



**QUICK START GUIDE**

# INDEX

<i>KNOW YOUR SCOOTER</i>	_____	01
<i>ON THE ROAD</i>	_____	14
<i>CHARGING</i>	_____	31
<i>SCOOTER SHUTDOWN</i>	_____	37
<i>CARING FOR YOUR SCOOTER</i>	_____	39

**Ather 450X<sup>®</sup>** was crafted with obsessive attention to detail. It was designed from the ground up to make urban stop-and-go traffic more bearable. But before you get on the easy, comfy ride, here's everything you need to know.

This quick start guide will tell you all about the features and components of the Ather 450X, the Ather App<sup>™</sup>, the battery pack and the Ather Duo<sup>™</sup>.

This guide helps you get going, the moment you receive your Ather 450X keys.

*Disclaimer: All the Ather Connect<sup>™</sup> features on the app are available only with the Pro.*

# THE TWO BIG WORDS

---

**WARNING** indicates something that could hurt you or others.

The other one is **CAUTION**, it indicates something that could harm your scooter.



## **WARNING**

- **FIRST AND FOREMOST**

Read this thoroughly before your first ride. So many things are new. Once you understand all the controls and features, you'll be ready to hit the road.

- **MAINTENANCE IS A MUST**

Along with good ride handling skills, regular inspection and maintenance are essential for a great experience. Following these simple rules will make sure that your warranty stays intact.

- **NO TINKERING**

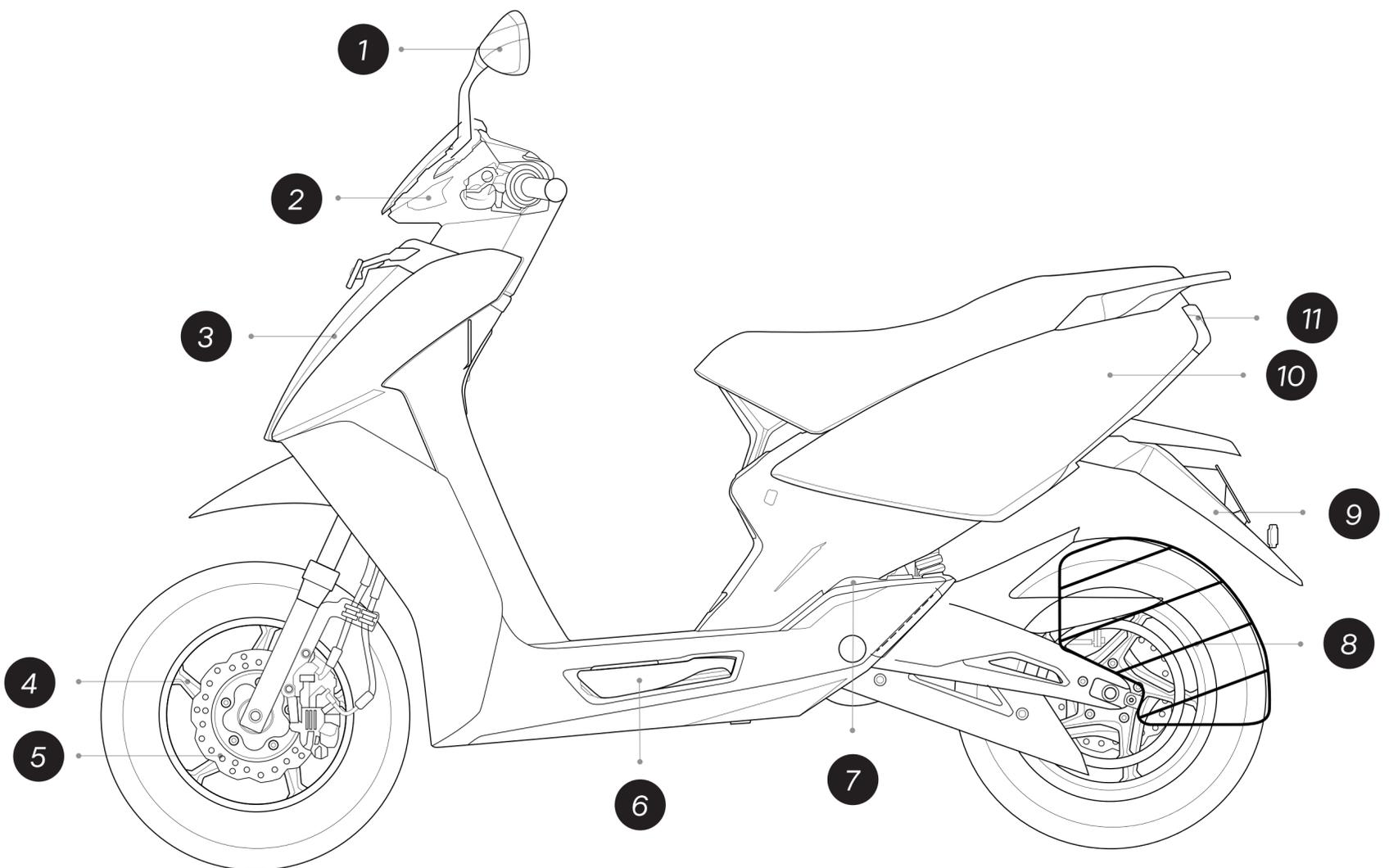
We know you wouldn't mess around with the high voltage components like the battery pack, motor etc. Still we need to put on paper that they should be serviced only by Ather technicians.

1

*KNOW  
YOUR  
ATHER  
CLOSELY*

# LEFT SIDE VIEW

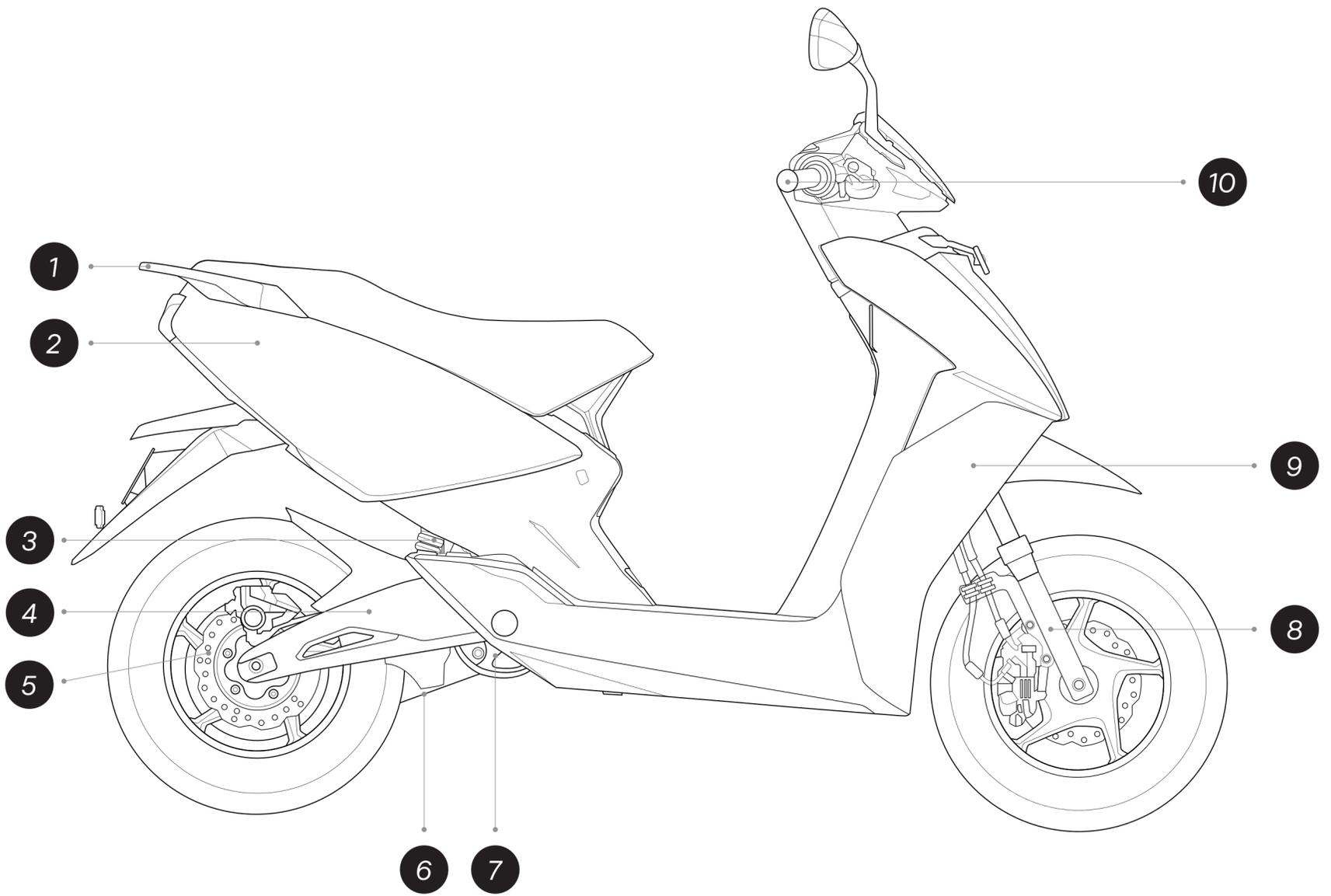
---



- 
- |   |                            |    |                                |
|---|----------------------------|----|--------------------------------|
| 1 | Rear view mirror           | 7  | Pillion footrest               |
| 2 | Integrated indicator lamps | 8  | Saree guard                    |
| 3 | Head lamp                  | 9  | Rear fender number plate mount |
| 4 | Alloy wheels               | 10 | Rear side panel                |
| 5 | Front disc brake           | 11 | Tail and indicator lamps       |
| 6 | Side stand with sensor     |    |                                |

