



# **X-Treme™ Electric Scooters**

## **XMB-320**

### Electric Mobility Scooter



(Photo may vary from actual)

**PLEASE READ ENTIRE MANUAL CAREFULLY BEFORE OPERATING**



# IMPORTANT!



## BATTERY MAINTENANCE and CHARGING INSTRUCTIONS

1. You **MUST** charge completely prior to initial use. (Follow charging instructions in your Product Handbook)
2. Charge immediately after each use.
3. Charge before storage. You must charge every 30 days if not in use.
4. Charge the unit for 6-8 hours or until the light on the charger turns red & green.
5. **DO NOT** allow this unit to deep discharge the battery.
6. For safety purposes, **DO NOT** charge for over 8 hours.
7. Turn the unit **OFF** when not in use.

**Failure to follow these INSTRUCTIONS will  
VOID YOUR WARRANTY!**

**THIS PRODUCT IS NOT INTENDED FOR EXTREME  
or OFF-ROAD USE!**

**Please take care of your scooter!**

**DO NOT JUMP or ABUSE THIS PRODUCT!**

**DO NOT RIDE IN WET/ICY CONDITIONS!**

Failure to follow these instructions will

**VOID YOUR WARRANTY**

# IMPORTANT

PLEASE READ THIS BEFORE  
USING THIS PRODUCT

## WARNING

This product does not conform to Federal Motor Vehicle Standards and is not intended for operation on public streets, roads or highways. Serious injury can result from the unsafe operations of this product. Operator can minimize these risks by using certain safety equipment such as: safety helmet, goggles, gloves, elbow and kneepads and appropriate footwear.

DO NOT operate this product in traffic, on wet, frozen, oily or unpaved surfaces or under the influence of drugs and/or alcohol. Avoid uneven surfaces, potholes, surface cracks and obstacles.

DO NOT use a water hose to clean this product. See Product Handbook for more information.

This product is recommended for riders 16 YEARS OF AGE and older.

## SAFETY

- Persons without excellent vision, balance, coordination, reflex, muscle and bone strength and good decision-making capabilities should not use this product.
- Minors without adult supervision should not use this product.
- Persons unwilling or unable to take responsibility for their own actions should not use this product.
- The user of this product assumes ALL risks associated with its use. To minimize these RISKS, the user must wear safety helmet, goggles, gloves, elbow and kneepads and appropriate footwear.
- This product is ELECTRIC! DO NOT ride this product in wet conditions, puddles or rainy weather.

# QUICK REFERENCE SAFETY GUIDE

## SAFETY GUIDE

- The recommended minimum age for riding this scooter is 16 years old.
- To avoid damage to the motor and footplate, do not overload the scooter.
- Never ride with more than one person.
- Inspect your scooter thoroughly before each use for loose or missing parts.
- Avoid unintentional starts by turning the scooter off while not in use.
- To avoid the risk of a short circuit in the electrical parts, do not use your Electric scooter in the rain and never spray or wash off your scooter with water.
- Do not place the battery near fire or heat.
- To avoid damage to the battery, do not use the charger if it has been damaged in any way.
- Keep hands, face, feet and hair away from all moving parts.
- Do not touch the motor or wheels while they are rotating.
- Brakes are designed to control speed as well as stop the scooter. Practice braking for proper slowing down and smooth stops.
- Maintain your scooter as recommended in this Product Handbook.
- Use only quality replacement parts as recommended by the manufacturer.
- Inspect the entire scooter prior to each use. Replace any part that is cracked, chipped or damaged before use.

**\*NEVER ALLOW CHILDREN TO OPERATE THE SCOOTER WITHOUT ADULT SUPERVISION.**

**\*NEVER ATTEMPT TO OPERATE THE SCOOTER WHILE UNDER THE INFLUENCE OF ALCOHOL.**

**If a situation arises that is not covered in the manual, proceed with caution and use good judgment.**



## **DO NOT RETURN TO STORE!**

**Do not use this vehicle for the first time until you have inflated the tires to the correct PSI and completely charged the battery.**

**Failure to follow these instructions may damage your vehicle and void your warranty.**

**For technical support**

**CALL OR GO ONLINE**

**1-253-777-0690**

**[www.x-tremescooters.com/support/](http://www.x-tremescooters.com/support/)**

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# RIDING SAFETY

Like any sport, cycling carries the risk of injury and damage. By choosing to ride the XMB-220, you assume all responsibility for these risks. Thus, you need to know and practice the rules of safe and responsible riding.

YOUR INSURANCE POLICIES MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS CYCLE. TO DETERMINE IF COVERAGE IS PROVIDED YOU SHOULD CONTACT YOUR INSURANCE COMPANY OR AGENT.

