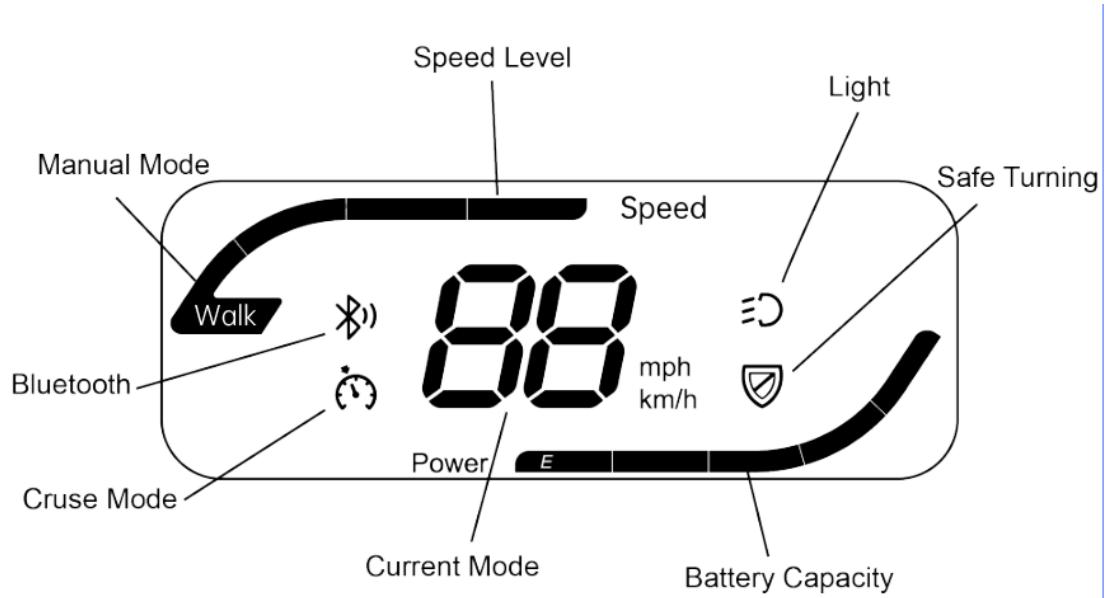
7) Speed Level to select three different top speed including 3KPH, 6KPH or 8KPH (Long press 2 seconds to change the speed unit MPH or KPH)

Tip: Push down the 3)Power ON/OFF and 4) Horn Switch for 2 seconds, and the scooter enters Deep Sleep Mode which can save more power.



- 1) Throttle control lever
- 2) LCD Display
- 3) Power ON/OFF
- 4) Horn Switch
- 5) Freewheel Mode On/off (Long press 2 seconds for Cruise Control On/Off)
- 6) Front and Rear Light On/Off (Long Press 2 seconds for shifting the left and right hand to use the throttle control lever)
- 7) Speed Level (Long press 2 seconds to change the speed unit MPH or KPH)

5.2.2 LED Display Description



Battery Capacity Gauge (Not for the circumstance of battery charging)

5 bars: battery capacity more than 80% but less than 100%

4 bars: battery capacity more than 60% but less than 80%

3 bars: battery capacity more than 40% but less than 60%

2 bars: battery capacity more than 20% but less than 40%

1 bars: battery capacity more than 10% but less than 20%

1 bars in red: battery capacity less than 10%

5.2.3 Throttle Control Lever

Holding the hand grip, pull the right throttle control lever back with the right fingers, and the scooter will move forward. Pull the left throttle control lever back with the left fingers, the scooter will move backwards. The horn will make a warning sound when the scooter is moving backwards. When the throttle control lever is fully released, it will automatically stop in the "center" position, and the electromagnetic brake will automatically brake the scooter.

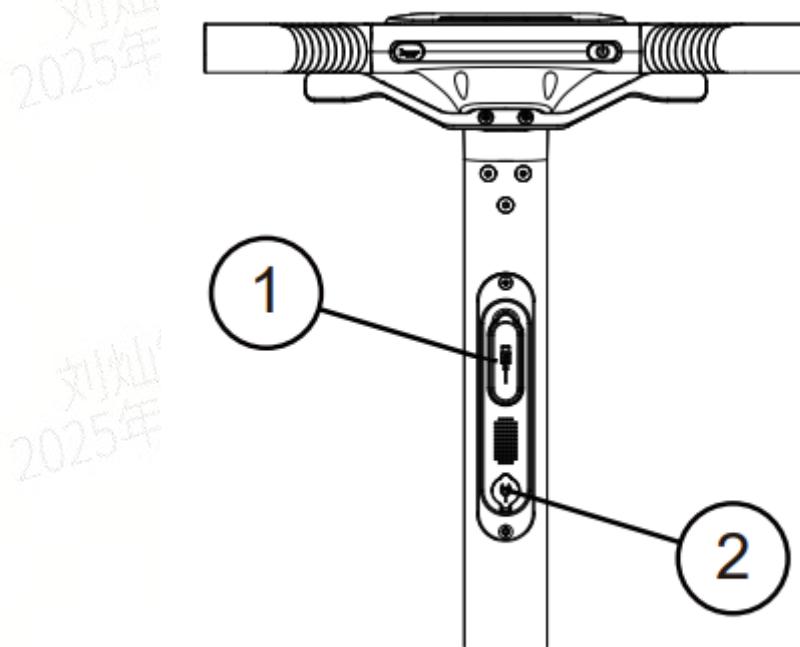
5.2.4 USB and Type-C Charging Port

You can charge your personal electronic device through the USB and type-C charging port

5.2.5 Battery Charging Port

Charge the battery

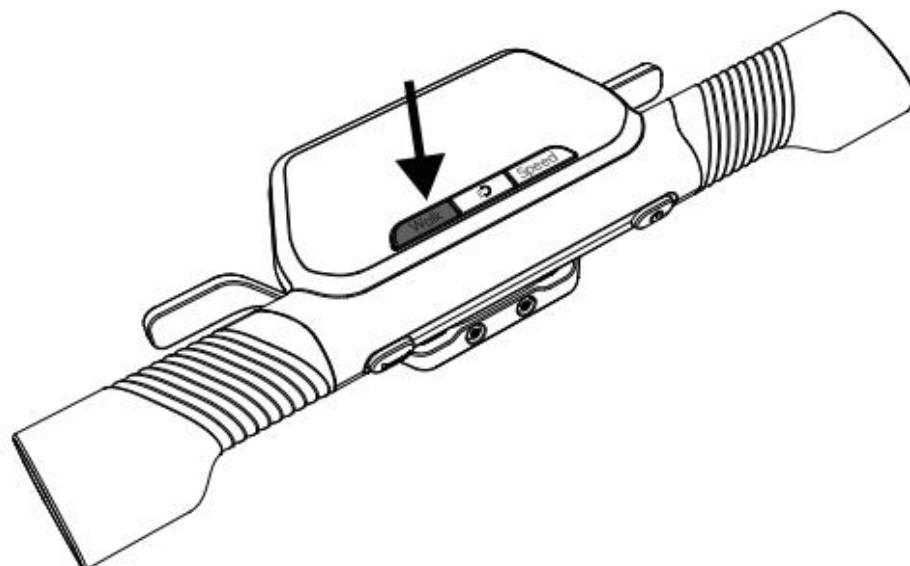
- 1) USB and Type C Charging Port
- 2) Scooter Battery Charging Port



5.2.6 Freewheel Mode

There are two ways to engage the freewheel modes:

