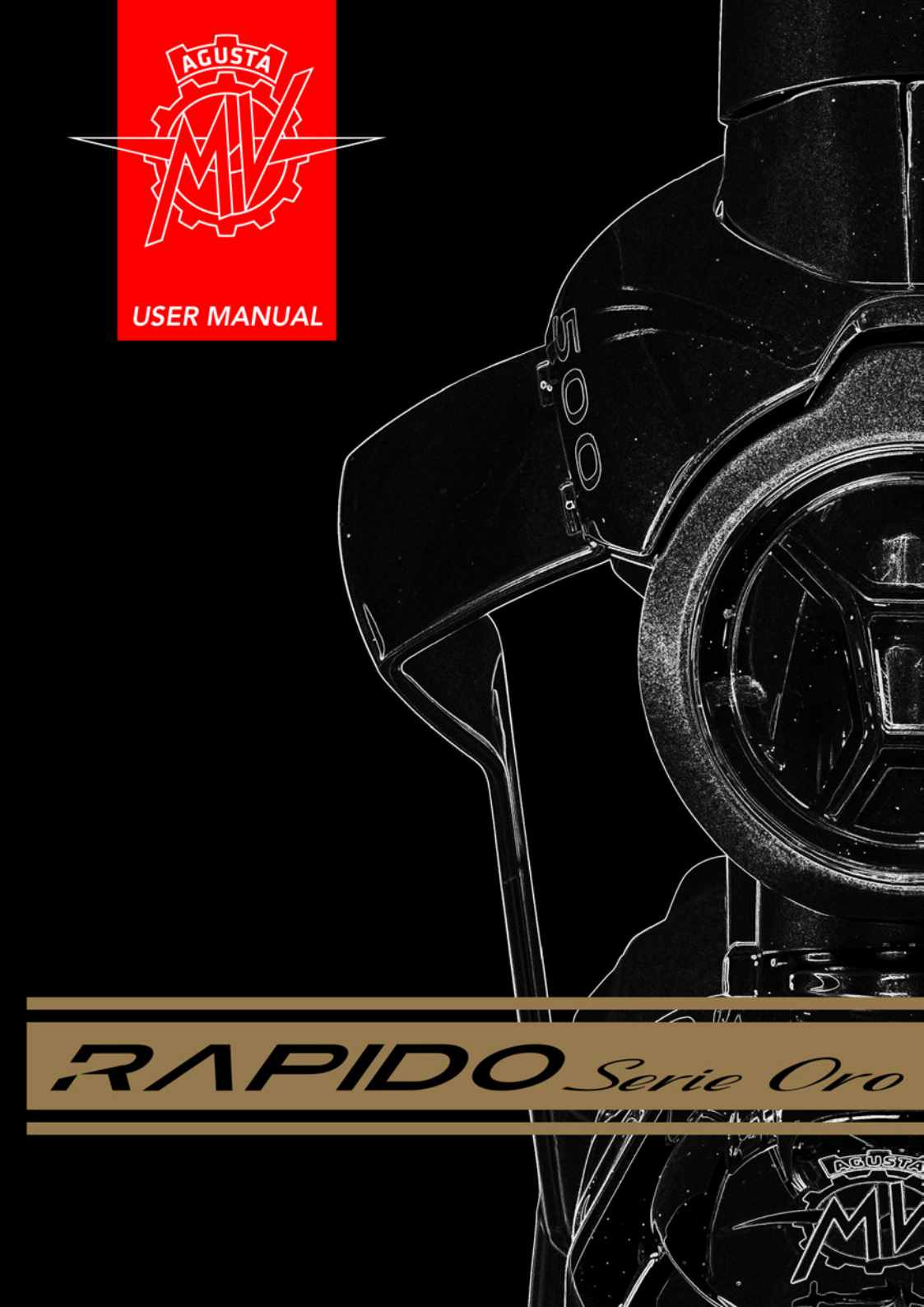

AGUSTA
USER MANUAL
RAPIDO Serie Oro

WELCOME TO USER

Thank you for choosing RAPIDO electric scooter (hereinafter referred to as electric scooter). Electric scooter is a fashionable sports and entertainment equipment.

USER MANUAL

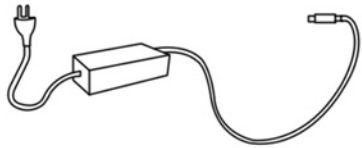
For more information, technical support and assistance, contact your dealer.

