

XOVR

USER MANUAL 2024



X1

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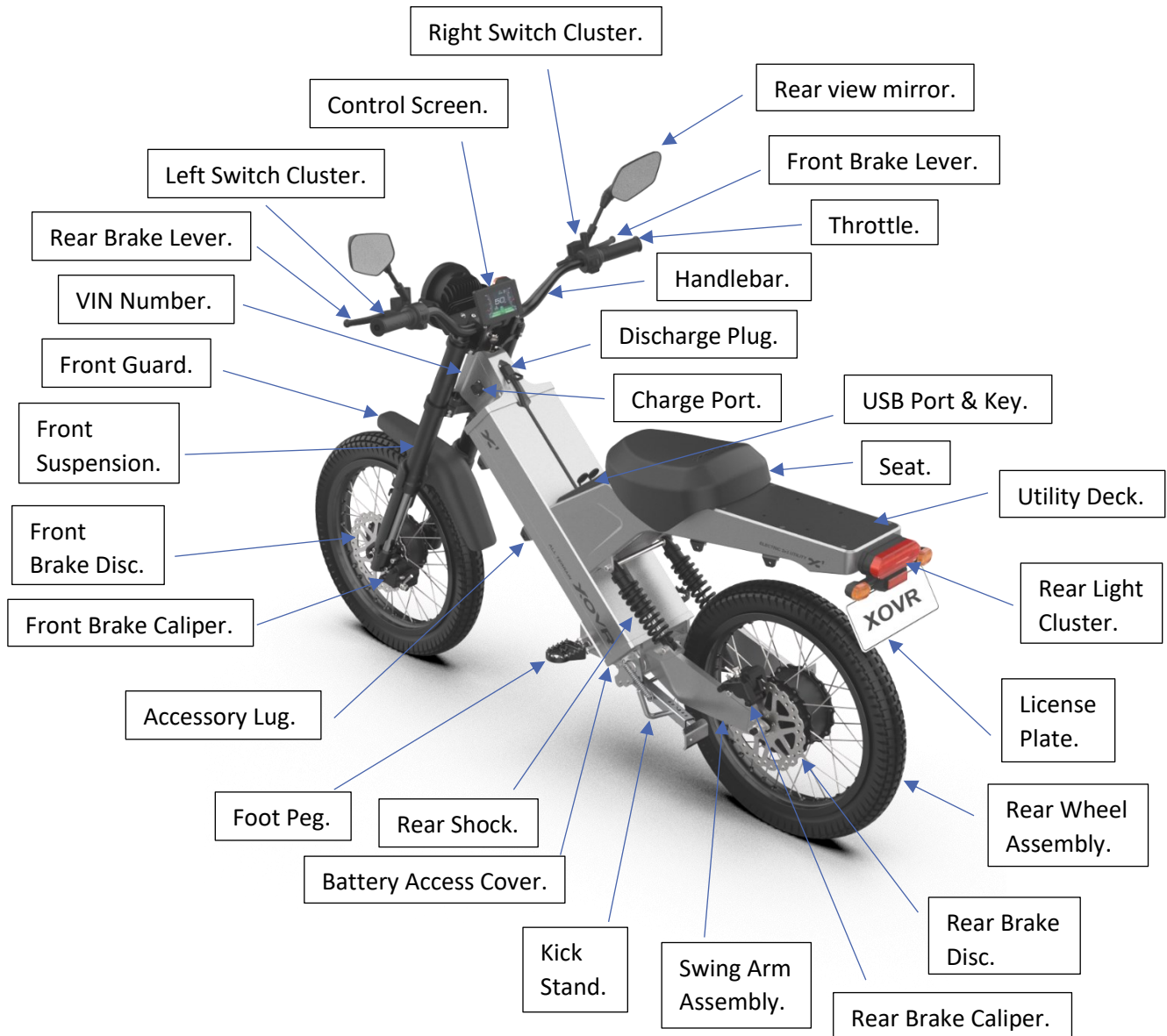
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1 REGISTRATION DETAILS

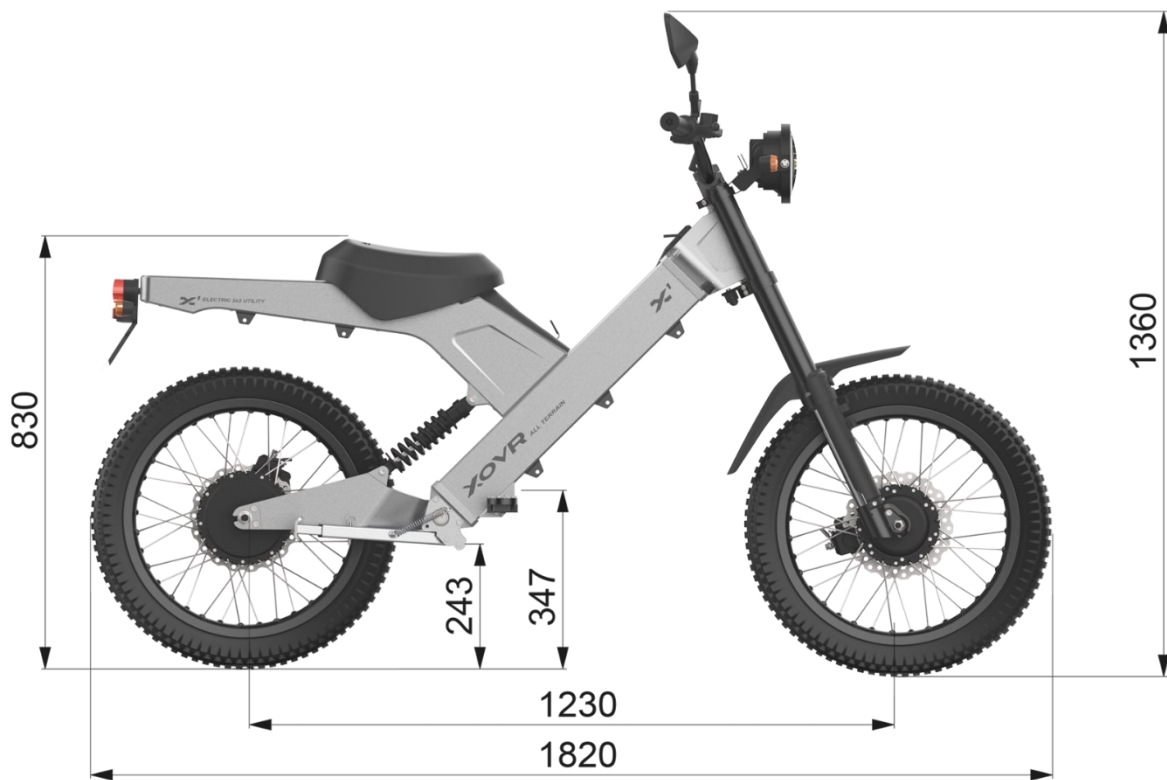
MODEL	
VIN NUMBER	
LICENSE PLATE NUMBER	
PURCHASE DATE	
PRODUCT CONDITION	
DEALER	
DEALER CONTACT INFO	
LOCAL SERVICE AGENT	
TESTED BY	
DATE TESTED	