# RIGHT SIDE VIEW

---

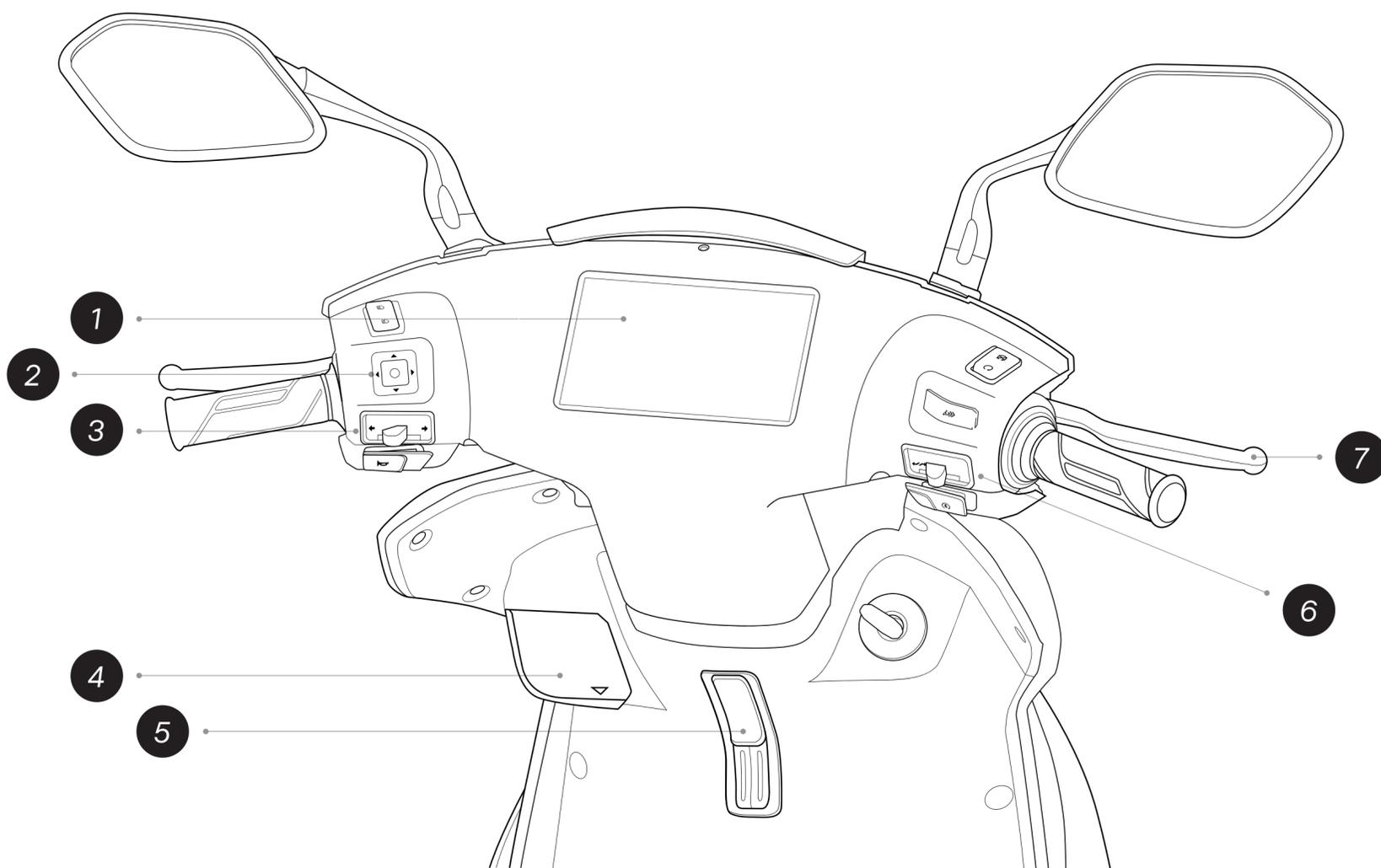


- 1 Pillion grabrail
- 2 Rear side panel
- 3 Rear suspension
- 4 Swing arm
- 5 Rear disc brake

- 6 Drive belt
- 7 Pulley
- 8 Front fork suspension
- 9 Floating panel
- 10 Accelerator grip

# DASHBOARD AND SWITCHGEAR

---

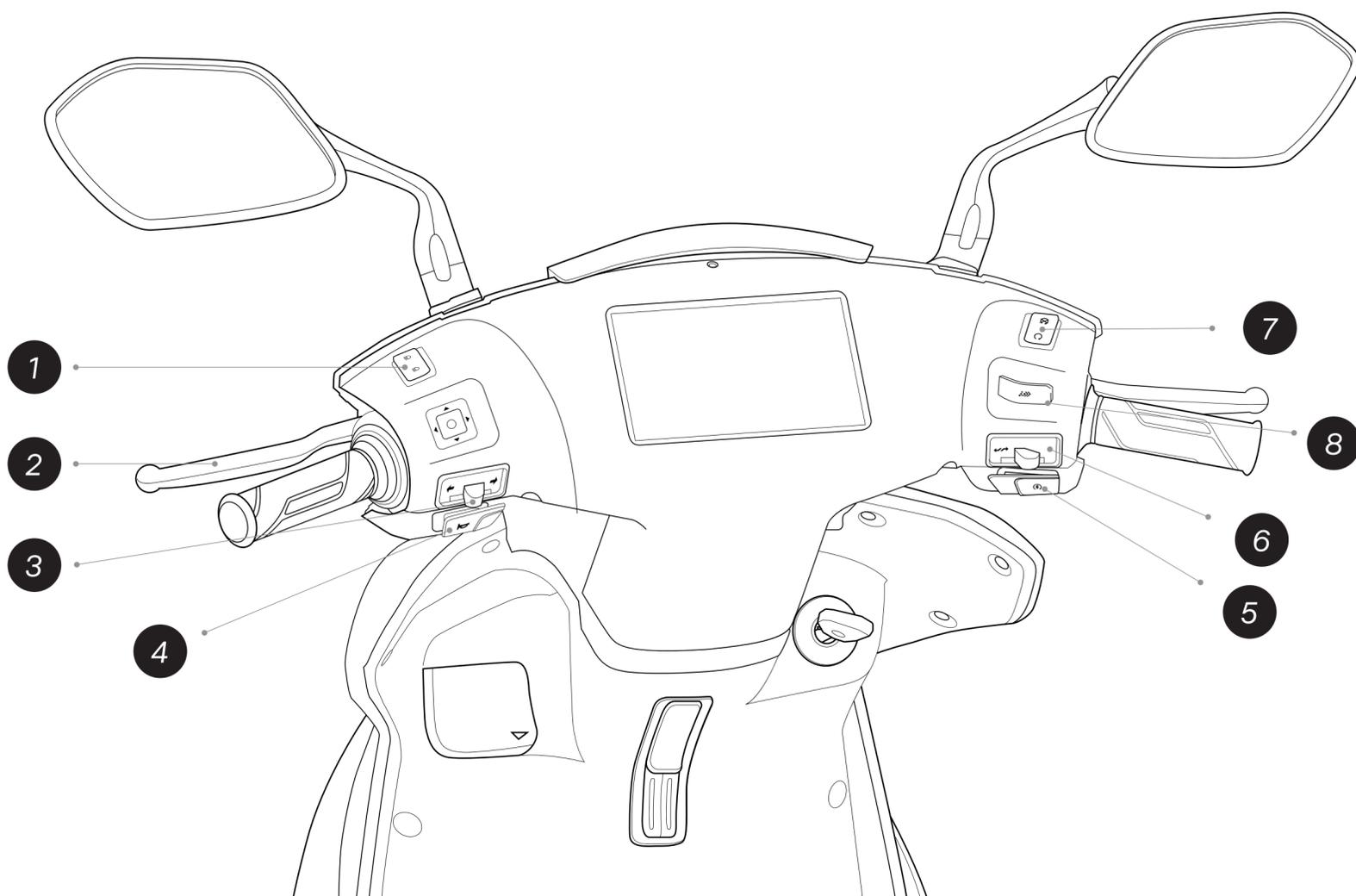


- 1 Touchscreen dashboard
- 2 Joystick
- 3 LHS grip and switchgear
- 4 Charging port
- 5 Luggage hook

- 6 RHS grip/accelerator and switchgear
- 7 Front brake lever

# DASHBOARD AND SWITCHGEAR

---



- 
- |   |                                |   |                    |
|---|--------------------------------|---|--------------------|
| 1 | Headlight high/low beam switch | 6 | Mode change switch |
| 2 | Combined braking system        | 7 | Motor kill switch  |
| 3 | Turning indicator              | 8 | Park Assist™       |
| 4 | Horn                           |   |                    |
| 5 | Motor starter                  |   |                    |

*Disclaimer: Riding modes available only with Pro.*

# SWITCHGEAR: LEFT-HAND SIDE

---

## HORN

Press this switch when you need to sound the horn.

## TURNING INDICATOR

Toggle this switch left/right to turn ON the indicator lights. They turn OFF automatically once the turn is complete. Press the center to turn OFF the indicator manually.

## HIGH BEAM SWITCH

This switch turns on the high beam headlight. Avoid using this by default for the convenience of others on the road.

## COMBINED BRAKING SYSTEM

The lever on the left-hand side activates the Combined Braking System that applies brakes to both the wheels.

*Disclaimer: Auto turn indicator is only available with Pro.*

# JOYSTICK

Use the joystick to navigate through Bluetooth controls, charging controls, ride and feature settings.

*Disclaimer: Some Bluetooth, ride and feature settings are available only with Pro.*

# **SWITCHGEAR: RIGHT-HAND SIDE**

---

## **MOTOR STARTER**

Turns the motor ON, and kickstarts the scooter. It also changes directions when using Park Assist™.

## **TOGGLE SWITCH**

Switches between riding modes displayed on the screen with a left/right toggle, when the key is ON. Changes the mode while riding as well. To do so, the throttle has to be at zero state.

## **KILL SWITCH**

Disables the motor controller to help you be extra sure that the motor is OFF when you need to halt.

