



## USER'S MANUAL



# CHALLENGER X

RECREATIONAL ELECTRIC SCOOTER

MODEL: J750

**Please read this manual completely before riding your scooter**

[www.challengermobility.com](http://www.challengermobility.com)



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# Introduction

Thank you for investing in a Challenger X recreational scooter. This scooter is the latest innovation in electric mobility providing absolute safety; for both its rider and the environment.

This scooter features a sleek design while maintaining safety standards that are required of any mobility product. Its internal components have been designed to provide optimal performance while maintaining high-efficiency. The Challenger X also includes multiple features that increase overall functionality, yet simple to manage.

In order to get the most of your Challenger X, please read and follow all instructions, warnings, and notes in this owner's manual and all other accompanying literature before using it for the first time. Improper use of the scooter could result in harm, or traffic accidents.

The manufacturer disclaims all responsibilities for any personal injury or property damage which may occur as a result of improper or unsafe use of this product.

This owner's manual includes operation instructions for every aspect of the scooter including assembly, safety instructions, as well as instructions for how to deal with possible accidents.

If there is any information in this manual which you do not understand, or if you require additional assistance for setup or operation, please contact your authorized dealer.

By accepting delivery of this product, you promise that you will not change, alter, or modify this product or remove or render inoperable or unsafe any guards, shields, or other safety features of this product; fail, refuse, or neglect to install any retrofit kits from time to time provided by Challenger Mobility to enhance or preserve the safe use of this product.

Please keep this owner's manual in a proper place or on the scooter. If other people use the scooter, please be sure to provide this copy.

**NOTICE:**

This owner's manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. As designs change, some illustrations and pictures in the manual may not correspond to the scooter that you purchased.

Any changes to our products may cause slight variations between the illustrations and explanations in this manual and the product you have purchased. The latest/current version of this manual is available on this website:

[www.ChallengerMobility.com](http://www.ChallengerMobility.com)

# Safety Notices

## **Read the Owner's Manual**

Do not operate your Challenger X Scooter for the first time without completely reading and understanding this owner's manual. The user should be familiar with the operation of this scooter, and keep the safety notices in mind.

## **The same traffic rules for pedestrians apply to the use of this scooter.**

This product does not conform to Federal Motor Vehicle Standards and is not intended for operation on public streets, roads or highways.

For your safety, please follow the rules that apply to pedestrians.

1. Ride on sidewalks or pedestrian areas only.
2. At the end of a sidewalk, be aware of the cars on the road.
3. Be extremely cautious when driving your scooter around heavy traffic streets or shopping malls.
4. Always obey pedestrian traffic signals.

## **Practice operating your scooter**

Until you are familiar with the operation of your scooter, please practice in a wide and open area, like a park. To prevent the possibility of falling off your scooter while driving, bear in mind the scooters driving motion, such as whether it is accelerating, stopping, turning, reversing, or going up or down inclines.

1. Please set the speed dial to the lowest speed initially.
2. Be sure someone is accompanying you and watches for traffic while you are driving on the road for the first time.
3. Be sure you are able to control and operate your scooter safely and confidently before changing to a higher speed.

## **Passenger Limitation**

Do not carry any passengers on your scooter (including children). Do not use this scooter to carry or transport goods. Stay within the specified weight capacity of your scooter. Exceeding the weight capacity voids your warranty.

## **Pre-Ride Safety Check**

Please carry out daily inspections. Refer to Section "Care & Maintenance" for inspection procedures. Always make sure your scooter's batteries are fully charged before operating. Make sure the throttle lever is secure before turning on your scooter and check for proper tire inflation.

## **Wear approved Gear**

While wearing a helmet is not required, it is still advised for safety precaution. Always wear shoes when riding your scooter.

**Do not use a mobile phone or other wireless communication device while driving.**

Also, do not charge a mobile phone or other electrical devices from your scooter.

**Do not stretch your body out on the scooter**

Such action may cause you to lose your balance or be injured. Also, pay attention to loose clothing that could get tangled in the wheels.

**Do not use your scooter under any of these circumstances:**

- The road is muddy or has loose gravel
- The road is bumpy, narrow, or snow covered
- The road is beside a canal or waterway without fencing or hedges
- Do not drive your scooter after consuming alcohol or when fatigued
- Do not drive your scooter at night or in inclement weather
- Additionally, avoid holes in the road where your wheels may get stuck.
- Do not make sudden turns.
- Do not ride on an escalator or in elevators.