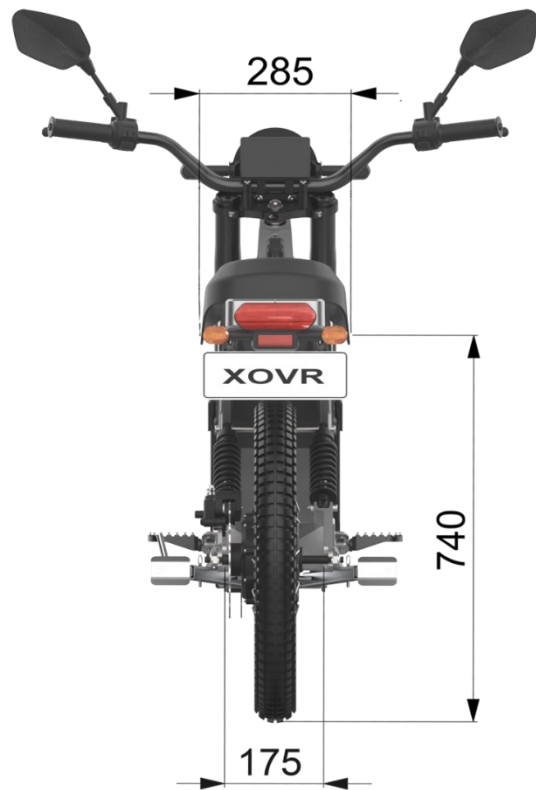
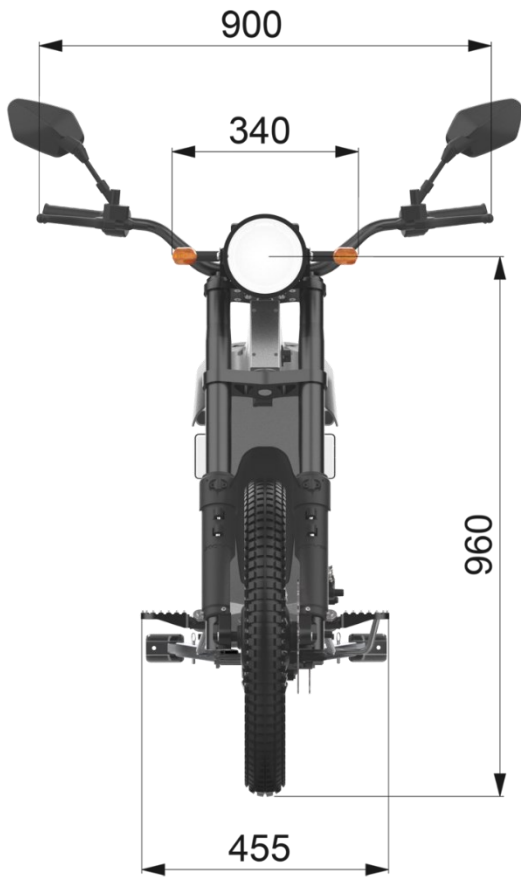
2 GET TO KNOW YOUR BIKE





3 SPECIFICATIONS





Dimensions and weight		
Weight	85 kg	187 lbs.
Height	125cm	50"
Seat Height	82cm	33"
Handlebar Width	81cm	32"
Length	182cm	72"
Wheelbase	123cm	48"
Front Tire / Rear Tire	2.75-17" - YuangXing	2.75-17" - YuangXing
Maximum Load Capacity (including rider)	150 kg (130kg at the rear)	330 lbs.
Overall Dimension	185cm x 88.5cm x 126cm	
Ground Clearance	27cm	
Rim and Hub	1.4 x 17" Alloy - Xingtai Rim Hub, Hebei	
Construction		
Frame	Anodized Alloy	
Rear Swing Arm	Anodized Alloy	
Lights	LED - TaiFa LED Factory, Taizhou	
Screen	T743KT – Easy Own	
Controller	Sushou Simark	
Handlebar	74cm - Jinji auto parts Wenzhou	
Brakes	Hydraulic - Jinji auto parts Wenzhou	
Brake Discs	220 mm x 4mm - Jinji Auto Parts Wenzhou	8.7" x 0.12" - Jinji Auto Parts Wenzhou
Suspension	100 mm front stroke, 150 mm rear stroke, adjustable	
Absorber front forks	Adjustable cylinder hydraulic front reduction, spring hydraulic, double back reduction - Yi Shuo Sports Equipment, KunShan	
Motive		
Maximum Speed	50 kph	30 mph
Drive Train	1000 W rear geared hub, 1000 W front geared hub - Bafang	
Maximum Peak Power 35 amp	1.8kw (rear) + 1.8kw (front) = 3.6kw = 4.8hp	
Maximum Total Power 31 amp (at wheels)	1.62kw (rear) + 1.62kw (front) = 3.22kw = 4.3hp	
Motor Speed (rpm)	450±5r/min	
Combined Motor Peak Torque	90nm (rear) + 90nm (front) = 180nm	

Battery - Veken	
Battery	21700 cells, 48 V, 75 Ah, 3.6 kWh, 4–7-hour charge time
Battery Voltage Max	53V
Continuous Battery Output Current	75A
Battery Type	Removable
Distance Per Charge	60-150km
Classification	
Vehicle Class	NZ: LA (moped) AU: LA (moped) US: Motor driven cycle/moped EU: L1e-B

4 SAFETY GUIDELINES

To ensure optimal performance, safety, and longevity, please adhere to the following guidelines:

Throttle Usage:

- ⚠ Avoid grasping the throttle while embarking or disembarking to prevent unintentional acceleration.
- ⚠ Utilize the horn when necessary to alert other road users to your presence.

