



MJM WHEELS LTD.



mjm E-TR20

mjm E-TRF20

USER'S MANUAL

NOTICE!

Before using your new E-bike the first time,

Charge 6 hours for Li-ion batteries

Always recharge the battery before the power indicator shows no power.

Failure to follow these instructions voids any warranty, whether stated or implied.

Before operating your E-bike



This product does not conform to Federal Motor Vehicles Standards and is not intended for operation on public streets, roads or highways. Serious injury can result from the unsafe operations of this vehicle.

This product is not designed to be jumped. If jumped, even from the curb,

The E-bike Frame could break causing serious injury or death.

If jumped, the warranty is void.

Do not operate this product in traffic, on wet, frozen, oily or unpaved surfaces or under the influence of drugs and/or alcohol.

Avoid uneven surfaces, potholes, surface cracks and obstacles.

It is recommended that the rider wear leather gloves, kneepads

And leather boots. Always wear a CSA approved helmet.

Never carry passengers on your E-bike.

Check your state and local laws governing the use of motorized vehicles in your area.

MJM WHEELS LTD. is not responsible for your failure to comply with state and local ordinances relating to the use of the E-bike.

Failure to follow these operation instructions can result in serious injury or death.

Congratulations on your new purchase! Our service department is dedicated to your satisfaction with mjmwheels.com.

Quick Start:

1. Charging:

You can charge your battery installed in bike or uninstalled. If you want to uninstall the battery, push the key and twist anticlockwise until hear “Click”. Before taking out the battery, you may need to take out the seat post firstly, with quick release.

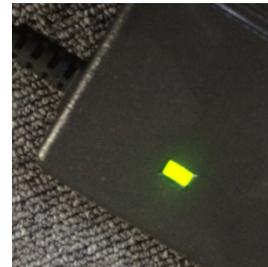


Move the cover on battery:

Before plug in charger, please make sure that the charger’s plug can be properly used in your area.

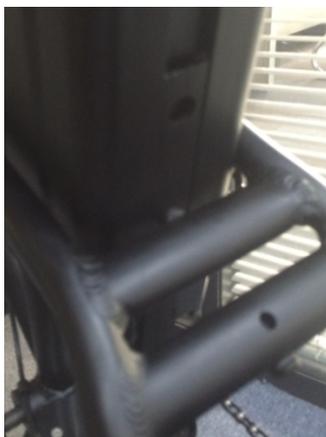


Charging:

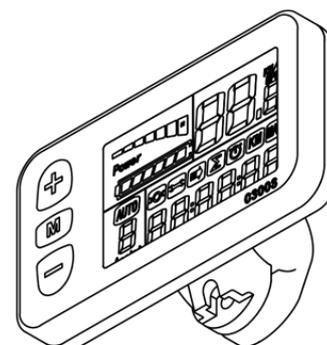
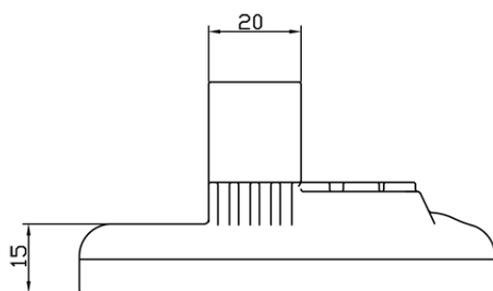
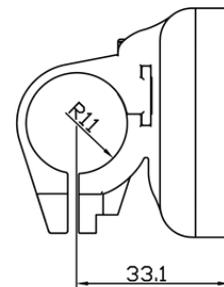
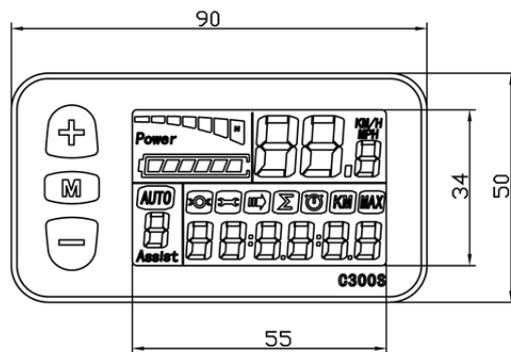


Charging Finished:

Install the battery: please make sure that the lead rail on frame get into the slot in battery. And make sure the battery is placed completely upon the conductive contact on the bottom.