CONTENTS

1. PRODUCTS AND ACCESORIES

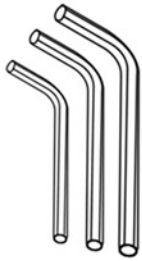
ACCESORIES

Extended inflation nozzle



Charger

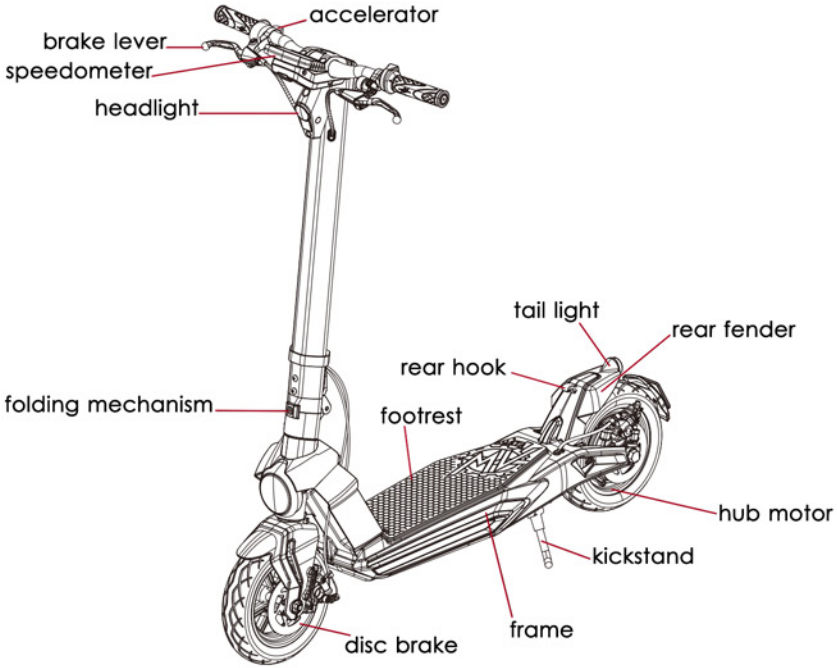
Stickers



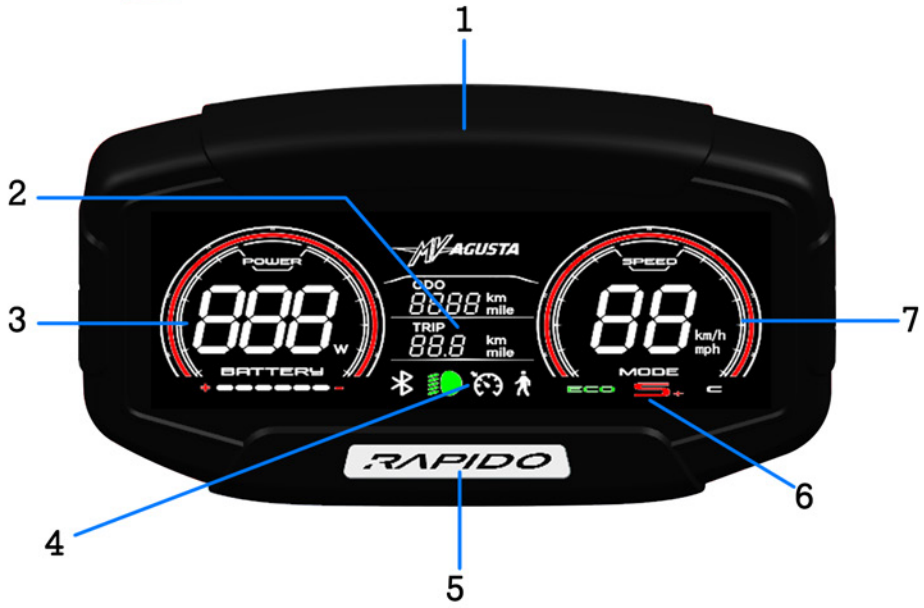
5 #,4 #,3 # inner hexagonal wrenches

IC card

2. FUNCTIONS AND SCHEMATICS



DISPLAY AND CONTROL PANEL



1. DISPLAY

Here will show some real-time technical parameters of the electric scooter.

2. ODOMETER

Display the distance traveled by the scooter including total distance (ODO) and single trip(TRIP).

3. POWER INDICATOR

Display the real-time power of the motor and the power of the battery.

BATTERY LEVEL DISPLAY INDICATIONS

6 grid	54.6 – 49.5 V	100% – 85%
5 grid	49.5 – 48 V	85% – 70%
4 grid	47.9 – 46.2 V	70% – 55%
3 grid	46.1 – 45.1 V	55% – 40%
2 grid	45 – 43.2 V	40% – 25%
1 grid	43.1 – 41.1 V	25% – 10%
1 grid blink	41 – 38 V	< 10%
E02 low voltage alarm	Below 38 V	Error

4. FUNCTION AND DISPLAY AREA

When the indicator light is on, it is considered that the corresponding function is on. This includes Bluetooth function, cruise control function, pedestrian mode, lighting system.

Bluetooth function: ᛒ Icon indicates that the scooter is connected with the mobile device.

Cruise control function: Icon indicates that the scooter is traveling at a constant speed. When the driver presses the accelerator for 5 seconds, then scooter enters the cruise control mode.

Pedestrian mode: Icon indicates that the scooter is traveling at no more than 6KM/H.

Lighting system: Icon indicates that the headlights of the scooter are turned on.

Use the switch on the left side of the handlebar to select different modes.

5. SENSING AREA

"KEY" card can be identified when placed in this area.
In order to turn on the power, please put the KEY card on the sensing area to unlock the vehicle and access all its functions.

6. MODE

There are four driving modes available.

(maximum speed 6 km/h)*, " indicates Pedestrian mode
(maximum speed 15 km/h)*, "ECO" indicates ECO mode
(maximum speed 20 km/h)*, "C" indicates Comfort mode
(maximum speed 25 km/h)*. and "S+" indicates Sports mode.
*Depending on the electric scooter version, the speed may be different.

7. SPEEDOMETER

Displays the current speed of the electric scooter.

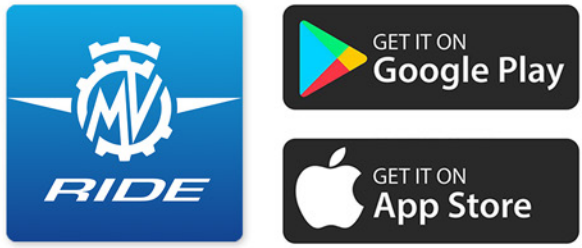
3. OPERATIONAL INSTRUCTIONS

The following is a brief description of the basic operation of the button.

