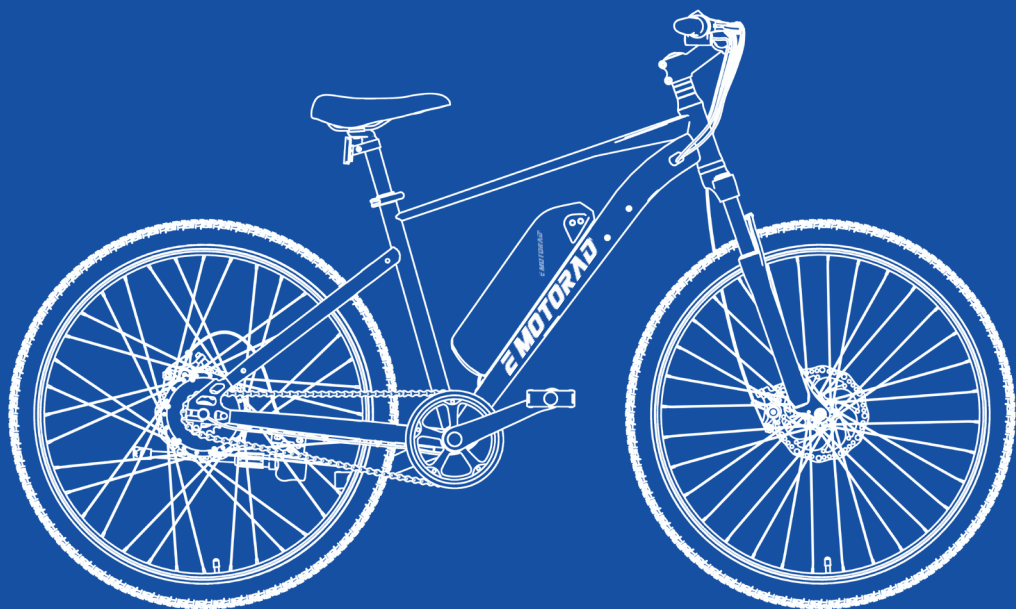


E MOTORAD

X1

QUICK START GUIDE



www.emotorad.com

X1



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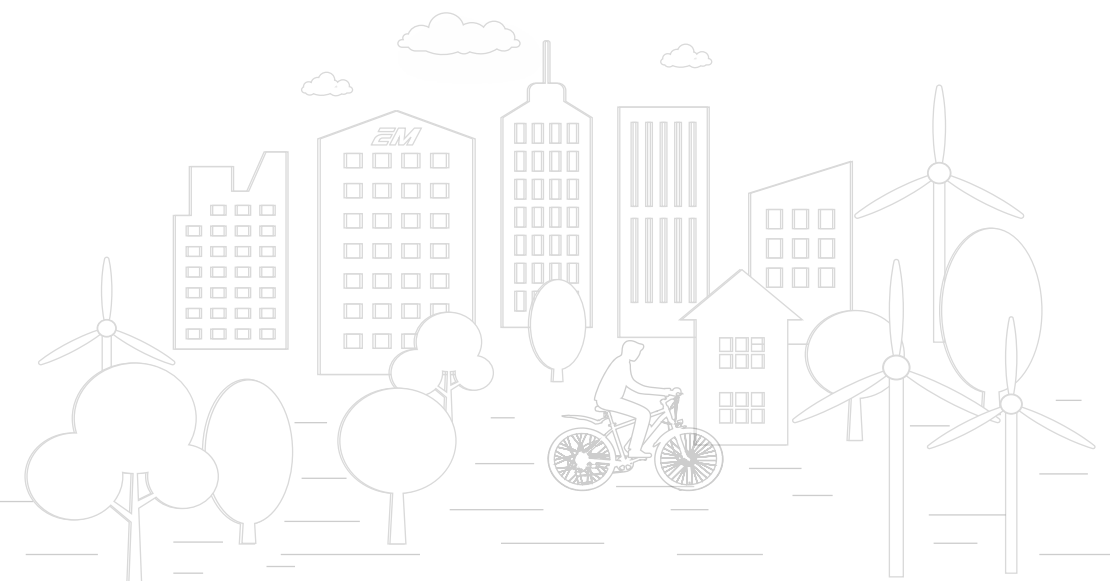
INTRODUCTION

Hey there rider!

Welcome to the world of e-cycling with EMotorad X1!

We're excited to have you join our tribe of riders who are not just embracing urban mobility, but also doing so in style. This manual is designed to help you assemble your electric cycle and get to know its features so you can fully enjoy your riding experience. Safety is our top priority, so please read this manual carefully before you start riding. If you have any questions or need assistance, don't hesitate to contact our customer support team.

Happy riding!

