

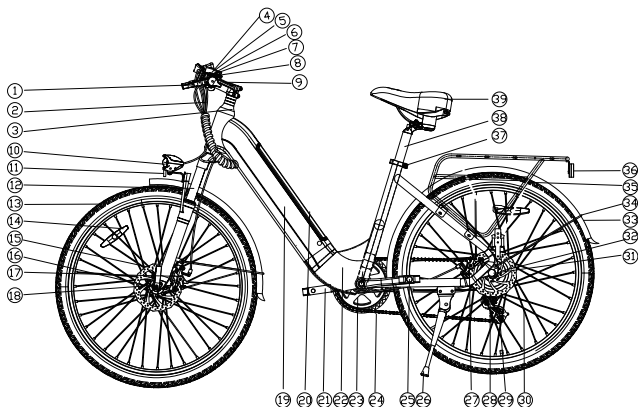


# DYU SMART ELECTRIC BIKE C1 INSTRUCTION

Do not use the eBike without reading this manual carefully and  
knowing your eBike thoroughly  
Please save this manual for future reference



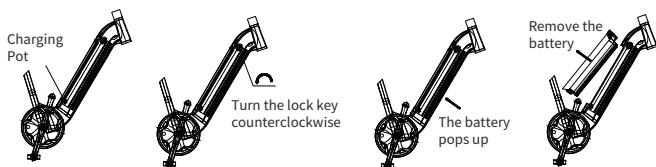
# PARTS & COMPONENTS



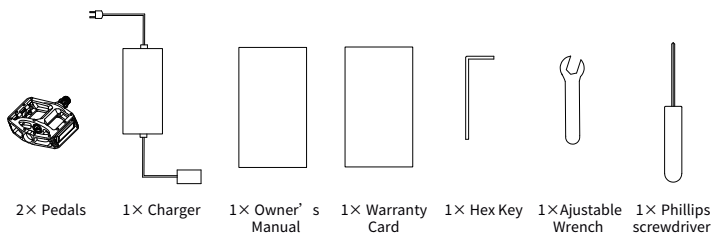
- |                    |                          |                            |                            |
|--------------------|--------------------------|----------------------------|----------------------------|
| 1.Brake Lever      | 12.Front Fork            | 20.Battery                 | 30.Spoke                   |
| 2.Wiring Harness   | 13.Tire                  | 21.Crank                   | 31.Motor                   |
| 3.Headset          | 14.Front Wheel Reflector | 22.Controller              | 32.Fly Wheel               |
| 4.Bell             | 15.Disc Brake Rotor      | 23.Chain Wheel             | 33.Mudguard                |
| 5.Electric Shifter | 16.Hub                   | 24.Chain                   | 34.Mudguard Stay           |
| 6.Grip Cover       | 17.Disc Brake Caliper    | 25.Pedal                   | 35.Rear Rack               |
| 7.Power Switch     | 18.Quick-release handle  | 26.Kickstand               | 36.Rear Reflector          |
| 8.Mechanic Shifter | 19.Frame                 | 27.Rear Disc Brake Caliper | 37.Seat Tube Quick Release |
| 9.Display          |                          | 28.Rear Disc Brake Rotor   | 38.Seat Tube               |
| 10.Front Light     |                          | 29.Rear Derailleur         | 39.Saddle                  |
| 11.Front Reflector |                          |                            |                            |

Note: As we upgrade our eBikes, the one you own may be slightly different from the one shown above, but how you use it will be the same.

## Battery Removal Instruction



## In the Package



# GETTING STARTED

1. Assembling: 1) Open the box, take out your eBike, and remove the packaging. 2) Assemble the front wheel by installing it into the front fork of the frame and locking it with the quick-release lever. 3) Assemble and adjust the handlebar. Raise the folding stem, secure it with folding latch, attach the handlebar to the stem, adjust its position. And tighten the handlebar screws. 4) Push the e-bike and ensure that the wheel rotate smoothly without any unusual sounds. Squeeze the brakes a few times to confirm that the front and rear brakes are functioning properly. 5) Adjust the seat post height to a suitable position and lock it with the quick-release lever. 6) Install the pedals and tighten them securely. (When riding an e-bike, please wear a helmet)

2. Charging: Connect the DC jack of the original charger to the charging slot of your eBike, and the AC plug to the mains. The charger light turns from red to green when charging is complete. (When the battery does not need charging, do not keep the AC plug connected to the mains and do not keep the charger connected to the battery. Do not charge indoors. When charging outdoors, avoid rain or direct sun on the charger.)

