



Journey Onward

IMPORTANT: KEEP FOR FUTURE REFERENCE



Even if you have ridden a bike for years, it is important for you and every rider to read this manual before riding this bicycle.



DESIGNED TO FIT  
**TESLA**

# User Manual 2019



**⚠ WARNING**  
**HELMETS**  
**SAVE**  
**LIVES!**

Always wear a properly fitted helmet that complies with CPSC or CE safety standards when you ride your bicycle.



**Correct Fitting:**  
Make sure your helmet covers your forehead.



**Incorrect Fitting:**  
Forehead is exposed and vulnerable to serious injury.

**⚠ WARNING**

As with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components may react to wear or fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail possibly causing injuries to the rider. Any form of crack, scratch or change of coloring in highly stressed areas indicate that the life of the component has been reached and it should be replaced. Do not ride in an abusive manner.

**⚠ CAUTION**

In this manual, the CAUTION sign indicates a hazardous situation which, if not avoided, can cause minor or moderate injury.

**⚠ WARNING**

In this manual, the WARNING sign indicates a hazardous situation which, if not avoided, can cause death or serious injury.

# Introduction & Disclaimer

First of all we would like to thank you for buying our X1 Electron electric bike.

Our eBike has been refined and perfected since 2016 by our senior designers and engineers to make it the best eBike in its class.

X1 Electron has a fashionable style, a convenient folding feature, and is very easy to operate and ride. X1 Electron is an economical and practical form of portable, alternative transport, that is environmentally friendly.

For your riding safety and to help you understand the eBike, you should read this user manual before riding. Please do not use your X1 Electron until you learn about the performance and operating systems.

 WARNING

Using this product may be a dangerous activity and could result in serious injury, even if you are using safety equipment. X1 Bike, its companies, partners, associates and factories do not accept any liability whatsoever, in regards to the use of this product by any person/s. This product is intended for adult use only (age 18+). This product is not a toy, do not permit persons under the age of 18 to operate. Keep this product away from unsupervised children. Do NOT exceed the weight limit of 265 lbs (120 kg) and do not ride with any passengers. Always wear a safety helmet and proper protective gear. Do not ride barefoot and always ride with both hands.

# Precautions Before Use



1. Before using, learn about the X1 Electron features, functions, and basic operations in this handbook.
2. Make sure that the brakes are working correctly and the tires are fully aired (40 psi).
3. For riding comfort and safety, ensure that your feet can touch the ground.
4. When using your X1 Electron for the first time, please ride a short distance to make sure you can handle the eBike. Only attempt to ride longer distances, in the road, bike lane, sidewalk, or across roads AFTER you have learned to control the eBike.
5. This eBike is not suitable for use in poor road and weather conditions, such as rain, snow or icy surfaces. Do not use your eBike for Extreme Sports or try to do tricks UNLESS you are a professional and use protective gear. We always recommend riders wear a helmet.
6. When the outside temperature is 23 ° F (-5 ° C) It will have a negative impact on battery usage. So please charge your battery at room temperature. Please always discharge your battery before charging, this will improve performance and life span.
7. The riding distance of this bike is measured under the average temperatures of 77 ° F (25 ° C) The average weight of 170 LBS (77 KG) and smooth flat surfaces. Battery life will vary due to riders weight, environment, temperatures and riding habits/speed. Maximum range is achieved when riding on a flat even surface, not using the top speed, and with the driver weight around 170 lbs.

# Product Diagram

1. Handlebar
2. LCD Multi Display & Gear Selector
3. Folding Joints
4. Brake Lever
5. Push to Fold / Unfold the Bike
6. Full Body Damper Spring
7. LED Headlight
- 8a. Front Foot Pegs
- 8b. Rear Foot Pegs
9. Front Wheel Damper Springs
10. Seat
11. Folding Mechanism / Seat Release
12. Charging Port
13. LED Brake Light & Turn Signals
14. Kickstand (works when folded or open)
15. Bluetooth Speaker
16. USB Charger Port (for cellphone)
17. Controls for LED Lights and Horn



# Alarm and Key Fob Function

## Function of The Anti-Theft Alarm



An Anti-Theft device is fitted as standard equipment on your X1 Electron.

To prevent the theft of your EV, we recommend using the alarm system at all times.