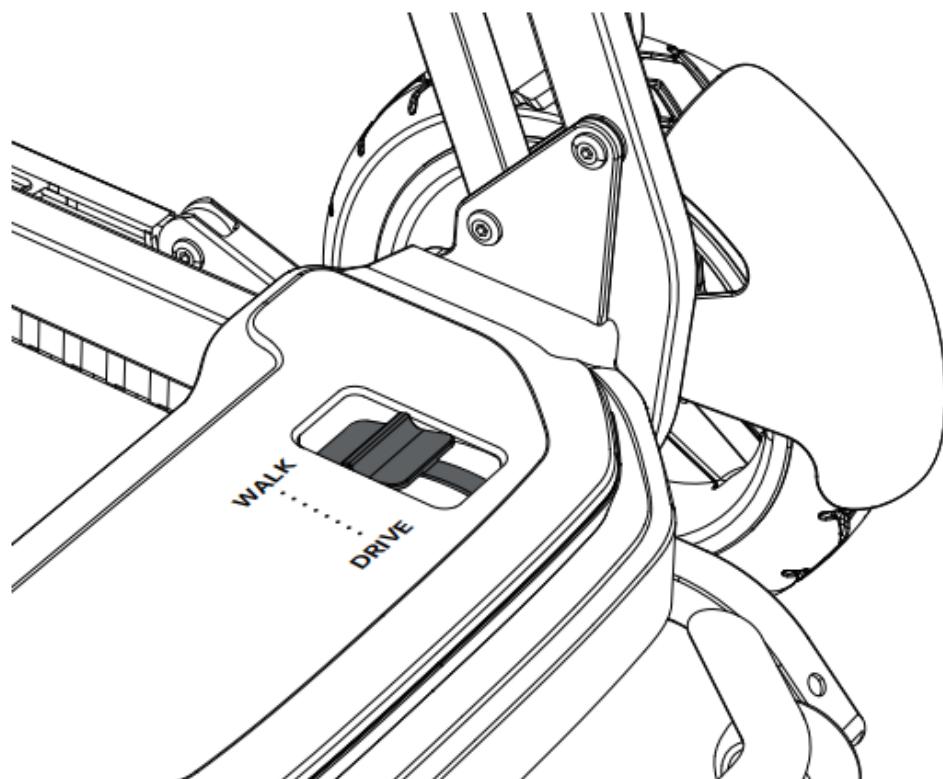
- 1) Press the freewheel button on the display to engage the freewheel mode. Press either lever so that you can push the scooter)



2) Push the yellow switch forward on the motor cover under the seat. You can manually push the scooter to go.

There are two ways to quit the freewheel mode

- 1) If you enter the freewheel mode with the "WALK" button. Press the "Speed" or "WALK" button or "Power" button or swipe the NFC key to quit the freewheel mode.
- 2) If you enter freewheel mode by pushing the motor lever under the seat. Pull back the yellow button on the motor cover under the seat.



WARNING: It is forbidden to engage the freewheel mode when going downhill, and there is no braking effect when entering the open state.

5.3 Tires

The scooter comes with air-free solid PU tires, eliminating the need for inflation. The manufacturer is not liable for damage to parts that are not genuine or original. For more information, please reach out to your authorized dealer.

5.4 Anti-tip wheel

The anti-tip wheel assembly is mounted on the rear of the scooter frame for your safety. It prevents the scooter from tipping backward when you encounter obstacles that are within the specified maximum height.

5.5 Armrest

The armrest on the scooter can be flipped back so the user can be seated on to the scooter with freely.

When driving the scooter, you can rest your arm on the armrest to feel more comfortable.

5.6 Transfer in or out the scooter

Make sure to switch off the scooter before getting on or off the scooter.

6. Driving

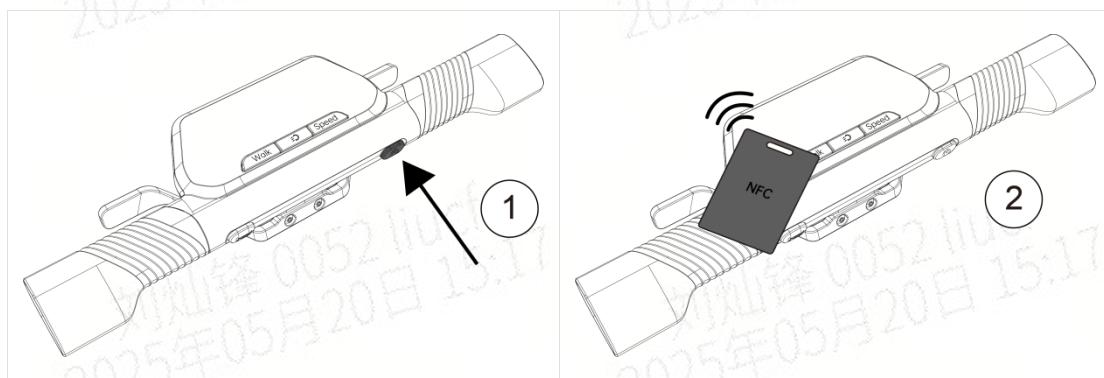
6.1 Start and drive

6.1.1 Check that the manual freewheel lever must be closed.

6.1.2 Push down the power switch for 2 seconds and use the NFC fob to unlock the scooter

For the BBR-Q40-03 and BBR-Q40-04, Push down the power switch for 2 seconds and use push the power switch again to unlock the scooter

The Near Field Communication (NFC) card reader provides you the additional security for your scooter as no key is the same. The NFC reader allows you to unlock the scooter for additional security.



6.1.3 Check the battery gauge in the display to confirm the remaining power of the battery, and charge it when it is low.

6.1.4 Adjust the speed gear to the desired speed.

6.1.5 Confirm the safety of the surrounding environment and road conditions.

6.1.6 The operation of the throttle control lever: Slowly turn the right throttle control lever to control the forward of the scooter, and turn the left throttle control lever to control the back of the scooter. Adjust the speed of the scooter according to the forward and backward degrees of the throttle control lever.

6.1.7 Forward Holding the hand grip, pull the right throttle control lever back with the

right fingers, and the scooter will move forward.

6.1.8 Backwards Holding the hand grip, pull the left throttle control lever back with the left fingers, and the scooter will move backwards. The horn will make a warning sound when the scooter is moving backward.

6.2 First Time Driving

WARNING: Familiarize yourself with your scooter and its controls before driving.

WARNING: Only use one throttle control lever at a time. Using both simultaneously can result in a loss of control.

WARNING: Do not adjust the speed while driving to avoid injury.

WARNING: Ensure that no people or objects are behind you when reversing to prevent accidents.

- **Starting the Scooter**

When seated, start the scooter following the operating instructions. Hold the handle with both hands, and use your fingers to pull the throttle control lever in the desired direction. For more details, see section 5.2.3.

- **Driving on Sidewalks**

The maximum allowable speed on sidewalks varies by country. Be sure to check the local traffic laws.

- **Braking**

To brake, release the throttle control lever, allowing it to return to the center position. The scooter will slow down and stop. Practice braking to get used to the scooter's stopping distance. Anticipate how the scooter will respond when driving or braking. Do not turn off the power switch while driving, as this can cause an emergency stop and may lead to accidents and injuries.

- **Driving on Curves**

The Q40 is equipped with an electronic gyro which can help to reduce the top speed under safe speed.

WARNING: Reduce speed before entering curves or corners to avoid the risk of rollover.

WARNING: Maintain a safe distance from corners and obstacles to avoid getting stuck.

WARNING: Avoid S-turns and erratic driving to prevent rollover. When approaching a curve or corner, use both hands to turn the handlebars in the desired direction. The front wheels will turn accordingly, guiding the scooter. Ensure there is enough space to pass through. It's advisable to begin turning gradually before reaching a corner to keep the scooter as straight as possible through narrow turns.

WARNING: Do not make sharp 90-degree turns too quickly, as the rear wheel may hit an obstacle, causing the scooter to become unbalanced.

6.2.1 Reversing

WARNING: Familiarize yourself with your scooter's controls before driving.

WARNING: Keep your speed low when reversing.

WARNING: Be aware of collision hazards and continuously check behind you while reversing.

Driving in reverse requires more attention

6.2.2 Uphill Driving

WARNING: Familiarize yourself with your scooter's controls before driving.

WARNING: Do not drive on the slope over 6 degrees



WARNING: Never leave the scooter on a slope with the manual freewheel lever engaged.

WARNING: Control your speed and move as quickly as possible when driving uphill.

WARNING: Do not reverse while going uphill.

- **Uphill Positioning**

Lean forward when going uphill to avoid tipping over. Ensure that all wheels remain in constant contact with the ground to prevent accidents, as the scooter's differential requires both drive wheels to stay grounded.

6.2.3 Downhill Driving

WARNING: Familiarize yourself with your scooter's controls before driving.

WARNING: Never leave the scooter on a slope with the manual freewheel lever engaged.

WARNING: Move as slowly as possible when going downhill.

WARNING: Avoid sharp turns to prevent rollover.