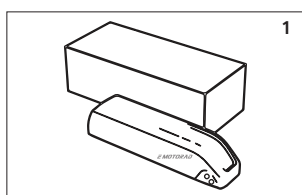


THE TOOL GUIDE

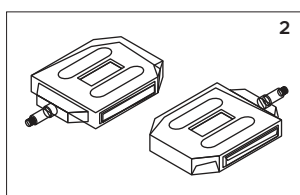
Tools you must keep handy before assembly:

- A Pair of Scissors (Not Included)
- Kit Box (Included)

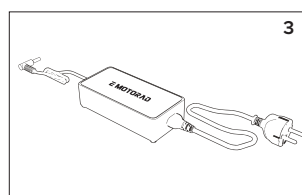
KIT BOX



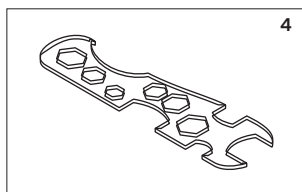
Battery Box



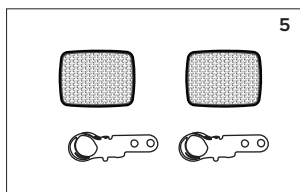
Pair of Pedals



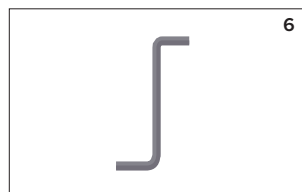
Charger



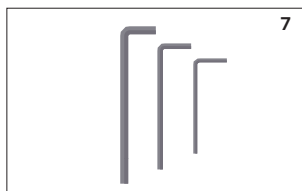
Multi Spanner



Front and Rear Reflector



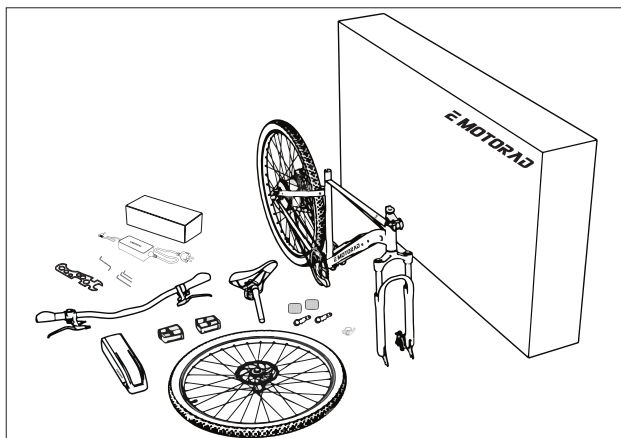
Z Allen Key
(5mm, 6mm)



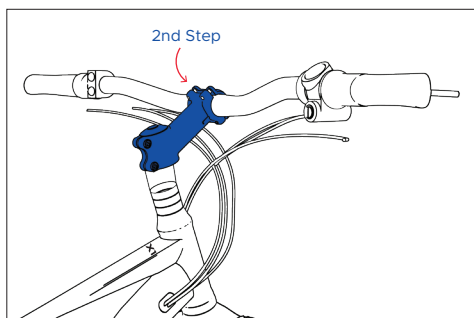
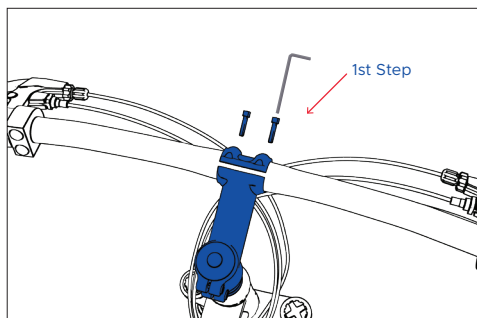
Allen Keys
(4mm, 3mm, 2.5mm)

UNBOXING & ASSEMBLY

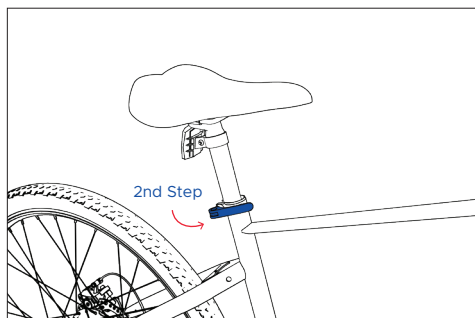
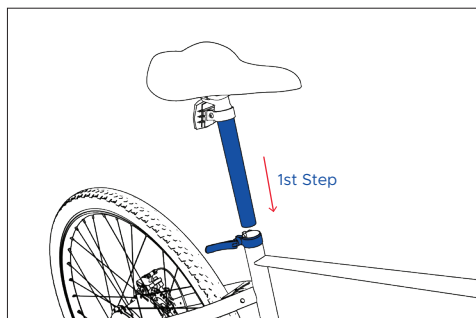
- Open the box and take out the accessories and battery box from the main box, which has the front wheel packed with the ebike frame. Remove all the protective wrapping from the e-bike.