**Be careful driving on or near ramps and inclines**

- Be careful while driving up a steep incline.
- When riding **up or down** an incline, please drive slowly.
- Do not drive through any holes in the road.
- Do not pass through water covering the road unless the water is less than 1 in. deep.
- Please drive slowly on roads with drops or dips.
- Do not make sudden turns while drive on gravel roads or ramps.

**Maximum Weight Limitation**

Refer to "Maximum Weight Capacity" in the "SPECIFICATIONS" section for details. Overloading your scooter will lead to damage to, or malfunction of, your scooter. This could cause the scooter to become a safety hazard. The warranty does not cover damage from overloading.

 **WARNINGS:**

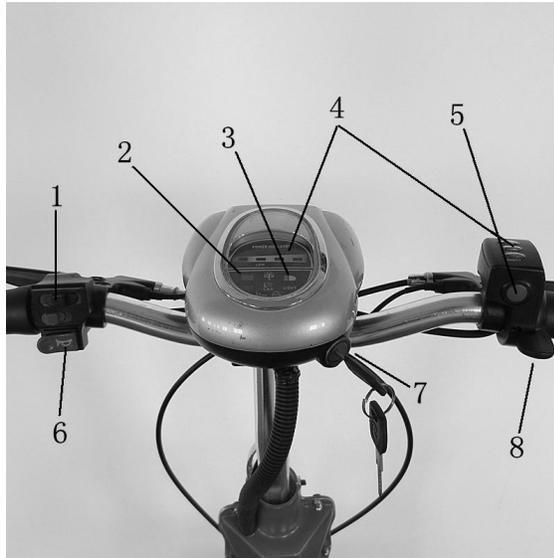
- Always keep your feet on the scooter platform when moving.
- Never carry or wear anything which obstructs your vision, or would interfere with the proper scooter operations.
- Never ride your scooter while under the influence of alcohol or other drugs.
- Persons without excellent vision, balance, coordination, reflex, muscle and bone strength and good decision-making capabilities should not use this product.
- 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.
- Always maintain a comfortable stopping distance from all other riders, vehicles and objects.
- 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.

## Scooter Components Overview



1. Hand Brakes
2. Front Basket
3. Front Motor-Wheel
4. LED Headlight
5. Standard Seat
6. Removable Floor Mat
7. Rear Wheel
8. Charging Port

# Handlebar Display



- 1.Speed Limit Switch
- 2.Power Light
- 3.Headlight Indicator
- 4.Power gage
- 5.Forward/Reverse Button
- 6.Horn Switch
- 7.Key Switch/Light Switch
- 8.Throttle Knob

## Charging the Batteries

Before you ride the mobility scooter for the first time you must charge the batteries for 6—8 hours using the supplied charger.

To charge the batteries, plug the charger into the charger port of scooter at the lower left, then plug the charger into a wall outlet.



When you plug the charger into the A/C outlet the red light on the charger will come on, it will become green after a complete charge.

# Assembly Instructions

The packaging will contain the assembled scooter frame, elbow tube, tiller and handlebar, charger, tool bag, front basket, helmet, standard seat and seat post assembly.



## Step 1:

Insert the elbow tube into the groove of scooter chassis, and screw tightly with the attached screws.



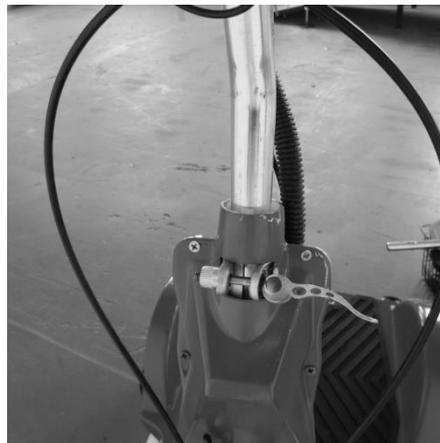
**Step 2:**

Put the scooter tiller into the tube. Make sure the position is proper. Tighten the top screw with spanner, and fasten lock buckle.



**Step 3:**

You can also use this method to change the height. It is worthwhile to lock buckle tightly, or it is dangerous.