- **Downhill Positioning**

Lean backward when going downhill to maintain stability. Avoid tipping, as this can cause some wheels to lose contact with the ground, increasing the risk of rollover.

The weight of the scooter will cause it to gain speed when descending. Release the throttle control lever in advance to slow down, and avoid sharp turns to prevent the scooter from lifting on one side or rolling over.

6.3 Driving on Slopes

The Q40 equipped with an electronic gyro which can limit the top speed under a safe speed while the uphill or downhill angle is over 10 degrees. When the slope angle is over 15 degrees, the scooter stops for safety purposes.

WARNING: Do not exceed the slope's maximum weight capacity to avoid injury.

WARNING: Whenever possible, choose a gentle slope to prevent injury or damage.

WARNING: If the scooter's weight creates a strong reaction force, an accompanying person may need to push the scooter up the ramp.

WARNING: Ensure the wheels are high enough to clear ramps, and that the scooter's frame does not touch the ramp.

- **Using Ramps to Cross Obstacles**

- a. Drive at the lowest speed when on a ramp.

- b. Refer to the instructions in the "First Time Driving" section for additional guidance.

6.4 Driving Over Obstacles

WARNING: Prevent unintended movement to avoid injury.

- Do not take the scooter on an escalator.
- Never drive over obstacles or steps higher than **0.8** inches.



- Avoid tilting the scooter. Ensure that all wheels remain in contact with the ground when navigating up or down slopes.

WARNING: Risk of damage. If necessary, briefly accelerate to clear an obstacle.

Avoid placing excessive force on your scooter.

WARNING: Always maintain control of your scooter. Never leave it with the manual freewheel lever engaged, especially on a slope, as it may roll unexpectedly.

Caution:

1. Do not operate the throttle control levers with both hands simultaneously to accelerate.
2. Do not turn off the power switch while driving, as this may cause sudden braking and a fall.
3. Drive at low speed indoors.
4. Be cautious when driving in crowded or high-traffic areas.
5. When reversing, be mindful of people and obstacles behind you.

6.5 Driving over soft surface

Do not drive on soft surfaces like snow, mud or frozen roads



6.6 Transport

Transport by Car: This product can be folded and placed in a car trunk.

WARNING: The scooter is not suitable for use as a car seat, as this may lead to injury.

WARNING: Remove all loose parts before transport to avoid injury.

WARNING: Ensure that no person or object is under the scooter, and that no person or object is on the pedal or seat.

WARNING: Make sure you are securely seated to prevent injury in the event of a collision or sudden braking.

WARNING: Keep fingers clear of any moving parts on the scooter to avoid injury.

7. Voice Prompts

The scooter is featured with voice prompts function to let the user better understand the actions from the scooter. Meanwhile, there are different voice prompts for

reminding and warnings from the scooter.

List of the Voice Prompts (Voice is only reminder and can't communicate interactively)

Charging.	The battery is charging
No riding while charging	You can not ride when charging the battery
Low battery. Please charge soon.	The battery capacity is low, you need to charge the battery
Steep slope. Please get off and push the scooter.	You are on a slope over 15 degree angle, the scooter will stop and you need to push
Steep slope detected. Speed reduced for safety.	You are on a slope over 15 degree angle, the scooter will stop and you need to push
Reversing, Please be cautious.	You are on a slope over 10 degree angle, the scooter will reduce the top speed to 3kph
Control direction reversed.	A reminder of the exchange of the throttle lever
Hold the lever to move, Release to stop	A reminder of how to use the throttle lever
Cruise control activated, Stay alert.	A reminder to tell the user the cruise mode is on and need to be careful
Cruise control exited.	A reminder to tell the user the cruise mode is off
Bluetooth connected	A reminder for successfully connection between the mobile phone and scooter via Bluetooth
Bluetooth disconnected	A reminder for successfully disconnection between the mobile phone and scooter via Bluetooth
Brake unlocked. Please engage it before riding.	A reminder to tell the user the freewheel mode is still on
Use NFC key to exit park mode before riding	A reminder to tell the user to swipe the NFC card on the display to unlock the scooter to ride

8. How to Use the APP

Some of the driving parameters can be reviewed on an APP. You can also adjust some functions of the scooter through the APP.

Before starting to use the Robooter+ APP, you need to download

For the IOS smartphone

1) Go to App store to find the APP Robooter+



2) Click to download

3) Open the app when the download finishes and start to use the App

For the Android smartphone

1) Go to Google Play to find the APP Robooter+



2) Click to download

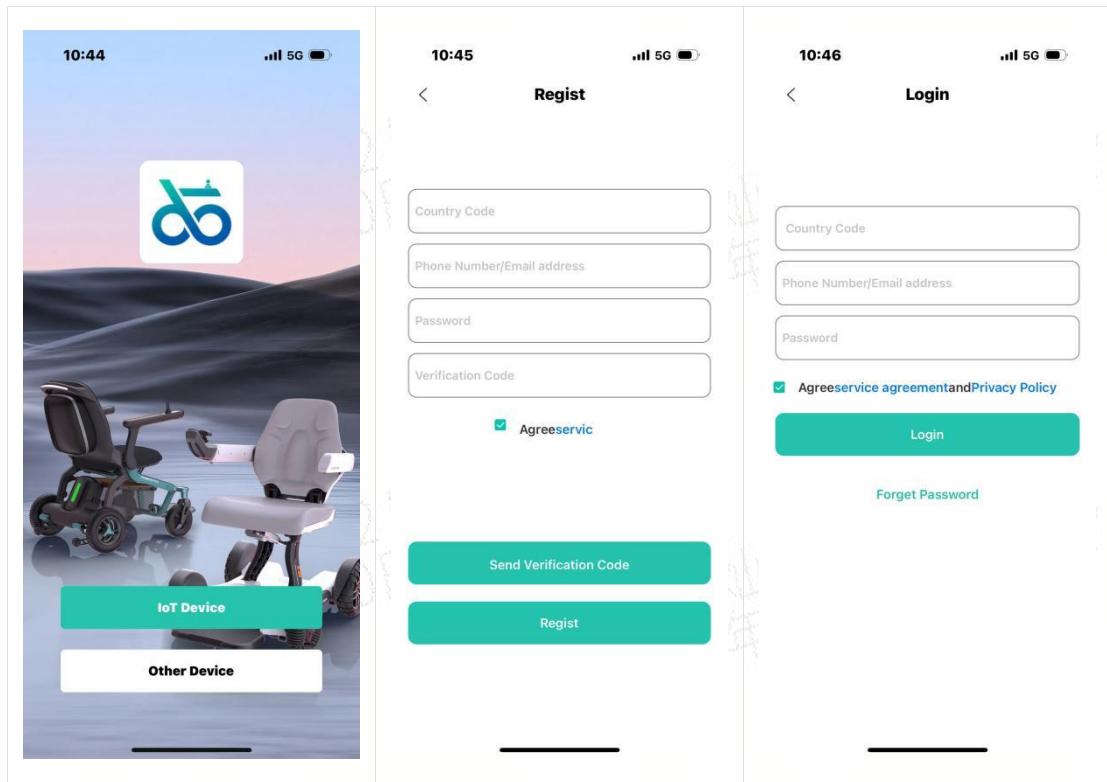
3) Open the app when the download finishes and start to use the App

8.1 APP Registration

After clicking Register, fill in the registration information and it will prompt that the registration is successful. (Use mobile phone number/email in China; use email in foreign countries)

After successful login, you can proceed to the next step of binding the device.