Loading Conditions:

- ⚠ Do not overload the motorcycle; adhere to recommended loading conditions.
- ⚠ Excessive weight can compromise handling performance and increase the risk of accidents.

Jumping:

- ⚠ Avoid motocross-style operations or jumping, as this may overstress structural components and lead to premature failures.

Water Exposure:

The motorcycle is suitable for wet conditions, wash-down with a garden hose.

- ⚠ Do not submerge or use high-pressure cleaning.
- ⚠ Avoid spraying water directly on electrical components.

Storage:

Store the motorcycle under cover to reduce the risk of corrosion and premature component failure, especially in wet environments.

- ⚠ Store the motorcycle under cover to reduce the risk of corrosion and premature component failure, especially in wet environments.

Battery Health:

Store the motorcycle at mid-charge for optimal battery health during long-term storage.

Maintain the battery above 30% charge during regular operation to prolong battery life.

Regular Inspection:

⚠ Perform pre-ride visual inspections of critical drivetrain, control components, and fasteners to ensure a safe riding experience.

Regular Cleaning:

⚠ Clean the motorcycle regularly to prevent the buildup of mud and contaminants that can accelerate corrosion and seal wear.

Electronics Compartment:

⚠ Do not access electrical compartments without guidance from a trained service agent to prevent damage to electronic components.

Brake Maintenance:

⚠ Do not apply lubricant to brake discs or pads, as it may reduce braking performance.

⚠ Keep lubricants away from brake components to prevent contamination.

Personal Protective Equipment (PPE):

⚠ Check local law enforcement requirements for PPE and use it as directed for a safe riding experience.

Adhering to these guidelines will contribute to the motorcycle's safety, and overall longevity. Regular maintenance and responsible operation are essential for a positive riding experience.

5 UNPACKAGING

Nearly Fully Assembled:

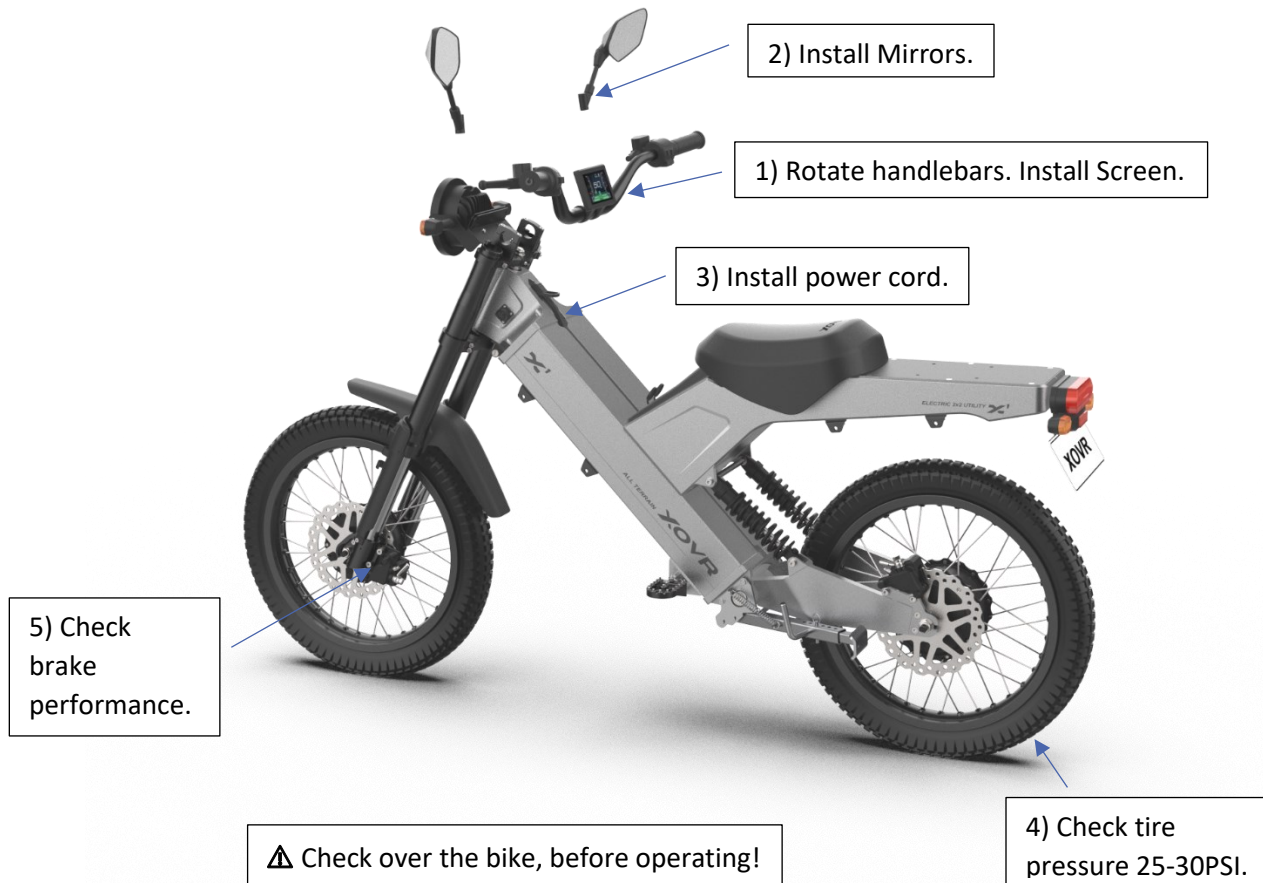
- Your bike arrives partially assembled for your convenience.
- It is securely strapped within a sturdy steel frame to ensure safe transportation.