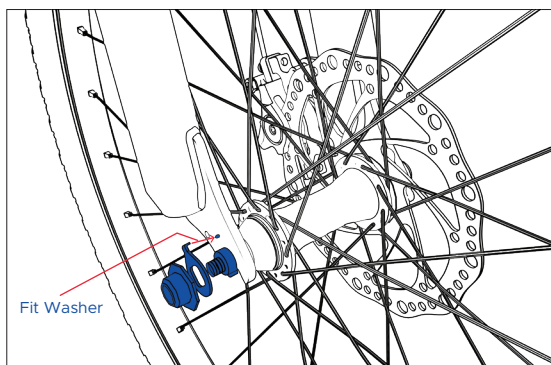
- Remove the handlebar clamp from the stem with a 4mm Hex key.
- Mount the handlebar by loosening the screws to first remove the stem clamp.
- Ensure the handlebar is aligned at the centre. Make sure there is an even gap between the ends of the stem clamp and then screw it on.



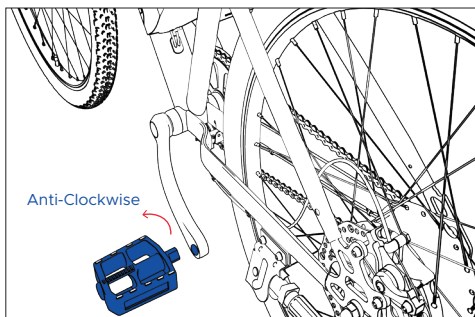
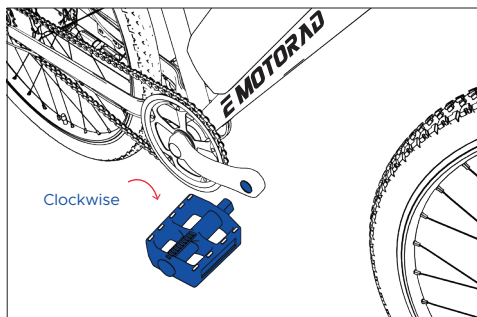
- ▶ Assemble the reflectors by sliding the bracket into the reflector groove and tightening the screw.
- ▶ Mount the seat post by opening the quick-release lever on the seat tube and insert the seat post.
- ▶ Adjust the seat to be level with your hip height. Insert the seat post and tighten the clamp.



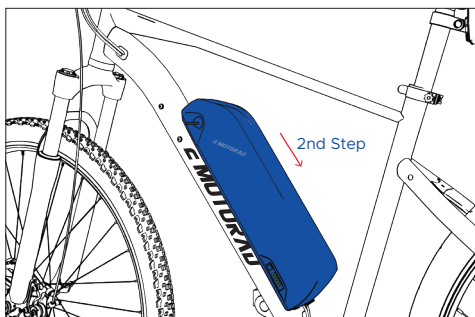
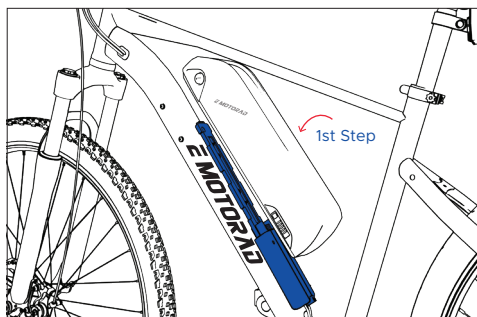
- ▶ For this step, you'll need a friend to help lift the front of the e-bike to install the wheel. Since this is a bolt and nut axle, there are two parts: the washer with the hook and the bolt.
- ▶ Make sure the hook on the washer fits into the hole on the dropout, then install the nut.



- ▶ Installing the pedals is straightforward. Use the 15mm wrench provided in the toolkit.
- ▶ For your convenience, the pedals are marked "Left" and "Right." Note that the left pedal tightens anti-clockwise, while the right pedal tightens clockwise.



- ▶ Securely place the battery onto the controller, ensuring it is firmly fixed. Then insert the key in the battery to lock it in place and press the switch button to activate the battery.



Your X1 e-bike is now assembled and ready to ride!

FEATURES



BATTERY INDICATOR

Stay informed about your battery status with the easy-to-read battery indicator. Located conveniently on the handlebar, this feature allows you to monitor your battery status at a glance. The indicator displays real-time battery levels, helping you plan your rides better and avoiding unexpected power shortages. Whether you're commuting to work or enjoying a leisurely ride, you can rely on the battery indicator to keep you updated on your e-bike's power reserves.



