

AFD-4L

**AFD-4L** **ELECTRIC**  
ELECTRIFY YOUR WORLD



**Mobility Scooter**  
AFD-4L Electric Scooter Users' Manual - EN

PLEASE INSPECT YOUR ELECTRIC MOBILITY  
SCOOTER  
UPON ARRIVAL AND REPORT ANY DAMAGES  
THAT MAY HAVE  
OCCURRED DURING SHIPPING

AFD-4L



## SAFETY INFORMATION



Please note the following information to ensure your safety and get better use out of your Mobility Scooter. Keep this manual safe for future reference.

Please read the manual prior to first use and do not permit anyone who has not, operate the vehicle.

**⚠ NOT FOLLOWING THE SAFETY AND OPERATIONAL INSTRUCTIONS IN THIS MANUAL MAY LEAD TO DAMAGE TO THE SCOOTER AND INJURY TO THE RIDER ⚠**

This scooter is designed only for one adult only. Never exceed the max load capacity of the vehicle. 330lbs (150kg)

Take extra care when handling the batteries inside your scooter. Avoid directly touching contacts with damp hands or metal tools to prevent electrocution.

To ensure the safety and reliability of your scooter, do not modify your scooter, and always use parts, i.e. charger, specifically designed for the AFD-4L

**⚠ ALWAYS APPLY BRAKES WHILE GOING DOWNHILL TO CONTROL SPEED AND AVOID SHARP TURNS AT HIGHER SPEEDS TO PREVENT TIPPING SIDEWAYS! ⚠**

**⚠ THIS VEHICLE WAS NOT MANUFACTURED PRIMARILY FOR USE ON THE PUBLIC ROADS AND THUS IS NOT A MOTOR VEHICLE SUBJECT TO THE FEDERAL MOTOR VEHICLE SAFETY, BUMPER AND THEFT PREVENTION STANDARDS OR THE EQUIPMENT ITEM IS NOT A SYSTEM, PART, OR COMPONENT OF A MOTOR VEHICLE AND THUS IS NOT AN ITEM OF MOTOR VEHICLE EQUIPMENT SUBJECT TO THE FEDERAL MOTOR VEHICLE SAFETY STANDARDS. [591.5(A)] ⚠**

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## Riding Safety

**ALWAYS** practice riding your scooter in an open area prior to driving amongst vehicle/pedestrian traffic

**ALWAYS** wear an approved helmet when riding your scooter

**ALWAYS** accelerate slowly and steer with both hands

**ALWAYS** drive with caution at appropriate speeds

**ALWAYS** use your scooters turn signals and horn

**ALWAYS** obey local traffic law

**ALWAYS** be aware of your surroundings, pedestrians, traffic, etc

**ALWAYS** take extra care when driving in spaces shared with motor vehicles: parking lots, driveways, crosswalks etc

**ALWAYS** apply brakes while driving downhill to regulate speed

**ALWAYS** take extra care driving in wet conditions

**ALWAYS** use your lights when driving in darker conditions

**ALWAYS** wear reflective clothing while driving in darker conditions

**ALWAYS** adjust the seat/steering column while stationary

**ALWAYS** follow the battery/scooter care instructions

**ALWAYS** inspect your scooter prior to use

**AVOID** driving off-road or on surfaces that may lead to scooter damage

**AVOID** driving in conditions that may get the electric components wet

**AVOID** driving in conditions where you are not visible

**AVOID** overloading the scooter

**AVOID** inclines greater than the recommended maximum of 12°

**NEVER** driving while fatigued or tired

**NEVER** driving under the influence of drugs or alcohol

**NEVER** distracted driving by not using a cell phone while driving

**NEVER** use replacement parts not approved by AFD-4L Electric

**NEVER** use a charger not included or approved of by AFD-4L Electric

## Overview

Thank you for your purchase of the Electric AFD-4L Mobility Scooter. It is an easy to operate mobility scooter designed for indoor and outdoor use. This stylish recreational mobility scooter doesn't require any licensing, registration or insurance.\* (*\*unless required locally*)

Inspired by motorcycle design, AFD-4L is packed with features from generous top speeds to long driving range rear shock suspension, front and rear adjustable seat and more! This manual contains a wide range of general information and should be read before you operate it.

# Assembly

Your AFD-4L arrives 95% assembled and is ready in 5 simple steps and only requires a basic screwdriver and adjustable wrench.