Packaging Details:

- The steel frame and bike are carefully enclosed in a protective cardboard box for added security during shipping.

Handlebar Assembly:

- Upon receiving your bike, the handlebar will require assembly.
- To complete this step, carefully rotate the handlebar to the desired position.
- Secure the handlebar by bolting it to the fork assembly using the provided bolts.
- These straightforward assembly steps have been designed to make the process simple and efficient. Should you have any questions or require further assistance, please refer to the comprehensive assembly manual included with your bike.



6 ASSEMBLY

Depending on the method of sale (via an agent or online), additional assembly may be necessary. Common assembly tasks include:

Handlebar:

- Adjust the handlebar to the desired position and secure it in place.

Front Wheel Assembly:

- Install the front wheel onto the fork assembly, ensuring proper alignment and secure attachment.

Rear Wheel Assembly:

- Attach the rear wheel, ensuring it is securely fastened to the frame.

Front Mud Guard:

- Install the front mud guard to protect against splashes and debris.

Rear View Mirrors:

- Attach the rearview mirrors for enhanced visibility and safety.

License Plate:

- Securely mount the license plate in the designated area.

These assembly tasks are straightforward, and comprehensive instructions are provided in the assembly manual. Depending on your purchase location, you may need to perform these tasks to ensure your bike is fully operational and ready for use. If you have any questions or need further guidance, refer to the included assembly manual or contact customer support for assistance.

7 PRE-RIDE CHECKS

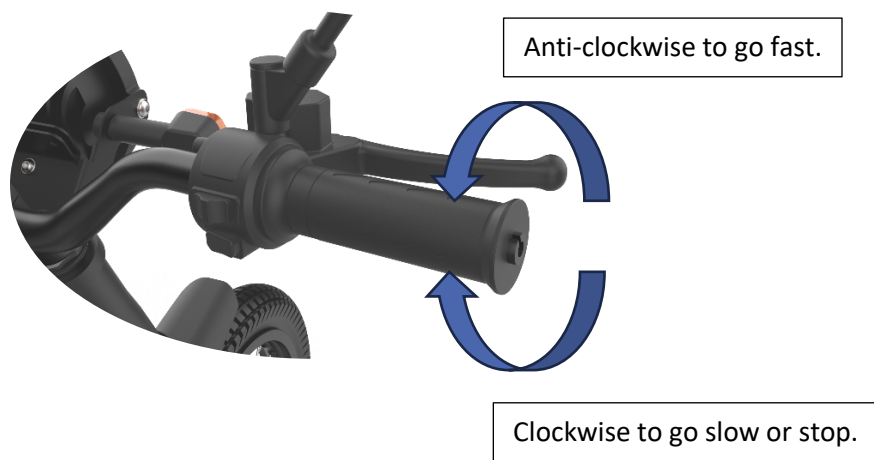
A pre-ride inspection should be performed before every ride to confirm that the motorcycle is in safe working order. DO NOT operate this motorcycle if it is materially defective in operation, damaged, or missing safety-related equipment.

Visually and/or physically check the following items before every ride:

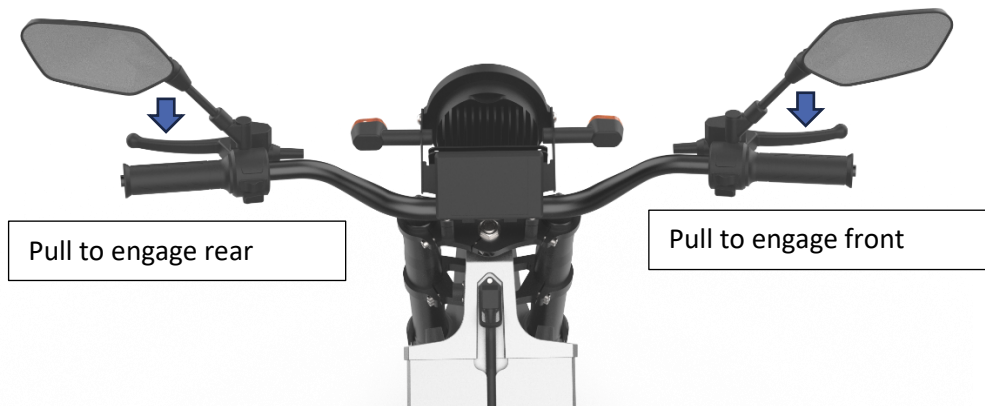
- ✓ Critical drivetrain and control components are in safe working order.
- ✓ Critical fasteners are adequately tightened.
- ✓ Personal protective equipment is worn and in safe working order.
- ✓ The headlight and brake lights are working.
- ✓ Front and rear indicators are working.
- ✓ Adequate battery charge level.
- ✓ Adequate tire pressure.
- ✓ Adequate brake performance.
- ✓ Check rear view mirror positions and adjust if required.
- ✓ Horn is working.

8 TIME TO RIDE

8.1 THROTTLE



8.2 BRAKES



8.3 SCREEN – USER INTERFACE
Screen Operating Instruction



Figure 1 - The front view of the instrument

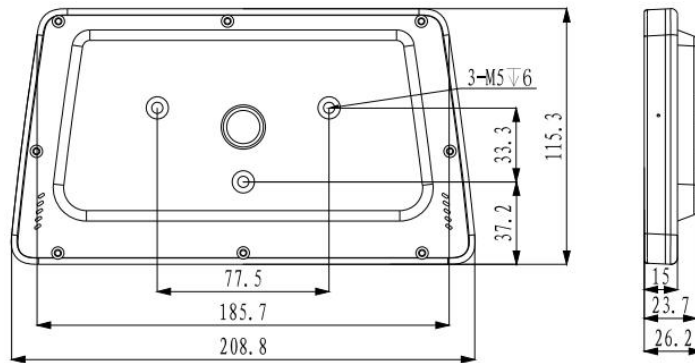


Figure 2 - The back view and side view of the instrument and size (mm)

Display and controls



Figure 3 - Main user interface UI, icon and meaning.