LCD Display:



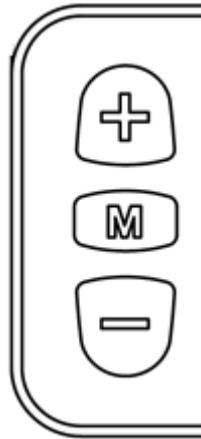
Display Interface

Press SET to switch the displaying information. The order is: ODO → Riding Distance
→ Riding Time → Max Speed.

BUTTON DEFINITION

C300S has three buttons, including MODE、UP and DOWN.

“MODE” names to “M”, “UP” names to “+” and “DOWN” names to “-”.



NORMAL OPERATION

1、MODE

Hold MODE and start the display. The display will provide power for the controller.

Hold MODE again can open the backlight. With display on, press MODE for 1.5 seconds to turn off the power. With the display off, there is no battery consumption.

The leakage current is no more than 2 μ A.

※ The panel will go to sleep when speed is less than 2 km/h for 5 minutes.

2、CURRENT DISPLAY

That represents the discharging current of the controller currently, each segment is 2A, six segments are ≥ 12 A.



3、 SPEED DISPLAY

It displays the current riding speed of e-bike. The speed display is as below.



4、 KM/H & MPH

Select KM/H or MPH for the speed and mileage, display will be the currently selected units display.

5、 BACKLIGHT INDICATOR

With the power on, hold UP for 1.5 seconds and turn on the backlight. Click it again and turn off the backlight.

6、 6 KM/H WORK

Hold DOWN for 1.5 seconds and enter the mode of power assist walk. The e-bike is traveling at 6Km/h. Display as shown below.



7、 ASSIST LEVEL SELECTION

Click UP or DOWN to change the stages and output power ratio, the output power ranges from level 1 to level 6 for the default (the levels can be customized by user),



the default value is level 1.

Front wheel installation

Read the instructions carefully to identify and understand the components of the electric bicycle such as pedal, seat post etc. and the name of relevant spare parts. When specialized servicing of bike is required, please go to an authorized MJMWHEELS repair shop or store or another trusted bike professional.

1. Assembly of the front wheel unit:

Identify the nuts and the lock washers (Fig A) necessary for the front axle assembly.

Assemble the front wheel unit onto the front fork, pass the lock washers thru the axle and lock the tab into the groove of the front fork (fig. B). Tighten the nuts on both sides of the hub with a torque wrench to 35 Nm (fig C). Attention: when assembling, make sure the disc brake and the brake caliper are on the same side (left side), the disc brake must slide into the gap between the two brake pads of the disc brake caliper, make sure the wheel turns freely and does not rub against the brake pads when the front brake is not been pressed.



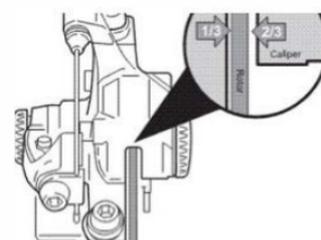
Fig A.



Fig B.

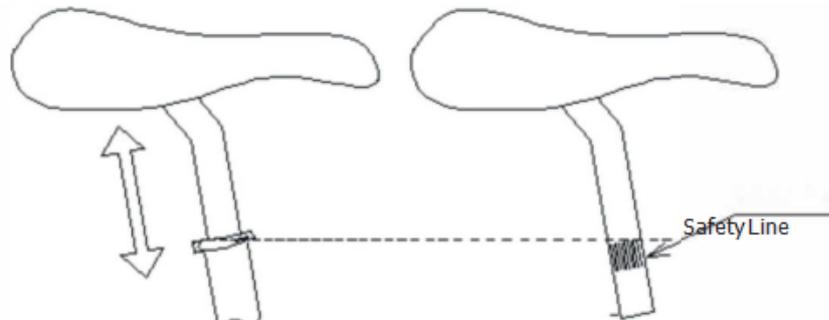


Fig C.