REMOVABLE BATTERY

Experience extended rides with a powerful 7.65Ah removable battery. Charge anytime, anywhere with ease, allowing you to get back on the road faster and hassle-free. Designed for efficiency and longevity, it provides ample energy to cover long distances. Its compact size ensures it fits seamlessly into the e-bike's frame, maintaining a sleek and stylish appearance. The 7.65Ah capacity means you can enjoy a full day of riding, knowing that your e-bike has the endurance to match your adventurous spirit.



HIGH-PERFORMANCE MOTOR

Feel the power of the 250 watt motor, delivering a smooth and robust performance. It's engineered to provide optimal assistance, making uphill climbs and long-distance rides easier and more enjoyable. With 250 watts of power, cruise through various terrains with confidence and ease. The motor operates quietly, ensuring a peaceful and pleasant riding experience on all journeys.



THROTTLE

Take full control of your ride with the X1's throttle feature. The throttle allows you to effortlessly accelerate without pedalling, providing an extra boost when you need it. Perfect for those moments when you need a quick start or want to take a break from pedalling, the throttle enhances convenience and versatility. Whatever the terrain, the throttle ensures a smooth and enjoyable ride.





INTERNAL CABLE ROUTING

Experience a cleaner, more streamlined look with the X1's internal cable routing. By housing cables inside the frame, this design not only enhances the e-bike's aesthetic appeal but also protects cables from damage and dirt, ensuring they last longer and perform better. Internal cable routing minimises maintenance and maximises performance, providing a sleek and modern riding experience.



FRONT SUSPENSION

Enjoy superior comfort and control with the X1's 100mm travel front suspension system. Designed to absorb shocks and bumps from rough terrains, the front suspension ensures a smoother ride, reducing strain on your wrists and shoulders. Whether you're navigating city potholes or taking on rugged trails, the front suspension enhances your ride's comfort and stability.



SUPERIOR BRAKING

Safety and reliability are at the forefront with the X1's disc brakes featuring an auto cut-off system that immediately disengages the motor when the brakes are applied, providing an extra layer of safety. Whether it's a sudden stop in traffic or a quick halt on a steep descent, it provides superior braking performance and control, enhancing your overall riding experience.

CARE FOR YOUR E-BIKE

To ensure the longevity and optimal performance of your e-bike, regular maintenance and proper care are essential. This guide provides practical tips and recommendations to help you keep your e-bike in top condition. From cleaning techniques to lubrication tips, we've got you covered. Read on to learn the best practices for maintaining your e-bike and ensuring a smooth, enjoyable ride every time.



REGULAR CLEANING

- **Wipe Down:** Regularly clean your e-bike with a damp microfiber cloth to remove dirt, dust, and debris. Avoid using high-pressure water, as it can damage electrical components.
- **Frame Cleaning:** Use EMotorad's Catabolic frame cleaner solution to clean the frame for a thorough cleanse.
- **Chain Maintenance:** Clean and lubricate the chain regularly to prevent rust and ensure smooth operation. Use EMotorad's ChainSlick lubricant for best results.
- For more thorough maintenance, consider cleaning your e-bike every 300-500 km.
- When washing your e-bike, please avoid the brake rotor as much as possible and prevent any kind of oil or liquid spills on it.



BATTERY CARE

- Only use the charger provided by EMotorad.
- Store the battery in a cool, dry place away from direct sunlight and heat sources.
- Avoid storing the battery at full charge or completely empty for extended periods.
- Periodically check the battery's charge level and top it up to around 60-80% if not in use for an extended period. This helps maintain battery health.
- If your e-bike gets caught in the rain, use a cloth to wipe down the battery and wait for it to dry before reconnecting it to the e-bike.
- Do not touch the battery terminals.
- Turn off the battery when not in use.
- The battery should not be difficult to attach or remove. Do not force it to avoid damage or injury.



- If the battery has trouble charging, discontinue charging and contact EMotorad immediately.
- Only grab the charger by the plug, not the cable, when plugging and unplugging.
- To ensure the health and longevity of the battery, make sure the battery is switched off before removing it from the frame.



BRAKE MAINTENANCE

- Inspection: Regularly inspect brake pads for wear and replace them when necessary.
- Ensure that the brake lever does not touch the handlebar. If it does, please contact our helpline for assistance.



TYRE MAINTENANCE

- Pressure Check: Check tyre pressure regularly and maintain it within 45-55 PSI. Proper tyre pressure ensures better traction and ride comfort.
- Replace tyres if they show signs of damage or significant wear. Keep in mind that different types of terrains affect the tyres differently.