3. Power on and off: Press the power button located left on the handlebar for three seconds to power on/power off

4. Headlight: Light button located on the handlebar.

5. Cruise control: When riding the e-bike and it maintains a constant speed, you can release throttle after holding it at a certain angle for 8 seconds to continue riding at current speed. To exit cruise control mode, you can either turn the throttle or apply brakes.

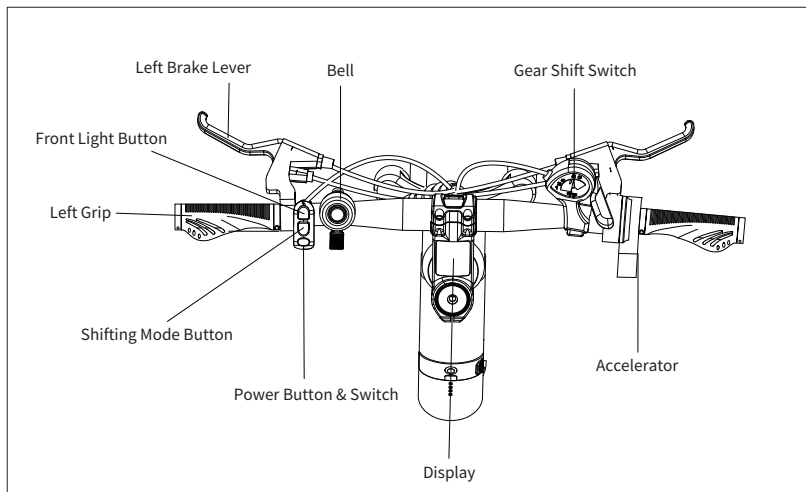
6. Gear Adjustment: Press "M" button on the left handlebar to switch gears.

7. Display: It shows battery level, speed, gear position and mileage.

8. Riding modes:

a. Throttle Mode: When the power is on, twist the throttle to accelerate and start the ride without pedaling.

9. Brakes: Squeeze the brake lever. Firstly, the controller cuts off the power output from the motor. Then, the disc brake provides mechanical braking. Until the brake lever fully rebounds, the throttle and pedal assist will not provide electric power output for accelerator.

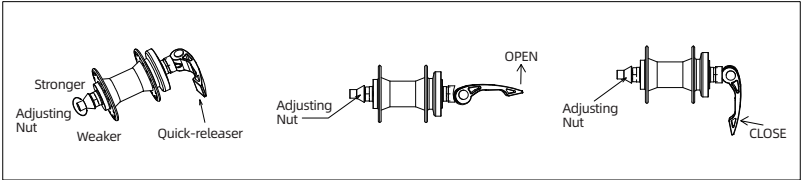


# INSTALLING THE FRONT WHEEL

## I. Basic mechanical principle with the hub and anchor nuts

Turn the anchor nuts clockwise to increase clamping, and anti-clockwise to decrease.

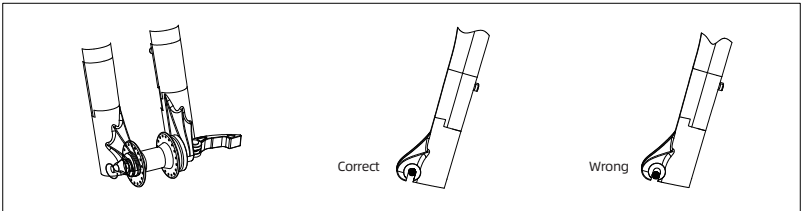
Turn the adjusting nut clockwise for the quick-release lever to be in the CLOSE position. As the nut screws inwards, the wheel is clamped onto the frame and locked into the correct position.



## II. How to install

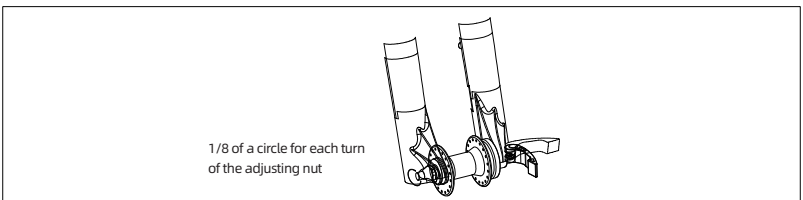
### 1. Tighten the quick-release skewer:

Push the quick-release lever to the "OPEN" position and ensure that the wheels is tightly pressed against the inner end of the front fork.