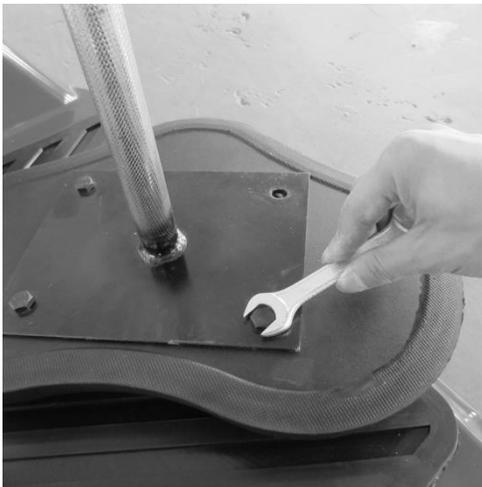
**Step 4:**

Adjust the position between the scooter and the basket. Screw two screws tightly. Be sure to attach the gold washer plate to prevent the basket bolts from going through the basket.



**Step 5:**

The standpipe should be inserted into the hole of scooter chassis, and the seat of the left picture should be inserted into the standpipe. After you adjust to a proper height, it is important to lock the lock catch with spanner.





# Riding Instructions

It is important that you understand how to operate the scooter, so carefully follow these steps:

1. Check the power gauge indicator on the front tiller panel. Make sure it is on green to get the most travel distance.
2. Adjust the seat height if you are using it.
3. Check that the manual brake is not locked. Squeeze it to disengage.
4. Turn the key to ON position (clockwise). If you want to turn on the headlight you should turn the key again.
5. Check to see if the power light is in the red zone.
6. You should always keep to the speed limit, you can use the Speed Light Switch to get a proper speed, We recommend that you begin using the low speed until you get acquainted with our mobility scooter and become proficient riding it.
7. The forward/reverse button could change the moving direction of the scooter.
8. Gradually turn the Throttle Knob until the desired speed is achieved. Do not venture to full speed operation quickly.
9. Make sure to slow down your speed while turning and balancing your weight.

# Care & Maintenance

Check your scooter before riding and make sure it is fully charged. If you find anything abnormal, go to or call your scooter dealer for further inspection before using it.

## **TIRES**

The condition of the tires depends on how you drive and use your scooter. Please check the tread depth regularly. When tread depth is below 0.5mm, it can easily lead to slippage, making braking distance longer. Replace the tires when the tread depth is less than 0.5mm. Regularly inspect your scooter's tires for signs of wear.

## **MAINTENANCE**

1. You must maintain the scooter frequently if you drive on grass, sand, or gravel roads.
2. Do not use water, oil or other chemical solutions to clean your scooter. Be sure NOT to spray the scooter with water to prevent damaging the electronic components and printed circuit board.
3. Please take the scooter to authorized dealers for repairs and adjustments. Improper adjustments could lead to accidents and scooter malfunction.
4. Please use soft and dry clothes to keep your scooter tidy. Please use moderate or mild detergent to clean the scooter.



## **WARNINGS**

- When conducting maintenance of your scooter, please turn the key switch "OFF" and remove the charger cord.
- Do not splash water directly onto your scooter, as this could lead to a malfunction of the electric system.
- Do not use gasoline, solvents or vaporizing solution, as the shroud may be deformed or damaged.
- Do not use wax.

## **LUBRICATION**

At six-month intervals, you should lubricate the following parts with a light oil or similar lubricant:

- Seat post
- Wheel bearings
- Axle of scooter

## **Caution**

Do not use **WD40** to lubricate parts. Do not lubricate transaxle/gear box. In the event of any difficulties, please consult your provider.

## **STORAGE**

Please store the scooter in a location where it is out of direct sunlight, rain, or dew. When storing for long periods of time, please charge the batteries fully and then disconnect the batteries at the terminals.

Make sure the key switch is turned to "OFF", and set the e-brake of the left brake handle.

# Basic Troubleshooting

Below tips is how to deal with the technical situations that you may encounter:

problem	cause	solution
The key is turned to the ON position, but there is no drive.	The amperage may be too low to drive and may need charging.	Fully charge the batteries
The key is turned to the ON position, the battery gauge shows charge, but there is no drive.	The brake may be engaged, which disables the controller.	Depress and unlock the hand brake
The scooter takes too long to brake and it doesn't brake completely.	The brake needs adjusting.	Rotate the brake cable adjuster away from the brake lever
The scooter stops after a while.	The batteries may need to be charged	Fully charge the batteries, and/or have the batteries tested.
Scooter is always losing speed	Batteries may be weak	Recharge it for 6-8 hours. It may need replacement if they discharge too quickly.

