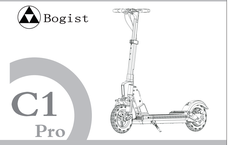
Electric scooter

User manual

Bogist

C1 Pro



Dear users, please do not use electric scooters before reading the User Manual carefully and understanding the performance of electric scooters, and keep the User Manual in a safe place.

Preface

Dear customers:

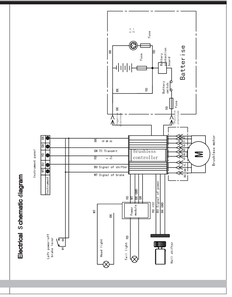
Thank you for using the electric scooter designed and manufactured by our company. If you have such an electric scooter in the life, you will have a personal understanding of powerful function, excellent performance and good quality of our electric scooters, and the technology will make you more relaxed and happier.

Thank you for your concern and great kindness, your support plays an indispensable role for the development of our company. Our company adheres to the concept of "Tech Life for Freedom", integrates high technology into fashion life, and uses innovative spirit to lead life style. Our company establishes the corporate philosophy of high technology, safety and happiness, adheres to the principle of customers first, and takes excellent product quality and service as the fundamental for survival.

At the same time, our company is committed to environmental protection and energy-conservation, independently develops innovative products, and constantly explores the wider application of green energy in daily life. We are willing to become the pioneers to construct a free and better life with the power of science and technology.

In order to serve your better, please read the User Manual carefully before using the scooters, do not use the scooters before you understand the performance of lithium battery scooter, and please keep the User Manual in a safe place.

Electrical Schematic diagram



Warranty Card

Scooter model and color _____ Date of purchase _____

Name of seller _____ Address of seller _____

Frame No. _____ Motor No. _____

Repair records

Warranty Card

Repair records

CATALOGUE

Preface
Catalogue ——1
Warnings ——2
Product Parts ——3
Parameters ——4
Check Packing Contents ——5
Install the Electric Scooter ——6-7
Use the Electric Scooter ——8-13
Maintenance ——14
Warranty Policy ——15
Warranty Card ——16

Warnings

For your safety, please read the User Manual carefully before using C1 Scooter, in order to ensure that you can ride C1 Scooter under the correct guidance.

- Improper operation and potential danger may be caused to your electric scooter if you dismantle the scooter at will.
- You should not ride the electric scooter on uneven roads, rails, cobblestone pavement or stairs, in order to avoid bitwear, tire deformation or damage to your electric scooter.
- Before riding, you should check and confirm that brakes, saddles, frame, handlebar and tire connection are firm and reliable, and the tire pressure is sufficient and normal.
- It is forbidden to impact oil stain brake disc, brake shoe and so on, in order to avoid the danger resulting from brake failure.
- The rider should not hang heavy weights on the handlebar when riding, in order to avoid unnecessary accidents resulting from out-of-control operation.
- One scooter is suitable for one rider to ride because energy carried is limited, and riding under the circumstance of overweight may cause hidden dangers.
- It is forbidden to use mobile phone or hold an umbrella with one hand when riding on rainy days, please consciously abide by traffic regulations when riding.
- Please wear a helmet and other protective gear when riding, and pay attention to the riding safety.
- Batteries should be kept away from source of fire, flammable & explosive sites, and corrosive objects.
- Do not disassemble the battery container without authorization.
- It is strictly forbidden to use wires or conductors to short-circuit positive and negative electrodes of the batteries, so as to avoid unnecessary danger and damage of batteries.
- Batteries must be handled gently to avoid falling, damaging the container, or the accidents.
- It is prohibited from disassembling or decomposing the charger specially used for the batteries at will.
- Battery charging should be carried out in a dry and ventilated environment and kept away from damp or flammable & explosive environment.
- The places where the batteries are charging should be far away from areas where children play.
- Both the charger and the battery container should not be covered with anything, in order to avoid the damage of charger and battery which is caused by poor heat dissipation.

★According to relevant standards, in case of damage, the power supply cord of the adapter (the scooter charger) must be replaced by the professionals of the manufacturer, its repair department or similar departments, in order to avoid danger.

The following interpretation is applicable in the whole User Manual, please pay special attention to "Cautions" and "Warnings".

Cautions	Cautions refer that matters to which the users should pay attention and related methods of use
Warnings	Warnings refer that your misconduct will threaten your personal safety.