To help assist in theft prevention and product recovery, there is a unique VIN number on every bike. Register the VIN with us, and should your unit ever become lost or stolen, it would be useless to any other person since the VIN number is matched to you and only you.

We do not sell spare parts, recovery kits, or accessories to non-owners.



# LCD Multi Display Panel & Control System



- ▶ Backlit Multi Display Dashboard
- ▶ Speedometer MPH or KMH
- ▶ Remaining Battery Meter
- ▶ Gear selector
- ▶ Odometer/Tripometer Display



# Folding System



1. Pull the lever to release the seat, then clip into the desired position

2. Push this button

3. To fold or unfold, simply squeeze the bike into the open or folded position after you have positioned the seat correctly



4. Fold the handlebar by gently pulling the 2 spring-loaded clasps apart, using a gentle pulling force to release, then fold the 2 handles away



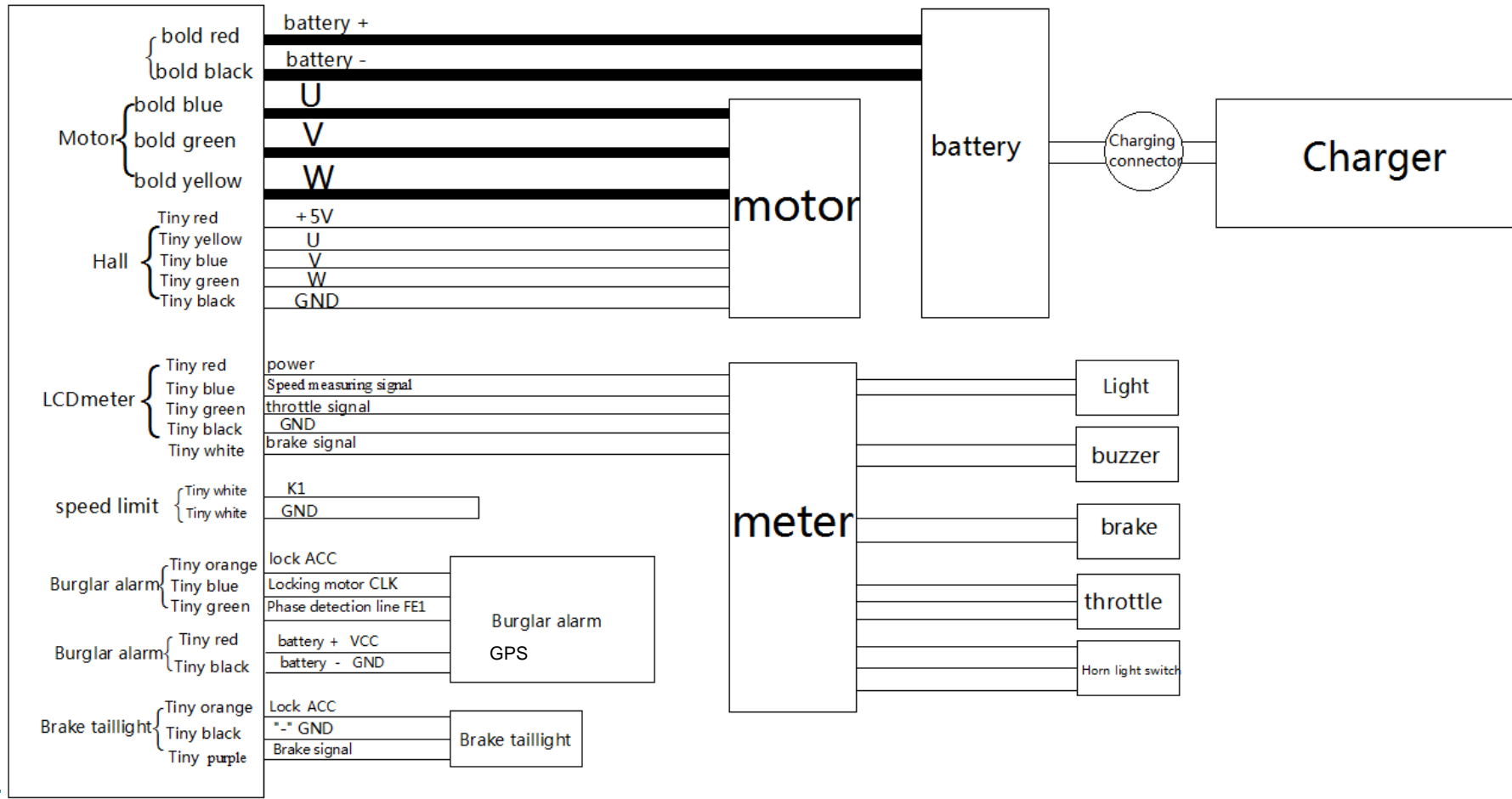
# Basic Parameters & Performance

Finished eBike		Battery	
Wheel base	776mm	Voltage	36-48V
L x W x H (unfolded)	37*33*8 inches	Capacity	20 mile = 9.6AH / 36V 25 mile =9.6AH / 48V 55 mile =17.5AH / 48V
L x W x H (folded)	37*20*8 inches	Battery core	Panasonic 18650-2900PF
Maximum speed	13-30 mph	Cycle life	More than 1,000 charges
Maximum riding mileage	18-55 miles	Discharging rate	3C
Maximum load	265 lbs	Charging time	4h
Noise	Less than 60db	Controller	
Wheel diameter	8.5 10 inches	Style	Sine wave
Overall weight	41-51 lbs	Maximum current	14A
Motor		Minimum voltage	29V
Rated voltage	36-48V	Charger	
Rated power	350W	Input voltage	220V
Rated rotor speed	600-1000RPM	Output voltage	42V
Maximum torque	22N.M	Output current	2A
Maximum efficiency	88%	Plug style	3pin aviation plug
Style	Brushless and gearless	Maximum permissible gradient	15°