Function	Description	Diagram
Power on	Long press the power button for 2–3 seconds.	
Power off	In the power-on state, long press the power button for 2–3 seconds.	
Switching unit	in the boot state, press this button three times in quick succession to switch between KM and MILE.	
Lights on and off	Press the light button once when the scooter is on.	
Mode switch	In the power-on state, press the mode switch one time.	
Automatic shutdown	In the standby state, no operation for 3 minutes, automatic shutdown. If there are any problems with the scooter, it will not automatically shut down.	NA

4. APP AND BLUETOOTH

Access the preferred app store to download and install the Mv Ride APP

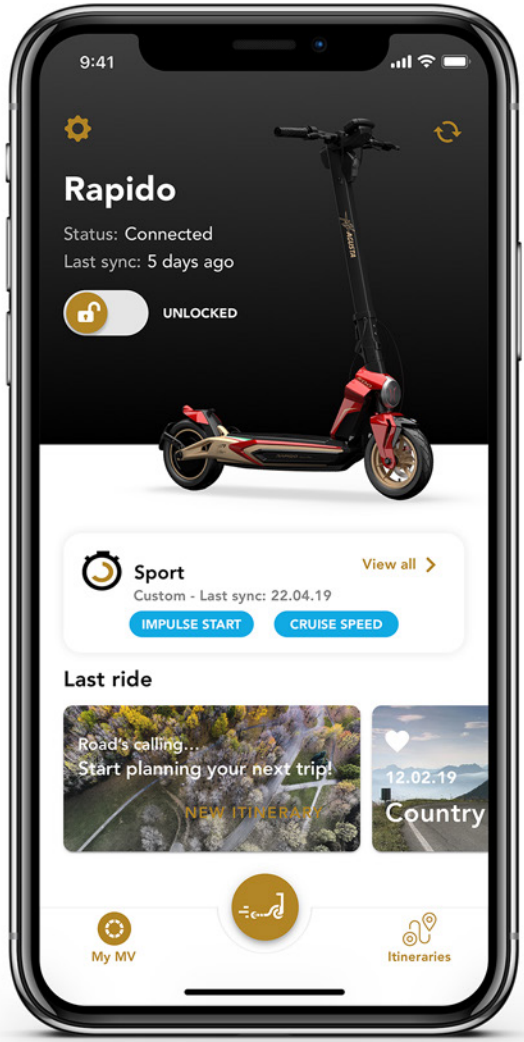


1. Download the app on the smartphone;

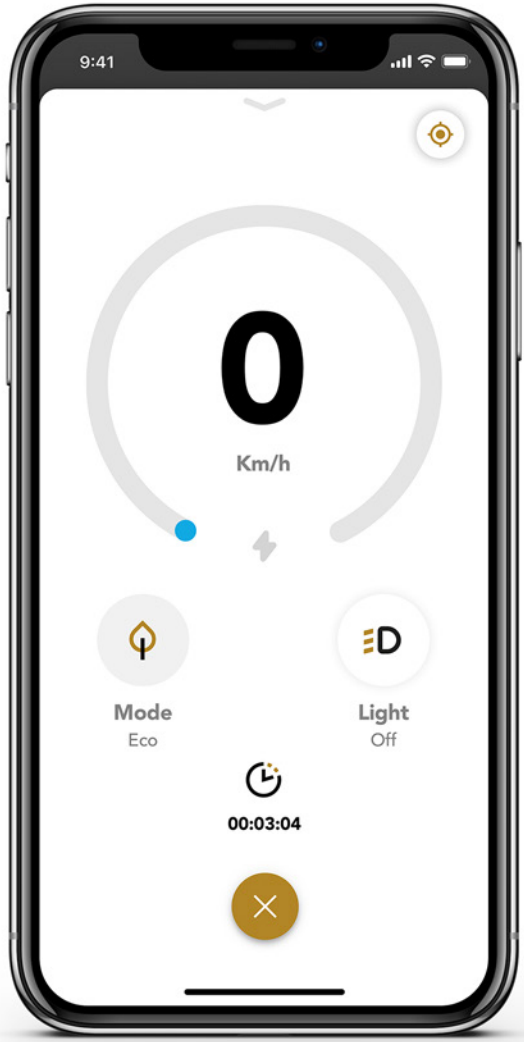
2. Turn on the e-scooter and activate the Bluetooth function on the smartphone;

3. Start the app, connect your smartphone to the electric scooter via Bluetooth within 1–2 metres;

The app's interface appears as follows:

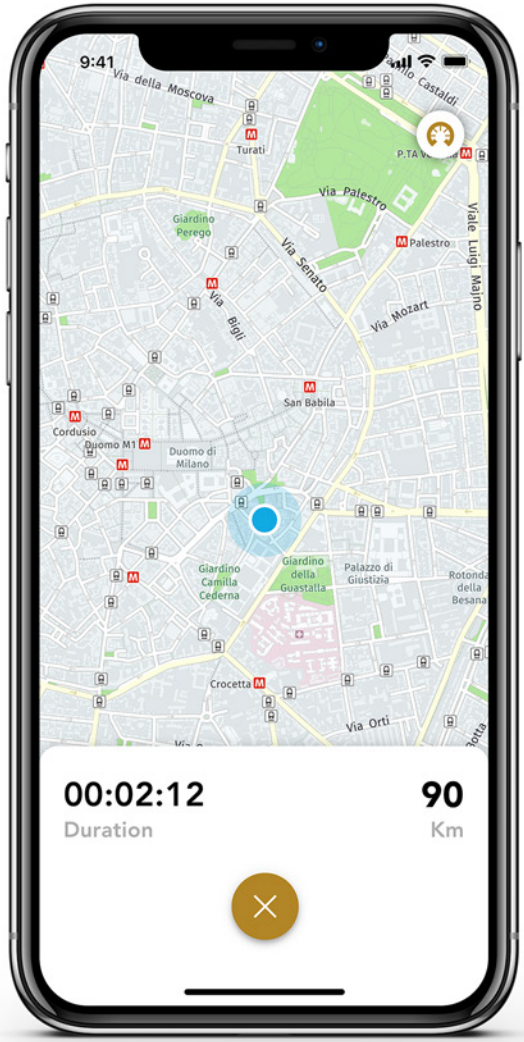


The app's interface with associated electric scooter appears as follows:



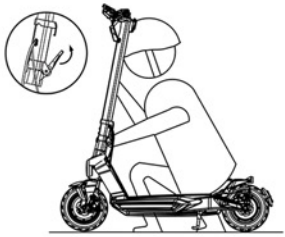
MAIN INTERFACE

The app's interface with associated electric scooter appears as follows:

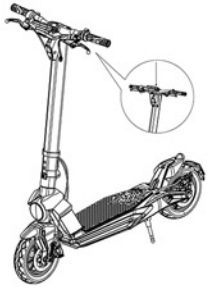


5. SCOOTER BODY ASSEMBLY

5.1 Scooter assembly for the first time



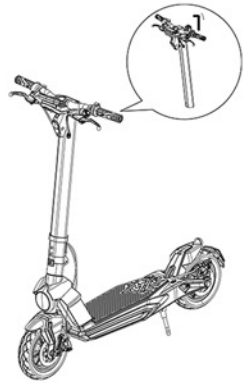
When the scooter is taken out of the carton box. Open the side bracket and straighten the electric scooter kickstand, placing the folding tab in a close position and lowering the fixing ring to hold the tab.



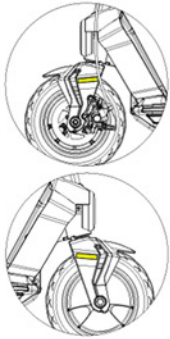
Install the handlebar on the standpipe.

After placing the cables and connectors in the lampshade properly, place the lampshade on the riser. Use an Allen wrench to tighten the screws. The tightening torque of M5 is 2–3N.m, and the tightening torque of M6 is 3–4N.m.

To add the rear reflector, you need to remove the Backing support from the frame first. Then remove Rear tailgate. Take out the Rear reflector assembly from the accessory bag and fix it with ST4.2*10 self-tapping screws with a torque of 1.7-2 N.m. Then install the reassembled Backing support to the frame.

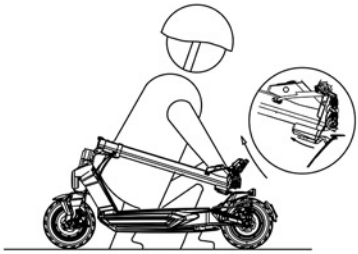


Use the hexagon wrench in the tool kit to tighten bolts with this torque 8-10N.m and pay attention to the rotation direction of the handlebar. Fix the lever brake with an M6 hex wrench.

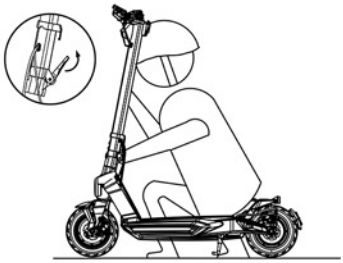


Attach the side reflector to the position as shown in the picture.

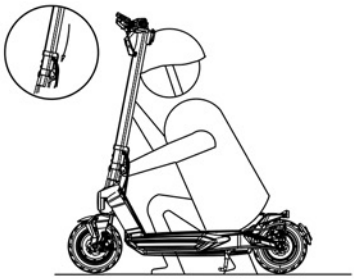
5.2 Scooter assembly for the normal time



First release the hook by applying pressure to the Spring lock tongue. Then straighten the electric scooter standpipe.

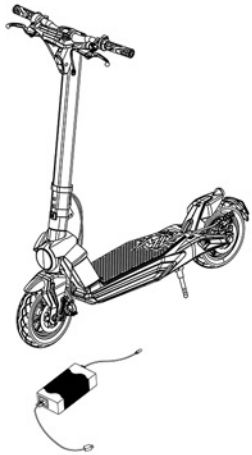


Reset the folding mechanism wrench to the working position.

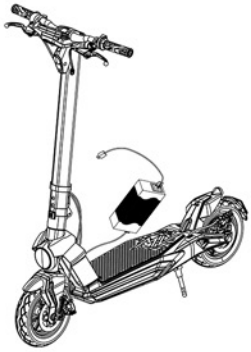


Reset the fixing ring of the folding mechanism to the working position.

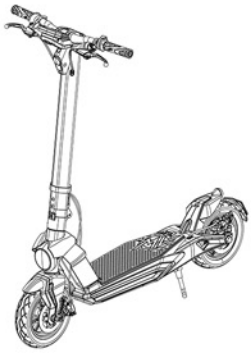
6. BATTERY CHARGING



Turn off the scooter. Remove the waterproof cover

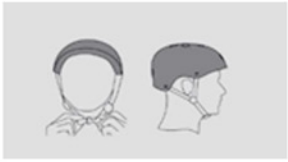


Connect charger with charging port (The charging port is located at the neck of the scooter) and the other power adapter's end to a wall power supply. The light indicator will turn red during charge and will turn green when fully charged.



Put the waterproof cover back after charging. Please unplug the charger immediately after it is fully charged.

7. LEARN TO DRIVE

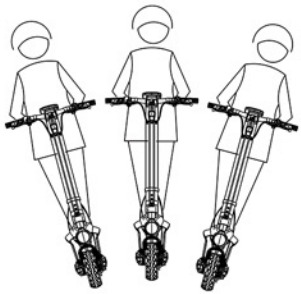


For your own safety, wear a helmet and knee pads to protect yourself from any falls and injuries. The rider assumes all risks for not wearing a helmet or other protective gear.