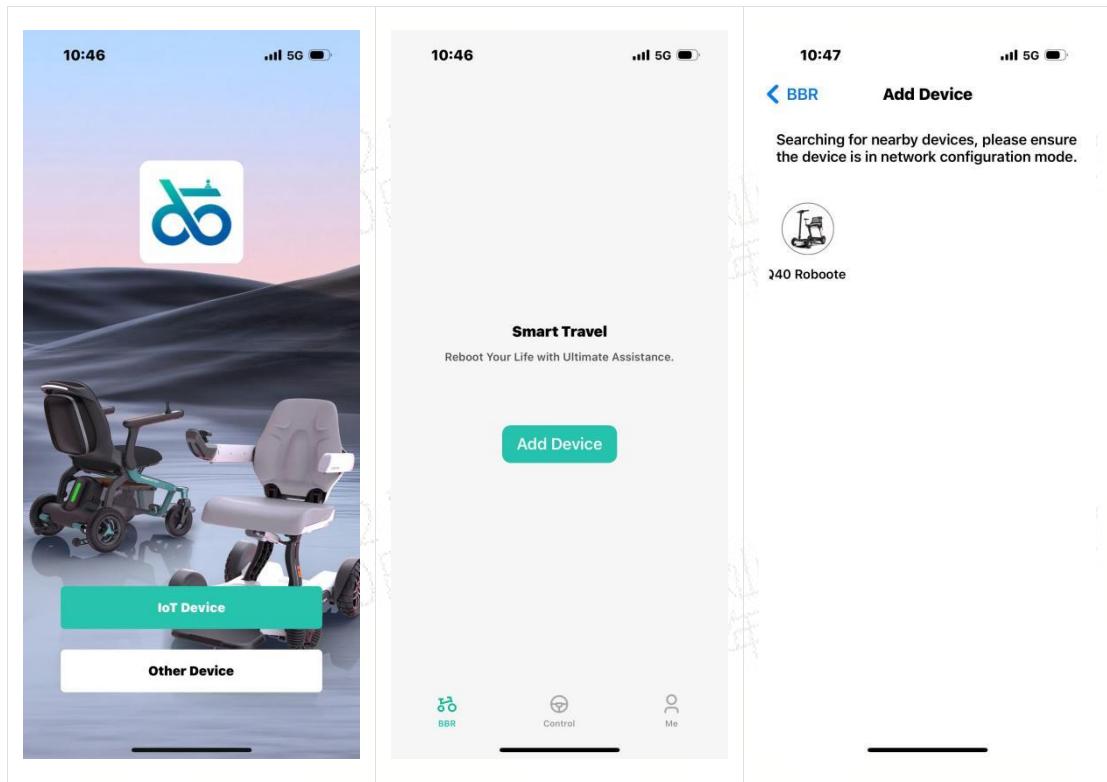
Reminder: The language of the APP automatically pairs to the language on the user's smartphone. The instruction below is an example using English as the default language on the smartphone. Currently the App supports English, French, German, Spanish, Italian, Korean, Japanese and Chinese



8.2 Pair and Unpair the Device

Please make sure your phone's Bluetooth is turned on. For Q series mobility scooters and IoT wheelchairs, select "IoT Devices" - "Add Device" to enter the device search page.

Select a device for binding. (**After the bound device is unbound, other users can re-bind, otherwise it cannot be searched**)



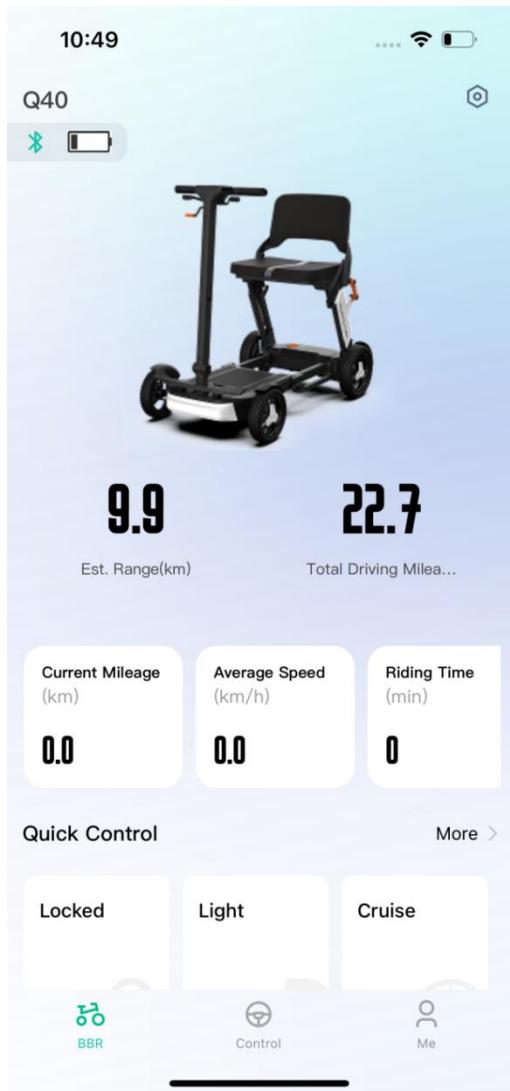
8.3 Home Page

8.3.1 Basic Information

Display the vehicle model bound to the display area, display photos of related models, and display common statuses (Bluetooth, battery level).

8.3.2 Shortcuts

- Click the lock/unlock button to turn on/off the P mode (Parking Mode)
- Click the Light button to turn on/off the front and tail lights
- Click the Cruise Mode button to turn on/off the cruise mode



8.3.3 More

Click the More button to access to more function

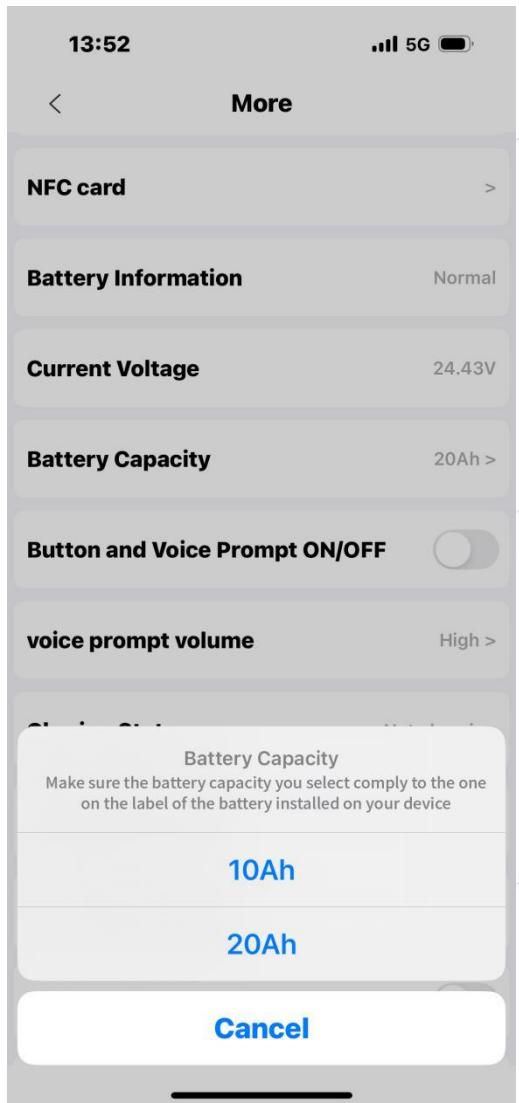


Unit Set	Km >
NFC card	>
Battery Information	Normal
Current Voltage	26.60V
Battery Capacity	10Ah >
Button And Voice Prompt ON/OFF	<input checked="" type="checkbox"/>
Button And Voice Prompt Volume	High >
Charing Status	Not charging
Language Settings	>
Gyroscope Settings	>
Wheel Movement Alarm	<input type="checkbox"/>
Slow Down When Turning	<input checked="" type="checkbox"/>
Slow Limit On The Slope	<input checked="" type="checkbox"/>
Unlock With NFC	<input checked="" type="checkbox"/>

Unit Set



- Battery Information to check the battery health status
- Current Voltage to check the battery voltage
- Battery Capacity allows you to choose 10AH or 20AH battery in the system to monitor the rest of the riding mileage. Make sure the battery capacity you select comply to the one on the label of the battery installed on your device

