

## Generations Ahead Ride the Future

HASHTAG ELECTRIC OWNER'S MANUAL



Please keep in mind that your bicycle is a legal vehicle. When you ride it, you will be amidst other traffic and need to use your common sense and remember the laws and safety tips pertaining to your bicycle.

Read this manual carefully to reduce your risk of injury.



## WARRANTY

Geekay Bikes provide high-quality products to its customers. Geekay Bikes are sold through online platforms like Amazon, Flipkart & Meesho & our own official website https://geekaybikes.com/ and offline stores all over India.

All Geekay Bikes come with a "Lifetime Warranty" on frames, 1year on batteries, and 6 months on motors and controllers. The Lifetime frame warranty is guaranteed against the manufacturing defects.

This warranty is void by misuse, stunt, improper maintenance, or alternations of the product & does not cover any normal wear & tear that might occur. All warranty claims should be directed to the company.

### HOW TO REGISTER YOUR BIKE?

To claim your warranty, it's highly recommended that you register your product on our official website https://geekaybikes.com/ under "REGISTER YOUR BIKE" or scan the below QR code to register your bike. For conversion kits or accessories, please retain your original invoice for a seamless experience and support. You will receive a warranty confirmation email.

### HOW TO CLAIM YOUR WARRANTY?

- If you want to claim your warranty of the product you bought offline, all you need to do is contact the dealer from where you bought your product.
- If you want to claim your warranty of the bike you bought online, then the unique numbered certificate is needed. All you need to do is contact our customer support via call or WhatsApp to claim your warranty.

### **KEEP A RECORD OF YOUR NEW BICYLE**

OWNER:		
ADDRESS:		
PINCODE:		
BRAND & SERIAL NO:		
MODEL:		
FRAME STYLE:		
FRAME SIZE:		
FRAME COLOR:		
WHEEL SIZE:		
TYRE SIZE & TYPE:		
BRAKE TYPE & BRAND:		
TRANSMISSION BRAND:		
SADDLE BRAND:		
OTHER ACCESSORIES (LIST & BRAND NAME):		
PURCHASED FROM SHOP NAME:		
SHOP ADDRESS:		
/ /		
TEL: DATE OF PURCHASE: / /		
PRICE PAID ₹:		
Remember the advice about LOCKING YOUR BICYCLE. A Good Quality Lock is cheap Insurance.		

# IMPORTANT SAFETY WARNINGS

#### FOR YOUR OWN SAFETY, IS HIGHLY RECOMMENDED TO HAVE YOUR GEEKAY BICYCLE ASSEMBLED BY A SKILLED MECHANIC.



### **Components to be Assembled:**

- Handlebars
- · Stem Assembly
- Front Wheel
- · Seat & Post-Seat Assembly
- Brake Reflectors & Brackets
- Pedals
- · Headlight



### **Tools Needed:**

- 3,4,5 mm Allen Keys
- 14-15 mm Spanner Set
- Pliers
- · Phillips Screwdriver
- Flat Head Screwdriver
- \*Torque Wrench Recommended



### Electric

E-Bikes use Motor & rechargeable batteries that can travel up to 25 km/h, Getting you to your destination quicker and in better shape. In a nutshell they offer low cost, energy efficient, and emission-free transportation which also has physical and health benefits.

### **Road or Touring**

Typically used for racing, these lightweight bikes usually have narrow handlebars, wheels and tires.

### **Mountain or Off-Road**

Designed for off-road cycling, these bikes incorporate certain features to perform well on rough terrain. They have a much thicker frame than road bikes and are built to provide stability and absorb shock.

### **Cross & Hybrid**

Cross & hybrid bikes offer the same comfort as a city bike, yet are equipped to handle rougher terrain as well. They are built to offer the benefits of both road and mountain bikes in one.

### **City & Comfort**

City & comfort bikes are only designed to go short distances for commuters or for enjoyment. Many cities have public bike sharing brands like electric bikes that would also classify as a comfort or city bike.

### BMX

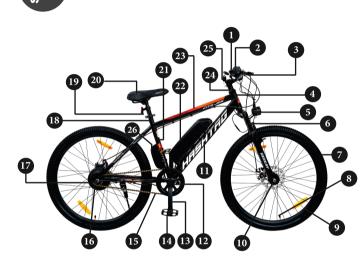
BMX or Bicycle Motocross is a sport that involves racing on a cross-country course with obstacles. BMX bikes are made to support this, racing, and stunt riding.