Put your hands on the handlebar. Step onto the footrest with one foot and use the other to give yourself a gentle push off.

When the electric scooter begins to move, place both feet on the footrest and press the accelerator. Note: the accelerator is activated once the forward speed exceeds 3 km/h.

Release the throttle to slow down slowly, and hold the brake handle for emergency braking. If the scooter enters cruise mode, it can release cruise by pressing the brake handle or pressing the throttle again.



To ride the electric scooter, tilt your body in the direction of travel when turning and slowly turn the handlebar.

⚠ *Attention* ⚠

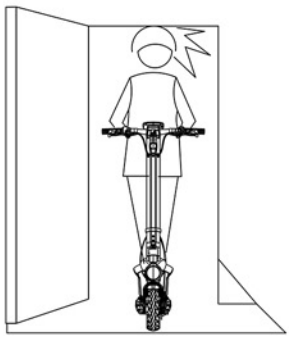
1. When you use it for the first time, charge the e-scooter to 100%. Check the battery indicator; if the battery is low, recharge it before use. The e-scooter is a device that requires periodic recharging in order to function.

2. Before getting off, bring the electric scooter to a complete stop. Trying to get off the electric scooter while it is in motion can cause injury.

8. SAFE OPERATION INSTRUCTIONS

⚠ Don't ride the vehicle under rain, snow or wet condition.

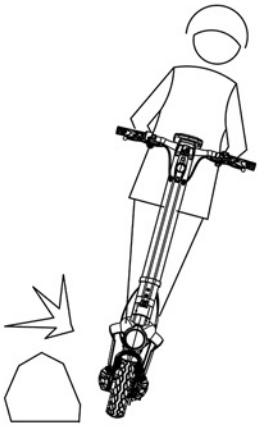
⚠ Don't pass quickly when encountering unconventional pavement such as deceleration belt, threshold, pitted pavement, etc.



⚠ Beware of high obstacles, such as door frames.

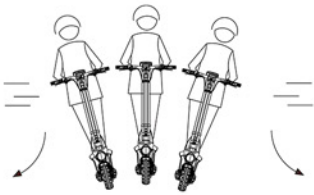
⚠ Don't accelerate downhill.

⚠ Don't press the throttle when implementing electric scooter.



⚠ Please ride away from obstacles.

⚠ Don't put one foot on the footrest when riding, easy to lose balance and fall.

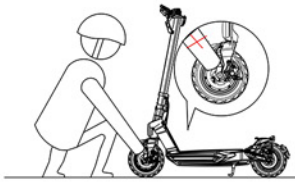


⚠ It is forbidden to rotate handlebars greatly when driving at high speed.

⚠ Don't drive in over 2 cm in deep water.

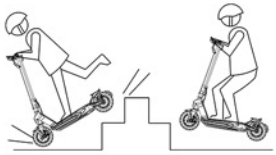
⚠ Manned persons are prohibited.

⚠ No treading on fenders.

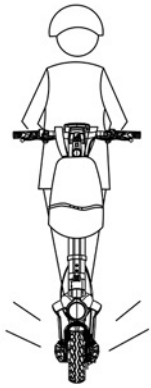


⚠ Don't touch disc brake.

⚠ Don't leave your hands when riding.



⚠ Do not climb stairs or jump over obstacles while riding.



⚠ Please don't hang heavy objects on the handle.

SAFETY INSTRUCTIONS

- You should comply the national and local traffic rules.
  Once the electric scooter is in a public place or on the road, even if you follow this manual completely, you may be injured due to violations or improper operations by other vehicles or personnel.
- Electric scooters are like cars, the faster you drive, the farther you brake. Emergency braking on slippery roads can cause the wheels to slip and lose balance. You need to maintain proper speed and distance from other vehicles or pedestrians. You need to pay attention when you're driving on unfamiliar roads.
- When you drive the electric scooter, please pay attention to children and pedestrians to avoid frightening others. When passing behind them, warn them and slow down.
- Don't let others to use electric scooter especially if they are not expert to prevent injury. When you give your electric scooter to them, let them wear safety gear and teach how to use it.
- Please make a basic check on the electric scooter before each driving. If you found that some parts are loose, battery level is significantly reduced, tires are slowly leaking or excessively worn, steering is noising or there is a failure, please stop using immediately it.
- Turn off the scooter when it is not in use.
- Regularly check the tightening of the various bolted elements, in particular the wheel axles, the folding system, the steering system and the brake shaft.
- Remove any sharp edges caused by use.
- Do not modify or transform the vehicle, including the steering tube and sleeve, stem, folding mechanism and rear brake.
- Do not try to repair the product by yourself.
- WARNING! Keep plastic covering away from children to avoid suffocation.
- WARNING! Stop using the product when damaged.
- WARNING! Never use the product close to a water source.
- WARNING! Fasten the screw in folding tab before use.

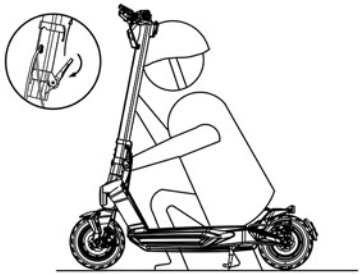
- WARNING! In an emergency, please press the two brake handles at the same time!

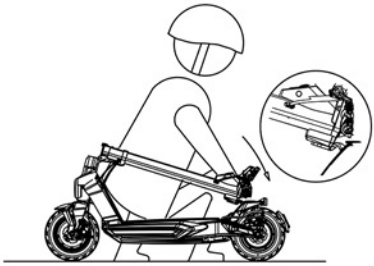
The company will not assume any responsibility resulting from product misuse or from not complying with traffic regulations and with this instruction manual.