## Step 1 - Unboxing

Unpack your scooter - Untie or snip the wires holding your scooter in its protective frame and remove it from its packaging. We recommend saving shipping material until assembly is complete to avoid accidental loss of small parts/components. Double check that your scooter includes the following components:



## Step 2 - Install the Headrest

Press down the lock buttons on top of the backrest to insert the headrest, release the buttons to lock the headrest in a desired height. (as shown)



### Step 3 - Install the Rear Box

Open the rear box and fix it onto the support bracket with 5 sets of screws and nuts, and tighten them with the wrench and L-wrench. (as shown)



### Step 4 - Install the Rearview Mirrors

Screw the rearview mirrors clockwise into the holes on the handles, and adjust them to a proper position. (as shown)



### Step 5 - Turn On the Power

Insert the key into the rear keyhole, turn clockwise, then lift the seat and flip the switch to ON (short line). You will hear a beeping sound to indicate the scooter power is connected. (as shown)



## Scooter Diagram



Max Support: 330 LBS (150 KG)

- |                      |                             |
|----------------------|-----------------------------|
| 1 Rearview Mirror    | 6 Seat Adjusting Handle     |
| 2 Key                | 7 Backrest Adjusting Handle |
| 3 Brake Lever        | 8 Rear Box Support Bracket  |
| 4 Charging Inlet     | 9 Rear Box                  |
| 5 Anti-tipping Wheel | 10 Armrest                  |
|                      | 11 Headrest                 |



## Control Diagrams



- |                            |                              |
|----------------------------|------------------------------|
| 1 Forward/Backward Switch  | 6 Display Panel              |
| 2 Front Light Switch       | 7 High/Low Beam Control Gear |
| 3 Speed Control Handle Bar | 8 Rear Wheel Brake Lever     |
| 4 Front Wheel Brake Lever  | 9 Signal Light Switch        |
| 5 Speed Control Gear       | 10 Horn                      |
|                            | 11 USB Charging Port         |

# Operating & Adjusting your Scooter

## Turning your Scooter ON/OFF

To turn the scooter on, insert the key into the ignition and turn clockwise. To turn your scooter off, turn the key counterclockwise from the on position. The LCD display should activate indicating the scooter is on.

## Driving your Scooter

The scooter features a variable twist throttle on the right handlebar. Gently twist the throttle grip inwards to slowly accelerate to the desired speed. Avoid twisting too hard or too quickly as this may result in jumps in accelerations making steering less controllable.

To slow or stop your scooter, release the throttle and squeeze both brake levers to apply both front and rear brakes. Always apply both brakes at the same time, especially when traveling at higher speeds. Please note the electric braking function of your scooter will prevent the motor from starting if the brakes are applied.

**△ Drive with care on wet/slippy/icy surfaces as it will increase the distance needed to stop, allow extra room for braking in these conditions. When driving downhill it is recommended to release the throttle & apply brakes as needed to control the scooter's speed. △**

Your scooter features control switches next to the throttle grip that adjust driving features. The upper switch labeled 1-3 sets the current speed setting [Setting approximate speed: 1 - 4mph, 2 - 8mph, 3 - 15mph] The lower switch drives the scooter in reverse at 4mph. **Bring your scooter to a complete stop before switching between forward and reverse.**

## **Driving your Scooter continued...**

The brake handle also features a parking brake option. Once stopped you can apply the parking brake by squeezing the brake normally and then pressing in the small parking brake lever on the brake handle. To release the parking brake simply squeeze the brake handle again. Always park on a level surface.

## **Using the electric features of you Scooter**

Your scooter has several features that have controls also located on either side of the display screen. (See control diagram for locations)

Right Side Controls:

The 3 position black switch controls the scooters lights:

- ( ☀ ) All lights including headlight ON
- (>DC<) Daytime signal & running lights only or
- ( ◦ ) All lights OFF

Left Side Controls:

The upper switch adjusts the intensity of the headlight when it is active. Low beam and high beam.

The center switch controls the turns signals by pushing it in the direction you want to indicate. Return it to the center position to turn turn signals off.

The lowermost of the switches is a button labeled with a horn symbol that activates the scooter's horn.

## **Charging your Scooter**

Your scooter does not come fully charged and requires a full charge before

your first use. To maintain the batteries life charge after use and don't allow the battery to empty completely. Locate the charging port just below the front of the seat, insert the corresponding end of your charger and then plug into a standard wall socket. The light on the charger will illuminate red while your scooter is charging and will switch to green when charging is complete. (Approximately 8-10 hours)

Please note that your charger may become warm or emit sound during charging, this is normal. Oppositely if it doesn't, this does not indicate a problem with your charger.

**Avoid dropping your charger and keep away from moisture & cold temperatures! Your scooter will only charge and operate with the breaker in the ON position!**

### **Adjusting your scooter**

The "smart" seat on the AFD-4L has several possible adjustments.

#### **Seat be shifted forward or backward.**

The seat can be shifted forward or backward. To adjust either, locate the seat adjustment handle located on the right side of the base of the seat. Engage the handle, adjust the seat to your liking and release the handle. Always remember to come to a complete stop before adjusting the seat.



## Backrest Adjusting

Pull up the backrest adjusting handle to adjust the backrest angle, release the handle to lock its position. (as shown)



## Armrest Adjusting

Each armrest can be pulled up, adjust the knob underneath to change its angle.(as shown)



## Storage on your Scooter

Your scooter comes complete with several storage options. The largest being the enclosed container located on the back of the seat and is lockable with the scooters keys. There is also a hidden storage compartment located beneath the seat, it is accessible by unlocking the latch located on the rear of the scooter below the seat. Under USB charging port, a small seat pocket is available for your odds and ends.