Warranty Policy

If one of the following problems occurs during the warranty period, the product distributors will provide the after-sales service subject to the Certificate of Quality Guarantee:

Parts	If one of the following problems occurs during the warranty period	Warranty period	Service
Motor	It is damaged, does not start normally, or cannot be used	One year	Repair free of charge
Instrument accelerator	It cannot be used under natural conditions (except damage by external factors)	Six months	Repair free of charge
Controller	It cannot be used under normal conditions, except for water intake.	Six months	Repair free of charge
Charger	Faults occur under normal conditions, except for water intake.	Six months	Repair free of charge
Batteries	It cannot be used under normal conditions, except for water intake.	Six months	Repair free of charge
Body of scooter	It deforms or breaks under normal use conditions, and cannot continue to be used	One year	Repair free of charge

Note: "Repair free of charge" in the warranty period which is promised herein means the exemption of labor costs for repair, excluding freights incurred in sending for repair and returning after repair, express fees, fittings costs and other costs.

Please keep the Warranty Card and the invoice, which can be used as after-sales vouchers, in a safe place.

For man-made damages and faults, the following circumstances do not fall within the scope of warranty.

1. Faults are caused because the user fails to use, maintain and/or adjust as required in the User Manual.
2. Damage is caused because the user refits and/or disassembles the scooter by himself/herself, and faults are caused because the user does not obey the use rules.
3. Faults are caused due to improper custody or accidents.
4. There is no warranty card or there is inconsistence between invoice, warranty card and material object.
5. Appearance damage after use does not fall within the scope of warranty.
6. If not disassembled by the user, which are beyond the scope specified in the User Manual, are used.
7. Damage is caused because the user rides in the rain for a long time and/or the scooter is soaked in water.

Maintenance

Lubrication

A small amount of lubricating oil or lubricant should be used in the sleeve of the folding pedal axle every six months for the purpose of maintenance.

Tire

Tires should be replaced in case of obvious wear or tear, and can be replaced at repair points.

Brake

Before riding, it is necessary to check whether the brake is normal. If the braking performance is still poor after the brake cable is adjusted or if the brake has abnormal sound, it is necessary to buy brake pads from the product distributors for the purpose of replacement.

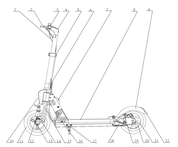
Batteries

Batteries for the scooter have a service life; the battery capacity will gradually decrease with the increase of the number of charges and discharges - it is a normal phenomenon.

Common faults and troubleshooting methods

Fault	Diagnosis	Troubleshooting
There is no signal on the panel, or the motor does not run.	Power switch is not turned on, or the batteries are damaged	Turn on the switch, or repair the batteries at repair stations
	The service life of batteries is over, or circuit is broken	
Motor runs occasionally or does not run occasionally	Circuit connection is poor	Maintain and repair the circuit
OD is short after battery charging	The service life of batteries is over	Batteries are replaced
	There is mechanical fault	Brakes should be checked and adjusted
Batteries can't be charged or charged fully	Batteries are damaged	Replace batteries
	The charger is damaged	Replace the charger
	There is loose contact of the connector of the charger	Replace the connector of the charger
The components of the controller burn out	There is water, short circuit or burn-out in the controller	Replace the controller

Product Parts



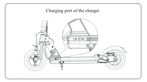
Code	Part	Code	Part	Code	Part	Code	Part
1	Rear brake cable	7	Foldable pedal	13	Front rim	19	Brake cylinder
2	Rear brake lever	8	Bottom plate of frame	14	Rocker arm of front shock absorber	20	Brake disc
3	Thumb shifter	9	Rear fender	15	Front fork	21	Motor
4	LCD panel	10	Head combination light	16	Charging port	22	Tail light
5	Quick release buckle	11	Tire	17	Side support		
6	Stem catcher	12	Front shock absorber	18	Rear shock absorber		