⚠ *Attention* ⚠

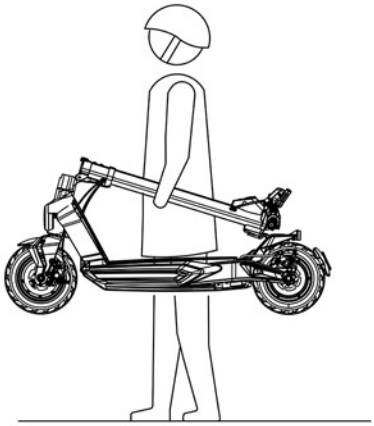
Please check before use if this electric scooter comply with the requirements of your country!

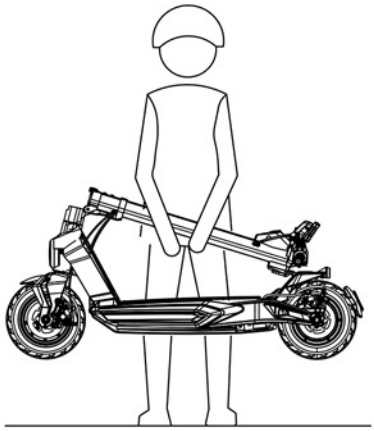
9. FOLD AND CARRY





Make sure that the electric scooter has been power off. After holding the standpipe by hand, upper the fixing ring, rotated the folding wrench and align the front hook and the rear hook.





After folding, hold the standpipe with one or both hands for handling.

10. DAILY MAINTENANCE

10.1 How to clean the Electric Scooter

If there is any stain on the surface of the scooter. First make sure the electric scooter is turned off and cover the charging port to prevent damage to the electronic components. Then please dip it in soft cloth and wipe it with a little water. If dirty stains hardly to clean, toothpaste can be used for scrubbing and then wet cloth cleaning.

Alcohol, gasoline, kerosene or other corrosive or volatile chemical solvents should not be used for cleaning. Because chemical material can damage both the appearance and the internal structure of the electric scooter. In addition, it is forbidden to use high-pressure water gun to cleaning.

Don't expose it to rain or water, or soak it in water to wash it.

10.2 How to store the Electric Scooter

When not in use, store electric scooters indoors in dry and shady places, the most suitable storage temperature is between 15 and 45 degrees, and try to avoid long-term outdoor storage. Sunshine exposure, overheating and overcooling will accelerate the aging of electric scooters and tires aging and reduce the service life of electric scooter batteries. Charge the scooter 50% – 60% before storing it out of season or for extended periods. Recharge it to 50% – 60% every 30 days.

10.3 Charging and storage battery

1. Make sure the electric scooter, charger and charging port are dry.

2. When the electric scooter is fully charged, the LED light on the charger changes from red (charging) to green (charging completed). Please do not use battery packs of other models or brands, otherwise there may be safety risks.

3. Only the original charger can be used for charging, otherwise there is a risk of damage or fire.

4. The electric scooter should not be charged for extended periods. After charging, please disconnect the charger. Overcharging reduces battery life and may cause other potential risks.

5. Charge the electric scooter in a dry environment away from flammable materials and not charge in direct sunlight or near a fire.

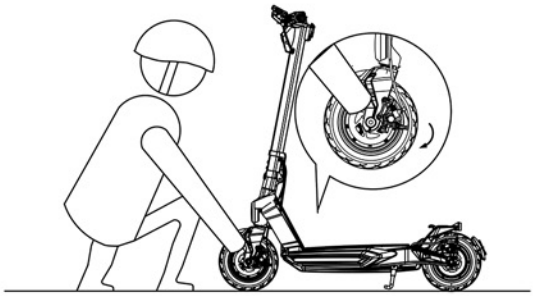
6. Avoid completely discharging the battery.

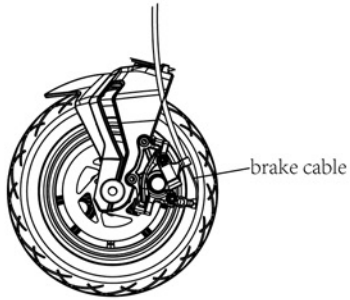
7. Do not place the battery at temperatures above 50 degrees Celsius or below minus 20 degrees Celsius.

8. Improper disposal of waste batteries can seriously damage the environment. When discarding this battery pack, please observe local regulations. Do not discard the battery pack to protect the natural environment.

9. It is forbidden to touch the battery contacts and to dismantle or puncture the shell. Avoid short circuit caused by metal contact with battery contacts. Otherwise, it may cause battery damage or injuries for people.

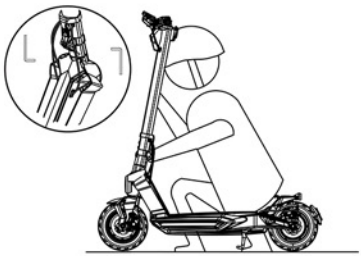
10.4 Adjust the brake



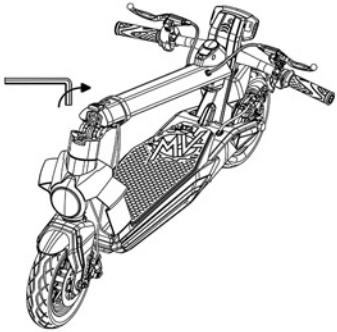


If you feel that the brake is too tight or too loose, first use M4 inner hexagonal wrench to loosen the nut, then adjust the brake line, (Shorten the brake line upward if it is too tight, if it's too loose, pull the brake cord down) and then tighten the nut. If equipped with double mechanical brakes, the adjustment method is the same.