Icon	MEANING	Icon	MEANING
	Motor Fault		Rear-wheel drive
	Undervoltage Alarm		precursor
	Handle Fault		double-drive
	Brake Fault		WiFi Connection
	Low beam lamp		Bluetooth Connection
	Headlamp		Mobile message reminder

Icon	MEANING	Icon	MEANING
	left turn signal		Mobile phone call reminder
	Right Turn Signal		gears
	READY		parking

Figure 4 - Warning symbols

8.4 KICKSTAND

For the smooth deployment of the stand, it is recommended to follow these steps:

Position Yourself: Stand to the side of the bike, ensuring a comfortable and stable stance.

Foot Placement: Place your foot on the 45-degree footrest to provide a solid base for stability. **Star.**

Engage the Stand: Use your foot to push the stand down while maintaining a secure grip on the bike. **Cross.**

Dual-Hand Control: With your right hand positioned under the seat frame and your left hand on the steering mechanism, maintain control over the bike. **Cross.**

Forward Movement: Simultaneously, pull the bike forward using a controlled motion. This action will smoothly actuate the stand into its locked position.



8.5 SUSPENSION

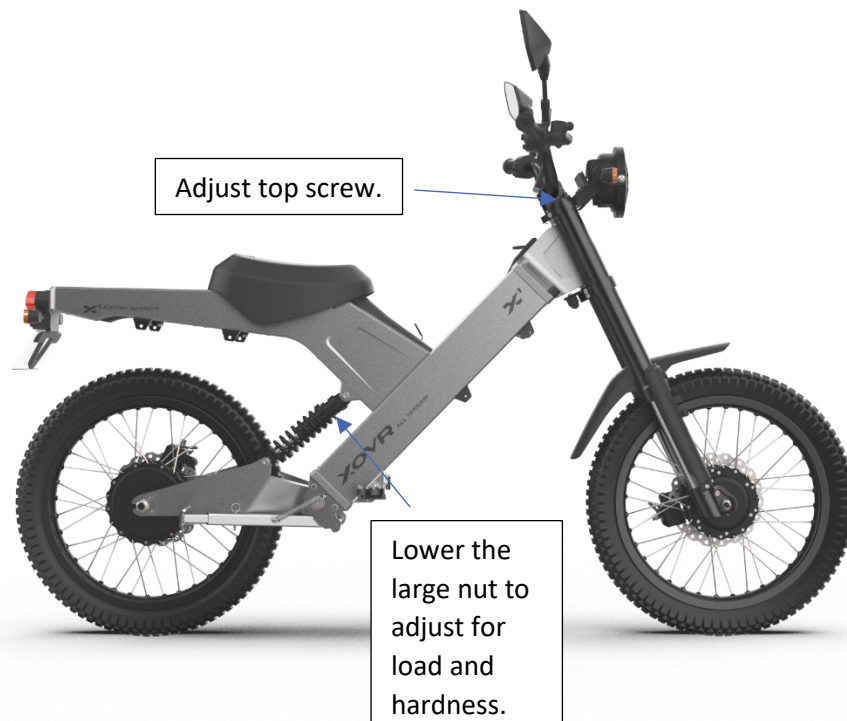
Both the front and rear shocks of your bike boast adjustable resistance, allowing you to fine-tune your riding experience. To optimize stability when carrying a passenger or doubling, we recommend adjusting the rear shock to its maximum resistance setting. Do not exceed 150kg of load (**130kg at the seat support**).

Front and Rear Shocks:

Both front and rear shocks are equipped with adjustable resistance settings, allowing you to personalize your bike's suspension according to your preferences.

Doubling Recommendation:

Specifically, for doubling or carrying a passenger, we advise setting the rear shock to its maximum resistance level.



8.6 MIRRORS



8.7 CHARGING

To efficiently charge your bike, carefully follow the steps below:

Turn off the Ignition: Before charging, ensure the bike's ignition is turned off.

Stable Position: Place the bike in a stable position near the designated charging location.

Charger Unit Preparation: Confirm that the charger unit is switched off before initiating the charging process.

AC Wall Socket Connection: Connect the charger to your AC wall socket, establishing a secure connection.

Charger to Bike Connection: Plug the charger into the bike's charging socket, ensuring a snug fit.

Secure Setup: Confirm that the charging plug, bike, and cables are securely connected.

Activate the Charger: Switch on the charger and verify that the charger LED indicates the "charging" status.

Monitoring Progress: Keep an eye on the charger LED to ensure it continues to display the "charging" status throughout the process.

Charging Duration: A full charge typically requires 4-7 hours, depending on the battery capacity.

Charged Status: Once the charger LED displays the "Charged" status, promptly switch off the charger and disconnect it from the bike.

8.8 STORAGE

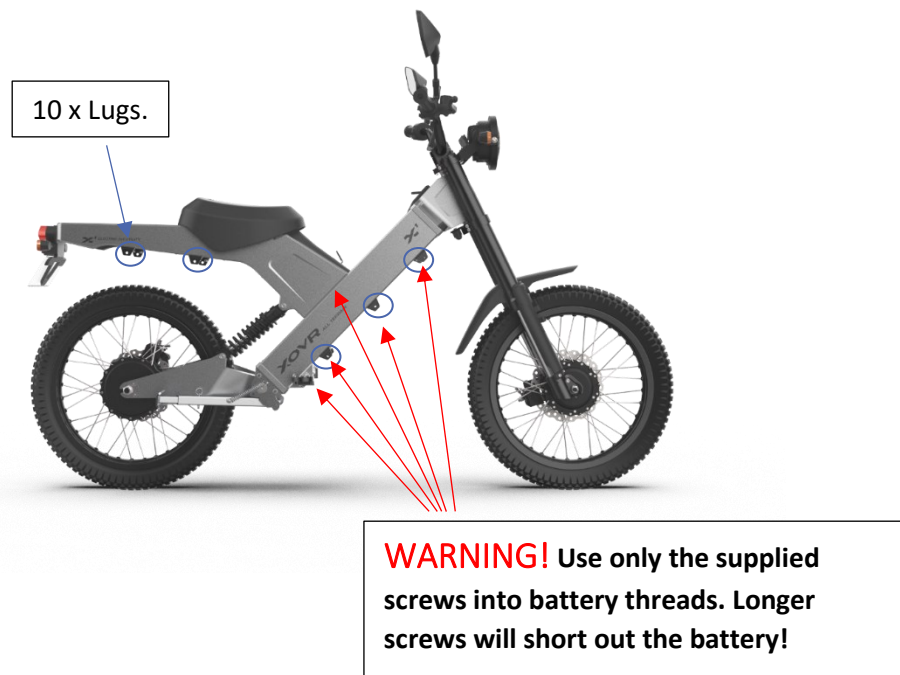
In its default setup, the X1 model is equipped with ten accessory attachment points—5 on each side. For secure attachment of compatible XOVR or custom accessories, utilize any standard M6 ($\frac{1}{4}$ ") setscrew assembly.