## **ACCELERATOR GRIP/MAGIC TWIST™**

Controls the acceleration and speed of the scooter. It is that simple. Twist the throttle in forward direction to accelerate and twist backward to slow down. The deceleration is strong enough to bring the vehicle to a complete halt.

## **FRONT BRAKE LEVER**

Actuates the front brake to control the speed of the scooter.

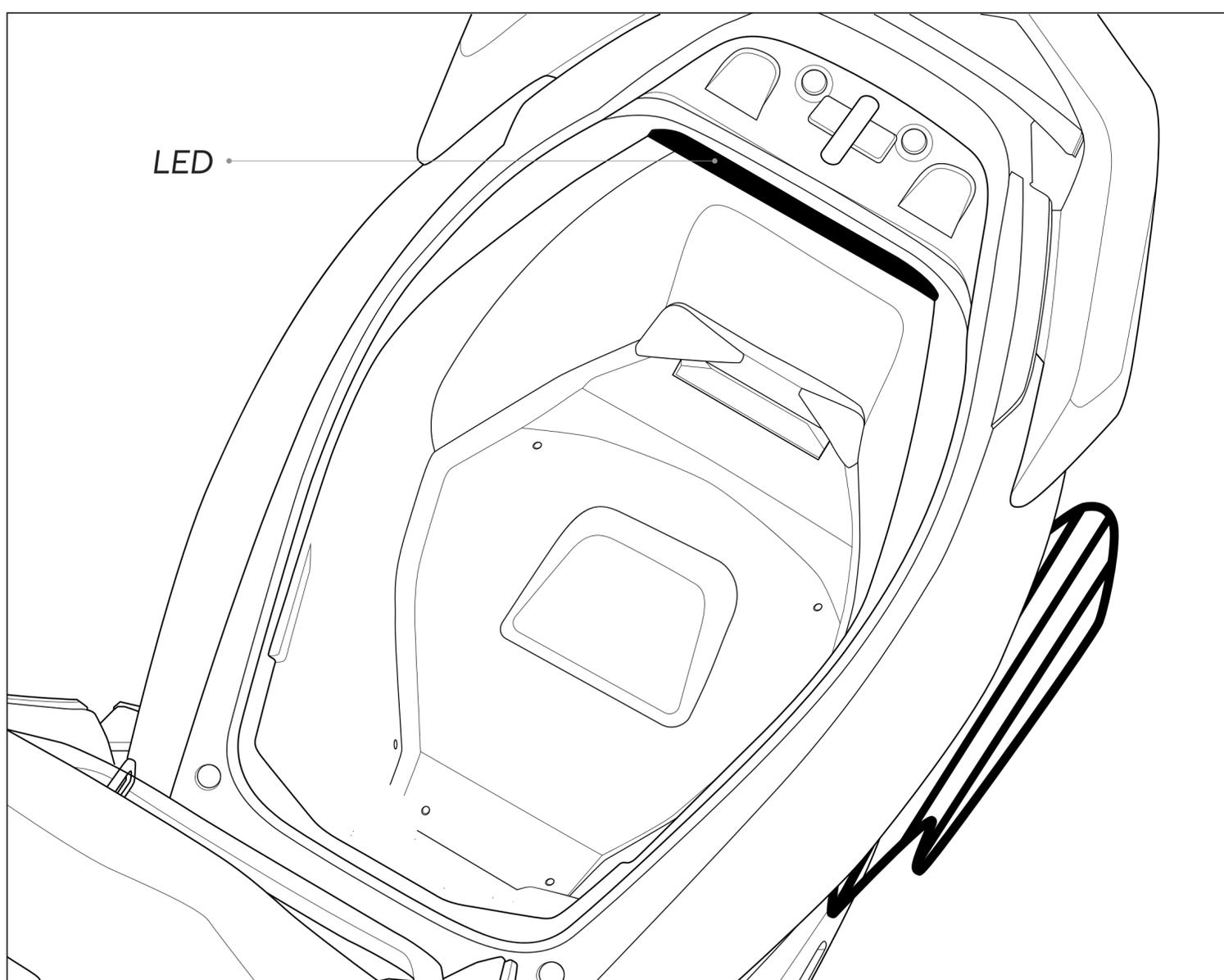
## **PARK ASSIST™ SWITCH**

Engages Park Assist™ mode when stationary.

*Disclaimer: Bluetooth controls are available only with Pro.*

## UNDER-SEAT STORAGE

Smartly designed to accommodate a full-sized helmet, it also has an LED strip lamp so that finding things in poorly lit parking spaces is easier. Carry up to 15 kg and a volume of 22L.

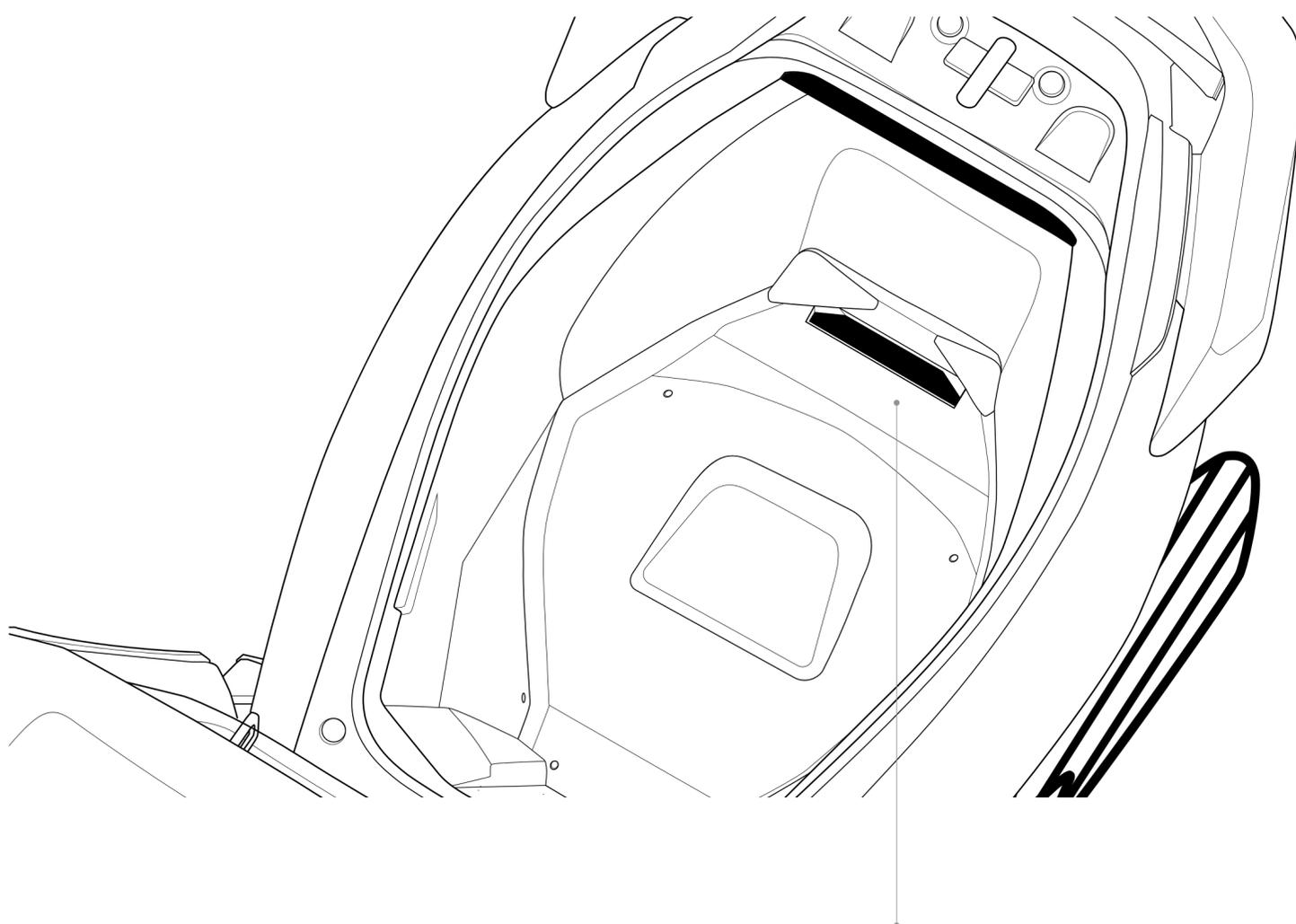


## CAUTION

Do not overfill the under-seat storage. A simple check: the seat should close effortlessly when you drop it down. If you need to press it down, it's over-packed and there is a high possibility that it gets damaged.