# Electrical Wiring Diagram

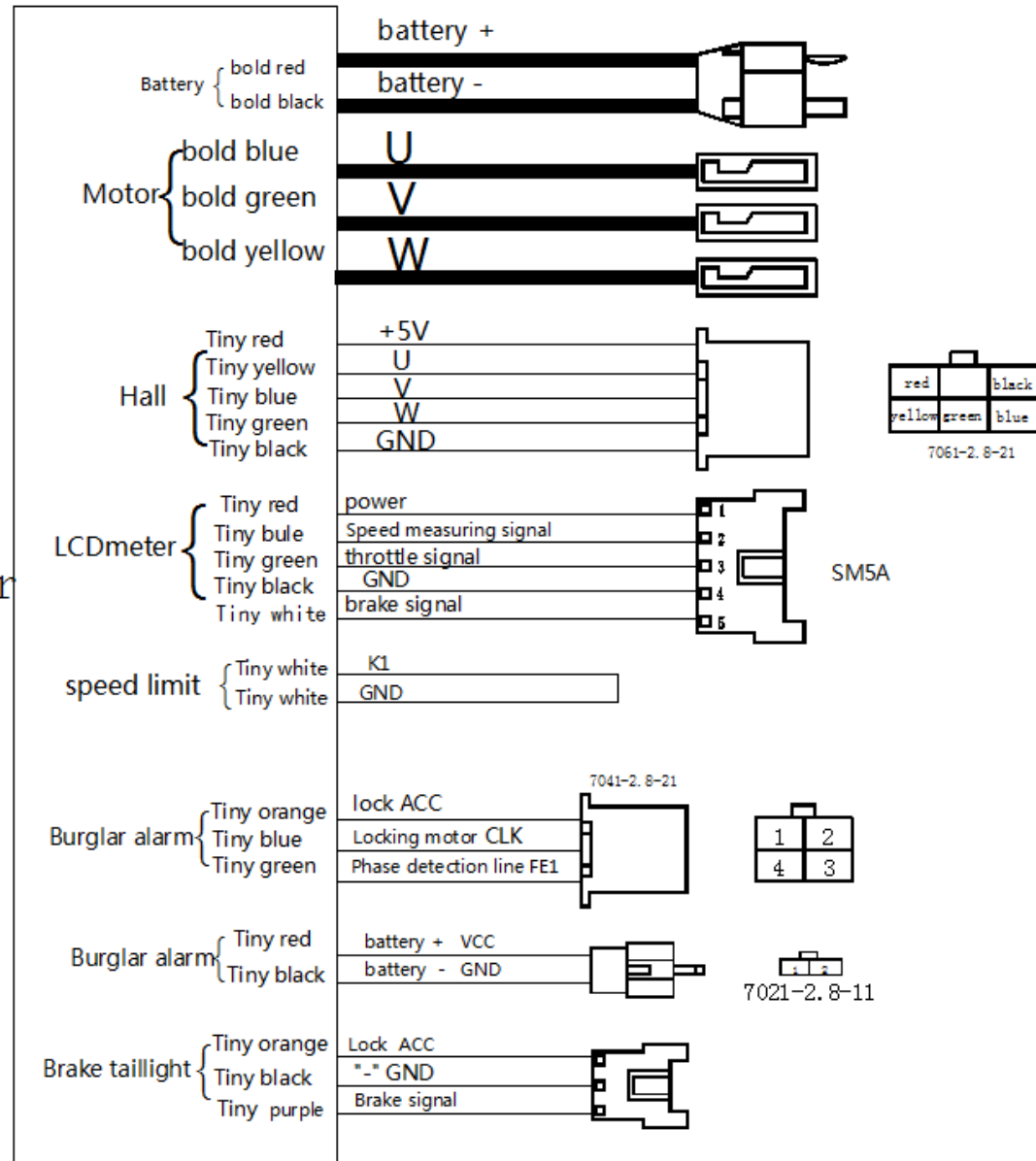


## System structure general set



# Wiring diagram for controller (general set)

Controller



# Battery and Charger Care



Battery description	
Fully-charged voltage	41.5v
Undervoltage protection	29v
Core brand	Panasonic power core
Core quantity	30/40pcs
Charging temperature	0-45 °C
Discharging temperature	-20-60 °C

## **IMPORTANT**

The battery is located in the frame of the eBike underneath the charging port area. Do not attempt to disassemble the battery compartment, or try to connect positive to negative. Please charge the eBike every 15-30 days (even if not being used) in order to keep the battery healthy. For optimum life span, the battery should be empty before charging.

## **USING THE CHARGER:**

1. Connect charger plug to 110/240v mains power supply socket first.
2. Connect charger to the eBike charging port, and screw into place.
3. After the eBike is fully charged, remove the plug from the eBike charge port and then pull the power cord from the wall.
4. Always try to charge the battery from almost-empty, and never let it stay uncharged for more than 1 month.

## **PRECAUTIONS:**

1. Please ONLY use the original charger to charge the X1 Explorer. If a third party charger is used it may cause fire, battery explosion, or other dangerous hazards. It will also invalidate your warranty.