Adjustment of Saddle:

Adjust the saddle to the proper height. Using the socket hand wrench, lock the fixed screws on the seat post and clamp tightly. Please note that when adjusting the height of the standpipe and seat post, it has to keep the inserting depth above the safety line.



Taking Care of Your Batteries

Proper maintenance of the batteries will maximize their lifespan and available ride time.

- We use Li-Ion (Lithium Ion) batteries in all our electric bicycles. These are very user-friendly types of batteries when cared for properly.
- Batteries should be fully charged immediately when they are received for the recommended charger times. **FULLY CHARGE BATTERIES BEFORE FIRST USE.**

Below are the recommended charge times for each type of the batteries.

- Li-Ion (Lithium Ion) batteries 4-6 hours
- Charge batteries at least every 90 days for Li-ion.
- Always store bicycle with fully charged batteries.
- Never charge the batteries for more than 24 hours
- Always disconnect the charger from the wall outlet and bicycle when charging is complete (as indicated by the status on the charger) before storing the bicycle.
- Do not store the batteries below 50°Fahrenheit and never allow batteries to freeze (Below 32°Fahrenheit)**
- Li Bikes are equipped with a 5 seconds sleep mode .If do not use the battery for a long time we suggest you to keep the button above the battery for 5 seconds till the light flash then it will go into "Sleep Mode" and if you want the Li battery working then do same before.

- Always be sure to turn the bike “OFF” after each use via the ON/OFF power switch. If you have left the power switch on or your product have not been charged for a long period of time, the batteries may reach a stage at which it will no longer hold charge.
- Be friendly to the environment! Be sure to recycle your old batteries at a local battery recycling center. Do not throw them in the garbage.
- Frequent “stops and starts” will drain a battery more quickly than sustained. long term use.
- Even with proper care, rechargeable batteries do not last forever. Average battery life depends on use and conditions.

Charger

The electric bike comes with its own “Smart Charger” that connects with an easy-access charger port for recharging the batteries. This charger has lights which show the battery charge status.

Batteries work best when they have a full charge, so always be sure to recharge them fully after each ride. If you leave them in a run-down condition, without recharging them, it will shorten their life expectancy.

Li-Ion (Lithium ion) batteries –charge for 4-6 hours

The charger may get warm to the touch, so make sure you charge them in an open area and do not lay anything on the charger unit while charging. Although you cannot over-charge the batteries using the “Smart Charger”,

We recommend that you do not leave the charger plugged in for more than 24 hours.

If your charger shows a solid green light after charging for a short period of time, your battery may have been only partially discharged (Short ride), or this may be the sign of a partially worn out battery reduced charge capacity. Continue charging for the full time, to cover all the bases. If the battery still has not charged, you may need to replace it.

Even with Proper care, a rechargeable battery does not last forever. Average battery life depends on use and conditions.

The charger and charger port should be regularly inspected for damage (Cord, plug, enclosure, etc.). If damage is found stop using until the damage part can be repaired or replaced.

CAUTION

RISK OF ELECTRIC SHOCK, DRY LOCATION USE ONLY. SEE INSTRUCTION MANUAL FOR USE.



1. Red light means charging
2. Green light means charge-full
3. Input: AC100-240V~, 1.6A (Max) 50/60Hz
4. Output: 42.00V—2.0A
5. Plug the charger into the outlet and turn the charger “ON” via the switch on the black side. The red power light on the front of the charger will illuminate when the charger is working properly.
6. Insert the XLR plug into the charger port on the bike being sure the charger plug is fully seated in the charger port. The second light will start to flash orange for several seconds while the charger is “seeking” the battery.
7. Once the charger has “found” the battery the blinking orange light will stop flashing and turn solid orange and cooling fan will start. At this point the charger process has begun.
8. Once the battery reaches full charger, the orange light will turn solid green.
9. When charging is complete, unplug the charger from the wall before removing it from the charger port.



Use only MJM WHEELS Authorized Li-Ion chargers with bicycles equipped with Li-Ion batteries.

Using any other charger will damage the batteries and void your warranty.