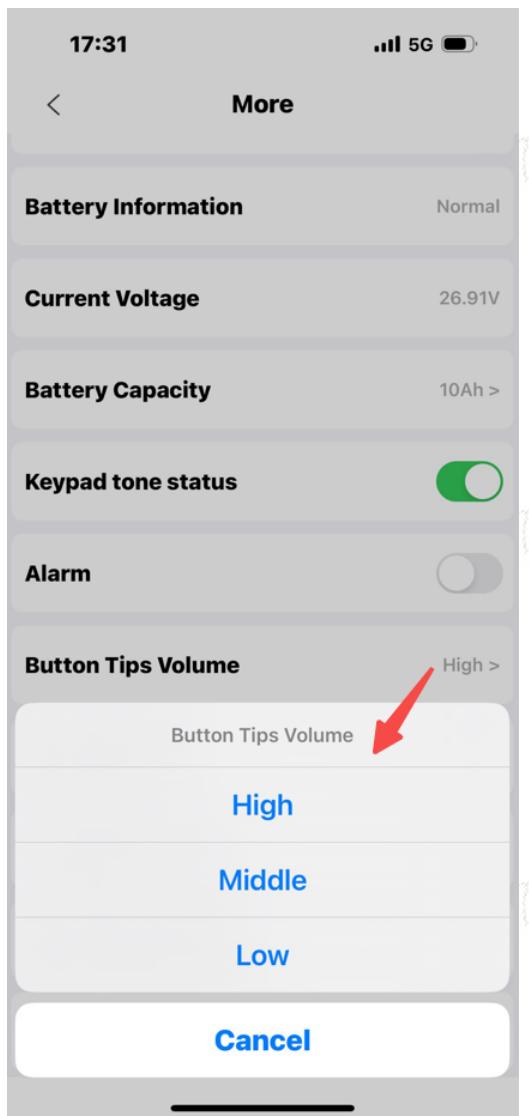


- Click the Prompt Tone ON/OFF button to turn on/off the button and voice prompt sound

The horn and the alert tone can't be turned off. Some voice prompt tones also can't be turned off as listed

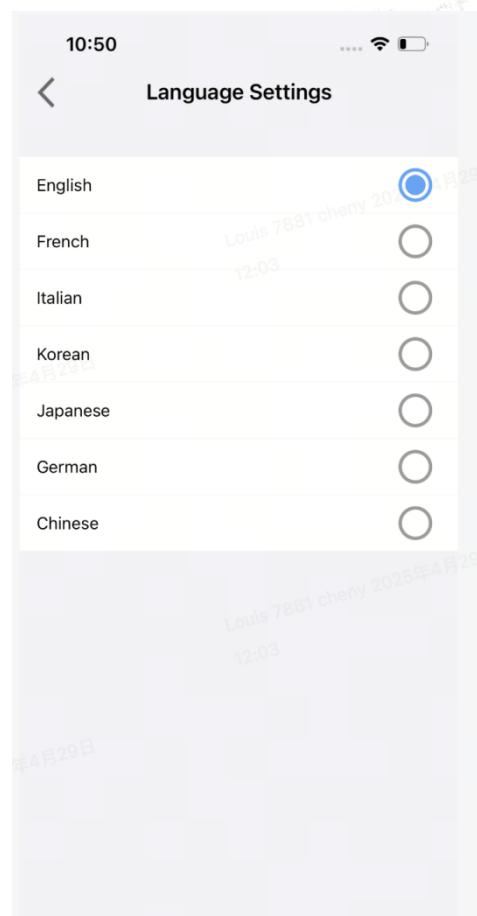
1. No riding while charging
2. Low battery. Please charge soon
3. Steep Slope. Please get off and push the scooter
4. Brake unlocked. Please engage it before riding.