2. Input voltage and Output voltage are 110v and 42v. The charger connector has 1 positive electrode and 3 negative electrodes. Please don't disassemble or connect negative to positive. Do not use third party batteries.
3. Red Light on charger box = Battery is currently charging. Green Light on charger box = eBike is fully charged.
4. Only charge indoors. Keep away from water. Do not leave this eBike in the sun, and during transport of the eBike do not let it shake around too much.
5. If the charger cord is broken or damaged, please replace the charger. Do not attempt to disassemble the charger as you may cause yourself to get an electric shock.

# Troubleshooting

If one of the following occurs, use this checklist to address the issue.

## MOTOR DOES NOT ROTATE

1. Motor joint became loose.
2. Battery may be too low.
3. Motor cable is damaged.
4. Throttle is faulty.
5. Controller is faulty.
6. Motor Hub is damaged.

## THERE IS ABNORMAL SOUNDS FROM DAMPERS / SUSPENSION

1. Damping spring needs to be lubricated.
2. Damping sleeve is loose.

## BATTERY CANNOT BE CHARGED

1. Charger connector is loose.
2. Charger is damaged.
3. Battery pack is damaged.
4. Battery needs re-conditioning

## Maintenance tips:

1. Do not park your eBike outdoors in an exposed area. Avoid direct sunlight and rain water. If water enters the eBike's circuits, your eBike may become damaged.
2. Check your tires regularly. Always make sure your brakes are in working order. Check all joints regularly to make sure they are operational.