ELECTRICAL COMPONENTS

- Connection Check: Periodically check all electrical connections and wiring for any signs of wear, damage, or loose connections.
- Display and Controls: Ensure the display and control buttons are clean and functioning correctly.
- Avoid exposing them to excessive moisture.



STORAGE

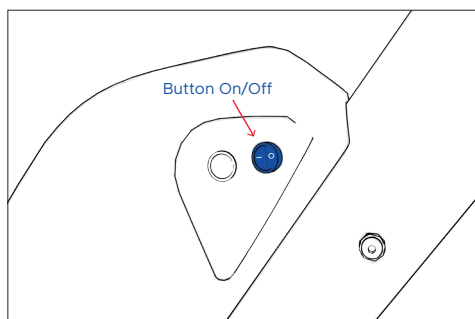
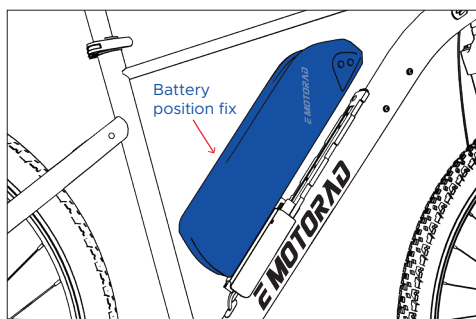
- Indoor Storage: Store your e-bike indoors in a dry, cool place to protect it from natural elements.
- Long-Term Storage: If storing your e-bike for an extended period, clean it thoroughly, charge the battery to around 60-80%, and store it in a cool, dry place.
- Keep the tyres inflated even when the e-bike is not in use to prevent wear and tear.

OPERATING THE BATTERY

Your X1 e-bike comes with a 36V 7.65Ah lithium-ion battery which features a unique set of keys for keeping it LOCKED/UNLOCKED to the frame. This section provides instructions on how to charge and maintain the battery effectively, without breaking a sweat.

BATTERY POSITIONS:

- To Unlock & Lock: Turn the key anti-clockwise to remove the battery from the frame, and clockwise to lock it in place.
- Turning the Battery On: Press the button on the side of the battery to turn it ON. The battery is locked to the frame, and the power is active.
- Turning the Battery Off: Press the button to turn the battery OFF. The battery is locked to the frame, but the power is not active.

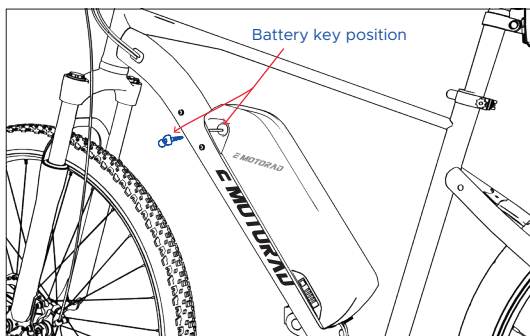
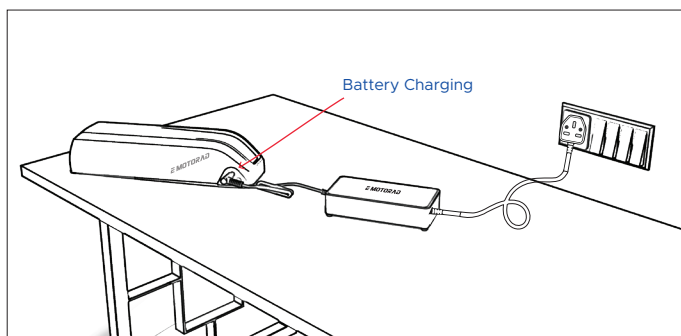


CHARGING YOUR BATTERY

Locate the charge port on the side of the battery. You can charge the battery while it is attached or detached from the E-bike.

- Initial Charge: The battery comes with a charge between 20-60%. Plug it in to ensure it is fully charged before your first ride.
- Battery Removal: Insert the key into the lock on the underbelly of the frame, push firmly, and turn counterclockwise to unlock. Slide the battery out of the frame.
- Battery Locking: Insert the key into the lock and turn clockwise to lock the battery.

- **Charger:** Use only the provided EMotorad charger.
- **Charging Indicators:** The charger light is red while charging and turns green when charging is complete. Charging takes approximately 4-5 hours if the battery is mostly empty.
- **Safety:** Ensure no dirt, debris, or flammable items are near the charger. Avoid leaving the charger plugged in when the battery is fully charged.
- Do not charge the battery if it is damaged, excessively hot, leaking, smells, or is discoloured.
- Store the battery indoors in a dry space, away from heat or flame sources and out of direct sunlight.