### Freestyle

These bikes come with both rear and front brakes. The front cable is routed through a "rotor" that allows the handlebars to be spun around without tangling the brake cable.

# **INSTALLATION GUIDE**

KNOW YOUR BIKE



- 1. Display
- 2. Full Throttle with on/off Key
- 3. Brake Levers with Auto cut off
- 4. Head Tube
- 5. LED Light with Inbuilt Horn
- 6. Fork
- 7. Tyre
- 8. Valve

- 9. Rim
- 10. Hub
- 11. Down Tube
- 12. Pedal Assist
- 13. Crank Arm
- 14. Pedal
- 15. Chain
- 16. Freewheel
- 17. Hub Motor

- 18. Seatpost Binder Bolt
- 19. Seatpost
- 20. Saddle
- 21. Seat Tube
- 22. Battery
- 23. Top Tube
- 24. Headset
- 25. Stem
- 26. Controller Box

# **SPECIFICATIONS**



Dual Disc Brakes with Motor Cut off



Double Wall Alloy Rims



36V 250W Geekay Rear Hub Motor



2.125" Wide Tyres



Heavy Duty MTB Steel Frame

Front Suspension

uspensio Fork



Automatic Dustproof 12 Magnet PAS



36V 7.8 ah Li-ion Battery with BMS & Fuse



Wide Sporty Saddle with Quick Release



Full Throttle with On/Off Key with Display



## PREP AND TOOLS



#### NOTE : Different tools required for kids bicycle models



## UNBOXING

Your dream bike comes in this package. Make sure your bike is upright with the arrows printed on the box pointed upward.





## ASSEMBLE THE WHEEL

Step 4.1 Remove this fork protector



Step 4.2 Fix the front wheel in the fork holder from where you removed the fork protector as in pic



Make sure the disc brake plate goes inside the Disc Brake Machine while installing the front wheel.



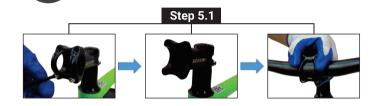
Step 4.3 Fix the lock plate in the fork hole and tighten





Fully tighten both nuts and ensure the wheel set straight in the forks

**INSTALLING THE HANDLE** 





Ē

### **Tighten Bolts Equally**

As you are tightening the bolts, the gap between the face plate and stem body needs to be equal all the way around. Making sure that you have equal tension is just as important as making sure that the handlebar is tight.





Tighten the 2 nuts on both sides of stem as in pic.



6.1 Your Pedals have L & R marked on them as in pic.



L will be installed on the left crank and tighten with spanner

Ш

R will be installed in Right ride crank and tighten with spanner







#### PLEASE NOTE : That damage caused by INCORRECT ASSEMBLY (Such as installing the pedals the wrong way around) is not covered by your warranty.

## INSTALLING THE SEAT

### Step 7.1

Open the quick release on the frame and put the seat post in the frame hole



Step 7.2 Insert the reflector on the seat post (if available in your model)



Step 7.3 Install the seat in the seat post and tighten screw



**Step 7.4** Adjust height of seat post as required and tighten quick release on the frame

### **ALIGINING THE SEATPOST**



#### STEP-1

While standing over the bike, look down. Align the nose of the saddle to run parallel with the top tube of the frame, so that it is pointing directly at the head stem.



#### STEP-2

You may want to re-adjust the saddle's till (so that the nose of the saddle is in line with the rear of the saddle and not pointing up or down) To do this. Loosen the bolt (s) that clamp the saddle's rails. Adjust the tilt and then re-tighten the bolt (s).



### STEP-3

Grab the seat and try to turn it. If it turns, re-align it and continue tightening the seat post clamp until it does not turn anymore.





Step 8.1 fix it on the frame as illustrated.



Step 8.2 Tighten the nuts as in pic





Step 9.1 Unscrew the nut Bolts



Step 9.2 Tighten the nuts as in pic



### Join All the Sockets with same color as Shown







## INSTALLING THE BATTERY

### Install the Battery as Shown



# **CHECK YOUR E-BIKE**

### Step 1

Press the Button to Turn On the Battery as shown



### Step 2

Rotate the key to Turn On the Display as shown



Step 3 Press the Red Button to Turn On the Light as shown





### Step 4

Press the Green Button & Check the Beep





# **CHECK YOUR E-BIKE**

Step 5

Accelerate the Throttle & Check the Motor





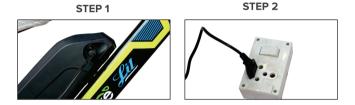
Step 6 Pedaling the Bike & Check the Motor





# **CHARGING GUIDE**

INSERT CHARGING PORT ON BATTERY FIRST, THEN INSERT CHARGING PLUG TO MAIN SOCKET.