## CAUTION

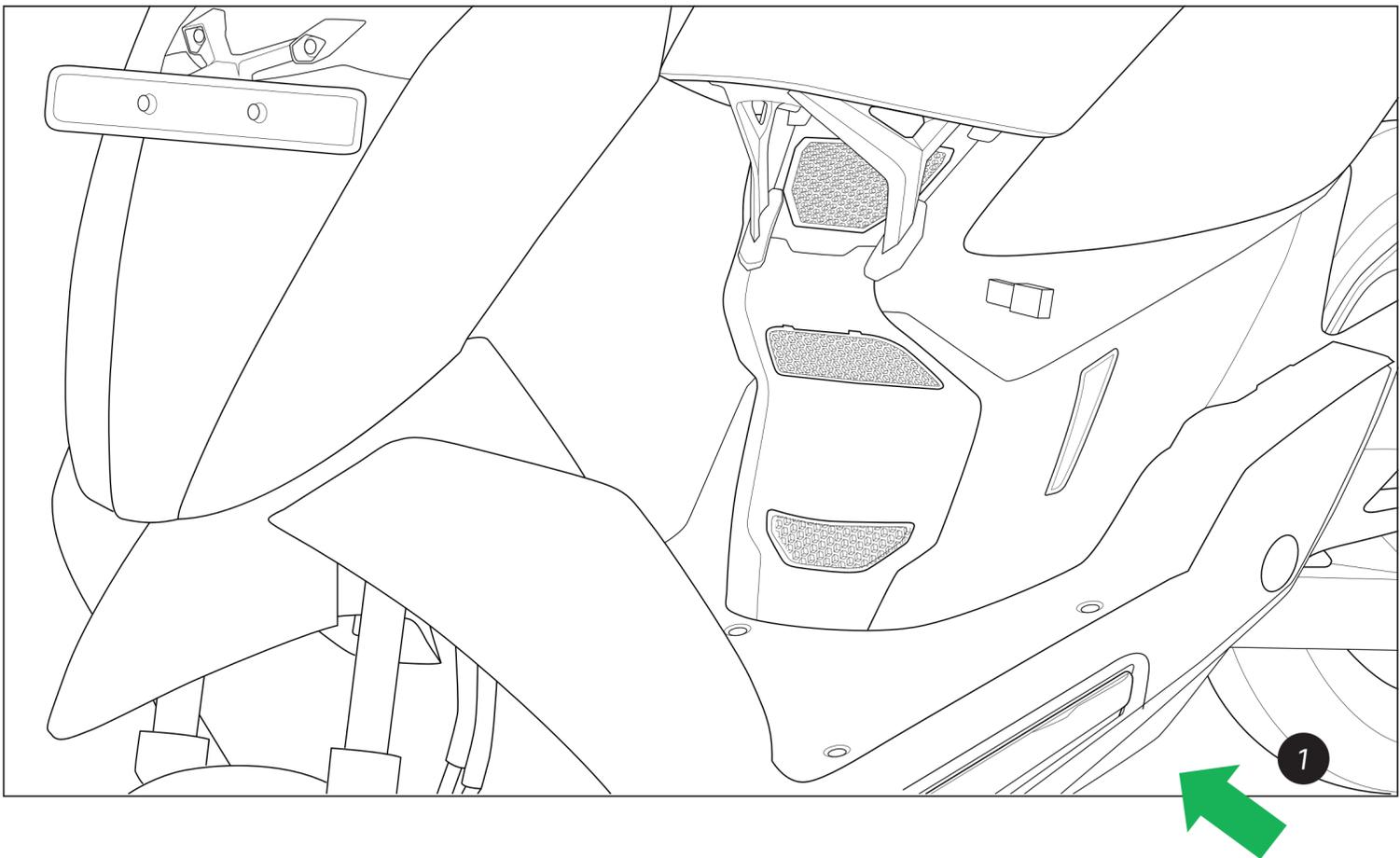
The storage box is built to be rain-proof. But water can seep through if a pressure jet wash is used to clean the scooter. Remember to empty the under-seat storage before washing. Always store the portable charger in its cover to protect it from water leaks.



## SCOOTER IDENTIFICATION NUMBER (VIN) / CHASSIS NUMBER

Each scooter has a unique VIN. On the Ather 450X, it is engraved on the chassis. Remove the rubber grommet in the under-seat storage to access it.

It's a 17 digit number in this format: MYH  
XXXXXXXXXXXXXXXXX



## MOTOR SERIAL NUMBER

Can be spotted at the bottom of the scooter, on the motor itself.

## KEY CODE NUMBER

Mentioned on the key.

## SOFTWARE VERSION NUMBER

Swipe down on the dashboard for the quick access screen. Press the gear icon > go to 'Settings'. Tap on the profile section to find 'Software Version'.

# ATHER APP™

---

## APP INSTALLATION

- Download the Ather App™ from the Google Play Store or Apple App Store.
- Use the login credentials of your Ather portal account to login to the app.
- The app syncs with the scooter only when both your phone and the scooter have good network coverage. The app displays the time when they were last synced.

## FAST CHARGING AT ATHER GRID™

To locate an Ather Grid™ public fast charging point, go to the app or navigation screen.

*Disclaimer: All Ather Connect™ features on the app are available only with Pro.*

2

*TIME TO  
GET ON  
THE ROAD*

# JUST BEFORE YOU GET ON THE SCOOTER

---

## THE CHECKLIST

- Tyre pressure & condition
- Drive belt (No slacking)
- Charge status
- Peripherals: Horn, headlights, pilot lamps, indicators and tail lights
- Screen intactness
- Rear view mirror position
- Smooth functioning of the handlebar (twist & turn to check if it is normal)
- Perfectly working brakes

## RECOMMENDED TYRE PRESSURE

- **Solo rider:**  
30 PSI front & 28 PSI back
- **With a pillion:**  
30 PSI front & 32 PSI back

# THINGS TO KEEP IN MIND

---

## STRONG AND SILENT MOTOR

So silent, you won't even realise it's running. Keep an eye on the dashboard for the motor OFF/ON indicator. Use the kill switch whenever at signals to avoid accidents from any unintended acceleration.

## SUPER RESPONSIVE BRAKES

Both the wheels have pretty responsive disc brakes. So press the brakes gently, until you get used to them.

## HYPER QUICK MOTOR

Electric motors have a higher torque, which means the acceleration will be quick and sudden. Take it easy on the accelerator till you get a hang of it.

## GOOD (AND NEW) THINGS TAKE TIME

Park Assist™ is something new. The speed while going forward is 5 km/h and 3 km/h in reverse. It's just better to be extra careful to make sure that nobody gets hurt.

# SAFETY AND OPERATING INSTRUCTIONS

---

*As a precaution, wear appropriate safety gear while riding: a helmet that conforms to prescribed standards, eye protection gear, riding boots and gloves.*

*Do not consume alcohol or drugs that affect your reflexes, before or while you are riding.*

*Do not overload the floorboard. It can handle up to 30 kg of weight. We recommend that you distribute the weight evenly for better ride handling.*

*If you have been riding in the rain, wait for 15 minutes before plugging in the scooter. Wipe off the water on the port using a soft, dry cloth.*

*Never allow others to ride without proper instructions and licences as per applicable state laws.*

*We strongly advise against any alteration or modification, as they may cause safety hazards.*

# PRECAUTIONS FOR A SAFE ELECTRIC RIDE

---

*In case of an accident, do not touch wiring connectors or the wired components.*

*In the highly unlikely event of a battery fire, extinguish the flame by flooding it with a lot of water. A water hose should be used, and the person doing this must be at least a couple of metres away from the scooter. Make sure the scooter is unplugged from the charging point. If it isn't, switch OFF the main power supply immediately to cut off the electricity flow.*

*Once the fire is extinguished, keep flooding the battery with water every 30 minutes, for up to 2 hours. Check on it at regular intervals for a few hours to be extra sure that the fire doesn't reignite.*

## CAUTION

Never lift the scooter by pulling the handlebar.

## WARNING

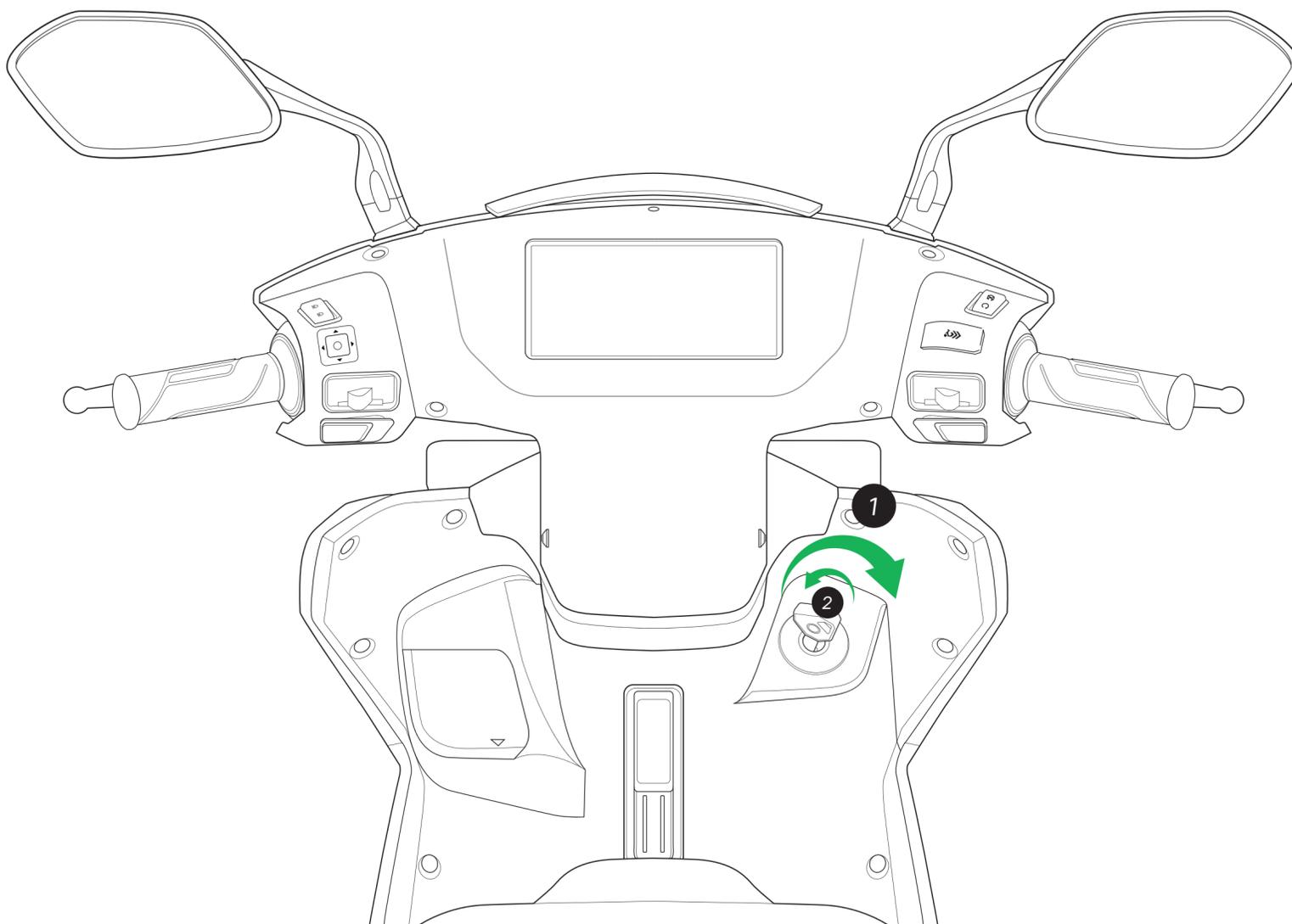
In case of fire, please call customer support to let us know and we will provide any assistance required.