A NOTE ON WEAR AND TEAR

Some components of your e-bike are subject to wear and tear due to their function. This is a natural part of using your e-bike. The rate of wear and tear depends on the care and maintenance of your e-bike as well as on the way of your usage. Kilometres travelled, rides in the rain, dirt, and gravelly terrains all affect the condition of your e-bike. If the e-bikes are left standing out in the open often, they may be subject to increased wear and tear through weathering.

Some components require regular care and maintenance. Nevertheless, sooner or later they will reach the end of their service life, depending on conditions and intensity of their use. Parts that have reached their limit of wear and tear must be replaced.

This applies to the following parts:

- Chain
- Grip coverings or bar tape
- Chain rings
- Sprockets
- Pulleys
- Brake, Gear cables and housing
- Tyres and tubes
- Saddle covering (leather)
- Disc rotor and Brake pads
- All bearings (Headset, Hubs, and Bottom Bracket)

Caution: Do not use your e-bike for high strain cycling like competitive events or in hilly terrains as that would lead to damage.

Note: Remember that the overall performance of your e-bike will be affected by the condition of its specific components. Please ensure that you are not straining any component excessively, carrying out regular maintenance checks and adhering to the replacement suggestions provided in this manual. For any doubts contact your dealer or any other expert immediately.

SERVICE CHECKLIST

MONTHLY		
Regular Cleaning	Frame	Use a low-pressure water stream or a damp cloth, scrub gently, and then dry. Avoid getting electrical components wet. Advisable to do so after every ride. Use EMotorad Catabolic Frame Cleaner for best results.
	Drivetrain	Use a Bicycle Drivetrain Degreaser on the chain, flywheel, and chainrings. Clean deeply to remove dirt and dust. Clean before lubricating the chain. Advisable to do so after every 3 months for regular riders. Use EMotorad SwipeShine Drivetrain Cleaner for optimal performance.
	Chain	Use a low-pressure water stream or a damp cloth, scrub gently, and then dry. Avoid getting electrical components wet. Use EMotorad ChainSlick Lubricant for a smoother ride. For dry conditions, it's recommended to apply chain lube every 300 to 500 kilometres. For wet conditions, it's recommended to apply chain lube every 250 to 300 kilometres.
	Wheels	Check for loose spokes every 1000 km.
	Tyres	Check tyre pressure weekly and before every ride. Maintain per the specified limits on the tyres.
	Bolts	To ensure all bolts and nuts are tightened, drop your e-bike from knee height and listen for any unusual sounds. If you hear any, tighten the corresponding bolt accordingly. Advisable to do so after every 2000 km run to ensure a safe and smooth ride.
	Forks	Please lubricate the fork stanchions whenever you lube the chain with EMotorad ChainSlick. Advisable to do so after every e-bike wash and ride in the rainy weather.
EVERY 6 MONTHS (AT AUTHORISED DEALER)		
Thorough Cleaning	Brakes	Clean brakes and brake pads to avoid squeaks. Replace worn brake pads.
	Tyres	Check for worn-out tread and replace tyres if necessary. It is advisable to replace them after covering 3000 km to 5000 km for optimal performance.



	Chain	Check the chain wear and tear using a chain wear indicator tool. Replace the chain after covering 3000 km to 5000 km for smoother rides.
	Front Hub	Clean and regrease the bearing inside the hub. Advisable to do so pre-summer and every rainy season to avoid wear.
EVERY YEAR (AT AUTHORISED DEALER)		
Complete Overhaul	All components	Disassemble the e-bike completely. Clean and regrease all threaded components upon assembly.
		Inspect the frame, suspension, and all components. Repair/replace parts as needed. Advisable to do so pre-summer and every rainy season to avoid wear.
		Degrease the drivetrain and replace the chain, considering weather conditions.

WARRANTY COVER



EMOTORAD WARRANTY POLICY

At EMotorad, our first guiding principle is "The Rider is the Boss." We stand behind the products that we sell. For this reason, we're pleased to offer one of the industry's most generous and rider-friendly warranty policies.

REPAIR OR REPLACEMENT OF COMPONENTS

IMPORTANT!

To validate this warranty, the retail customer must register the e-bike at www.emotorad.com within 15 days of purchase.

- ▶ We offer an extended warranty policy for 5 years for EMotorad steel alloy frames to the original owner against structural defects in material or workmanship on various e-bikes as listed below.
- ▶ Other EMotorad branded products (as well as frame paint and graphics) are covered by a one-year warranty.
- ▶ This warranty is limited to the original purchaser only. Proof of purchase is required to validate protection under warranty. Transport costs are not included.
- ▶ We offer 12 Months warranty on the motor from the date of original Purchase, 12 Months warranty on the controller and 24 months warranty on the battery.
- ▶ The battery warranty does not include damage from power surges, use of non-original chargers, improper maintenance, or water immersion.
- ▶ Accessories (for example: helmet, wire lock, pump.) are not covered by this warranty policy

Only use this product in accordance with this user manual. EMotorad offers a warranty on the following items.