# Warranty and Guarantee

1. We implement a standard guarantee / warranty system for our products. We provide free maintenance, replacement/installation of parts, and replacement services for those products which comply with warranty conditions (USA, Canada and Mexico only). Excluding insurance, post/delivery and transport charges, we provide free warranty service for 1 year. Extended warranties are available.

2. Customers enjoy warranty service by registering their warranty on our website. The serial VIN No. on the registration page must be consistent with that on the eBike. The warranty period will commence from the date of purchase (proof of purchase will be required for all warranty claims). If the actual date for warranty cannot be presented, or you cannot provide proof of purchase, then the factory production date will be considered as the initial date for warranty.

3. If there are any significant performance problems within 7 days of purchase, or the product is defective, customers may choose to maintain and repair at our cost, or replace the eBike with an identical eBike. No returns are permitted for this eBike under any circumstances. All sales are final.

4. If there is any product performance errors within your warranty period, we will provide free maintenance service after such problem is confirmed and assessed.

5. Within your warranty period, the following circumstances are not part of your free warranty/maintenance if:

- . The total mileage of the eBike is over 1200 miles (1900 km).
- . Any damage is caused by installation or use arising from failure to follow the requirements in this manual.
- . Product serial VIN No. is deleted or modified.
- . The product serial VIN No. or model on the warranty card is not consistent with the product itself.
- . The product is disassembled or maintained by unauthorized personnel.
- . Scratches (including vehicle housing, handle, tires and gearbox etc.) which does not affect product function.
- . Product damage caused by accidents or improper use (such as mechanical damage, falling or impact) .
- . Any damage caused by overloading or extreme sports.
- . Any damage caused by fire, liquid soaking, earthquake, abnormal storage or force majeure.
- . Loss of quick-wear parts such as packing material and various technical data.
- . Failures or damage caused by those factors unrelated to product design, technology and quality etc.

6. We provide a maintenance service at your cost, for faults outside the warranty or guarantee period.



# In The Box

- Your X1 Electron
- 1 Charger Unit (110/240v)
- GPS tracking device\*  
(requires SIM card and contract)
- 2 Remote Keyfobs
- Instruction Manual
- 1 Year Limited Warranty

\* manual installation required.

## GPS

There may be a GPS tracking device in your box. You will need to buy a SIM card for this feature. Simply connect the positive/negative cables into the Alarm Controller located under the box cover lid underneath. Instructions are in the GPS tracker box and the wiring diagram is in the manual.

## User Manual



## 2 Remote Key Fobs



## 110-240v Charger



**NO ASSEMBLY  
REQUIRED**

# Quality Control

This X1 Electron was hand made and hand tested prior to packing, and has passed quality inspection. It was approved to leave the factory.

Proof of purchase is required to activate your warranty. The VIN number is allocated to you and your X1 Electron at the time of registration (warranty is transferrable). To register your warranty, please visit <https://x1bike.com/register-your-warranty/>

SEAL OF Q.C. PASS \_\_\_\_\_

SELLER NAME \_\_\_\_\_

SELLER LOCATION \_\_\_\_\_

VIN NUMBER \_\_\_\_\_



# Become a Re-Seller for X1 Bike

- ▶ **Want your own X1 Bike storefront or retail business?**
- ▶ Would you like to join the EV revolution and make money with us?
- ▶ Exclusive Retail Agreements are available to a limited number of applicants now. We are selecting existing and new businesses in your area to offer X1 Bike products for distribution, sale, and rental.
- ▶ It's like a franchise, without the limiting restrictions, and without the ongoing fees! This means you could become part of the X1 Bike adventure, represent our brand in your place of business, and make money alongside us! We even advertise for you, and put a pin on our dealer locator page so people can find your business!
  
- ▶ -----
- ▶ **The first 50 businesses to sign-up will enjoy the following benefits:**
  - Early-adopter pricing for your exclusive area
  - You will be 'grandfathered' in for all future offers
  - Reduced pricing for all merchandise
  - Your exclusive selling area is negotiable
  - No additional fees No annual fee No sales commission
  - Low minimum order quantities
  - First option to upgrade from retailer to distributor
  
- ▶ -----
- ▶ If you would like to join the EV revolution and make money with us, please send an email with your name and telephone number to: [rpp@x1bike.com](mailto:rpp@x1bike.com) or follow this link online <https://x1bike.com/retail-opportunities/>



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