Parameters

Product specifications	Overall dimension (unfolded) L*W*H	1200*690*1130mm
	Overall dimension (folded) L*W*H	1200*600*430mm
	Central distance between front wheel and rear wheel	940mm
	Scooter net weight (corresponding capacity)	20-23kg
	Scooter gross weight (corresponding capacity)	27-30kg
Product performance	Max. load	120KGS
	Max. speed	About 11KM/A
	Grade ability	≤15°
	Endurance OO	35±(0)(2)(3)
Battery parameters	Battery type	Lithium ion battery
	Nominal voltage	48V
	Battery capacity (optional)	6P7.5Ah/10Ah/20Ah
Motor parameters	Motor type	Brushless DC motor
	Rated output power	500W
	Max. idle speed	350±10r/min
Charger parameters	Input voltage	AC110-240v
	Output voltage	54.6V
	Charging time	5±(3)h
Controller parameters	Power consumption of single duration of charging	≤1 kilowatt-hour
	Under-voltage protection value	40±1V
	Overcurrent protection value	15±2S ±1A
Safety performance	Materials of frame	Aluminum alloy
	Rocker arm fork	Steel
	Shock absorber	Cylinder shock absorber
	Disc brake	Rear disc brake
	Front tire and rear tire	10*2.70-6.5

Instructions for use of charger

The charger of the scooter is an external special charger. Firstly, the plug of the charger is inserted into the charging port of the electric scooter. The charging port is located at the left front bottom of the pedal, and then the plug of the charger is inserted into the power supply.



Charging port of the charger

For safety reasons, the following instructions for use should include the following:

The damaged power supply cord must be replaced by the professionals of the manufacturer, its repair department or similar departments, in order to avoid danger.

01 Charger indicator is red - batteries are charging.

02 Charger indicator is green - charging is completed.

03 Long-term dead battery or long-term battery charging should avoid.

04 In order to optimize the battery performance of the scooter, the scooter should be charged once every other month (for 4-9 hours) if the scooter is not used for a long time.

05 The electric scooter should be powered off before installation, removal of batteries or maintenance.

06 Do not attempt to open the battery, do not attempt to open or insert the battery with anything.

07 The charger specially used for the scooter should be used.

08 The removal of batteries and the carrying of electric scooter should done in permitted circumstances and comply with national requirements.

Use for the first time

Beginner's guide

01 Press the key of ON, and hold the steering handlebars with both hands.

02 Step on the pedal with one foot, look straight ahead, and step on the ground with the other foot, in order to start moving and to give the scooter an initial speed; use the thumb to adjust the thumb shifter, in order to speed up slowly.

03 Put the left fingers on the brake lever, and press the brake lever forcefully, in order to slow down or stop a running C1 scooter.

04 The rear wheel disc brake system is used, and the front wheel is not equipped with the brake for safety reasons.

05 After the brake starts, the automatic power-off function of the brake works, and the accelerator cannot work.

Note: The default of C1 scooter is non-zero start. When the customer sets the zero start by himself, he need not step on the ground with one foot and can speed up directly.

Operation instructions for batteries

01 Do not operate the scooter or rotate the motor when charging.

02 The electricity indicator on the panel just shows the quantity of electricity roughly.

03 When the batteries are full, C1 scooter should not be laid aside for a long time (more than 2 months).

04 When riding an electric scooter, the best use way is to release the power to the state in which the tail grid flickers and the exclamation mark flashes, then to slow down and to stop.

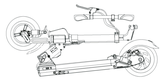
Do not use batteries in any of the following circumstances:

01 When the batteries are damaged.

02 When abnormal odor and heat are released, or

03 When any leakage occurs.

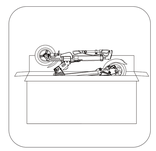
Check Packing Contents



The following parts are packed in the packing box; in case of any loss, please consult with the seller.		
Standard	Scooter	1
	Charger	1
	Tool kit	1
	Certificate of Quality	1
	User Manual	1

Install the Electric Scooter

Open the packing box, take out the inner bracket which is used for fixing the scooter, check whether the items are complete or not. In case of missing items, please consult with the seller.



1. Take out the electric scooter from the packing box

Safety Instructions

This scooter is a kind of technological product and used for riding instead of walking. The unpredictable damage may be caused if you do not know the standard operating procedures.

The User Manual explains in detail how to ride the scooter correctly to the users who use the scooter for the first time, and makes a list of cautions. The users should read the User Manual carefully and ride the scooter as required.