#### THE CHARGING SIGNAL IS RED DURING CHARGING; IT TURNS TO GREEN WHEN FULLY CHARGED.



CHARGING



CHARGED

#### LOAD/UNLOAD THE BATTERIES

Please turn the keys left/right to lock or unlock the batteries. Because the battery is a relatively heavy component and likely to get loose as a matter of road vibration, make sure you have enough rigidity and support for your battery case assembly. If you cannot fit both water bottle bolts on battery frame, drill the required place on the battery frame. Use other type of belt fasteners in case you are not confident about the firmness of the fasteners.

# **OPERATING YOUR NEW E-BIKE**

#### **OPERATING SAFETY**

Make sure you read and understood this manual completely before turning on and operating your ebike. Ensure you understand how to turn on, activate the pedal assist and throttle.

CAUTION! For the first time you should ride in an open and safe area which is far from pedestrian, cars, other bikers or other objects that could be potentially dangerous. Start slowly in a low level of pedal assist for a period of time. This period of time could be different for individuals. When you feel comfortable and you have sufficient experience in riding the ebike, then move up pedal assist levels. The higher pedal assist levels will accelerate you to higher speeds more quickly. So, you have to be careful and be able to control your ebike precisely when riding the ebike at any speed.

**CAUTION!** Failure to fallow to the warnings and guidelines which is mentioned in this manual can lead to serious harm, injury or death. Damage sustained by the ebike from not following instructions, guidelines, and warnings in this manual is not covered under warranty.

AUTION! What E-bike riders need:

- be 16 or older
- wear an approved bicycle or motorcycle helmet
- keep your e-bike in good working order
- You also need to follow the same rules of the road as regular cyclists.

-You must check your local regulation to ensure that you are riding legally and safely. These laws may specify the need for mandatory equipment, use of hand signals, and where you can ride.

#### HOW TO TURN ON/OFF E-BIKE

-To power ON/OFF the Bike, please use power key on the right side of your handlebar. -To turn ON/OFF the LCD display, please use the Power Button that is located on the Button Pad on

the left handlebar.

#### TO TURN ON YOUR E-BIKE:

1. Please turn the Power Key to ON position.

2. Turn on the Power Button on the button pad so the display comes ON.

3.For CITO 20 Plus: If you want to use the second battery aswell, make sure the power key which is located

on the top left side of the second battery is in ON position.

#### TO TURN OFF YOUR E-BIKE:

1. Turn OFF the Power Button on the button pad, so display comes OFF.

2.Turn the Power Key to OFF position and take out the key.make sure the power key which is located

on the top left side of the second battery is in ON position.

# **INFLATING THE TYRES**

#### INFLATION LEVEL ON EACH TYRE IS DIFFERENT, PLEASE CHOOSE THE MAX INFLATION LEVEL ON YOUR TYRE BEFORE INFLATING

KILOP	ASCAL F		SI CONV	ERSION	TABLE
PSI	BAR	KPA	PSI	BAR	KPA
35	2.4	241	100	6.9	689
40	2.8	276	105	7.2	724
45	3.1	310	110	7.6	758
50	3.5	345	115	7.9	793
55	3.8	379	120	8.3	827
60	4.1	414	125	8.6	862
65	4.5	448	130	9.0	896
70	4.8	483	135	9.3	931
75	5.2	517	140	9.7	965
80	5.5	552	145	10.0	1000
85	5.9	586	150	10.3	1034
90	6.2	621	155	10.7	1069
95	6.6	665	160	11.0	1103



## TROUBLESHOOTING

THE TABLE BELOW IS BY NO MEANS A COMPREHENSIVE TROUBLESHOOTING GUIDE, BUT RATHER A GENERAL GUIDE FOR THE MOST COMMON ISSUES. EACH PROBLEM MUST BE LOOKED AT ON A CASE-BY-CASE BASIS. FOR ANY ADDITIONAL TROUBLESHOOTING HELP, REFER TO OUR CUSTOMER SUPPORT REPRESENTATIVE FROM CONTACT US

