

zoom



ZoomAir 2 Owner's Manual

THANK YOU

Dear Friend,

I wanted to thank you personally and I'm really excited to have you as part of our Zoom community.

Our mission is to make urban commuting easier by bringing sustainable urban transportation devices that are practical, affordable and stylish to market. You are now the proud owner of the ZoomAir 2. ZoomAir is ideal for short distance commuting in urban cities and complementary with other modes of transport.

This owner's manual consists of important safety and operating instructions that anyone must read before operating ZoomAir. We know that you'll be a responsible user of ZoomAir, keeping in mind of the safety regulations and always look out for pedestrians.

Zoom is all about living life the way you choose and we strongly believe in personal freedom, fun and being environmentally responsible.

Alright, I shan't hold you any longer, I know you're excited to go out for a spin! Feel free to send me any feedback to james@zoom.sg, I would love to hear what you think.

James Lai
Founder
Zoom Urban Transport

GENERAL WARNING

Like any sport, scooting involves risk of injury and damage. By choosing to ride ZoomAir, you assume the responsibility for that risk, so you need to know and to practice the rules of safe and responsible riding and of proper use and maintenance. Proper use and maintenance of your scooter reduces risk of injury.

Your scooter is designed for use by persons 16 years old and above. Riders must have the physical coordination, reaction time and mental capability to ride and manage traffic, road conditions, sudden situations and also respect the laws governing scooter use where they ride, regardless of age.

If you have an impairment or disability such as a visual impairment, hearing impairment, physical impairment, cognitive/language impairment, or a seizure disorder, consult your physician before riding ZoomAir.

Before using your new ZoomAir

Register for your warranty online at www.zoom.sg/warranty. Your warranty is only effective after you have registered online. You should receive an authorised warranty card you're your dealer when you purchase your ZoomAir which will be needed when registering online.

Correct operation of your ZoomAir is important for your safety and enjoyment. To avoid injury and maximise your riding performance and enjoyment, you must

- ✓ Please read this manual completely and also read and abide by the terms and conditions of sales
- ✓ Only use the ZoomAir where it is legal under local laws
- ✓ Follow the setup steps and practice correct folding and unfolding procedures.
- ✓ Ensure the total rider weight plus backpack does not exceed 100kg (220 lbs).

Safety Warnings

- You will need to learn how to ride. Just like learning how to ride a bike or drive a car it takes practice. Take at least 15-30 minutes to familiarise with operating the ZoomAir in a safe area before riding in public.
- ZoomAir is for a single adult usage only; please do not carry two persons at the same time. Only persons aged 18 and above should operate ZoomAir.
- Always wear a cycling helmet which meets the safety standards applicable in your country
- Do not ride with no hands. Always ride with both handles on the handlebars.
- The front throttle brake is quite different from conventional bicycle braking and you need to become familiar with it. As the brake is quite sensitive, always brake slow and lean backwards slightly while braking to balance your centre of gravity.
- Do not ride on surfaces where the wheels could get caught.
- Never use ZoomAir on steep slopes (over 10 degrees) and only go slowly downhill.
- Do not attempt to cross any kerbs that are above 3cm directly as the scooter might overturn. Always step off when approaching any kerbs.
- Do not use ZoomAir when the temperature is below -5°C
- Do not use on snow, ice or oily surfaces.
- Avoid riding in rough or poor road conditions.
- Learn to ride in a wide open space (eg. empty car park) before going on pedestrian pathways.
- Adjust the height of the handlebars to your appropriate level to ensure safe riding.
- Always keep both feet on the scooter.
- Do not immerse the scooter in water of depth more than 4cm to avoid damaging the electrical components of the scooter.
- Obey all local and national traffic, insurance, registration, and helmet laws, including not driving while under the influence of drugs or alcohol.

Unfolding the ZoomAir

Unfolding and folding the ZoomAir is a process that can take as little as 10 seconds but it takes practice. The following steps will show you the correct sequence to ensure the ZoomAir is fully unfolded and safe to ride.