- Click the Prompt Tone Volume button to choose the volume from high to low

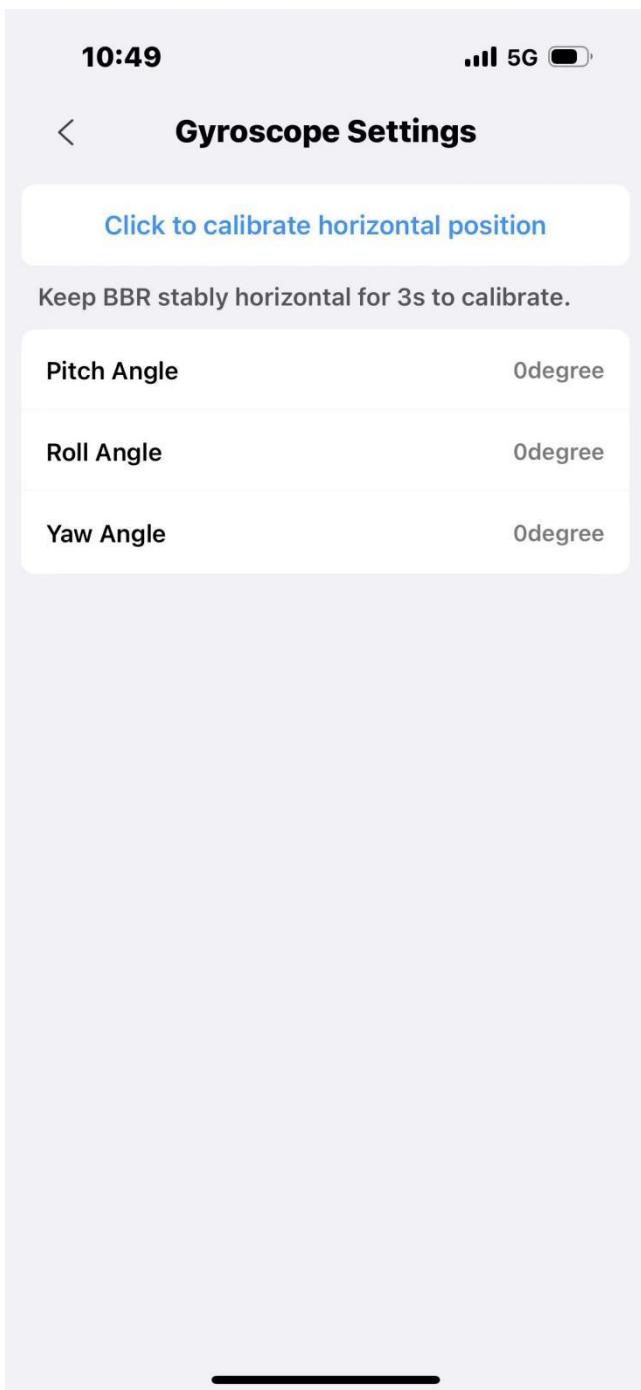


- Language settings

There are multiple languages for you to choose



- Gyroscope settings

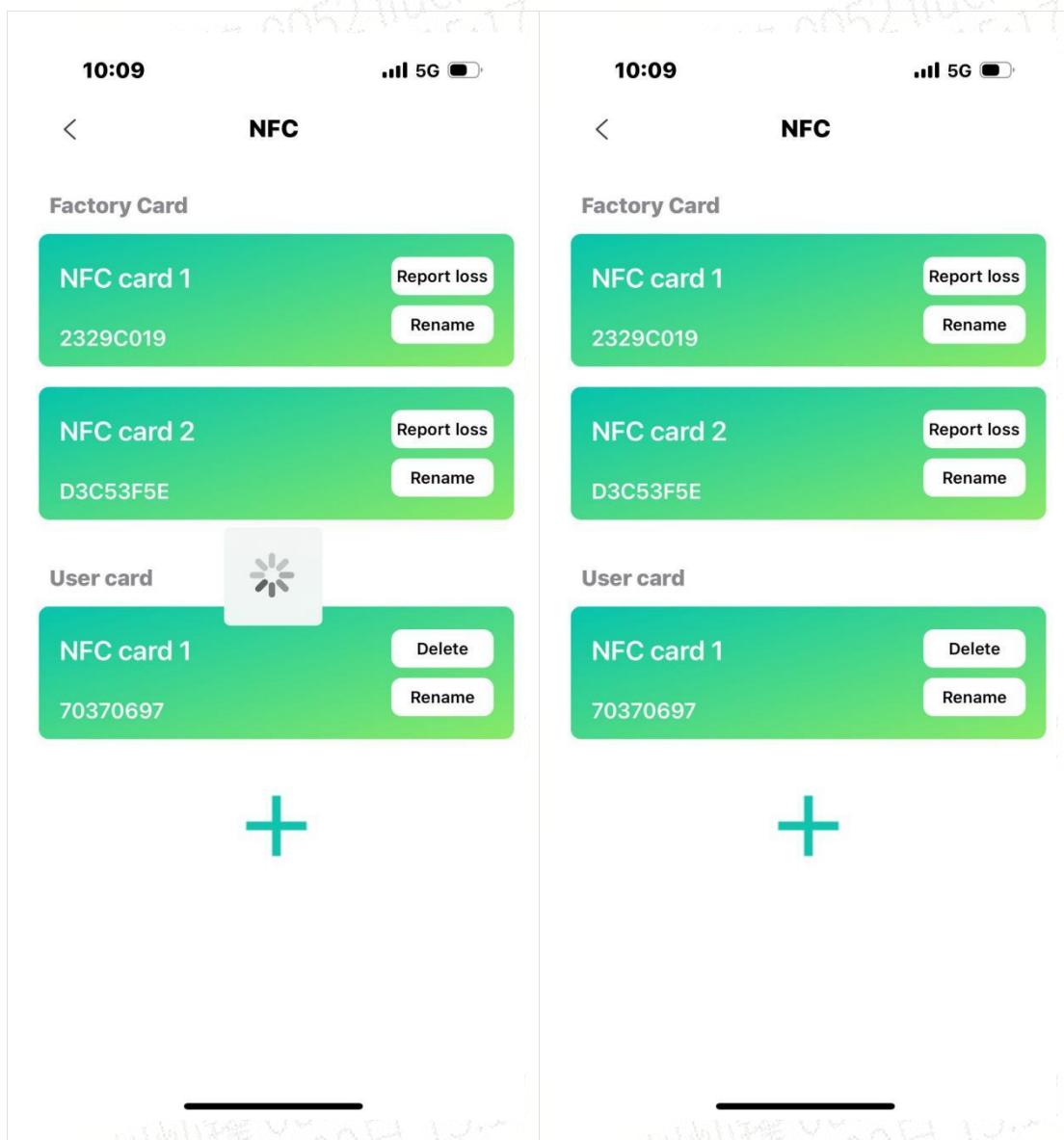


- Turn on/off the Wheel Movement Alert to engage the anti-theft mode. When the scooter is powered off, the alert will be activated if someone moves the scooter.
- Turn on/off the Turning Speed Limit to limit the top speed of turning under 6kph
- Turn on/off the Speed Limit on the Slope to limit the top speed on the slope of which the angle is over 10 degrees

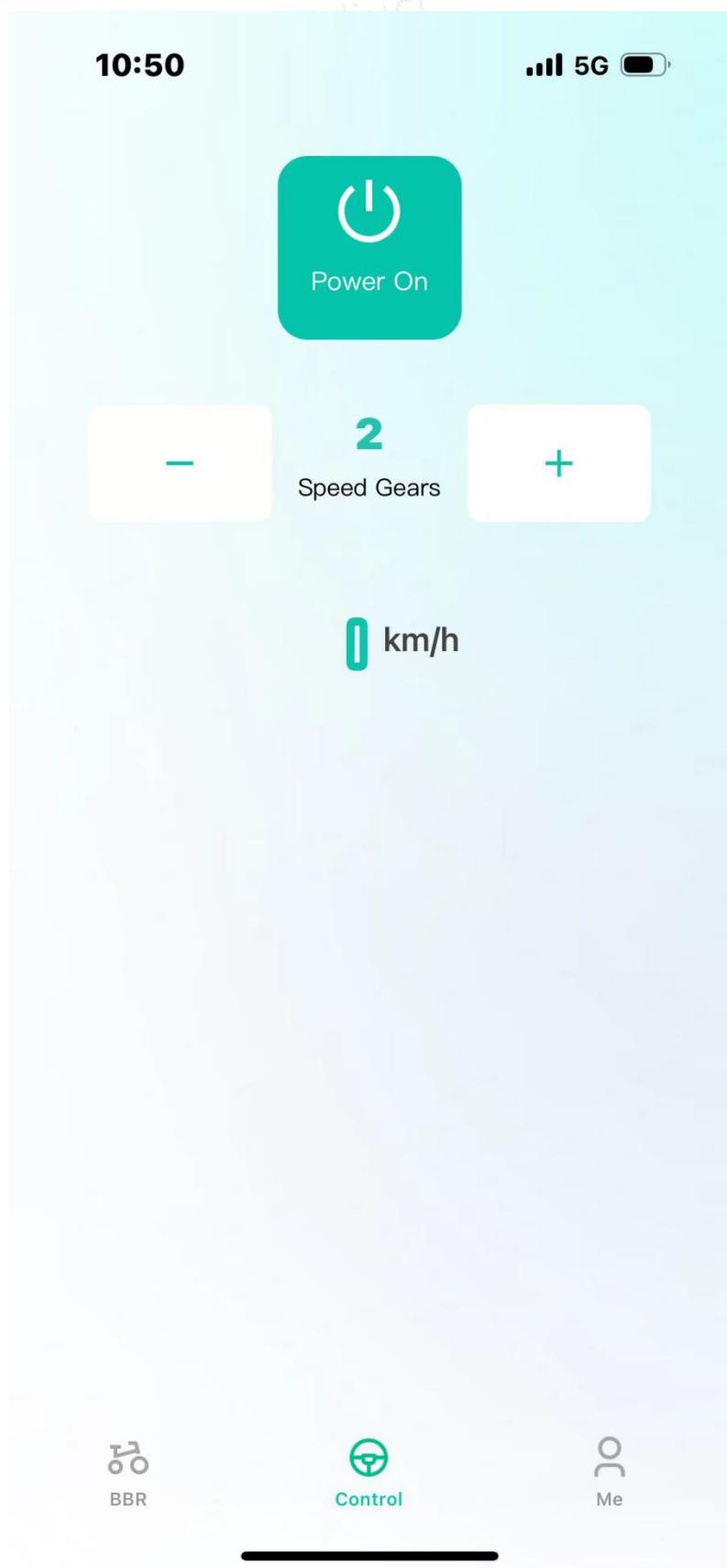
8.3.4 NFC settings

- It comes with two original factory cards when it leaves the factory. After reporting the loss, the original factory card cannot unlock the vehicle and cannot be replaced.
- Users can buy the blank NFC card on the market and add [user card] by themselves, click [+] at the same time, the car-side instrument panel enters a 15-second countdown, bring a blank NFC card close to the instrument panel, and the card will be registered after 2 seconds
- Users can use the registered NFC card to lock and unlock the scooter

The BBR-Q40-03 and BBR-Q40-04 doesn't equipped with the NFC card.



8.4 Control Panel



9. Cybersecurity

We recommend the user creates strong password for Mobile phone and App user account, to avoid illegal intrusion of equipment.

Please only update the App through google play (for Android phone) or App store (for iphone) at any time.

Please do not install Apps on jailbroken phones.

10. Wireless technology and related settings

10.1 Wireless functions description

The scooter can be connected by mobile phone via Bluetooth 5.0

10.2 Operating characteristics of Bluetooth wireless technology

Protocol: Bluetooth 5.0

Frequency: 2402MHz-2480MHz

Modulation Type: GFSK

Antenna Type: PCB Antenna

Antenna Gain: 3.37 dBi

RF Conducted Power: 3 dBm(without antenna gain)

Distance:<10 m

10.3 Wireless security measures

At the application layer, AES128 is used to re-encrypt the interactive data by hardware. The 128-bit initial password will be calculated by the feature code of the interactive parties according to the algorithm, and will be continuously updated and synchronized during the connection process. Since there are dynamic random change codes and sequence codes in the data, the actual data sequence of each communication is changing, and the real data will be seen after decryption. If the data is incorrect or the content verification is illegal several times, the connection will be interrupted and the blacklist will be added at the same time, until the coverage can be removed. Ensure that the signal is transmitted as expected.

10.4 Information about any wireless coexistence issues and mitigations

When using the mobile phone, try to keep other wireless devices away from the scooter, at least 2m away.

Risk of wireless related function (FWP) degradation could be: Lost of the Bluetooth control.

10.5 RF wireless communications information

Any changes or modifications not expressly approved by the party responsible for

compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with part 15 of the FCC Rules. This device contains Bluetooth Module complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Device FCC ID: 2BPS2BBR-Q40

Contains FCC ID: 2ANDL-BF6H-M

10.6 Wireless functions description

- a. Stay away from environment where the intensity of EM DISTURBANCEs is high.
- b. Does not operate device if performance is lost or degraded due to EM disturbances. The use of accessories and cables other than those specified or provided by manufacturer could result in increased electromagnetic emission or decreased electromagnetic immunity of the device and result in improper operation.
- c. During working, the use of the device adjacent to other device should be avoided because it could result in improper operation. In case such use is necessary, the device and other device should be observed to verify that they are operating normally.
- d. During working, Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12inches) to any part of the device, including cables specified by manufacturer. Otherwise, degradation of the performance of this equipment could result.
- e. WARNING: Common RF emitters nearby (radio-frequency identification (RFID)

readers, electronic security systems (e.g. metal detectors, electronic article surveillance), near-field communications (NFC) systems, wireless power transfer (WPT) and unique medical emitters such as electrocautery, MRI, electrosurgical units, and diathermy equipment) may produce EMI, please stay away from these devices as much as possible during use.