10.5 Adjust handlebar

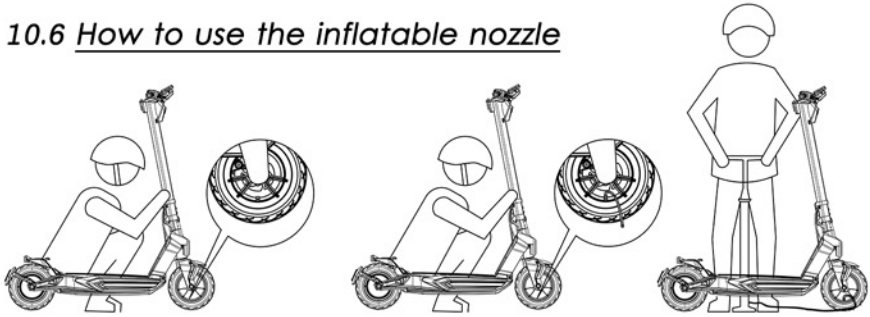


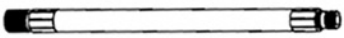
As shown in the figure, if the standpipe is shaking during the ride, tighten the bolt with this torque 8–10 N.m with the inner hexagonal wrench.



If the column is tilted, fold the scooter and tighten it clockwise with a hexagonal wrench with this torque 8–9 N.m

10.6 How to use the inflatable nozzle





If a tire is deflating, use an extended inflator to inflate the tire. As shown in the picture above, first the threaded section on the extended inflator's right is connected to the air pipe, and the left is connected to the valve of the tire. Then unscrew the cap of the inflatable nozzle, then connect the extended inflatable nozzle and inflate it respecting the maximum tire pressure.

11. TYPE AND PARAMETERS

Dimensions	
Size(mm)	1132*501*1217
Fold size(mm)	1132*501*538
Cycling Requirements	
Maximum load	100Kg
Applicable age	14-50
Suitable height	130-200cm
Vehicle Parameters	
Full speed	25Km/h*
Max distance with one charge	D mode (20km/h) ; Load: 75kg----50Km
Max climbing angle	25%
Applicable terrain	Cement and asphalt pavement, flat clay pavement,no move than 1 cm steps,no more than 5 cm wide channel
Working temperature	0-40℃
Storage temperature	0-40℃
Level of protection	IPX4
Battery	
Rated Volt	48V
Battery capacity	10.4Ah
Charging voltage	54.6V
Motor	
Rated power	500W
Rated Volt	48V
Magnetic height	C30
Torque	24 Nm
Charger	
Input voltage	100-240V
Rated output voltage	54.6V
Rated current	2A
Charging time	About 6H

*Always respect the highway code and the regulations in force in the country of use. The maximum speed may be different, depending on the electric scooter version.

Light	
Headlight	LED
Decorative lamp	LED
Taillight	LED
Controller	
Rated Volt	48V
Limited current	18A
Speedometer	
Speedometer size	Display area 3.96 inches LCD
Brake	
Brake type	Double disc brake
Tire	
Front tire	Tubeless10*2.5-6.5
Rear tire	Tubeless10*2.7-6.5
Frame	
Frame materials	Magnesium alloy

12. CONTENT AND NAME OF HARMFUL SUBSTANCES

Component Name	*Harmful substances*					
	Pb	Hg	Cd	Cr (VI)	PBB	PBDE
Charger	x	O	O	O	O	O
Battery	x	O	O	O	O	O
Gas Nozzle	x	O	O	O	O	O
Charging port	x	O	O	O	O	O
Controller circuit board	x	O	O	O	O	O
Instrument Circuit board	x	O	O	O	O	O
Hub motor	x	O	O	O	O	O
Frame	O	O	O	O	O	O
Tire	O	O	O	O	O	O

13. ERROR CODES

When a problem occurs, in addition to the taillight flashing, the speedometer will also display the error code. The explanation is as follows:

Parts	*Error code*	*Name*
Controller	E01	Over-current protection
	E02	Low-voltage protection
	E03	Over-voltage protection
	E04	Locked-rotor protection
	E05	MOSFET up bridge-arm fault
	E06	MOSFET down bridge-arm fault
	E07	Hall of failure
	E08	Over-temperature protection
Speedometer	E09	Throttle failure
	E12	Communication failure

14. TRADE MARKS AND LEGAL NOTICES

 is a registered trademark of MV AGUSTA Motor S.p.A. MV AGUSTA reserves all rights to trademarks.

Due to the continuous improvement of product functions and design changes, there may still be inconsistencies with the products you buy. Due to product updates, there are differences in color, appearance and function between this manual and the actual product. Please refer to the actual product.

MV AGUSTA Motor S.p.A.
Varese, 21100, Loc. Schiranna, via G. Macchi 144

15. WARRANTY POLICY

The content of the warranty	*Guarantee time*
Frame	2 year
battery	1 year
Controller	2 year
Motor	2 year

Note: Extended inflatable nozzles and tools are consumables without warranty.

NON-WARRANTY ORDINANCE

1. Unauthorized maintenance, misuse, collision, negligence, abuse, infusion, accident, alteration, incorrect use of non-product accessories or tear, alteration of labels, anti-counterfeiting marks;

2. Over the warranty period;

3. Damage caused by force majeure.

4. Performance failure that does not conform to the performance failure list of electric scooter.

5. The performance faults listed in the Performance Fault Table of Electric Scooter are caused by human factors.

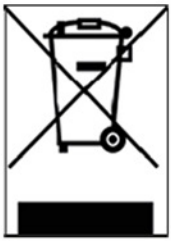
6. Damage caused by human factors (including, but not limited to, traces and damage caused by vehicle fluid intake, tyre ligation, impact, normal use of exterior parts, etc.)