## **Safety Basics: Do's and Don'ts**

### The Do's

- Always conduct a Safety Check before you ride your XMB-320. Be thoroughly familiar with the controls of your XMB-420.
- Always wear an approved helmet when riding your XMB-320. Follow the helmet manufacturer's instructions for fit, use and care of your helmet.
- Always keep body parts and other objects away from the spinning wheels of your XMB-320.
- Always wear shoes that will stay on your feet and will stay on the floorboard.
- Wear bright, visible clothing that is not so loose that it can catch on moving parts of the XMB-320 or objects at the side of the road or trail.
- Think about your speed, and keep your speed consistent with safe operating conditions.

### The Don'ts

- Never ride with headphones. They mask traffic sounds, distract you from concentrating on your surroundings, and their wires can tangle in the moving parts of the XMB-320, causing you to lose control.
- Never carry a passenger. The maximum carrying capacity is 240 lbs.
- Never ride barefoot or wearing sandals.
- Don't jump with your XMB-320. It puts great stress on everything from frame and forks to drive train. Riders who jumping their XMB-320 risk serious damage to their XMB-320 and will void their warranty.
- Never carry anything which obstructs your vision or your complete control of the XMB-320 or which could become entangled in the moving parts of the XMB-320.
- Never hitch a ride by holding on to another vehicle.
- Never ride your XMB-320 while under the influence of alcohol or other drugs.
- If possible, avoid riding in bad weather, when visibility is obscured, at dusk or in the dark, or when you are very tired. Each of these conditions increases the risk of accident.
- Never allow children to ride. Never allow others to ride without reading and understanding these instructions.

## **Operating Reminders and Suggestions**

- Review all instructions carefully before riding the XMB-320.
- Follow all rules and regulations in your area for operating a motorized scooter. Obey the same road laws as all other road vehicles, including yielding the right-of-way to pedestrians, and stopping at red lights and stop signs.
- Ride predictably and in a straight line. Never ride against traffic.
- Use the signal lights to indicate turning or stopping.
- Ride defensively. To other road users, you may be hard to see.

- Concentrate on the path ahead. Avoid potholes, gravel and dirt, wet road, oil, curbs, speed bumps, drain grates and other obstacles.
- Be alert for unexpected events, such as opening car doors or cars backing out of concealed driveways.
- Be extra careful at intersections and when preparing to pass other vehicles.
- Familiarize yourself with all the bike's features. Practice signal lights, braking and use of the horn.
- Don't carry packages or passengers that will interfere with your visibility or control of the bike. Don't use items that may restrict your hearing.
- Maintain a comfortable stopping distance from all other riders, vehicles and objects. Safe braking distance and forces are subject to the prevailing weather and road conditions.

### **Wet Weather Riding**

Wet weather impairs traction, braking and visibility, both for the rider and for other vehicles sharing the road. The risk of accident is dramatically increased in wet conditions. In wet weather you need to take extra care. In wet conditions, the stopping power of your brakes (as well as the brakes of other vehicles sharing the road) is dramatically reduced. This makes it harder to control speed and easier to lose control. To make sure that you can slow down and stop safely in wet conditions, apply your brakes earlier and more gradually than you would under normal, dry conditions.

Decrease your riding speed, avoid sudden braking, and take corners with additional caution. Keep in mind that there is a direct, but inverse, relationship between speed and controllability.

Be more visible on the road. Wear reflective clothing and use safety lights.

Potholes and slippery surfaces such as lane markings and train tracks all become more hazardous when wet.

### **Night Riding**

A rider is very difficult for motorists to see at dusk, at night, or at other times of poor visibility. If you must ride under these conditions, check and be sure you comply with all local laws about night riding; follow the Rules of the Road, and take the following precautions:

Make sure that your XMB-320 is equipped with correctly positioned and securely mounted reflectors. Make sure your clothing or cargo does not obstruct a reflector or light. Ensure that the front lights are on.

Wear light colored, reflective clothing and accessories, any reflective device or light source that moves will help you get the attention of approaching motorists, pedestrians and other traffic.

Ride slowly. Avoid hazards, such as potholes and curbs.

Avoid areas of heavy traffic, dark areas, and roads with speed limit over 35 mph. If possible, ride on routes already familiar to you.

Ride at night only if necessary. Slow down and use familiar roads with street lighting, if possible.

### **Other Reminders**

The XMB-320 works best on level ground. Use caution while going down an incline, such as a hill or a ramp. Hill climbing and repeated acceleration/braking will exhaust the battery much more rapidly.

The XMB-320 has an electrical brake cutoff system. When you engage either brake, the throttle becomes inoperative. Release the throttle before braking. Do not "ride" the brakes.