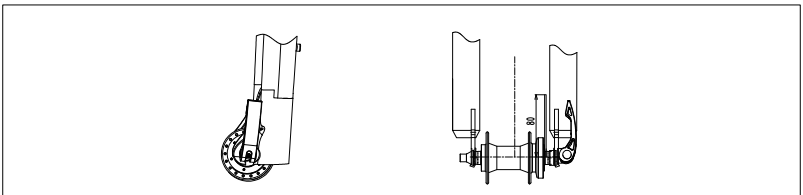
### 2. Tighten the nut clockwise

Manually turn the anchor nuts clockwise to fasten up. Ensure that the front wheel is located at the very center of the front fork, and that the disc brake rotor is parallel to the disc brake caliper towards the end of the front fork with space in between. Keep some space on both sides, and tighten into place with a spanner as indicated below.



### 3. Lock the quick-release lever:

Grasp the fork leg with your fingers, use your hand to apply force to the quick-release lever until it secured. The "CLOSE" marking on the lever should facing outward. The Lever should be positioned in front of or parallel to the fork leg, as show in the diagram below.



# DERAILLEUR SYSTEM

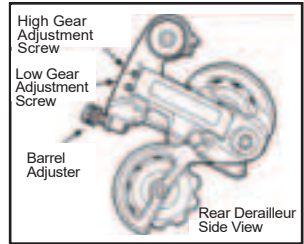
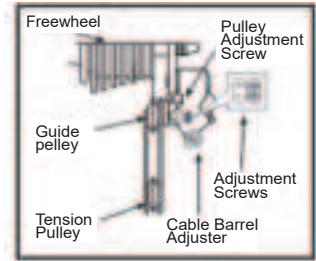
The derailleur system includes front and rear derailleurs, shift levers, and derailleur control cables. For smooth shifting, all components must function properly.

Although the front and rear derailleurs are initially adjusted in the factory, you need to inspect them before each ride.

To begin, twist the shifter to the largest number indicated, and the cable shall loosen the anchor bolt on the rear derailleur, placing the chain on the smallest sprocket.

Adjust the high limit screw so that the guide pulley and the smallest sprocket are lined up vertically. Re-tighten the cable, pull out any slack, and re-tighten the anchor bolt securely. Shifting through the gears, making sure that each gear is achieved quietly and swiftly.

If necessary, use the barrel adjuster to fine tune the cable tension by turning it the direction you want the chain to go. For example, turning clockwise loosens cable tension and moves the chain away from the wheel, while turning counter-clockwise tightens cable tension and direct the chain towards the wheel.



# SPECIFICATION

Build	Model	C1
	Body material	Aluminum Alloy
	Expanded size	1480*700*1090 mm (or 58*28*43 inches)
	Packing size Inside	1520*245*820mm (or 60*10*32 inches)
	Wheelbase	1160 mm (or 46 inches)
	Pedal ground clearance	110 mm( or 4 inches)
	Wheel hub	26 inches
	Body color	Gray
Performance	Weight	24.9 kg (or 54.9 lbs.)
	Load	120 kg (or 264.55 lbs.)
	Average speed	20 km/h (or 12.43 mph)
	Max speed	25 km/h (or 15.53 mph)
	Power consumption per hundred kilometers	0.9km/h
	Range in throttle mode	40±3 km (or 25±2 mi)
	Range in pedal assist mode	60±5 km (or 37±3 mi)
	Hill climbing capacity	15 degrees
	Operating temperature	-10~45 degrees Celsius(or 14-113 degrees Fahrenheit)
	IP rating	IP54

# SPECIFICATION

<b>Core</b>	Model	C1
	Battery type	18650 lithium-ion
	Battery capacity	10Ah
	Battery rated voltage	36V
	Charging voltage	DC42V
	Charger input voltage	AC100-240V
	Charging time	4-6 hours
	Motor rated power	350W
	Motor rated speed	200±10r/min
	Motor rated voltage	36V
	Controller under voltage value	31±1 V
	Controller over current value	15±1A
<b>Features</b>	Headlight	Yes
	Rear Rack	Yes
	Cruise	Yes
	Adjustable seat height	Yes
	Braking	Front and rear disc brakes
	Customized stickers	Optional

**Note:**

The max speed may vary depending on the battery level, load, tire pressure, terrain, lubrication state of the chain and bearings, etc.

The ranges are determined upon tests at the ambient temperature of 25°C (or 77°F), at the speed of 15 to 20 km/h (or 9.32 to 12.43 mph), on smooth and firm terrain, with a load of 120 kg (or 264.55 lbs.), and within an uninterrupted period from complete to zero battery level. The ranges may vary depending on your riding behavior, ambient temperature, load, tire pressure, terrain, etc.