*A high voltage electronic device*

# TURNING THE SCOOTER ON AND RIDING

---



---

## 1 UNLOCK THE HANDLEBAR

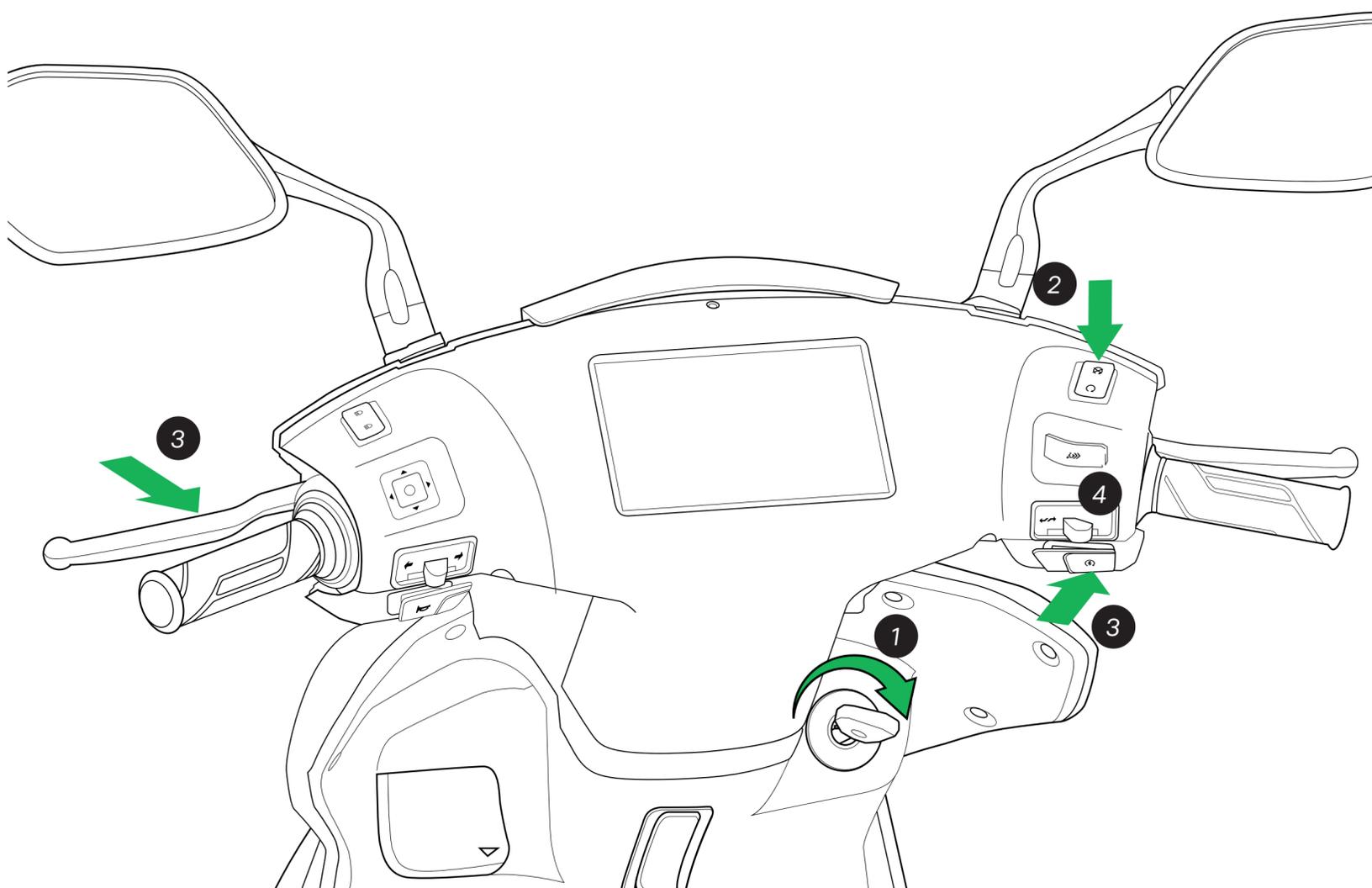
Insert the key in the keyhole located under the handlebar, on the right-hand side. Turn the key clockwise, and it's unlocked.

## ② OPEN THE UNDER-SEAT STORAGE

Once the handlebar is unlocked, turn the key anti-clockwise to open the underseat storage. Take your helmet out, wear it, simply drop the seat to lock it. Check the seat lock once, just to be doubly sure. Now you are all set for the ride!

# TURNING THE SCOOTER ON AND RIDING

---



---

## WARNING

The scooter makes no significant sound when the motor is ON.

### 1 SWITCH ON THE DISPLAY

Once the key is turned ON, it will activate the

*Disclaimer: Range display and riding modes on the dashboard are only available with Pro.*

*dashboard, showing the current time, available range and riding modes.*

## **2 DISENGAGE KILL SWITCH**

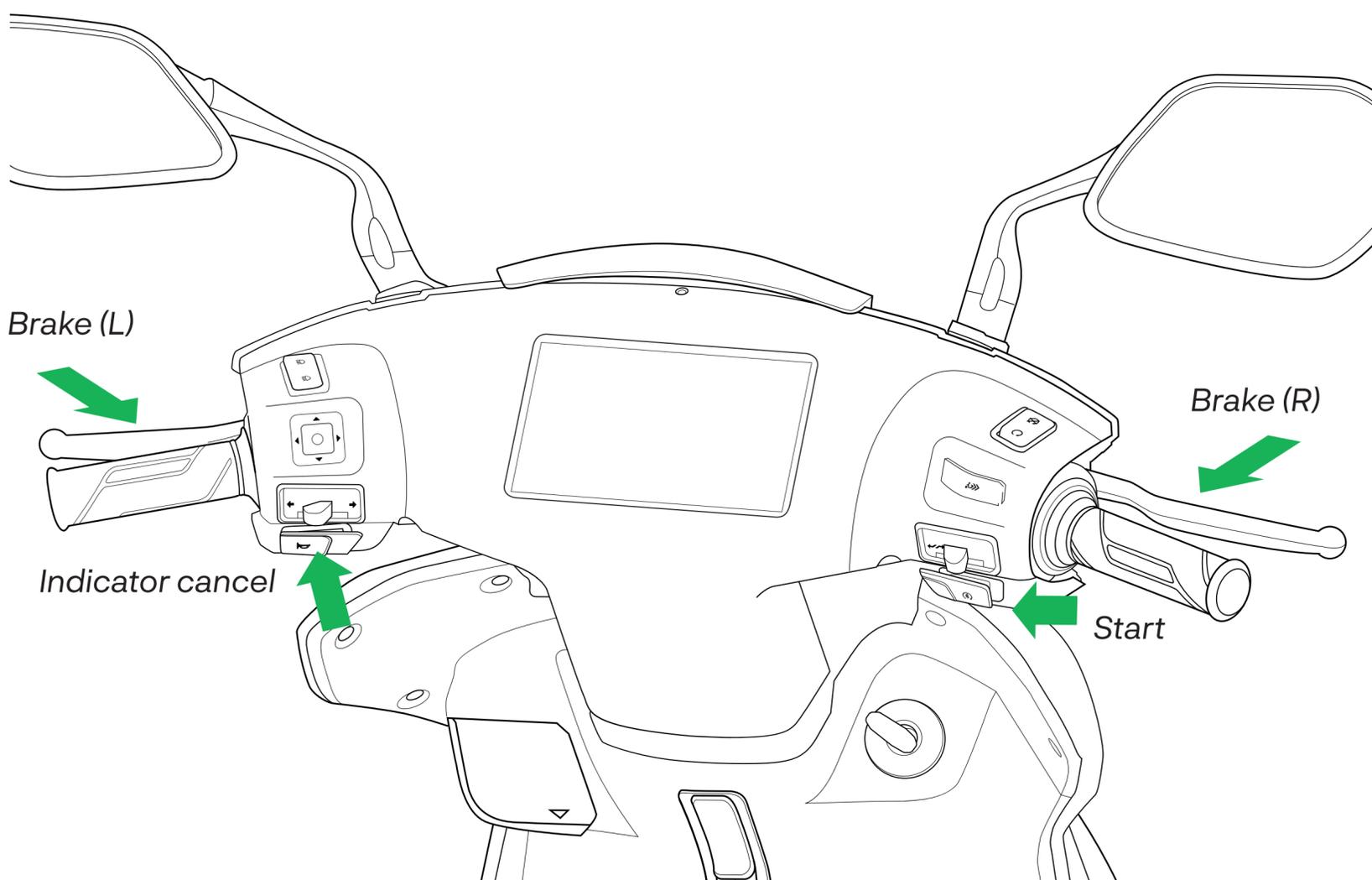
*If the kill switch is engaged, the motor will not switch ON.*

## **3 ACTIVATE THE MOTOR**

*Press the brake lever (either one) and the motor start switch ON the right-hand side of the handlebar to make the riding screen appear.*