7. If this product is used for commercial use,
it will not be guaranteed.

Name	*Perfomance failure*
Electric scooter	The motor can not work under normal conditions
	Battery malfunction under normal operation
	Deformation and fracture of frame under normal condition can not be continued to use.

Performance Fault Table of Electric Scooter

Disposing of electrical or electronic devices at the end of their life (applicable in all European Union countries and in other European systems with separate collection systems)



This symbol on the product or packaging indicates that the product should not be considered as normal household waste, but instead taken to an appropriate collection point for recycling electrical and electronic equipment (WEEE).

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health which could otherwise be caused by inappropriate disposal. Recycling materials helps to conserve natural resources.

For more detailed information about recycling this product, you can contact the municipal office, the local waste disposal service or the point of sale where the product was purchased.

Specifically, consumers must not dispose of WEEE as municipal waste, but dispose of it separately, in two possible ways:

1) At municipal collection centres (also called eco-stations, recycling points), directly or via the collection services of municipal companies, where available;

2) At sales outlets selling new electrical and electronic equipment. Here, very small WEEE (with the longest side less than 25 cm) can be left free of charge, while larger ones can be left on a 1-for-1 basis, i.e. you can leave the old product when you buy a new one with the same function.

In the event of illegal disposal of electrical or electronic equipment, the penalties provided for by current legislation on environmental protection may be applied (Italian legislation; it is necessary to check the regulations in force in the country of use/disposal of the vehicle). If WEEE contains batteries or accumulators, these must be removed and disposed of via specific separate waste collection.

Disposal of dead batteries (applicable in all European Union countries and in other European systems with separate collection systems)

This symbol on the product or packaging indicates that the battery pack should not be considered normal household waste. On some types of batteries, this symbol may be used in combination with a chemical symbol.
The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead.

By ensuring that battery packs are disposed of correctly, you will help prevent potential negative consequences for the environment and health which could otherwise be caused by inappropriate waste handling. Recycling materials will help to conserve natural resources. Where for safety, performance or data protection reasons, products require a fixed connection to an internal battery/cell, this must only be replaced by qualified service personnel.

At the end of its life, deliver the product to a collection point suitable for the disposal of electrical and electronic equipment: this will ensure that the battery inside is also disposed of correctly.

For more detailed information about disposing of the exhausted battery or the product, contact the municipal office, the local waste disposal service or the point of sale where the product was purchased.

According to Italian Legislative Decree 49/2014, the product falls within the EEE (electrical and electronic equipment) management of WEEE (separate waste collection).

NOTICES

Read the manual and instructions below in full before using the product. Product name: RAPIDO Serie Oro
Product type: Electric scooter
Year of production: 2021

NOTE:

• To recharge this electric scooter ONLY use the charger supplied labelled XVE126-5460200 with the following output voltage: 54.6V, 2A.
• Using another type of charger can damage the product or pose other potential risks.
• Never leave the product to charge unsupervised.
• It takes about 6 hours for the battery to be fully charged.
Please unplug the charger in time, when the battery is fully charged.
• The product should only be charged at temperatures between 0°C and 40°C.
• If charged at lower or higher temperatures, there is a risk that the battery will offer reduced performance, potentially resulting in damage to the product and personal injury.
• The product must be used only at temperatures between 0°C and 40°C.
• If used at lower or higher temperatures, there is a risk that the battery will offer reduced performance, potentially resulting in damage to the product and personal injury.
• Store the product at temperatures between 0°C and 40°C (the optimum storage temperature is 25°C).
• Recharge and store in a dry and open place, away from combustibles (i.e. any flammable element).
• Do not recharge in sunlight or near open flames.
• Do not recharge the product immediately after use. Allow the product to cool for an hour before charging.
• If you are away for a certain period of time, for example for holidays, and you entrust the device to a third party, leave it in a partially charged state (20-50% charge). Not fully charged.
• The product is often supplied partially charged.
Recharge it before use.

CE

EC Declaration of Conformity (Machinery Directive)

The undersigned Motor Company S.r.l. based in
Via Vittoria Veneto, 23–21020 Varano Borghi (VA) – Italy
certifies that the design and manufacture of this product

Product name :	MV AGUSTA
Item name :	RAPIDO Serie Oro
Type of product :	Electric scooter

Machinery Directive 2006/42/EC Standard MD:EN ISO 12100:2010,
EN60335–1:2012+AC:2014+A11:2014+A13:2017+A12019+A2:2019,
EN17128:2019, EN300328 v.2.2.2, EN301489–1 v.2.2.3,
EN301489–17 v.3.2.2,
EN61000–6–1:20017, EN61000–6–3:2007+A1:2011, EN62479:2010,
EN50581:2012

and therefore complies with the essential requirements of the
Machinery Directive. MD 2006/42/EC,
LVD 2014/35/EU, EMC 2014/30/EU, RED 2014/43/EU.

Serial number: RAPIDOSO2100001 to RAPIDOSO2103000
First and last name: Ratmir Sardarov
Position: CEO
Company: Motor Company S.r.l.
Address: Via Vittoria Veneto, 23–21020 Varano Borghi (VA) – Italy

IF THERE IS ANY PROBLEM ►
DON'T WORRY, ►
WE WILL TAKE CARE OF YOU ►

FEEL FREE TO CONTACT OUR CUSTOMER CARE TEAM

PLEASE SPECIFY: ORDER NUMBER, PRODUCT CODE & REASON FOR RETURNING

emv.aftersales@mvagusta.com

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21100 Varese
www.mvagusta.com