# Technical Specifications

**Model:** J750

**Dimensions assembled:** 50" (L) x 32" (W) x 48" (H)

**Dimensions folded:** 50" (L) x 32" (W) x 31" (H)

**Ground clearance:** 3"

**Total Weight with battery and seat:** 126 lbs.

**Maximum load Capacity:** 300 lbs.

**Front wheel size:** 16"

**Rear wheels size:** 14"

**Voltage DC:** 48V

**Battery Size:** 4x (12V -12AH)

**Charger input voltage AC:** 110V-220V

**Charger output voltage DC:** 48V

**Maximum speed:** 18 M/H

**Travel Distance:** 15-20 miles per charge

**Climbing ability:** 17°

**Manual Hand Brakes:** front and rear wheel

**Type of motor:** Brush-less motor

**Motor power:** 750W

**Charging time:** 6-8 hours

## **\*Disclaimer:**

The information contained herein is correct at the time of publication; we reserve the right to alter specifications without prior notice.

Speed & range vary with user weight, terrain type, battery charge, battery condition and tire pressure.

The above data was calculated using a standard weight of 150 lbs. on a flat smooth surface.

Due to manufacturing tolerances and continued product improvement, this specification is subject to a variance of +/- 3%

# Limited Warranty

## **THREE-YEAR LIMITED WARRANTY**

Three (3) years from the date of purchase on all structural frame components; including platform, seat post, and frame.

## **ONE-YEAR LIMITED WARRANTY**

One (1) year from the date of purchase, if any part or electronic component of the Scooter is found upon examination to be defective in material and or workmanship, it will be repaired or replaced, at Challenger Mobility option, without charge.

## **LABOR AND SERVICE CALL CHARGES ARE NOT INCLUDED**

The purchaser is responsible for the delivery to the authorized repair facility. Satisfactory proof of purchase and the date of purchase are always required.

For warranty service, please contact the dealer/company from whom you purchased your scooter.

**SHIPPING - DOMESTIC:** All warranty items will be shipped via FedEx Ground. Requested expedited shipping will be at the expense of the purchaser.

**SHIPPING - INTERNATIONAL:** Parts will be provided under warranty at no charge, but shipping to any offshore and/or international location will be the responsibility of the purchaser. International and offshore end-users must contact the dealer/distributor directly to initiate the warranty process.

## **ONE-YEAR WARRANTY EXCEPTIONS:**

**MOTOR:** In cases where there is an increase in the operational noise level, the warranty does not apply. (An increase in operational noise level usually occurs due to abusive and excessive strain on the scooter).

The batteries are warranted for 6 months after the purchase of the Unit.

**SERVICE:** Warranty service can be performed by an authorized service facility. Do not return faulty parts without prior consent. A request for a Return Authorization is required prior to returning items. All transportation costs and shipping damage incurred while submitting units and/or parts for repair or replacement are the responsibility of the original purchaser.

**WARRANTY EXCLUSIONS:**

This warranty is only given to the original purchaser of the Scooter.

This Warranty excludes:

- Consumable items which may need replacing due to normal wear and tear (tires, tubes, belts, bulbs, upholstery and seating, throttle, brakes, fuses, plastic shrouds and footrest covers, etc.)
- Damaged caused by: battery fluid spillage or leakage, abuse, misuse, accident, or negligence, improper operation, excessive loading, maintenance, or storage, commercial use or use other than normal.
- Used other than for the purpose of the purchaser's mobility.
- Repairs and/or modifications made to any part of the scooter without specific and prior consent from Challenger Mobility.
- Labor, service calls, shipping, and other charges incurred for repair of the product not approved by Challenger Mobility.
- Batteries: Batteries carry a limited warranty which is subject to a stringent wear and tear clause. Any battery faults due to a defect in the original manufacture will normally become obvious within the first two months of use. Any gradual deterioration in performance after this period is normally associated with fair wear and tear, misuse or accidental damage and as such is not covered by the manufacturer's warranty. There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one (1) year from the date of the original purchase and to the extent permitted by law. Any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion of limitation of incidental or consequential damages. So, the above limitation or exclusion may not apply to you.

# Product Registration

## CHALLENGER X RECREATIONAL ELECTRIC SCOOTER

**MODEL** **J750**

**Scooter Serial Number**

<b>Date Purchased</b>	
<b>Owner's Name</b>	
<b>Address</b>	<b>Street:</b>
	<b>City:</b> <b>State:</b> <b>ZIP:</b>
	<b>Phone:</b>
	<b>E-mail Address:</b>
<b>Dealer's Name</b>	
<b>Dealer's Phone</b>	
<b>Comments</b>	

### Mailing address

**16609 US HIGHWAY 19 - Hudson, FL 34667**

**Fax Number (727) 597-8454**

**Toll Free Number 1-888-364-3813**

**[www.challengermobility.com](http://www.challengermobility.com)**