## Parking / Unparking

Press and hold the rear wheel brake lever, press down the parking button to park the scooter; press the rear wheel brake lever again to let the parking button pop out and unpark the scooter. (as shown)



## Remote Instruction



## Battery Replacement Instruction



Step1: Insert the key into the rear keyhole, turn clockwise, then lift the seat.



Step2: unscrew two screws



Step3: Lift the bucket up and take out the bucket



Step4: Unscrew all the screws on the connecting cable and take out the batteries one by one.



Step5: Before unscrewing the screws, you need to open the protective cover

## Maintenance & Care

The AFD-4L requires minimal maintenance which can be performed by most users, a friend or family member, or scooter technician. Visually inspect your scooter regularly for any signs of damage, especially after any collisions or accidents.

**⚠ To ensure the safety and reliability of your scooter, do not modify your scooter, and always use parts, i.e. charger, specifically designed for the mobility scooter. Always make sure your scooter is turned off before performing any maintenance! ⚠**

### Safety Inspection List

**BEFORE YOUR FIRST RIDE** and periodically after, check the following:

#### Brakes:

- Do the brakes prevent movement when they are squeezed?
- Does the power supply correctly cut out while braking?
- Is there any friction or noise when driving?

#### Tires:

- Are they properly inflated? (2.5 PSI)
- Are the tires in good condition?

#### **Safety Inspection List Continued...**

#### Lights:

- Do the turn signals function properly?
- Does the headlight function properly?

#### Steering Handle:

- Does it turn freely?

#### General:

- Are there any loose parts, nuts, bolts etc?

**Any issues found should be addressed before riding the scooter!**

#### **Battery**

**△ Always charge your battery with the included charger, do not substitute with a different charger. For best performance, charge after use and avoid completely draining the battery by recharging it before the meter reaches zero. △**

The battery in your scooter requires regular charging, even when not in use, to maintain its life. This maintenance charge should be performed at least once a month if no other charging has occurred. If storing the scooter for an extended period of time, such as during winter, ensure that it is accessible to perform the required maintenance charging.



All batteries are affected by environmental temperature. The battery will discharge faster at lower temperatures, resulting in a shorter trip time. Prolonged exposure to subzero temperatures may result in damage to the battery.

Ensure the battery does not come in contact with flames or alkaline materials and avoid direct prolonged exposure to sunlight.

The speed the scooter is driven at will directly affect the range and battery life of each ride. The faster the scooter is driven the shorter total ride time will be. Lower speeds will provide the best performance.

## **Tires**

The AFD-4L is equipped with tubeless tires, these require less maintenance, and are less prone to flats compared to traditional tube tires. However, damage and flats are still possible. The condition of your tires not only directly affects the ability to drive your scooter but also its general performance. Replace worn tires as necessary, please contact customer service to inquire about placing an order.

In the event your tire is unable to hold air. Check it for any cuts or punctures. In the event of a puncture the tire can be repaired at home with a basic patch kit for tubeless tires, or by a shop that repairs tires. In the event that there is a cut or greater damage to your tire(s) replacement parts are available to order, please contact customer service.

**△ The tread on the tires is crucial to the scooter's handling and safety. Worn out treads will reduce the grip between the tire and the driving surface resulting in less control and possible accidents. △**

## **Lubrication**

This vehicle is designed with a differential motor for the rear axle and the gearbox needs lubrication with the gear oil. This should be changed every

2-3 years under normal driving conditions or if stored for an extended period of time.

### Cleaning

To clean your scooter use a damp cloth with a neutral soap to wipe clean surfaces. Avoid high pressure or excess water as this may cause corrosion or shorts in electrical components.

## Specifications & Troubleshooting

### Scooter size



<b>Speed control</b>	Gear one 4mile/h, Gear two 8mile/h, Gear three 15mile/h	<b>Function</b>	Safe belt, rear box
<b>Range</b>	25-31 mile		Stock placck under seat
<b>Rate load</b>	330lbs		Far-near light,
<b>Weight</b>	282lbs		Horn and reverse horn
<b>Size</b>	62.6*27.2*42.1 inch		3 speed choose,
<b>Battery</b>	60V20AH lead-acid		USB charge port,
<b>Tire</b>	3.0-10 tubeless		Seat before and after adjustment
<b>Power</b>	800W Differential motor		Backrest Angle adjustment
			Head rest up and down adjustment

## Warranty

The limited warranty as contained herein is exclusive and in lieu of all other warranties expressed or implied. There are no warranties that extend beyond the description in this limited warranty.

AFD-4L Electric guarantees this product, including charger, motor, controller, to be free of manufacturing defects for a period of 12 months. All warranty periods commence from the date of shipment. Six Months of the Lead-acid Battery.

This limited warranty does not cover normal wear and tear items/parts. (tires, brake pads, cables, etc) It does not cover the product issues due to misuse, neglect, or accident. Nor any damage, failure, or loss caused by improper assembly, set up, storage, maintenance, or improper servicing.

For any request regarding warranty, spare parts or replacement devices do not hesitate to contact us by e-mail. Have your order number ready before contacting us.

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**DJD-4L**



**AFDD-4L**



**SN-4L**



**BSH-4L**



**AFD2D-3L**



**XL-4L**