## **4 TOGGLE TO CHANGE RIDING MODE**

*Switch between Ride, Eco, Sport and Warp.*



---

## 1 PARK ASSIST™

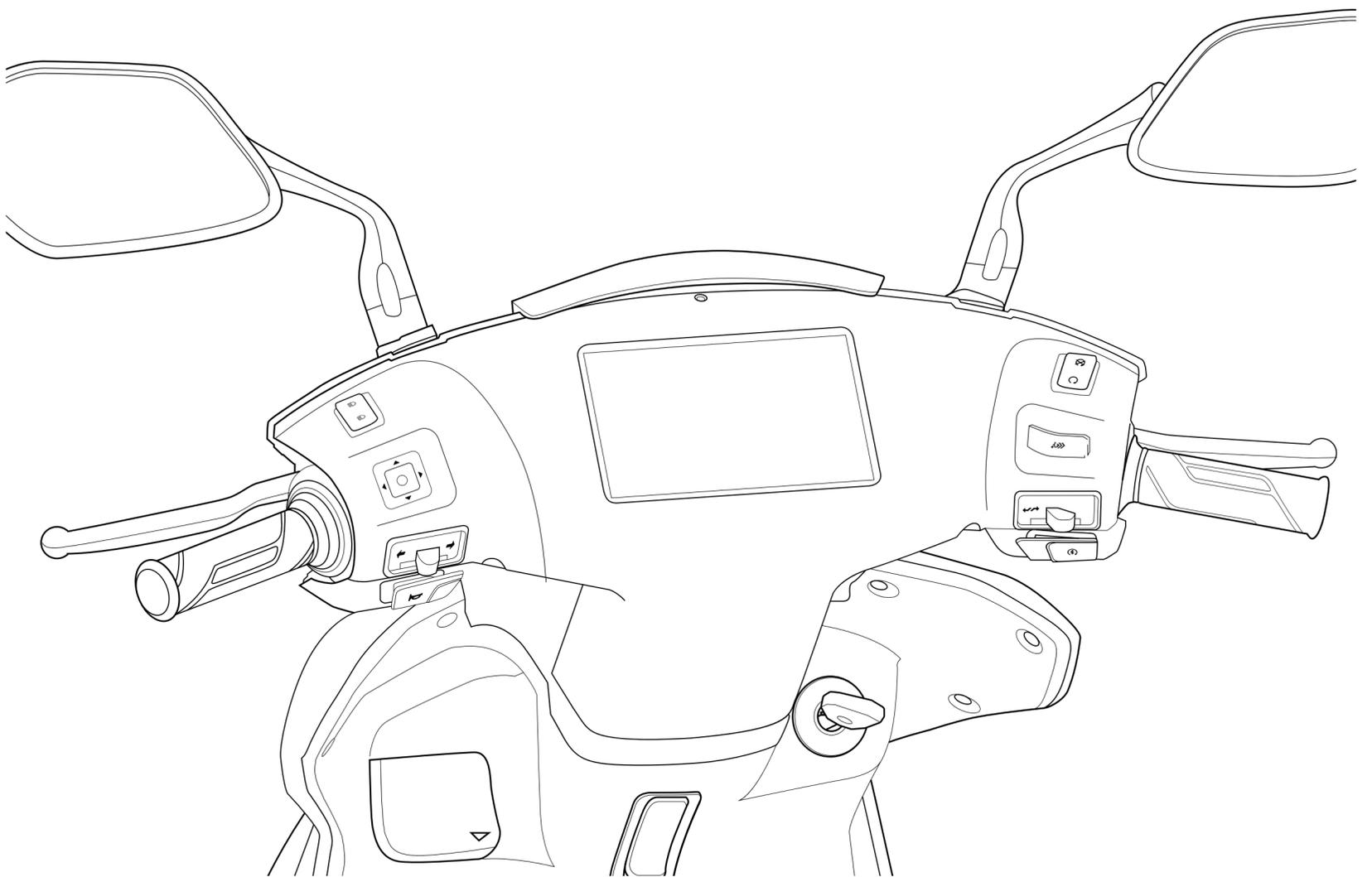
To move in reverse press the Park Assist™ button when stationary. Slowly twist the throttle (RHS handlebar) to start moving backwards. To move forward in Park Assist™, press the “Activate motor” button before twisting the throttle.

### **WARNING**

Kick back the side stand, before you start riding. For your safety, the motor gets activated only when the side stand is disengaged.

# TURNING THE SCOOTER ON AND RIDING

---



---

## MAINTAINING SPEED

Twist the accelerator throttle and use the brakes to maintain speed. Avoid using both the accelerator and the brake at the same time.

## SLOWING DOWN AND BRAKING

Bring the throttle back to zero. Either use the

*Combined Braking System or apply both brakes simultaneously to bring the scooter to a halt. Use the kill switch to turn the motor OFF, in case you plan to stop for some time.*

## **CAUTION**

*In wet weather, it takes longer to slow down or come to a halt. Start braking a little earlier than you would normally, especially when going around corners and turning.*

## **WARNING**

*Any unintended acceleration could injure you or others on the road. Use the motor kill switch at any traffic stop.*

## MAGIC TWIST™

Magic Twist™ gives you more control over braking, letting you slow down by twisting the throttle in the opposite direction. It is powered by our algorithm that provides significant braking force at all charge levels, enough to bring the vehicle to a complete halt.

## HOW TO ACTIVATE IT?

It can be turned on via the dashboard settings. Once turned on, the status is visible above the Wings of Power. Customise by choosing between off, low and high settings depending on your usage.

## MAGIC TWIST™ DISABLED

If the motor temperature rises above normal, Magic Twist™ may not get activated. There will be an icon indicating the same above the Wings of Power. Once the motor cools down, it will work as intended.

## CAUTION

To avoid skids, do not use the rear brakes and Magic Twist™ simultaneously. Magic Twist™ is not a replacement for braking. In emergencies, only use manual brakes.

# MULTI-MODE TRACTION CONTROL

---

Ather 450 comes with Multi-Mode Traction Control. It prevents your scooter from slipping while accelerating on wet, uneven and sandy roads. Basically, any surface that makes the rear wheel more prone to slipping. It kicks in whenever you accelerate across such terrain, and ensures that you stay on track while performance doesn't take a significant hit.

Whenever Traction Control is activated, the power that the motor delivers to the rear wheel is adjusted to prevent slipping. After the scooter regains traction, the power delivery is ramped up. There are 3 Traction Control modes:

- **Rain** prioritises safety. Ideal for wet roads. The power cut-off is the highest, and the power ramp-up is linear.
- **Road** is a good balance between safety and performance. Ideal for daily commutes, and on by default. Both the power cut-off and ramp-up is balanced.
- **Rally** prioritises performance. Ideal for pros, on dirt roads. The power cut-off is minimal, while the power ramp-up is instantaneous.

## HOW TO DEACTIVATE AND CHANGE MODES

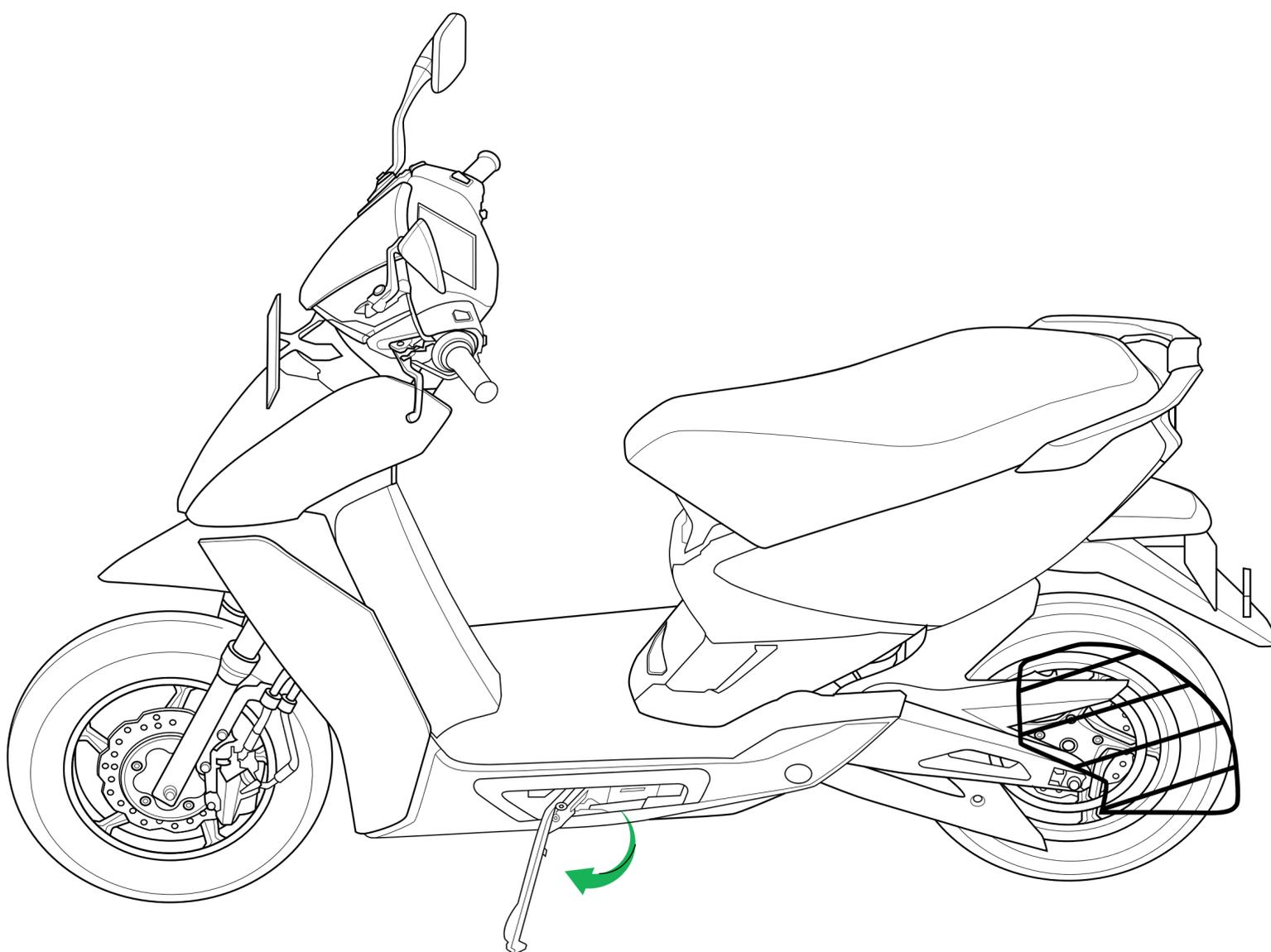
Traction Control is on Road mode by default. You can change the mode or turn it off by accessing the Traction Control menu in the dashboard settings. Make sure you're halted and not obstructing traffic while doing so.