Battery Care:

Battery Storage

How to store your battery for an extended time?

Charge the battery every 3 months to avoid capacity loss. Batteries slowly self-discharge when left unused for a long time; if battery cells are allowed to reach a critically low voltage, their lifespan and capacity will be permanently reduced.

Always disconnect your charger from the wall outlet and battery before storing the battery.

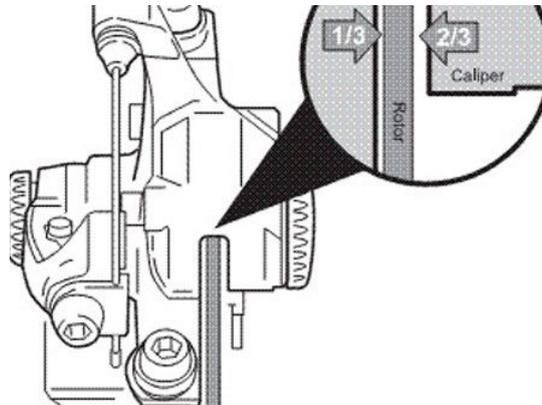
Avoid storing your battery in extreme temperatures, whether hot or cold.

Batteries are best kept in a cool, dry place. Do not allow batteries to accumulate condensation, as this could cause shorting and corrosion.

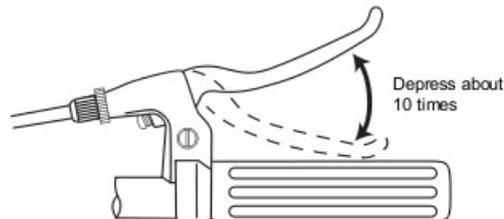
The recommended storage temperature for Li-ion batteries is between 32~77° F.

Avoid exposing the battery to extreme heat (104° F or higher) for long time.

Braking Adjustment



Depress the brake lever about 10 times as far as the grip to check that everything is operating correctly and that the shoe clearance is corrected before riding the bike.



As a final check, please complete the following checklist to make sure your bike is properly assembled and safe to ride:

■ Handlebars

Ensure handlebars are straight and secure and all relevant bolts are tight.

Test that they are securely attached to the forks by gripping the front wheel between your legs and attempting to turn the handlebars.

■ Wheels

Ensure the front and rear mudguard stays are tight.

Check that the quick release mechanism is tightly gripping the front wheel.

■Seat and post

Ensure that the seat is straight and secure.

■Pedals and chain

Ensure the pedals are wound in fully and are nice and tight. Use a spanner if necessary.

Ensure that the gears go in cleanly and that the gear adjustment is correct

■Brakes

Test front and rear brakes whilst rolling the bike forwards – both wheels should stop completely.

Test that there more than a finger' s width between the grip and the brake lever when fully depressed.

■Rack

Ensure that the rack is secure and that all visible bolts are tight.

■Kickstand

Rock the bike gently from side-to-side to ensure that the kickstand does not wobble. Tighten the bolt on the frame directly above the kickstand if necessary.

■Tires

Pump the tires to the point that they are very firm and impossible to deform with your thumb. This is equivalent to roughly 60ppi of pressure for the Sport and Classic models and 50ppi for the Urban.

■Electrics

Test the pedal assist function by rotating the pedals with the rear wheel raised.

Fully charge the battery before use.

Before riding:

Adjust the height of the handlebars and saddle to suit the rider, whose toes should be able to just touch the ground.

- Check that all lights and meters are working.
- Check regularly to ensure that the electrical connectors between the bike and battery are clean.
- Check the brakes: this can be done by putting the front brake on and pushing forwards. Do the same with the back brakes. The bike should not move and the brake levers should not touch the handlebars. The brakes should work without having to press down too hard on the handles.
- If your bike has a quick release on the front wheel then check that this is properly tight in its position within the front forks. Quick release mechanisms can more easily work loose than conventional axles and so should be checked more often for tightness.
- Make sure that your clothing is suitable for riding. Long, loose or flowing garments may become caught in the wheels or chain.
- Wear an approved safety helmet.