Important Guidelines:

Fastening Accessories: Attach desired accessories using standard M6 ($\frac{1}{4}$ ") setscrew assemblies to the provided attachment points.

Distribution of Weight: Ensure even weight distribution by utilizing all available attachment points on both sides of the bike for optimal stability.

Weight Limitation: Exercise caution and adhere to safety standards by not exceeding 10 kg (22 lbs) on any single attachment point.



8.9 SECURITY

To bolster the security of your X1, a dedicated steering lock mechanism is integrated beneath the lower fork clamp. This mechanism serves to immobilize the front wheel by locking it into a fully turned position, significantly impeding any attempts to roll the bike away easily. We also recommend the inclusion of a GPS tracker.

Steps to Activate Steering Lock:

1. **Locate the Mechanism:** Identify the steering lock mechanism positioned underneath the lower fork clamp.
2. **Turn the Handlebars:** To engage the steering lock, turn the handlebars fully to one side until they naturally stop.
3. **Activate the Lock:** Once the handlebars are fully turned, utilize the steering lock feature to secure the front wheel in place.



8.10 AUXILIARY POWER

Your bike is equipped with a USB port under the seat in front of the seat.

Port Locations:

- **USB Port:** The USB port provides a convenient location for charging your mobile phone and other USB-compatible devices.

8.11 PERFORMANCE

The X1 is meticulously crafted for versatile commuting across various terrains, offering users unparalleled agility and torque on mud, dirt, sand, asphalt, and grass. While it excels in a multitude of environments, it is essential to acknowledge certain performance limits.

Long Grass:

⚠ Extended use in high-friction long grass may result in reduced battery range. Exercise caution in such environments.

Coastal Sand:

⚠ Coastal sand is known for its corrosive nature. After riding in coastal areas, promptly wash the bike to prevent accelerated wear.

Two-Wheel Drive Handling: The X1's optional two-wheel drive enhances both low and high-speed handling.

⚠ However, given its rarity in the motorcycle industry, users should familiarize themselves with the X1's handling performance across diverse terrains before pushing its limits.

Mud (Especially on Dairy Farms): Mud, particularly in dairy farm settings, can be corrosive and accelerate wear on seals.

⚠ Regularly wash the bike to mitigate potential damage.

Jumping and Suspension Compression:

⚠ The X1 is not designed for jumping or regular full compression of the front or rear suspension.

Ride responsibly and avoid actions that may compromise the bike's integrity.

8.12 RANGE

The operational range from a single battery charge cycle can vary depending on several factors:

- **Speed:** The efficiency of the motors varies depending on riding speed. Highest efficiency is achieved around 30 kph and will facilitate the greatest range.
- **Terrain (mud, sand, dirt, gravel, grass, asphalt etc.):** Asphalt/concrete has the lowest friction surface facilitating the greatest range, while soft sand and tall grass is the highest.
- **Rate of Incline/Decline:** The X1 exerts considerably more power when climbing hills. Hill climbing will have a large effect on range. However, both the front and rear motors are equipped with a one-way clutch allowing the bike to coast silently and indefinitely downhill.
- **Loading:** Heavier riders and bikes with additional loads will experience reduced range. This is due to the additional power required to accelerate the bike to operating speed and to climb hills.

8.13 LOADS AND INCLINE.

The X1 is engineered for utility, allowing users to carry loads as needed. However, it is imperative for operators to assume responsibility for loading and operating the bike safely under load-carrying conditions. Adding a load to the bike may impact various aspects of performance, including handling, range, comfort, agility, and speed. Therefore, it is recommended that load-carrying operations be conducted exclusively by skilled and experienced riders.

Load Attachment Points: Loads can be securely fixed to the bike using one or a combination of the following locations:

- Rear tray
- Front tray
- Mid Bin
- Rear Bin
- Side Bin
- Left-hand (LH) accessory lugs
- Right-hand (RH) accessory lugs

Single Load Attachment: When attaching a single load to the bike, for optimal performance and maximum safety, we strongly recommend securing it to the rear tray.

Multiple Load Attachment: In the case of multiple loads, it is advised to distribute the weight across the entire bike whenever possible. For enhanced stability and safety, fix the heaviest loads at the rear.

Proper loading of your motorbike is crucial for maintaining stability and optimal handling. Exercise caution while riding with a loaded motorbike and adhere to the recommended weight limits to ensure a safe riding experience. It is advised not to surpass a total weight of 150kg, encompassing both your body weight and cargo. Please note that these weight limits are provided as estimations based on thorough testing.

Consideration should be given to individual rider abilities and limitations when loading the motorbike. When the load is up to 100kg (inclusive of rider and cargo), the maximum gradient allowable is 15° or 25%. However, with loads exceeding 100kg, it is imperative to decrease both maximum and continuous gradients accordingly. Refer to the provided illustrations for estimated limits on various gradients to ensure safe loading practices.

Loading safety is paramount. Distribute your load evenly and avoid obstructing any moving parts on the motorbike, including lights, suspension, or steering components. Maximum load recommendations are as follows: 40kg for the rear carrier, 10kg for the front carrier, and 50kg for the body of the motorbike.



9 ACCESSORIES

Various accessories are available for the X1.

9.1 HAND GUARDS.

The handguards are designed to be easily assembled, with a split configuration that seamlessly screws together around the hand controls.

9.2 VISOR.

The visor is strategically positioned between the brackets in front of the screen. As the bolts are tightened, the visor is securely clamped in place.