Cautions	1. It is necessary to check whether the parts of C1 Scooter are firmly installed and undamaged. 2. The braking function should be good. 3. The folding mechanism is locked. 4. Power supply is adequate. 5. Tires are intact. 6. Whether the handlebars are fixed or not, if there is loosening, tighten the screw. 7. You need to find an open and flat space for practice, regardless of indoor and outdoor. 8. You should have a thorough understanding of the surrounding riding environment, to ensure that you are not disturbed by cars, pedestrians, pets, bicycles and other obstacles. 9. You need an assistant, who is skilled in using C1 Scooters and well knows all cautions and riding methods in the User Manual.

Before riding a scooter safely, you need to do a lot of practice to master riding skills. It may cause personal injury or property loss to the rider or a third party if the riding is unskilled or you fail to use the scooter as required in the User Manual. Our company is responsible only for product failure or damage, rather than for any personal injury or property loss related to the use of the scooter.

Warnings	1. Before riding, you must wear helmet, gloves, elbow protectors, knee protectors and other protective articles to prevent accidents. 2. It is forbidden to ride on bumpy and slippery roads, such as un-surfaced roads, cobblestone roads, or roads covered with ice, snow or water. 3. It is forbidden to ride on the uphill and downhill slopes over 15 degrees. 4. It is forbidden for minors under the age of 15 and elderly people over the age of 60 to learn to ride the scooter. 5. It is forbidden to ride by persons who are under the influence of drugs or alcohol and/or whose ability to move and react is limited. 6. It is not recommended to ride in the cold winter in the north. 7. It is forbidden to ride on rainy days. 8. It is forbidden to ride in inappropriate situations caused by the rider's own reasons or other objective factors.

3. In case that ⚠ lights up in the display area of fault status, the current fault information will be displayed in the multifunctional display area. The figures represent the corresponding fault as follows:

ERRO 1	Motor fault
ERRO 2	Shifter malfunction
ERRO 3	Controller failure
ERRO 4	The brake lever is powered off
ERRO 5	Undervoltage protection
ERRO 6	Communication failure, the panel cannot receive the output of the controller
ERRO 7	Communication failure, the controller cannot receive the output of the panel

4. Speed display area

Unit: MPH/ KM /H

The speed signal comes from the Hall signal of the motor, and is transmitted to the panel through the controller.

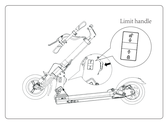
5. Gearing display area

Five seconds after poweron, press the key of ON/OFF shortly to switch the gear circularly. The higher the gear is, the faster the speed is. The default is low-speed ECO.

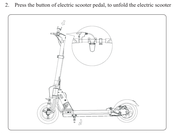
6. Headlight display area

Headlight on/off is controlled automatically, and need not to be operated through the external button.

7. Cruise display area



2. Press the button of electric scooter pedal, to unfold the electric scooter



3. Open the side support of the electric scooter, and fix the steering handlebar

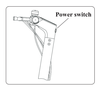
Use the Electric Scooter

Beginner

01 Straighten the head of the scooter, and adjust the body and the handlebar of the scooter in order to ensure riding comfort.

02 Turn on the power switch, press the switch (for 1-3 seconds) and then release, LCD panel is powered on; slowly press the switch (for 1-3 seconds) and then release, LCD panel is powered off.

Power switch



Operation instructions of power switch

1. Turn on the power switch, press the switch (for 1-3 seconds) and then release, LCD panel is powered on - it means the successful poweron.
2. Within 5 seconds after poweron, press the key of ON/OFF shortly to switch to zero start. The default is non-zero start for each poweron.
3. Zero Start: after poweron, press the thumb shifter to accelerate, the motor of the scooter rotates, and the scooter starts to go ahead.
4. Non-zero Start: after poweron, one foot is on the ground to support in order to make the scooter slide forward, press the thumb shifter to accelerate, the motor of the scooter rotates, and the scooter starts to go ahead.
5. Gearing: 5 seconds after poweron, press the key of ON/OFF shortly to switch the gear circularly. The higher the gear is, the faster the speed is. The default is low-speed ECO.
6. Cruise OpenClose: after poweron, hold on the brake lever and turn the shifter for three times, open the cruise mode, and repeat the operation to exit from the cruise mode.

Functions of panel

★ Displayed content

1. Power

2. Multifunctional display area

ODO, single OD, and so on

After poweron, it displays the Power firstly, then automatically switches to display ODO for 10 seconds, and then switches to display the single OD.