Once it is on, you'll see this [x] icon on the dashboard. If there are any errors, you'll see this one [x].

You can go to the Quick Access menu using the toggle on the left side for a quick look at what mode you're on, and to switch between modes.

# TURNING THE SCOOTER OFF AND PARKING

---



---

## STOPPING YOUR SCOOTER

Bring the accelerator throttle back to zero. Use the kill switch to turn OFF the motor. Turn the key back to the LOCK position and remove it.

If Guide-me-home Light is ON, the headlight will switch OFF automatically in ~15 seconds.

*Disclaimer: Guide-me-home Light is only available with Pro.*

## CAUTION

The key should be removed anytime the scooter is left unattended. You don't want somebody stealing it.

## PARKING

Use your left foot to disengage the side stand. Always engage the side stand when you've to park. Also, always try to park on level and firm ground.

## CAUTION

Park under shade wherever possible. Continuous, long-term exposure to sunlight could cause discolouration of the screen. Lesser exposure to heat is good for battery life and display health.

## WARNING

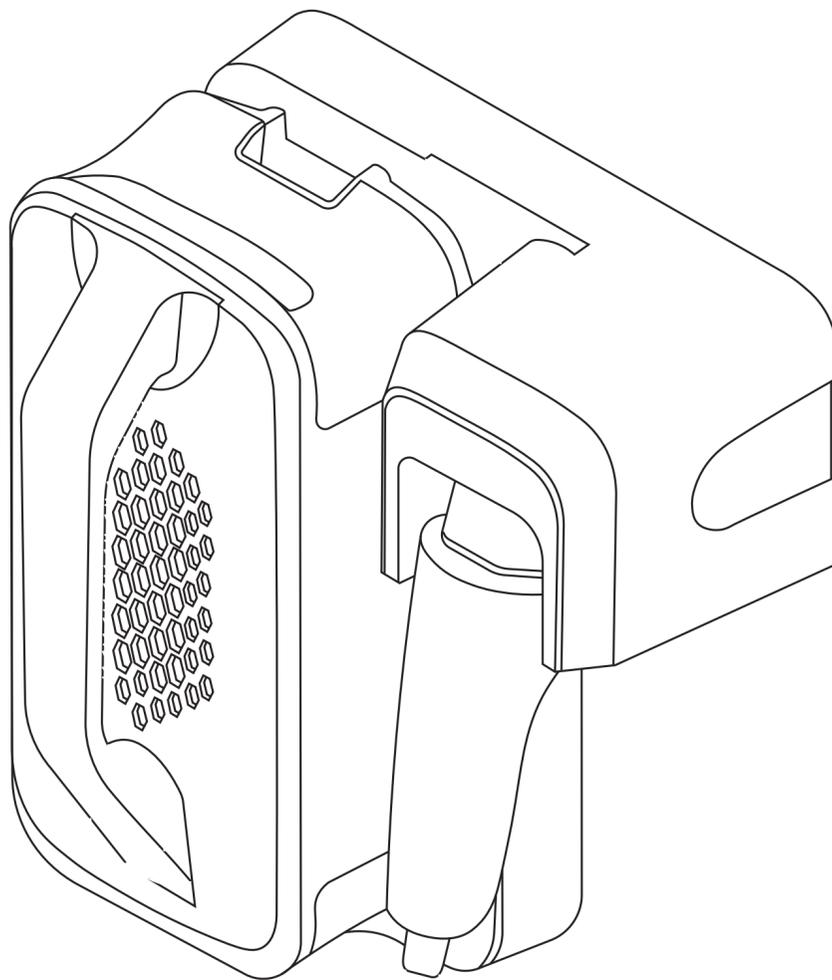
- Always use the kill switch if the side stand is engaged.
- Do not sit on the scooter when parked on the side stand.
- Do not move the scooter with the side stand engaged.
- Always ensure the side stand is completely opened up while parking.

3

*CHARGE  
IT UP*

# USING THE ATHER DUO™

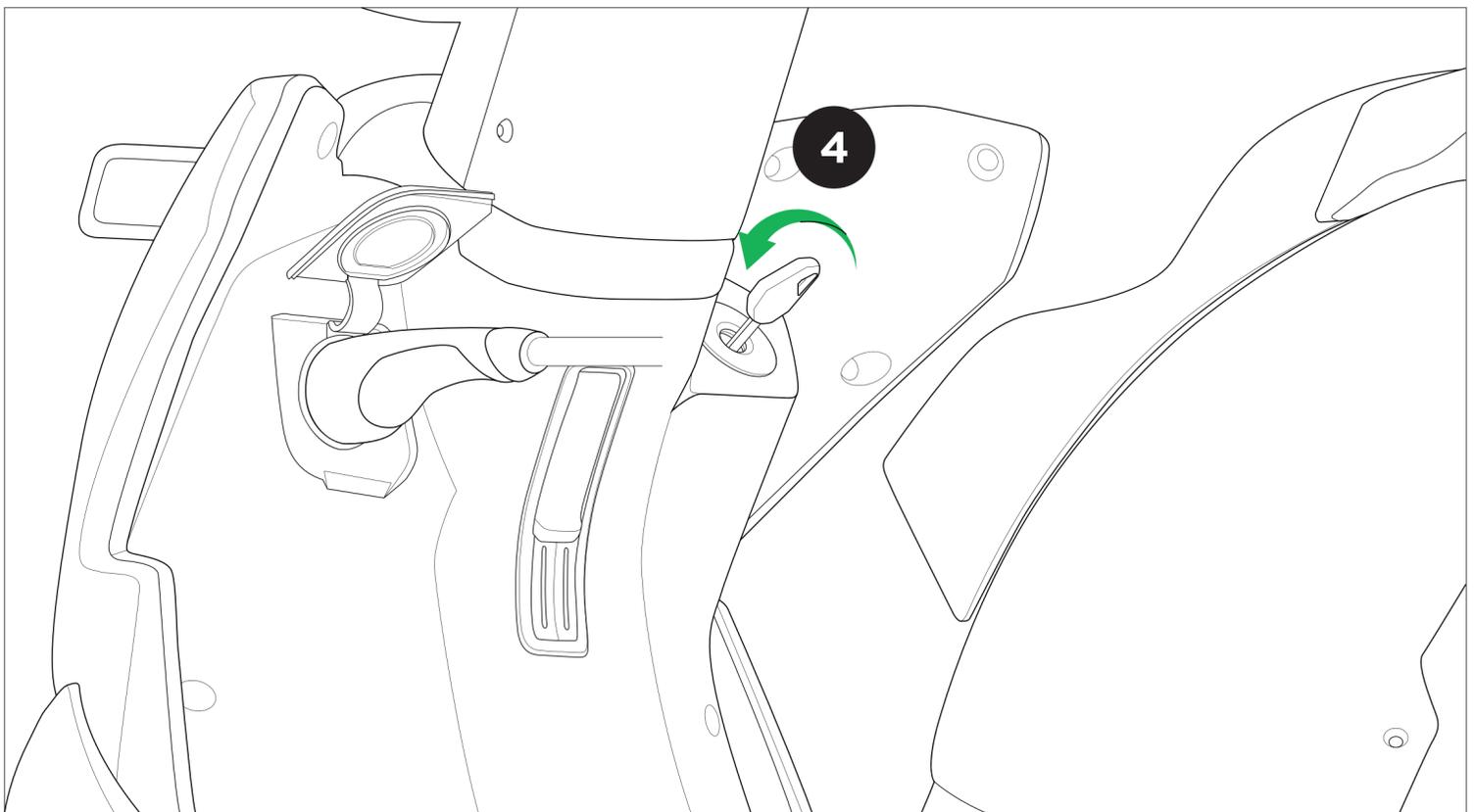
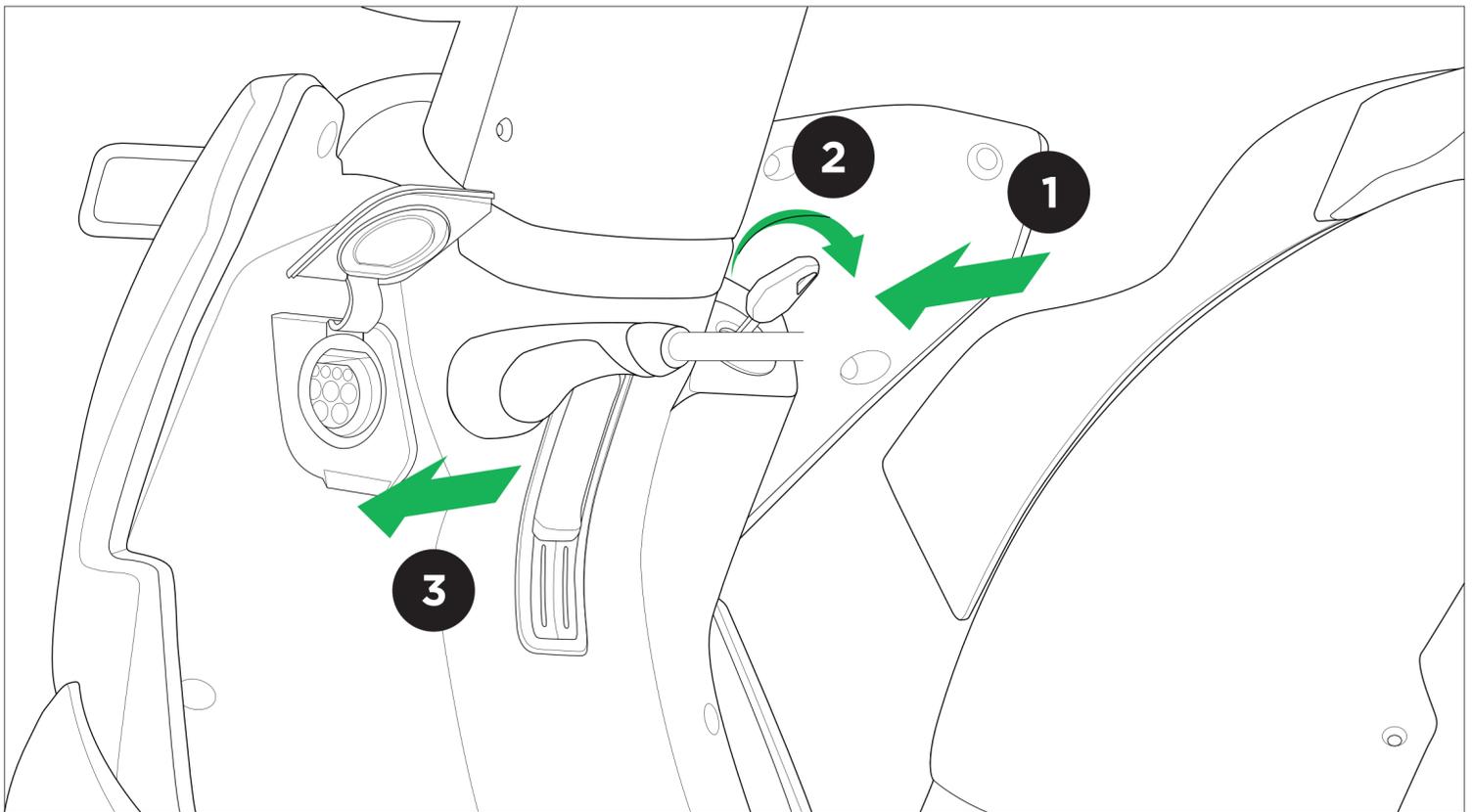
---