09



Main frame (High Tensile Steel Alloy)	Five years
Motor shell, Hub motor, Controller	One year
Battery	Two years
Electronic handlebar controls and electrical connections, Battery Charger*	Six Months
Paintwork (excluding accidental or deliberate damage)	One year
Lights and lighting system	Six Months

- All Mechanical parts are only covered for Manufacturing Defects. There is no warranty period on handlebars, stem, bearings, drivetrain parts, brakes, wires, wire housings, tyres, tubes, rim or wheels, hubs, seat or saddle, seat post, clamps, grips, headset parts, pedals, brake callipers, bottom bracket, disk, brake pads and mudguards.
- Display, Throttle, LED Light, Pedal Sensor, Charger come with a 6 Months warranty.

If any manufacturing defect(s) is found in our product, the Company will repair or replace the defective part(s) with new part(s) or equivalent at no cost, provided the Product is within warranty period of 1 year and the malfunction is caused due to faulty material or workmanship during manufacturing. The decision to replace or repair the defective part will rest solely with the Company. We also reserve the right to replace the defective part with parts, similar or different to the defective part, as per the availability of such parts.

TERMS & CONDITIONS

1.	If the product has a quality fault within 15 days of delivery, the faulty part will be assessed and then repaired or replaced.
2.	The period of assurance shall commence from the day delivery was made to the retail customer, or from the day the retail customer collected the bike from the retailer.
3.	To validate this warranty, the retail customer must register their e-bike within 15 days of purchase.

All parts that have been replaced under warranty must be returned to the company and will be company's property. Parts' replacement will be subject to below terms & conditions:

-
- The company or our authorised dealers will repair or replace only the parts that are failing in quality.
 - Only the company or its authorised dealers can repair, service or assemble/ reassemble product and it shall be the responsibility of the customer or purchaser to bring the faulty product to our dealer premises.
 - This warranty does not cover corrosive parts, plastic, PVC and rubber components or the accessories adding to the decorative value of the product.
 - Photocopy of sales invoice and serial number of the product has to be shared with the company.
 - The battery used in product is a special application battery meant only for electric cycles. Do not use these for any other application or product.
 - The company reserves the right to change or withdraw any or all terms of the warranty policy without any prior intimation.
 - All products should be periodically checked as per the recommended service schedule by our authorised dealer for indications of potential failures including cracks, wire damage, corrosion, dents, deformation, paint peeling and any other indications of potential problems, inappropriate use or abuse. These are important safety checks and imperative to help prevent accidents, bodily injury to the rider and shortened life cycle of a product.
 - Since lithium-ion batteries have the tendency to self-degrade, mileage per charge will reduce with ageing.

This warranty is not applicable in any of the following conditions:

- If any repair work is carried out privately or by any unauthorised dealer or personnel or if the damage is due to irregular maintenance.
- Damage resulting from misuse, not maintaining the vehicle or not following the guidelines within our user guide or using the vehicle for any kind of competitive sport.
- Failure to register the e-bike within 15 days of purchase.
- Spare parts and components worn in normal use.
- Any special equipment or accessories added by the customer with an intention to enhance the performance, speed or comfort of the product, is not included in this warranty. In the event of any such alteration or addition, the warranty will stand null and void.
- If a photocopy of the sales invoice is not received with defective product, warranty will be counted from date of manufacturing till time period defined as above.
- Fading of parts like paint, stickers and plastic parts due to direct exposure of sunlight is not covered under the warranty.

-
- The Company is not responsible for loss or damage whatsoever (including incidental or consequential damages) arising from use of the product. Any claims under this warranty must be made through an authorised dealer.
 - The warranty stands null and void if :
 - The serial number /identification code is deleted, defaced, altered, effaced or removed
 - Used for more than permissible load of 110kgs.
 - Used for stunts, competition or jumping, acrobatics, bicycle moto-cross, dirt biking or similar activities as all units are not designed or intended for such purpose or usage
 - Any kind of tampering observed with the parts/product
 - Modified/altered components for any specific use other than a personal transport
 - Transportation, delivery, labour and handling charges incurred in the replacement of parts are not covered under this warranty, and shall be borne by the customer
 - This warranty is void in its entirety by any modification of the frame, fork or components
 - Resold to any other person/company
 - Damage caused by an accident or malfunction or misuse caused to the Product by the acts of persons, intentional or otherwise, including but not limited to misuse or mishandling, fire or any act of God
 - Nonfunctional parts due to natural wear and tear, ageing, defects resulting from misuse/ improper handling or negligence by the rider or Product is altered by component parts substitution are not covered under the warranty.