9.3 FRONT TRAY.

The front tray is affixed to the front faceplate using four screws, ensuring a sturdy and reliable attachment.

9.4 REAR TRAY.

For the rear tray, it is exclusively used with the single seat. It is firmly secured to the seat platform with four screws.

9.5 MID BIN.

The mid bin is ingeniously installed beneath the battery. To achieve this, the tabs must be removed, and the screws can then be reused for efficient assembly.

9.6 DOUBLE SEAT.

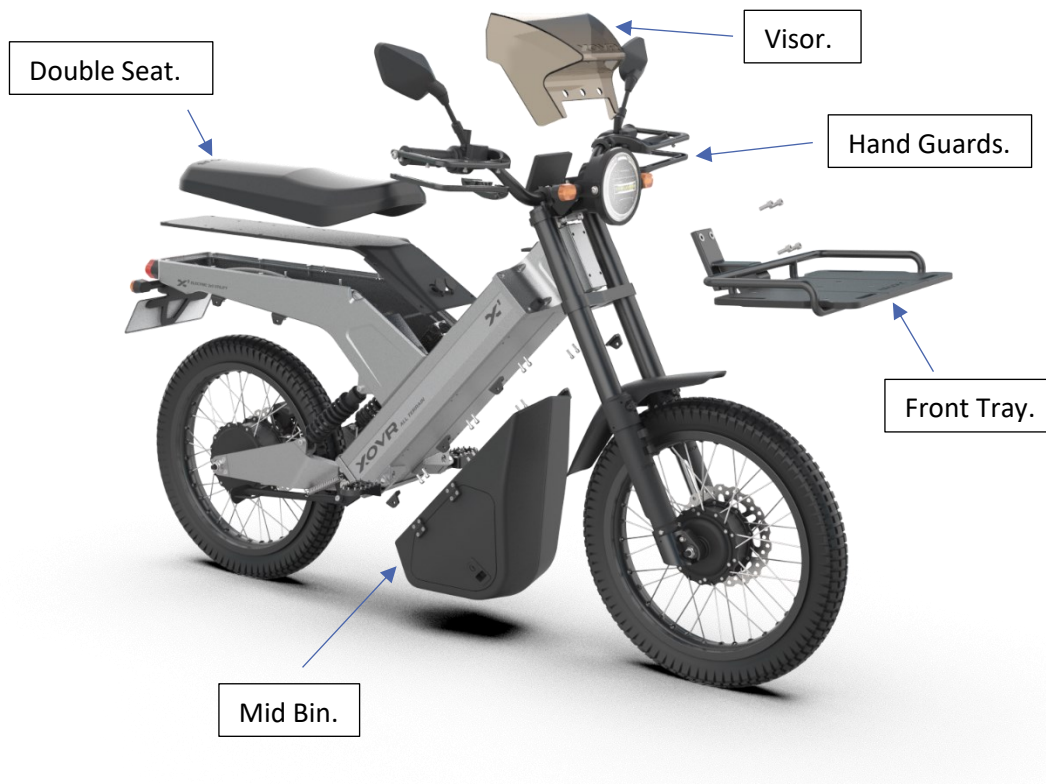
Transitioning to the double seat involves removing the single seat and platform. The double seat is then mounted in its place, and the two-foot pegs are assembled into the additional holes located at the bottom of the swing arm.

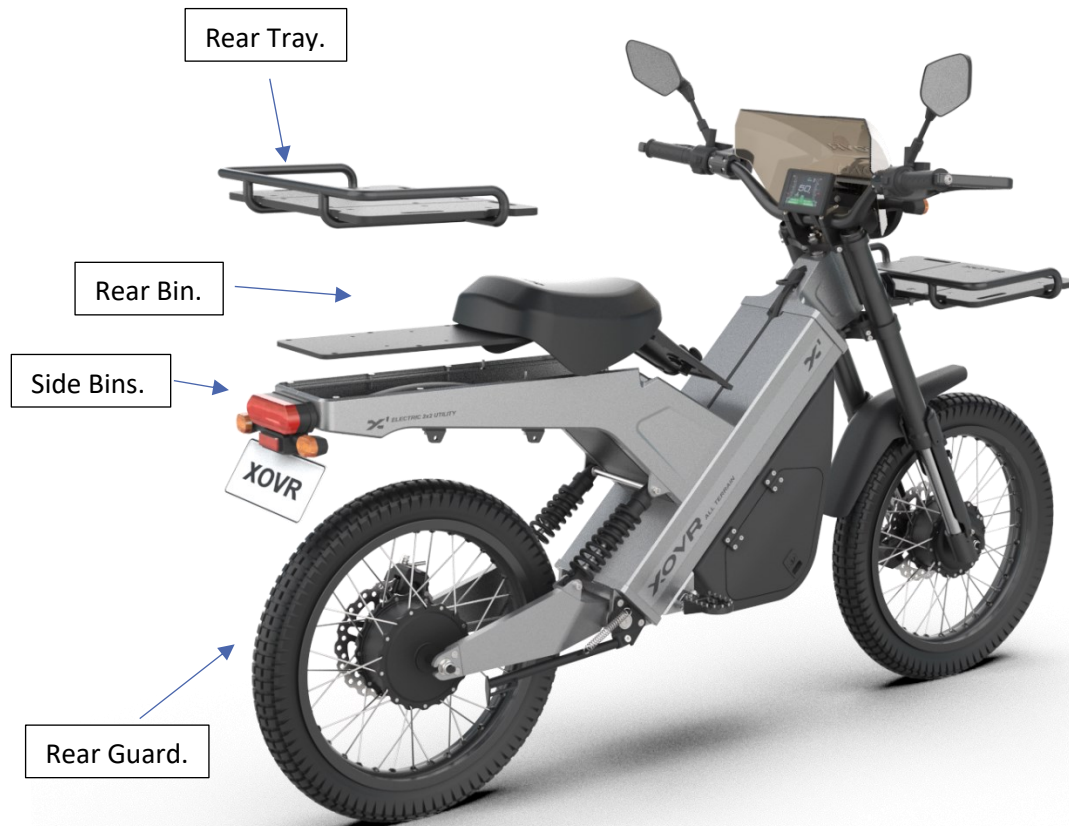
9.7 SIDE BIN.