Riding your e-bike:

- After mounting the bicycle, turn on the main switch, the power display light will come on, indicating power is connected
- Release the kickstand, mount the bike, placing one foot ready to pedal, check that it is safe to proceed, and then set off. You will feel the motor as you begin to pedal.
- As you cycle, the battery power will be used up, and the power level indicator lights will go off in turn. If the battery becomes flat, turn off the main switch and use pedals only to ride, recharge fully after journeys

accumulating over 10 miles.

- Use both brakes together when stopping; do not use only one.
- Remember when riding in wet conditions your brakes will be less effective and a greater stopping distance is needed. In dry conditions your stopping distance should be less than 4 meters; this will increase to 15 meters on wet or snowy roads.
- Do not ride through deep puddles or streams. Ensure that water never reaches the motor and controller level.
- Do not ride on loose or uneven surfaces, up and down curbs and watch out for unexpected potholes.
- Do not carry extra passengers or heavy loads, as this may damage the motor and battery.
- Do not ride under the influence of drugs or alcohol, or when feeling unwell.
- Do not ride at night without lights. If the lights are not working, it may be safer to get off and walk with the bike.
- Please follow the Highway Code for the safety of yourself and others.
- If you are new to cycling or an inexperienced rider, find a quiet place to practice and gain confidence before trying to ride on busier roads. Buy a copy of the Highway Code; most newsagents sell it.

MJM WHEELS™ LIMITED WARRANTY

To make a warranty claim you will need a copy of the original receipt showing the ebike model, date of purchase, ebike serial number as retailer information

The warranty is limited to the terms listed below:

Motor and controller: 12 months declining at 1/12. 3 months for labor

Frame: 3 years, 1 year for labor

Charger: 1 year for parts

Battery: Warranty on the battery starts the date of purchase of the ebike as new. The battery is sealed and cannot be opened or fixed. The battery should not have a percentage of nominal charge retention of 60% or less. Misuse of the battery, negligence or attempt to open or repair it will void the warranty.

Consumables: Components subject to wear are not covered by the warranty: Tires, inner tubes, brake lines, brake pads, basket, wheel lining tape, light bulbs, LEDs, fuses, etc.

If the warranty is void for any reason the customer shall bear any repair or replacement costs resulting from ebike misuse, negligence or abuse.

Always follow care and preventive maintenance procedures

Always keep receipts from any services performed to the ebike by an authorized distributor or service center.

The warranty will be voided by any of the following circumstances:

- (1) Failure to follow all directions or recommendations listed in this warranty and user's manual.
- (2) Cycling collision, accident or ebike damage caused by careless parking or storage.
- (3) Acts in violation of laws and regulations.
- (4) Service or maintenance work not performed by an accredited technician. performed service or maintenance on components
- (5) DIY repairs on electronic components.
- (6) Abusive use the ebike in off-road terrain, mud, snow, water, sand, gravel and water puddles.
- (7) If ebike is used as rental unit
- (8) Damages caused by natural disasters such as earthquakes, lightning, fire, flooding and other hazards .
- (9) Rust and/or paint fading caused to heavy exposure to rain, hail, snow or sunlight.
- (10) Overloading beyond recommended capacity .
- (11) Damages caused by nails, needles, broken glass , debris , sharp rocks or other foreign objects .
- (12) If ebike is used for stunting such as jumping from ramps, stairs or elevated surfaces.
- (13) If ebike is used in competitions or racing
- (14) If ebike has been modified for any purposes on the motor, electrical system, suspension frame, wheels.
- (15) Use of other components not approved by the manufacturer
- (16) Damages resulted from improper transportation

MJM WHEELS™ LIMITED WARRANTY (Continued)

Due to the nature of the product some components must be purchased exclusively from the manufacturer. These would include, but are not limited to limited to the battery, motor, main gauge cluster, controllers, Led headlights, brake drums or disc rotors and pads etc. Other components such as tires, tubes, saddle, racks, and baskets may be used from market-ready or compatible products previous approval from the retailer or manufacturer.



MJM WHEELS LTD.

Get more information of about promotions or new product launches at:

www.mjmwheels.com