ISSUE	CAUSE	SOLUTION
Charger gets hot	This is normal	Give the charger plenty of space in a well ventilated room
Power cuts and screen turns off	Low charge	Charge the battery Reconnect and check
	LED display connector is loose	all other connections inside the controller housing
Mounting bracket is melted	Dust and dirt may cause loose connections between connection pins which can cause sparking that leads to melting	Make sure to frequently keep connections clean and secured. Order replacement parts
Battery does not charge up with standard charger	Battery is already fully charged	Read battery voltage when the system is on, Above 41V for 36V is considered full, and above

## TROUBLESHOOTING (CONTINUED)

ISSUE	CAUSE	SOLUTION
Battery does not charge up with standard charger	Charger does not function	Green LED may turn on when charger is plugged into battery but not connected to the wall. Check all connections are tight Try different plugs as well as different charger cables
System is on, Pedal Assist is not working, but the throttle is working	PAS sensor is disconnected	Check wires and connections or restore parameters to default
System is on and the throttle not working but the Pedal Assist is working	Throttle has a connection issues	Check connections
	Throttle magnet can see interference from any nearby metal objects	Try moving metal objects further away from throttle
	Error info 01	Check throttle positioning. Clean throttle area. It may be stuck on something, make sure you leave some space around the throttle
Motor making noise	This is normal when motor is under heavy load (hills, heavy cargo)	Try giving motor more assist under heavy loads
	Motor vibrations causing resonance on other bicycle components	Reposition parts and add vibration damping between parts, make sure motor is secured

## TROUBLESHOOTING (CONTINUED)

ISSUE	CAUSE	SOLUTION
System is on but motor has no power	Loose connections	Check connections and reconnect, make sure to align arrows
	Brake cut off sensor is malfunctioning	Disconnected the brake cut off sensor, check if motor is powering
	Battery not sufficiently charged	Check battery voltage,. If below 34V the system will turn on but motor will not give power
Everytime I restart the ebike the display clock needs be reset	LCD has small battery inside that does not come fully charged	Small battery needs to be charged for 72 hours. Refer to section 5.3.
Gears skipping	Derailleur not in optimal position for gear	Adjust derailleur position with barrel adjuster located on the shifter
Brakes making noise	Brake pads are rubbing on the rotor	Pads need to be adjusted. Adjust the cable tension to shift the left pad, use an Allen key to adjust the right pad. The pads should be adjusted so the rotor spins freely in the middle of the two pads
	Brakes not bedded in properly, material buildup is causing noise	Lightly sand and clean rotors and pads. Bed in your brakes.

## **TROUBLESHOOTING (CONTINUED)**

### • Vehicle Status Display Area

### Error Code Err



### Vehicle Status Code Meaning

Status Code (Decimal)	Status Meaning
0	The Normal State
1	Кеер
2	The Brake
3	Assist sensor fault (Riding logo)
4	6 km/H Cruise
5	Real-time Cruise
6	Battery under Voltage
7	Motor Fault
8	Turn the Fault
9	Controller Failure
10	Communication Receiving Failure
11	Communication Transmission Failure
12	BMS Communication Failure
13	Headlight Fault



# **SAFETY: BIKE FIT**

PROPER FITTING IS ESSENTIAL FOR A SAFE RIDE. A BIKE THAT IS EITHER TOO BIG OR TOO SMALL CAN BE EXTREMELY UNCOMFORTABLE AND DIFFICULT FOR THE RIDER TO CONTROL, POSSIBLY LEADING TO A RISK OF INJURY. MAKE SURE YOUR BIKE IS FITTED SO YOU DO NOT LOSE BALANCE OR CONTROL.

FRAME SIZE	RIDER LEG LENGTH
14.5″	25-26"
15"	26-27"
16"	27-28"
17"	28-30"
18"	29-31"
19"	30-32"
20"	31-33"
21″	32-34"
22"	33-35"
23"	34-36"
24"	35-37"
25″	36-38″

Your bike's saddle fit is equally as important as fitting the frame size to your leg length. Adjusting the saddle to fit you well allows you to pedal efficiently. A loose seat may cause you to lose control and fall.

The correct height of your saddle will be when (while seated on it), your knee is slightly bent when the crank is at the maximum down stroke or when the pedal is closest to the ground.

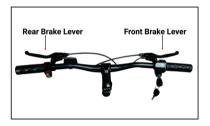
Adjust the saddle height by loosening the seat binder bolt or the quick release and move the seat post up or down as required. Re tighten the seat post tight enough so that you cannot twist the saddle out of alignment.

\*Note: After adjusting the saddle, adjust the handlebars for a safe and comfortable ride. When in doubt, ask your local bicycle retailer for advice.