For an informative video of how to fold and unfold the ZoomAir please go to www.zoom.sg/owners.



1. Press down on the rear plastic fender to unhook the stem. Push the stem all the way forward with one leg on the platform till the stem is straightened and secure.



2. Pull the handlebar according to the arrow direction and they will retract to their ready position.

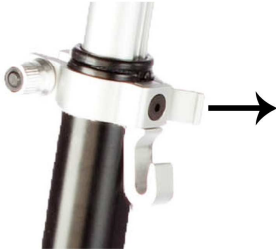


3. Unlock the tightening lever.



4. There are 2 main heights for the handlebar. Adjust to your appropriate height by pulling the handlebar upwards. It will lock automatically when it reaches a fixed height. To adjust again, simply press the protruding button shown and re-adjust. Lock the tightening lever afterwards.

Folding the ZoomAir



1. Push the lockstitch lever to loosen the stem.



2. Press the protruding button in order to shorten the main shaft.



3. Shorten the shaft by pushing the handlebar all the way downwards. Lock the tightening lever.



4. To fold the handlebar, hold it with both hands and you should feel a small protruding button on each side of the handle bar. Press it, pull apart and then swing it downwards to hold the handlebar.



5. Here's the tricky part. To fold the scooter, you have to place one foot firm on the deck while pushing forward the main stem with some strength. At the same time, press down on the red lever with your feet. The scooter should fold.



6. Fold the scooter down, and then lock the stem with the rear fender by hooking it. And you're done!

Operation

Operational Display



1. ON/OFF

Press and hold the power button for 2 seconds, and the display panel will light up indicating power is on. Power will be turned off after 3 minutes of idle.

2. Speed control

Press the right thumb acceleration throttle to control the speed (1-25km/h). The acceleration throttle is pressure sensitive and the harder you press it, the faster it goes.

3. Braking Control

Press the left thumb electronic magnetic brake throttle to brake. The brake throttle is pressure sensitive too. Do note that the braking will need getting used to due to its front wheel drive, always press the brake throttle gently and lean backwards while braking to balance the weight distribution.

4. Horn

Turn on the power, press the horn button and it will hoot.

5. LED Headlight

Press and hold the LED headlight button for 2s to turn it on at night or in dark areas. There will be a sign in display panel that indicates that the light is turn on. Press the button again to turn off the headlight.

6. Mileage

When the power is on, the display panel is able to show two different modes: total mileage or trip mileage. You can press the mode 'S' button to switch between the modes.

When it displays the 'trip' mode, press and hold the reset button for 3 seconds and it will reset the trip. Be sure to reset your trip mileage every 100 km.

When it displays the 'odo' mode, it indicates the lifetime distance of the machine and this cannot be reseted.

7. Emergency

For emergency situations, you can press on the rear foot brake to simultaneously achieve the front electronic magnetic brake and rear wheel friction brake. Under normal circumstances, please do not use the emergency brake at high speed to avoid the damaging the wheels.

Riding Operation

Getting Ready

1. Choose a suitable venue for riding.
2. Unfold the scooter in accordance with the description.
3. Adjust the handlebar to the appropriate height for yourself.

To Start

1. Press the power button to turn on the power
2. Stand one foot on the scooter and leave another foot on the ground.
3. Gently press down on the right thumb accelerator throttle, the scooter will immediately move forward slowly. Place the foot which is on the floor on the pedal after you feel stable. Gain more speed by pressing harder on the accelerator throttle.

To Brake

1. Under normal circumstances, by pressing the left thumb electronic magnetic brake throttle, the scooter will immediately de-energized and then brake. The harder you press the throttle, the greater the braking force will be.
2. For emergency, stamping on the rear foot brake can simultaneously achieve both the electronic magnetic front brake and rear wheel friction brake. Under normal circumstances, please do not use the emergency brake at high speed as it will wear out the rear wheel.