# ATTENTION

## Battery & Charging

- Do not connect the positive to negative, or vice versa. Do not damage, disassemble, or short-circuit the battery. Avoid water, other liquid, or other foreign matter inside the battery to prevent short circuit.
- Instructions in this manual must be followed when charging the battery, otherwise the owner shall take sole responsibility for any consequences.
- Charge the battery only at the temperature between 0°C (or 32°F) and 45°C (or 113°F), and discharge at the temperature between -20°C (or -4°F) and 60°C (or 140°F). The charging current should not exceed 2A. Charge only in a well-ventilated area, away from sun and heat.
- Use the original charger from the package to charge the battery. Connect the charger and battery before plugging the charger into the mains. Do not charge the battery for over 6 hours each time.
- When charging, if the charging indicator appears abnormal, a smell is released, or the charger overheats, stop charging immediately. Service or replace the charger.
- To stop charging, unplug from the mains before disconnecting the charger and battery.
- When the charging indicator turns green, stop charging.
- Do not leave the charger connected to any AC power source when not charging.
- When not in use, store the battery in a dry (relative humidity at 65±20%) and cool (temperature at 10-35°C, or 50-95°F) place. Keep away from fire, heat and high temperature. Do not put the battery in acid or alkaline liquid. Make sure to charge the battery for two hours each month.
- Before using the charger to charge a different battery, note the battery type and voltage that the charger may apply to.
- It is advisable not to carry the charger with your eBike. If you must, place the charger in a toolbox upon shock absorption treatment.
- Do not disassemble the charger or replace the parts and components in the charger on your own.
- Waste battery is classified as hazardous. Do not disassemble the waste battery on your own. It should be collected and recycled properly.

## Riding your eBike

- Do not use the eBike before reading this manual carefully and knowing your eBike thoroughly.
- **This eBike is designed for riders aged 16-45. Anyone aged below 16 is strictly forbidden to ride this eBike.**
- **Please wear a helmet.**
- Do not lend your eBike to anyone who do not know how to use it, so as to avoid harm.
- When adjusting the steerer tube and seat tube, do not expose the minimum insertion marks.
- Before riding, check the tire pressure. It is advisable to maintain at 35-45 PSI.
- Before riding, ensure the power, lights, handles, brakes, wheels, reflectors and others are in good condition.
- Before carrying people or objects on your eBike, learn the local laws and regulations, and abide by them.
- Do not exceed the load capacity of 120 kg (or 264.60 lbs.).
- Wear a helmet, and obey traffic rules.
- Obey local traffic rules to keep to the right or left.
- Do not ride on any motorized lane or in any pedestrian crowd.



# ATTENTION

- It is advisable not to go over 15 km/h (or 9.32 mph) when riding on any non-motorized lane, downhill, or paved road.
- Slow down in rain or snow as required braking distances increase.
- It is advisable not to ride in storms or any extreme weather.
- Avoid impact on the motor.
- Keep the bearings lubricated.
- Do not park your eBike in any lobby, walkway, evacuation stairway, or emergency entrance/exit.
- Do not charge or park your eBike inside any residential building. Keep away from combustibles when charging. Charging should not exceed 6 hours each time.

## Maintenance

- The front and rear wheels should be aligned to the center of the front fork and frame.
- Park away from direct sunlight and rain.
- Do not rinse the eBike. Wipe with a damp cloth to clean.
- Check the motor and brakes frequently. Do not oil the braking system.
- Regularly check all screws and keep them fastened.
- Recommended torque specs: handlebar screw 60-80 kgf.cm (or 52.08-69.44 lbf.in), steering stem screw 175-200 kgf.cm (or 151.90-173.60 lbf.in), saddle screw 175-250 kgf.cm (or 151.90-217.00 lbf.in), and wheel screw 320-450 kgf.cm (or 277.70-390.60 lbf.in).
- Regularly check the tension of the chain, which can be adjusted via the chain regulator.
- Frequently check the tires for scratches, cracks or excessive wear. The inner tube and valve should be perpendicular to the wheel hub. Punctured, damaged or excessively worn inner tube and tire must be replaced immediately. Please contact professional technicians.
- It is forbidden to modify key structural parts including the frame, front fork and steerer tube, and any electrical parts. If damaged, replace with identical parts from our factory. Otherwise, the warranty shall be void and the owner shall take sole responsibility for any consequence.

## Disclaimer

- Our company reserves the right to modify and give final interpretation to the product model, specification, and other information contained in this manual.
- The functions of the specific model referred to in this manual apply to this specific model only.
- The product model, specification, and other information contained in this manual is subject to any modification or change without notice.
- Without the prior written permission of the company, the contents of the manual may not be copied, modified, reprinted, disseminated or published in any form.
- Please read this manual carefully before using the product, and operate in accordance with the manual. Otherwise, the company shall not be liable for any personal or property damage, including damage to the product, caused by misuse or abuse.
- For more information, please visit our official website: [www.dyucycle.com](http://www.dyucycle.com).



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