## **SAFETY: BRAKE LEVERS & HANDLEBAR**

WARNING: The head stem should NEVER, under any circumstances be re-tightened with its "Minimum Insertion" or "Maximum Extension" mark visible.

### **CONTROLS POSITION AND ADJUSTMENT**



- Important Note:Front wheel brake lever must be mounted on the right hand side; rear brake lever on left hand side.
- Fit pedals to crank in correct order; pedal marked R on the right hand side; L on the left.

WARNING: If you are unsure about correct assembly and/or adjustment, seek advice from a qualified bicycle mechanic.

## SAFETY CHECK BEFORE RIDING YOUR BIKE

#### BRAKES

- Check brake pads for wear and ensure they are not over worn and are correctly
  positioned in relation to the rims. Make sure brake cables are lubricated, properly
  adjusted, and show no obvious wear.
- Pull the brake levers to make sure your brakes are free from damage and are working accurately. When you fully squeeze the brake levers, ensure neither the front or rear brake levers touch the handlebar. If you find a problem take your bike to a certified, trustworthy bike mechanic to have the brakes repaired.
- Your wheels should always spin straight. If they wobble side to side or up and down or if the wheels become untrue or spokes loosen, they must be repaired. Do not attempt to true or tighten unless you have adequate knowledge, tools and experience. It is highly recommended to ask a certified, reliable bike mechanic for repairment.

#### MOTOR DRIVE ASSEMBLY AND THROTTLE

Check all power cables running to the motor to be secured and undamaged and make sure the motor is spinning smoothly and motor bearings are in good working order.

#### **ELECTRICAL CABLES**

Check connectors to be fully seated and free from debris and make sure all cables and cable housing to be free from damage. Make sure headlight, taillight and brake light are functioning properly.

#### **BATTERY AND BATTERY CHARGER**

The battery MUST be locked onto the frame battery mount properly before use and make sure the battery is operating properly. It is recommended to unplug the battery charger from the outlet, and store it in a safe location before you ride.

# **BICYCLE TERMONOLOGY**

#### BREAKAWAY

A rider or group of riders that breaks away or separates themselves ahead of the group they are racing or riding with.

#### CADENCE

The number of revolutions of a bike's crank per minute, or the rate at which a cyclist is turning their pedals.

#### CHAIN GUARD

An enclosure for a bicycle chain and sprocket, typically used in utility bicycles. Protects the rider from getting trapped in the chain rings.

#### **CHAIN RING**

A round piece on your bicycle that connected the cranks to pull the chain around.

#### CRITERIUM

A multi-lap road bike race, usually less than a mile in length.

#### DERAILLEUR

Derailleur gears are commonly used on bicycles and consist of a chain, multiple sprockets, and a mechanism to move the chain from one sprocket to the other.

#### DRAFTING

Riding in the wind stream or slipstream of another rider ahead. Drafting another rider can expend about 30% less energy.

#### DRIVE SIDE

The side of the bike where the chain and other bicycle components are.

#### DOWNSHIFT

To shift into a lower gear.

#### DROPOUT

The slots on a bike frame in which the front and rear wheel axles are placed.

#### FREEWHEEL

A group of cogs screwed onto the rear wheel; allows you to coast.

## **BICYCLE TERMONOLOGY (CONTINUED)**

#### **GEAR RATIO**

The ratio of how many times the back wheel will rotate for each full turn of its pedals.

#### HARD TAIL

A type of full-suspension bike that features a suspension fork in front and a rear shock.

#### JUMP

A quick acceleration.

#### NEUTRAL SUPPORT

Refers to when a biker has mechanical issues and receives assistance from a group available to all riders.

#### **OVER-GEAR**

Using a gear ratio too big for your fitness level or terrain style.

#### PANNIERS

Bags that are mounted to front and/or rear racks for carrying gear; also commonly referred to as "saddlebags."

#### PATCH KIT

A kit for repairing flat tires, this usually fits in a small plastic box and should include patches, glue, and sandpaper.

#### PSI

Abbreviation for "pounds per square inch." This is a unit to measure tire inflation and air pressure.

#### QUICK RELEASE

A type of clamping mechanism used to hold on wheels.

#### **ROAD RASH**

A skin abrasion caused by scraping layers of skin against the road in a bike crash.

#### RIM

The outermost part of the wheel that the tire mounts to.

#### SLIP STREAM

A pocket of calmer air moving behind a rider (or the draft).









customercare.geekaybikes@gmail.com