Battery and Charger



Each ZoomAir is equipped with a special lithium battery and smart charger and components inside each scooter have a dedicated number,

Please do not use the charger of other brands of scooters for ZoomAir even if they fit in the charging hole. If the battery or charger is damaged owing to these, we shall not be held responsible.

Battery

1. Before using the scooter for the first time, please charge the battery fully.
2. The battery can be charged at any time even when the battery is half-charged.
3. Please charge the battery at least once every three months to avoid naturally-occurring overdischarge of battery from happening.
4. The warranty does not cover any damage to the battery due to rain, collision or other non-defective circumstances.

Charger

1. We provide a dedicated smart charger which has a charging protection function. The charger will automatically stop charging when the battery is 100% charged
2. Full charging time is between 2-3 hours.

Charge Description

1. Open the charging hole rubber protective cover, plug the charger connector into the charging hole.
2. Connect the charger plug into the power socket
3. The battery is charging when the charger light is red and the charger light turns green when the battery is fully charged.

Maintenance

Lubricating

1. Please add a small amount of grease or lubricants to the handlebar folding position every six months
2. Please check the scooter after every 200km of riding whether the screws are loose, and tighten them if necessary.

Battery

1. The lithium battery provided can be recharged at least 500 times and the normal usage is more than 1,000 times. If the battery performance drops significantly to less than 10km for a full charge, please contact your dealer to diagnose the problem.

Placement and daily care

1. Do not exposure the scooter under the sun for too long or other serious damp places.
2. Please keep the scooter clean.

General Troubleshooting

1. Why doesn't my front brake works?

If your battery is full charged, the front electric brake will not work for a while as they are regenerative in nature and it is a protective mechanism not to overcharge the battery when it is already full. Just ride around for about 15-30s (while using the back brake) and the front brakes should work as per normal

2. Why does the battery indicator drop from 50% to 10% at a very fast rate?

Unfortunately due to the volatility in the voltage, the battery indicator is not very accurate. A more accurate to keep track how much range you have left in your charge would be through the trip metre itself.

3. My braking and acceleration throttle get stuck sometimes?

- The spring is worn out after prolonged usage, please contact your dealer to replace it.

If the scooter does not operate normally, check if the following work is completed or not

1. Turn on the battery
2. Check the battery via the display if there is power left in the battery.
3. Left thumb electronic brake and rear brake in place.
4. All jacks and connectors holes linked accurately.

If the scooter still does not operate normally after checking the above, please contact your local dealer.

Product Specifications

Specifications	Specifications	
	Overall Extended Size	940 x 1160 x 150mm
	Overall Folded Size	945 x 300 x 150mm
	Scooter Weight	10.7KG
Capability	Maximum load	100KG
	Top Speed	25km/h
	Slope Ability	15 degree slope
	Battery Life on Single Full Charge	25km for 6.5Ah 32km for 8.5Ah (dependent on road conditions, bodyweight, wind speed)
Battery parameters	Standard Voltage	24V
	Battery Type	Li-po Lithium Battery
	Battery Capacity	6.5Ah or 8.5Ah
Motor parameters	Motor type	Brushless DC Motor
	Rated Output Power	250W
	Maximum RPM	700r/min
	Rated voltage	24V
	Maximum output torque	13.3 N.m
Charger parameters	Output Voltage	220V, 4A
	Charging time	< 2 Hours

Servicing my ZoomAir

The ZoomAir is designed to be as maintenance free as possible. Obviously wheels and grips will wear over time, however should the scooter be making any unusual noise or behave differently while riding, please contact your local dealer or service agent.

Warranty

Your limited warranty is valid for 1 year from the delivery date.

Please visit www.zoom.sg/warranty to register your warranty and to review the full terms and conditions of our warranty.

ZoomAir Online Videos

For up-to-date videos, go online at www.zoom.sg/owners where you can see Zoom engineers demonstrate the following:

- How to fold and unfold the ZoomAir
- How to charge the ZoomAir
- Learning how to ride the ZoomAir