This warranty is valid only within the geographical boundaries of the Republic of India. EMotorad reserves the right to change this warranty policy at its sole discretion without any prior notice. In case of any dispute with the customer, the courts of Mumbai, Maharashtra, India shall have exclusive jurisdiction to settle any dispute.



SHIPPING DAMAGE CLAIMS

Immediately inspect whether the packaging is intact when receiving the goods. If you see obvious damage to the product, you can choose to reject and contact us in time. We will not accept claims for shipping damage later than 24 hours from the receipt of the product.

WARRANTY REGISTRATION



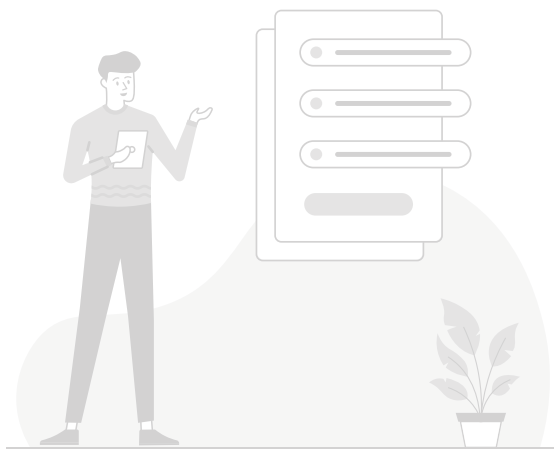
HOW TO REGISTER?

Registering your EMotorad X1 e-bike for warranty is a simple and essential step to ensure you receive the best support and coverage for your new purchase. Follow these easy steps to complete your warranty registration:

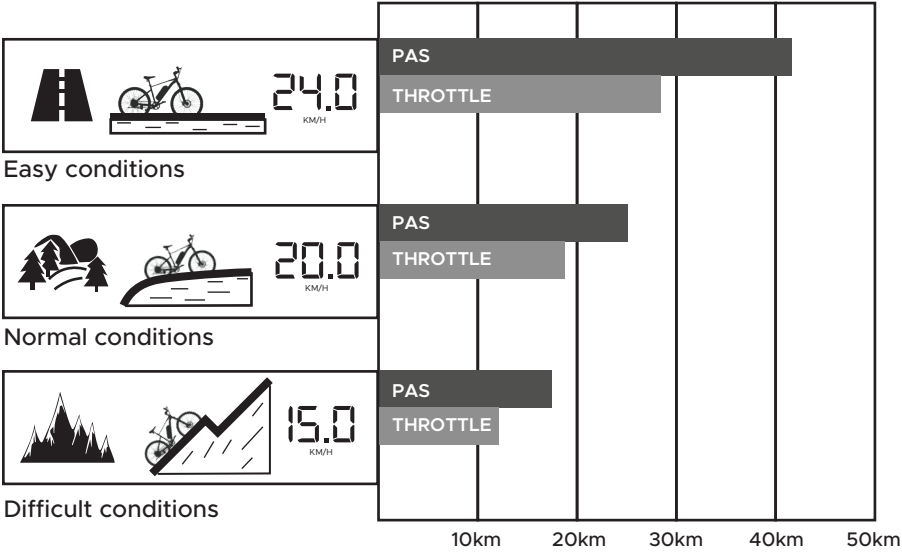
- Find the frame number of your e-bike. It is typically located on the frame, near the crankset or on the rear of the e-bike.
- Ensure you have proof of purchase, such as a receipt or invoice, which includes the date of purchase and the retailer's information.
- Go to the EMotorad official website and navigate to the 'Warranty Registration' section. You can find this under the 'Assurance' section on the website.
- Complete the online registration form with your full name, contact information (email address and phone number), e-bike model and frame number, select source of purchase, invoice number, and upload a copy of your invoice file.
- Double-check all the information you have entered to ensure accuracy. Once you are confident everything is correct, submit the form.
- If you encounter any issues during the registration process, or if you do not receive a confirmation email within a reasonable timeframe, please contact EMotorad customer support at contactus@emotorad.com or call +91 8686050590.

By registering your EMotorad X1 e-bike, you ensure that you are protected under our warranty policy and can enjoy peace of mind while riding.

Thank you for choosing EMotorad! We hope you have amazing adventures ahead.



E-BIKE RANGE



*The above mentioned range is subject to vary depending on rider weight and other conditions.

EM



www.emotorad.com

For General Enquiries

+91 8686050590 | contactus@emotorad.com

For Service Related Queries

+91 8956248161 | service@emotorad.com