11. Lithium Battery and Charging

11.1 Basic information

Charger Model	FY-2942800
Charger Input	100-240V 50/60Hz 2.5A
Charger Output	29.4V 2.8A
Protection rating	IP20
Battery Model	Q40-BAT-NCM18650-24V10Ah (BBR-Q40-01, BBR-Q40-03, BBR-Q40-05) Q40-BAT-NCA21700-24V20Ah (BBR-Q40-02, BBR-Q40-04, BBR-Q40-06)
Battery Rated Capacity	10AH (BBR-Q40-01, BBR-Q40-03, BBR-Q40-05) 20AH (BBR-Q40-02, BBR-Q40-04, BBR-Q40-06)

A good understanding of lithium batteries and proper charging techniques can help extend battery life and reduce the risk of accidents.

WARNING: Risk of personal injury or death from fire if not properly charge the battery.

11.2 Lithium Battery

11.2.1 If you use the scooter daily, charge it as soon as possible after each use. Ensure the battery LED light turns to green which means the battery is fully charged.

11.2.2 If the scooter is used infrequently (once a week or less), charge the battery at least once a week for better maintenance. Charging should be maintained until the LED light turns to green

11.2.3 Lithium batteries must not be exposed to fire, submerged in water, overheated 55°C, subjected to violent vibrations or collisions, or short-circuited.

11.2.4 Avoid prolonged charging of the lithium battery.

11.2.5 Do not dispose of lithium batteries improperly. Please contact your dealer or the manufacturer for proper disposal.

11.2.6 After 600 charge-discharge cycles, the battery capacity shall not be lower than 80% of the rated capacity.

11.3 Battery Charging

11.3.1 Post-Use Inspection

After using the scooter, check LED display on the control panel to determine if the battery requires charging.

This electric scooter can be charged using a charger with an output of 29.4V DC at 2.8A. For your safety, always use the specialized charger provided by the manufacturer.

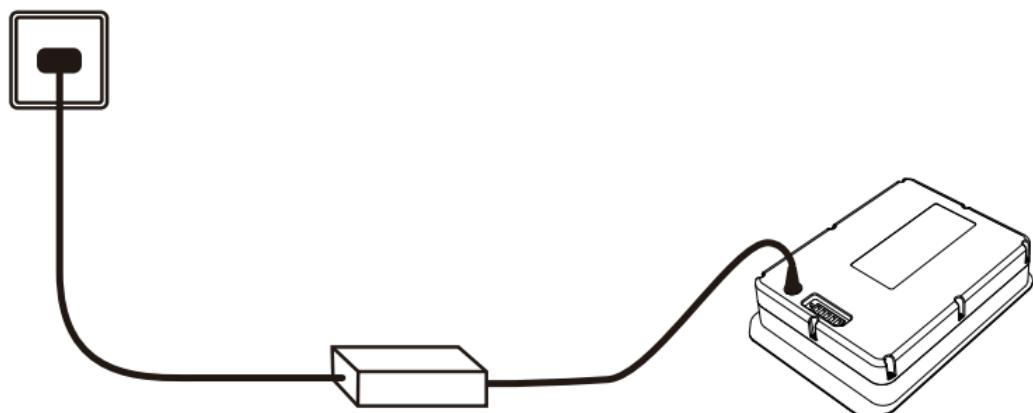
11.3.2 Charging Process

Initial Charging

It is not necessary to charge the battery before first use. Begin charging when the LED indicator shows red. The same approach should be followed for the second and third charges. This practice extends the battery's lifespan and prevents the development of charging memory in the lithium battery.

Charging Methods

Remove the battery box and charge it separately. (Charging Method I)



Charge directly through the tiller port on the control panel. (Charging Method II)



Caution: If the lithium battery is fully charged, verify the status using the indicator on the charger. Refer to the chapter “7.3 Charger” for details about the charger indicator. The battery gauge on the display of the scooter does not indicate full charge; the charger indicator turning green confirms that the battery is fully charged.

Caution: For safety, keep the charging area away from fire and avoid smoking nearby.

Caution: Do not touch the plug with wet hands, and do not use a wet plug for charging.

Caution: When charging, protect the equipment from rain, dew, and direct sunlight. Charging should be done in a well-ventilated area.

11.4 Charger

The charger indicator has two states:

1. Red indicator: Power is on and the battery is charging.
2. Green indicator: The battery is fully charged. Or the power adapter is unplugged

when it's charging.

Please ensure that the scooter is equipped with safety circuits that prevent it from being operated while charging. If the scooter does not function properly after charging, verify that the battery charger is fully disconnected from the charging terminal. The charger should be stored in a dry environment with temperatures ranging between 0~45 degrees Celsius, and must be protected from mechanical damage. Under no circumstances should the charger be repaired by anyone other than an authorized dealer or the manufacturer.

Caution:

1. Users should read the instructions before attempting to use the battery charger.
2. The battery charger is intended for indoor use and is not to be exposed to rain or other sources of moisture (unless the environmental protection rating of the battery charger is at least IPX4).
3. Explosive gasses can be generated while charging, so the wheelchair and battery charger are to be kept away from sources of ignition, such as flames and sparks.
4. Charging is carried out with the wheelchair in a space at least twice its volume, with sufficient ventilation that there is no hazard due to build-up of flammable gas.
5. Only batteries of the specified type and capacity are to be charged.
6. Off-board battery chargers are not to be carried on scooters.
7. Do not charge the battery while the brakes are released. There is a risk that the device may move, causing an accident.
8. Only use the original charger provided. Using non-approved chargers will void the scooter warranty and can cause significant damage to the battery or the scooter. Inappropriate chargers may even pose a fire hazard.
9. The charger's input voltage is limited to standard urban electrical frequencies. Do not use it with power sources that exceed this voltage.
10. The charger must not be used in conditions of high humidity or extreme heat.
11. The charger includes an automatic protection feature, so no special attention is needed during charging. Once the battery is fully charged, the charger will automatically stop charging, eliminating the need to unplug it immediately. However, do not leave the charger connected to the scooter for extended periods, generally no longer than 5 hours.

12. Maintenance

12.1 Cleaning the Scooter

Steps1: The seat cushions and backrest cushions are detachable and the covers can be washed by using water and a mild detergent.

Steps2: Wash the fender and wheels with water, then wipe them with a dry towel to make the surfaces dry.

Steps3: Wipe the pedal plate , armrest and control panel with a wet towel, then wipe them with a dry towel to make the surfaces dry.

Steps4: Visually inspect the surface of the device for dirt or stains. If any dirt or stains are present, repeat steps 1, 2 and 3 until the surface is clean.

That resistance to ignition can change with use, ageing, and/or cleaning

That precautions should be taken to avoid sources of ignition, including flames, cigarettes, etc.;

That the environment (such as oxygen, alcohol, etc.) of the user can increase the risk of ignition;

12.2 Disinfecting the Scooter

Disinfect the handles and armrests using a cloth or disinfecting wipe dipped in 75% medical alcohol, then dry them immediately. Doing this once a week is sufficient.

Caution:

1. Do not use high-pressure cleaners or splash water on the scooter.
2. Avoid using volatile chemical solvents such as high-concentration alcohol, ether, strong acids, or banana oil. Also, do not use gasoline, kerosene, abrasive waxes, sponges, or brushes.
3. Always turn off the power during cleaning, disinfection, and maintenance.
4. Ensure all parts are completely dry before using the scooter after cleaning or disinfection.

12.3 Instructions for Reuse

Before reusing the scooter, check the maintenance list of following:

Battery Status: Ensure the battery is charged.

Wheels/Tires Condition: Remove any debris such as wires, hair, sand, or carpet fibers from the tires. If the tires are worn, contact your specialist dealer for replacement. Inspect the control panel and cables for any damage like frayed, broken, or exposed wires.

Tiller Tightness: Ensure the tiller is securely tightened.