The battery does NOT require deep discharging. If your XMB-320 is put into storage, re-charge its battery at least once every 90 days.

Do not store your XMB-320 in direct sunlight for an extended time.

Store your XMB-320 in a dry place. Exposing your XMB-320 to rain, snow, or other precipitation may result in damage.



## Getting Started

1. Open scooter carton and remove your XMB-320. Inside you will find the following contents:
  1. X-Treme XMB-320 Mobility Scooter
  2. User Manual
  3. Tool Kit
  4. 24V UL Battery Charger



Fig 1



Fig 2

2. Make sure your handlebar components are as shown in Figure 1. Loosen the flat bolt in the handlebar. Remove the pin and insert the connector to the handlebar. Insert pin and tighten bolt.

3. Turn and tighten the folding unit (shown in Figure 2) to secure the handlebar.

4. Insert seat post and adjust to desired height as shown in Figure 3. Tighten seat posts clamps to secure.

5. Loosen the front shaft nut and remove the washer from the front axle. Place front wheel in place and slide the front axle back through and replace washer and nut and tighten as shown in Figure 4.



Fig 3



Fig 4

## Charging

Your scooter comes charged out of the carton. We still recommend charging the unit for **6-8 hours** prior to its first use. We also recommend charging your scooter after each use and prior to storage. Do NOT charge for more than 8 hours at one time, batteries may overcharge and result in damage.

1. Make sure you unit is turned off.
2. Locate the charging socket on the scooter and plug in your charger to the socket.
3. Plug the charger into the power source.

When first plugged in, the charger has one red light that will illuminate at the same time, indicating that the charging process has started. Once the light on the charger turns red & green, you may remove the charger and close the safety cap.

## **Riding**

1. Make sure all the exposed bolts and screws are tightened.
2. Turn the Ignition Key to the ON Position.
3. Gently twist on the Throttle Grip on the right side of the handlebars. The XMB-320 will begin to move on its own. Your scooter has a variable speed throttle. You can control the speed of your scooter by the how far you twist the hand throttle.

## **Stopping/Braking**

To brake, release the THROTTLE GRIP and depress the BRAKE LEVER on the LEFT side of the handlebar. Depressing the brake will disengage power to the motor. When the unit feels like it is losing power or not accelerating to full speed, the scooter is ready to be re-charged.

## **Braking System**

The XMB-320 uses a disc/caliper system for the front wheel. The brake is activated by a hand brake lever on the left side of the handlebar. Squeezing the hand brake lever activates the brake. Make sure to release the HAND THROTTLE GRIP when engaging the brakes. Your XMB-320 is equipped with a switch on the brake lever that will disengage power to the motor when the brake levers are depressed.

Practice braking on a smooth, dry surface to get used to the feel of the braking system. Braking distance is affected by wet conditions and loose and uneven riding surfaces.

## **Adjusting the Brakes**

The Brakes on the XMB-320 should come fully adjusted from the factory. However, it may be necessary to adjust the brakes from time to time.

For brakes that are too loose, adjust the tension screw on the right hand brake lever by rotating it counter-clockwise until the wheel spins freely.

For brakes that are too tight, tighten the tension screw on the right hand brake lever by rotating it clockwise until the wheel has a slight drag.

## **Squeaky Brakes**

The brakes may squeak before they are broken in. This is normal and will not affect the function or performance of the brakes. With continued use the squeak should go away.

## **Tire Pressure**

The tire must be inflated to a maximum of 50 P.S.I. It is also recommended to use a tube additive like **Slime**, available from any motorcycle shop, to avoid inconvenient punctures.

Empty all air from the tire, prior to loosening the bolt to split the rim.

## **Maintenance Schedule**

Proper care of your X-Treme XMB-320 will insure optimal performance and longer life span. The following are a few maintenance suggestions that will keep your X-Treme XMB-320

running in top condition:

Daily Maintenance

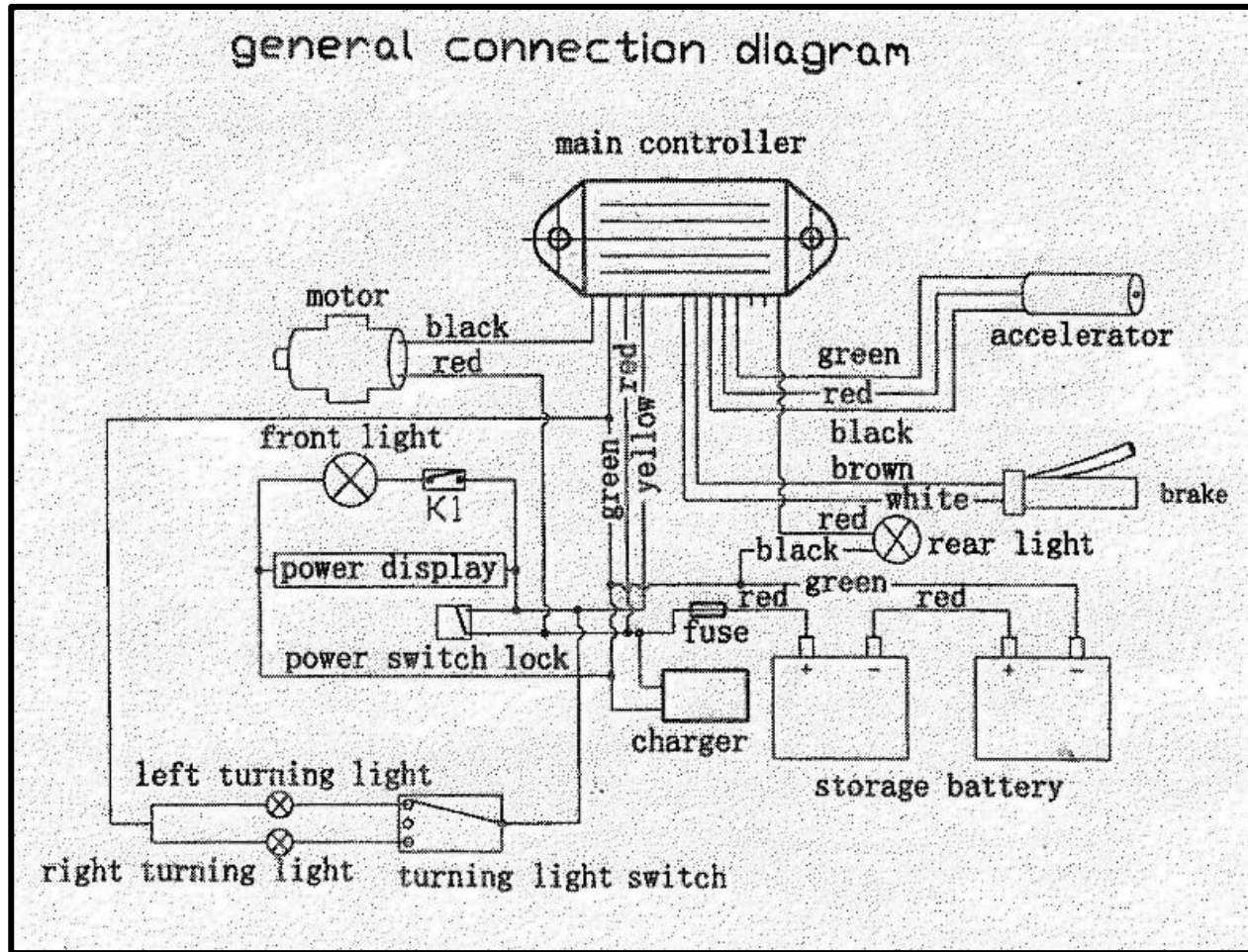
Perform each time you ride your XMB-320

- Clean the exterior of the unit with a soft, damp rag. (DO NOT WASH WITH A HOSE)
- Check that all nuts and bolts are securely tightened.
- Lubricate the chain with any silicone spray, 3&1 oil or any good clean motor oil.
- Check battery charger for any frayed/cut wires.

**Troubleshooting**

<b>SYMPTONS</b>	<b>POTENTIAL CAUSE</b>	<b>SOLUTION</b>
The charger light turns green & red right away	1. This indicates the batteries are adequately charged.  2. Bad Fuse or open connection between charger socket and batteries.	1. Continue to charge the batteries for 6-8 hours prior to initial use.  2. Check Fuse: Look for loose or disconnected wire
Batteries do not hold a charge. Unit does not have specified travel range.	1. Batteries have reached the end of their useful life. 2. Charger is malfunctioning.	1. Replace Batteries 2. Replace Charger Unit.
Unit moves intermittently or very slow.	1. Batteries not fully charged. 2. Loose Wire. 3. Bad Throttle or controller.	1. Charge or replace batteries. 2. Check for loose wires 3. Replace
Unit will not move when throttle lever is activated.	1. Batteries not fully charged. 2. Brake switches out of adjustment 3. Batteries have reached the end of their useful life.	1. Replace batteries or charger. 2. Loosen brakes 3. Replace batteries.
Unit stops abruptly during use.	1. Fuse Blown 2. Loose or broken wire.	1. Replace Fuse 2. Check for loose or broken wires and repair/replace.

# WIRING DIAGRAM





**DO NOT RETURN TO STORE!**

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**For General Information or Parts Visit  
[www.x-tremescooters.com](http://www.x-tremescooters.com)**

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