The side bin finds its place with custom brackets on each side at the rear of the seat, ensuring a tailored and secure fit.

9.8 REAR BIN.

The rear bin is specifically designed to attach to the platform behind the single seat, exclusively for use with the single seat configuration. Its secure placement is ensured on the seat platform for optimal functionality.





10 SERVICING AND MAINTENANCE

10.1 GENERAL USERS:

Regular servicing of your X1 is crucial for optimal performance and longevity. To ensure the highest standards, it is recommended that servicing be conducted exclusively by an XOVR certified technician or dealer. Locate the nearest dealer on the XOVR website.

Complimentary Check: After the first 10 hours of riding, schedule an initial complimentary check from your dealer to ensure your bike's performance.

Standard Service Intervals

First Maintenance Service: 500km / 10 weeks

Second Maintenance Service: 1,000km / 6 months

Third Maintenance Service: 2,000km / 12 months

Fourth Maintenance Service: 3,000km / 18 months

Fifth Maintenance Service: 4,000km / 24 months

After completing the 24-month service, it is advised to continue servicing every six months.

10.2 FARMING USERS:

Farming conditions demand a more robust maintenance schedule to ensure peak performance. Follow this schedule:

First Maintenance Service: 200km / 10hrs / 1 month

Second Maintenance Service: 500km / 100hrs / 4 months

Third Maintenance Service: 800km / 200hrs / 7 months

Fourth Maintenance Service: 1,000km / 300hrs / 10 months

Fifth Maintenance Service: 1,500km / 400hrs / 13 months

After completing the 25-month service, continue servicing every three months. For personalized service requirements, please consult your service technician.

11 WARRANTY

XOVR stands behind the quality and craftsmanship of its products. Our limited warranty assures the original purchaser that our Products are free from defects in material or workmanship under normal use and maintenance. The specific warranty periods are outlined on our website (www.xovrbikes.com), with repair or replacement options available at the discretion of XOVR Limited, provided the conditions and limitations set out in this warranty statement are met.

General Exclusions: This warranty does not cover the following:

- ⚠ Products used outside their intended use or contrary to instructions in the User Manual.
- ⚠ Products subjected to misuse, accidents, neglect, or abuse.
- ⚠ Products employed in competitions, such as racing or trials.
- ⚠ Products used for rentals or commercial applications without explicit XOVR approval.
- ⚠ Products improperly assembled or repaired by non-XOVR certified technicians.
- ⚠ Products lacking proper maintenance or service as outlined in the User Manual.
- ⚠ Products altered or modified from the manufacturer's specifications.
- ⚠ Parts requiring replacement or repair due to normal wear and tear.

Specific Exclusions:

- ⚠ Motor maintenance or repair by non-XOVR Certified Technicians.
- ⚠ Modification of control system parameters from those issued by XOVR for public release.
- ⚠ Water damage resulting from use outside intended operation.

- ⚠ Damage caused by unauthorized repair attempts.
- ⚠ Damage due to leaving the power supply in a discharged state.
- ⚠ Failure to clean plug connectors, exposing them to contaminants.
- ⚠ Tampering with or opening the case.
- ⚠ Damage to the external case or structure from dropping or accidents.
- ⚠ Use with non-approved or uncertified electrical equipment.
- ⚠ Submersion of the product underwater.

For further details or warranty-related inquiries, please refer to the User Manual or contact our customer support. Your satisfaction with XOVR products is our priority, and we aim to provide you with reliable and durable solutions for your biking needs.

12 DISCLOSURE

Consumer law and compliance statement:

New Zealand: The Consumer Guarantees Act 1993 may apply to transactions covered by this warranty. If applicable, this warranty is an express guarantee under the Act. Any conflict between the warranty terms and the Act will result in the Act prevailing. General, Limitations, and Specific Category exclusions in this warranty do not limit XOVR Limited's liability under the Act, and this warranty remains subject to the Act's qualifications and limitations.

Australia: Under the Australian Consumer Law, our goods come with guarantees that cannot be excluded. You have rights for replacement, refund for major failures, and compensation for foreseeable loss or damage. If the Competition and Consumer Act 2010 applies, this warranty is an express guarantee, with the Act prevailing in case of any conflict.

United States: All implied conditions or warranties, as might be implied by statute or common law, are expressly excluded to the maximum extent permitted by law.

European Union: Goods guarantee rights are governed by each member state's national legal act implementing the Consumer Rights Directive 2011/83/EU. You are entitled to replacement, refund for major failures, and compensation

for foreseeable loss or damage. Your rights are limited to those specified in the applicable national legal act, with the expiration term aligned with the specified term in each member state. In case of conflict, the national legal act prevails.

United Kingdom: Goods guarantee rights are specified under the Consumer Rights Act 2015. You are entitled to replacement, refund for major failures, and compensation for foreseeable loss or damage. Rights are limited to those specified in the Act, and for goods purchased in England or Wales, expire six years from delivery, and in Scotland, five years from delivery. In case of conflict, the Act prevails.

Maximum Liability: To the maximum extent permitted by law, XOVR's maximum liability for any loss, damage, or injury resulting from defects, non-compliance, or use of the product will not exceed the price (excluding GST) paid for the product causing the issue.

Owner's Obligations: Owners are obligated to review the supplied User Manual for understanding operations, limitations, maintenance, and care instructions. Scheduled maintenance and care are required to ensure warranty compliance, extend product lifespan, and reduce overall lifetime maintenance needs.

13 SERVICE LOG

Service Interval	Date	Technician	Odometer	Repairs Carried Out
10 Hour Check				
First Service				
Second Service				

Third Service				
Fourth Service				
Fifth Service				
Sixth Service				

14 SERVICING AND MANUFACTURER



Figure 5 - Show room

XOVR Ltd.

www.xovrbikes.com

+64 7 578 9771

Show room:

88 Coast Boulevard Tauranga 3118

Workshop / Assembly / Maintenance

62 Taniwha Place, Bethlehem, Tauranga.

Manual V1

www.xovrbikes.com

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