Seat and Backrest Condition: Inspect for dents, damage, or tears. Replace if necessary. Contact your specialist dealer for repairs or parts replacement.

It is recommended that your mobility scooter be inspected and serviced at least once a year, or more frequently depending on usage. The minimum maintenance schedule should be determined in consultation with your specialist dealer. Ensure the scooter is stored in a dry environment to prevent mildew and damage to the upholstery. If the scooter will be stored for an extended period, the battery should still be charged weekly.

12.4 Inspection, Service, and Maintenance

12.4.1 Daily Inspection

- a. Check for any deformation or damage to the throttle control lever.
- b. After turning on the power, verify if the scooter needs charging.
- c. Ensure the brakes are functioning before driving.

12.4.2 Weekly Inspection

- a. Confirm that the power is off before inspecting.
- b. Check if the throttle control lever is loose or broken.
- c. Wipe down the scooter with a soft, damp cloth, taking care not to wet the electrical components.
- d. Ensure the throttle control lever returns to the center position after being released.

12.4.3 Monthly Inspection

- a. Inspect the battery and clean the connectors if necessary.
- b. Check the electrical system and ensure all connectors are secure.
- c. Verify that all fasteners are tight.
- d. Inspect the front and rear tires for shaking, cracking, or wear.
- e. Ensure the throttle control lever returns to the center position after being released.

12.4.4 Annual Inspection

Have a technician at the dealership perform a thorough inspection of your scooter.

12.5 Reuse After Inactivity

If the scooter has been inactive for a long time, clean, disinfect, and maintain it according to the guidelines in sections "12.1, 12.2, and 12.3." Inspect the motors, batteries, and chargers to ensure there are no issues.

12.6 End of Use

This symbol indicates that your product should be disposed of separately from household waste in accordance with local laws and regulations. At the end of its life, take the scooter to a designated recycling facility. Proper sorting and recycling help conserve natural resources and ensure the product is recycled in an environmentally responsible manner.

Recycling of each component should be handled by an authorized recycling organization in accordance with local laws and regulations. Plastic parts, as well as the frame and pipe components, should be given to professional recycling units for proper disposal once the scooter is no longer in use.

13. Transportation and storage

- a. Ambient temperature range: -5°C~ 45°C
- b. Relative humidity: ≤65%;
- c. Atmospheric pressure range: 80kPa ~ 105kPa;
- d. Can be transported in general transportation.

14. Common faults and Treatment

The controller is equipped with a diagnostic program that identifies and troubleshoots issues. Users can attempt the following methods to address the problem. If the issue persists, please contact the manufacturer or dealer for assistance.

Error Priority	Error Code	Error Reason
----------------	------------	--------------

1	A1	Controller communication error
2	A2	Bluetooth communication error
3	A3	Malfunction of the button on the display
4	C1	Malfunction of the left throttle lever
5	C2	Malfunction of the right throttle lever
6	C3	Power tube error
7	C4	Hall Error
8	C5	Temperature protection
9	C6	Brake error
10	C7	Electric gyro error
11	C8	Motor stall
12	C9	Over voltage
13	CA	Low voltage
14	CC	Over Current

15. Warranty

To ensure your rights and receive quality after-sales service from our company, please carefully review this chapter.

15.1 Scope, Coverage, and Duration of Warranty

15.1.1 Scope of Warranty

If you purchase the product from an authorized dealer or directly from the manufacturer, use it according to this instruction manual, and have it serviced at a designated maintenance center during the warranty period, the manufacturer guarantees to repair or replace parts due to product quality issues caused by materials or manufacturing defects.

15.1.2 Coverage and Duration of Warranty

Starting from the date of the purchase date:

- The main frames are covered for 24 months
- The electric parts are covered by 12 month

The vulnerable parts are out of the warranty period

In general, the consumer is responsible for any losses.

15.2 Conditions Exempt from Warrant Coverage

The warranty does not cover quality issues resulting from the following conditions:

1. Failure to operate the scooter according to the instruction manual or due to other human factors.
2. Repairs not performed at a company-designated service center.
3. Expiration of the warranty period.
4. Use of parts from other manufacturers.
5. Exceeding the maximum weight capacity (136 kg, 300 lbs).
6. Structure or components are modified by the user
7. Damage caused by events beyond control, such as typhoons, floods, fires, earthquakes, wars, etc.

Maintenance of Records

Maintenance records			
Date	Issue	Caused	Remark

Name:	
Address:	Telephone:
Product name:	Barcode:
Purchasing date:	
Warranty period: (Except for wearing parts), Others show in the instruction manual.	

Note: Please complete warranty registration with your dealer within one month of purchase. This card is only valid when stamped by the dealer or manufacturer, and the warranty service will be provided upon presentation of this card.

16. Disclaims

The Robooter Q40 Product Manual is the intellectual property rights of Jiangsu Bangbang Intelligent Technology Co., Ltd. (hereinafter referred to as "the Company"); The copyright belongs to the Company. This product (including accessories and software design) is developed or produced by the Company, and the intellectual property rights and the property rights shall belong to the Company. Without the written permission of the Company, it is not allowed to copy, extract or translate any content of this manual and the content herein.

The Company compiles Robooter Q40 Product Manual with the responsible attitude. However, the Company does not guarantee its accuracy. Robooter Q40 Product Manual is a technical document, without any content of insinuation or alluding to third parties. The Company undertakes no responsibilities for the misunderstanding of the users due to printer's error. The Company does not take any responsibility for it. All the products of Jiangsu Bangbang Intelligent Technology Co., Ltd. used by the users shall be operated strictly in accordance with Robooter Q40 Product Manual and the official web of the Company (<https://www.robooter.com>). During use, it is not allowed to violate the prohibited items indicated in the Product Manual. If the users or the third parties fail to operate strictly in accordance with the Robooter Q40 Product

Manual or operate by violating the prohibited items indicated in Robooter Q40 Product Manual, resulting in personal injuries or property damages, the corresponding legal responsibilities shall be undertaken by specific executors.

The products of the Company are improved and updated constantly. The users shall log on the official web of Jiangsu Bangbang Intelligent Technology Co., Ltd. to inquire the operating instructions and the updating information of operating conditions, or ask the dealers for the updated Product Manual. The Company reserves the right of modifying the RobooterQ40 Product Manual without further notice.

17. MedWatch

MedWatch is the Food and Drug Administration's (FDA) program for reporting serious reactions, product quality problems, therapeutic inequivalence/failure, and product use errors with human medical products, including drugs, biologic products, medical devices, dietary supplements, infant formula, and cosmetics.

If you think you or someone in your family has experienced a serious reaction to a medical product, you are encouraged to take the reporting form to your doctor.

Your health care provider can provide clinical information based on your medical record that can help FDA evaluate your report.

However, we understand that for a variety of reasons, you may not wish to have the form filled out by your health care provider, or your health care provider may choose not to complete the form. Your health care provider is not required to report to the FDA. In these situations, you may complete the Online Reporting Form yourself.

You will receive an acknowledgement from FDA when your report is received.

Reports are reviewed by FDA staff.

You will be personally contacted only if we need additional information.

Submitting Adverse Event Reports to FDA 6 of 16 Use one of the methods below to submit voluntary adverse event reports to the FDA:

Report Online at [www.accessdata.fda.gov/scripts/medwatch/index.cfm? action=reporting.home](http://www.accessdata.fda.gov/scripts/medwatch/index.cfm?action=reporting.home) Consumer Reporting Form FDA 3500B.

Follow the instructions on the form to either fax or mail it in for submission.

For help filling out the form, see MedWatchLearn. The form is available at www.fda.gov/downloads/aboutFDA/reportsmanualsforms/forms/ucm349464.pdf

Call FDA at 1-800-FDA-1088 to report by telephone.

Reporting Form FDA 3500 commonly used by health professionals. The form is available at www.fda.gov/downloads/aboutFDA/reportsmanualsforms/forms/ucm163919.pdf

18. Contact Information

Manufacturer: Jiangsu Bangbang Intelligent Technology Co., Ltd.

ADD: Building 1, No.2 Hongren Road, Tianning District, Changzhou, Jiangsu, 201300, China

Tel: 00862137777720

Email: info@bangbangrobotics.com

Website: <https://www.robooter.com>

Revision data: 2025.04.22

File No.: BBR-Q40-01(FDA), Rev: V1.0