---

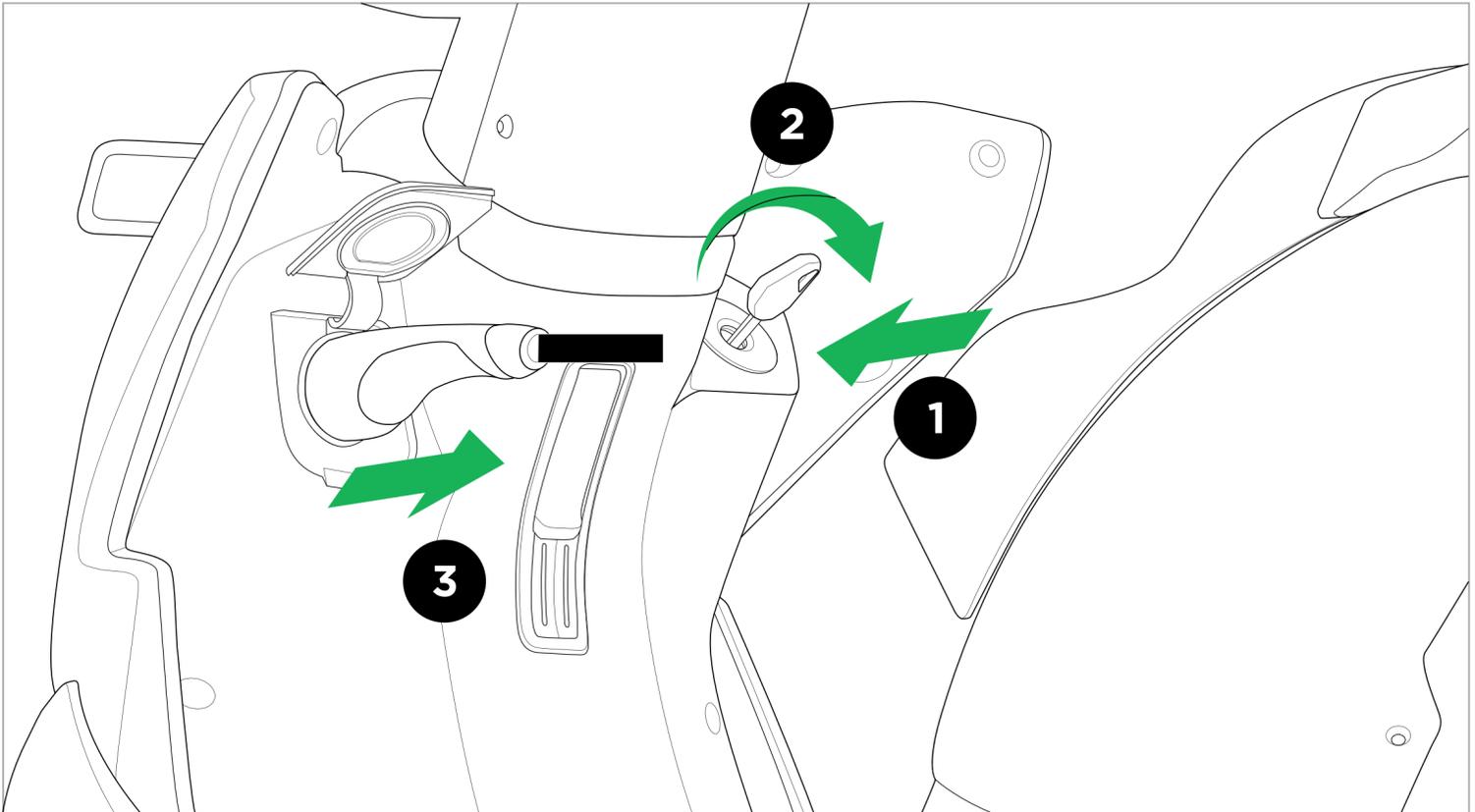
## PLUGGING IT IN

- 1 Plug in the 3-pin connector of the charging cable into a 5A socket.
- 2 Open the charging port flap on your scooter, take the connector and plug it into your scooter's charging port.



**3** Make sure the charger vents should are never blocked, for proper airflow.

**4** Turn the key OFF to start charging. The LED on the charger will start blinking, the moment charging starts.



## UNPLUGGING IT

- 1 Before you pull out the cable, turn the key to the ON position to unlock the connector.
- 2 Keep the key in the ON position and wait for 5 seconds.
- 3 Remove the charging connector. Remember to close the charging port flap on the scooter.

## CAUTION

Do not try to pull the connector out forcefully. If the connector feels stuck, follow these steps:

- Turn the key OFF and back ON again.
- Gently PUSH the connector in and then try to PULL it out again. It should come out effortlessly.

Remove the key once your scooter is connected to the charger or disconnected from the charging cable.

Do not turn the key ON and pull out the connector at the same time. Wait for 5 seconds before you pull the connector out.

Do not remove the connector while your scooter is charging. You run the risk of damaging the connector and/or the scooter.

## WHAT DOES THE LED SAY?

The charger tells you what it's up to, with an LED light that changes colours.

---

 **Solid amber light:** Charger software is being updated over the air.

---

 **Solid green light:** When not connected to the scooter, the charger is functional. When connected to the scooter, charging is complete.

 **Blinking green light:** Charging in progress.

---

 **Solid red light:** Fault in the charger. Please contact customer support.

---

**No light:** No power.

---

4

# SCOOTER SHUTDOWN

# VEHICLE SHUTDOWN

---

## HIBERNATION

When the scooter is not in use (unplugged, with the key turned OFF), the electronics consume negligible power. The battery drains extremely slowly. But, if you don't ride for around 25 days, you should charge for a few hours before you head out.

## HOW TO SHUT DOWN

By heading to the settings section on the dashboard.

## CAUTION

Charge your scooter every 100 days. It's a must, even if the scooter is in Shutdown Mode. This prevents permanent damage to the battery pack.

**5**

*CARING  
FOR YOUR  
SCOOTER*

# THINGS TO KEEP IN MIND

---

## WHEN NOT IN USE

If you are not using your scooter for more than 5 days, leave it in Shutdown Mode to prevent battery drain.

## QUICK CLEAN-UP

Regularly cleaning the vents avoids the risk of damage caused due to insufficient ventilation, choking and insulation of the heat dissipation components. Keep the motor and battery vents spic and span.

## EXTEND YOUR BATTERY LIFE

- Use of Optimised Charging feature is recommended. It helps control battery ageing.
- Always use the original charger provided by Ather to charge your vehicle. Avoid using 3rd party chargers.
- Shut down (vacation mode) the vehicle when it remains idle for a few days, to prevent accidental battery draining.

*Disclaimer: Optimised Charging available only with Pro.*

## PULLING AND PUSHING

Turn the motor OFF using the kill switch when pulling the scooter back or pushing the scooter on a decline.

### CAUTION

Do not try to hold the scooter at a place using partial acceleration, while on a slope. In all likelihood, it will damage the motor.

# TROUBLESHOOTING

---

*If you're facing a technical issue, have any doubts or queries, please call us up.*

**+91 7676 811 777**

*In case this number is unreachable, please check for the updated number on [atherenergy.com](http://atherenergy.com) or the Ather app.*

## CAUTION

*Do not attempt to service the scooter on your own or at an unauthorised service centre. Sure, the scooter belongs to you and you may do as you please. But we know it inside out, and it's not as easy as it may seem. Let us take the lead and service the scooter for you.*

## DISCLAIMER

*Ather Energy Limited (Formerly known as Ather Energy Private Limited) takes reasonable care to ensure the accuracy of the information contained herein, but it shall not be responsible for any inadvertent errors or omissions that may appear in*

*this document. All trademarks are the property of their respective owners.*

*The use of Ather 450X electric scooter ("Ather 450X") shall be governed by the terms and conditions of the agreement entered between you and Ather during purchase ("Agreement"). Ather makes no warranties of merchantability and/or fitness for a particular purpose, in relation to the accuracy, reliability or contents of this document. You acknowledge that any usage of Ather 450X in contravention with this document may render the warranty void. Ather reserves the right to update this document and/or discontinue Ather 450X at any time without notice. Specifications/features are subject to change without notice.*

**ATHER**