



Manual EMQ Light v3.0+ | 2025

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The lightest electric folding bike from the Netherlands

## Congratulations!

You have chosen the EMQ e-bike, the lightest electric folding bike from the Netherlands. From now on you always have a tailwind!

And now, of course, you want to get everything out of it and enjoy your bike to the fullest for as long as possible. We have therefore written an extensive manual to help you with this. Please read it carefully. If something is not entirely clear, please let us know!

Enjoy!



Scan the QR code on the right to watch a short instructional video of the EMQ e-bike. In 5 minutes you can see how to fold and unfold the EMQ e-bike best and fastest and you get some final tips & tricks to get the most out of your EMQ e-bike!

Or go directly to: <https://www.emq.nl/en/manual/>


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# 1. Introduction

This manual contains important points and instructions with important information about your new EMQ e-bike. Please read all the documentation provided. This prevents possible usage damage to your EMQ e-bike and/or (serious) injury to yourself. EMQ accepts no liability for damage resulting from non-compliance with these instructions. In case of incorrect use, we are not liable for defects and the warranty expires.

 **CAUTION!** To put extra emphasis on the most important parts and warnings, this symbol is used.

## 1.1 General information

Before using the EMQ e-bike for the first time, please read the chapters "2.1 Before first use" and "2.2 Before each ride".

If you let someone else use the EMQ e-bike, have them read the manual carefully first. Therefore, keep this manual safe for future reference.

## 1.2 Safety Instructions

- Turn off the assist when you're not on the EMQ e-bike. When the assist is on and the pedals move, the motor will drive the EMQ e-bike forward. This force can come unprepared and lead to falls, danger or even accidents in traffic.
- It is vital that the EMQ e-bike receives timely professional maintenance. The frequency of maintenance depends on the use. Make sure you are well informed by your dealer or the EMQ office. Failure to have your EMQ e-bike serviced in a timely and/or professional manner may lead to dangerous situations, as well as loss of warranty.
- Consult your dealer or the EMQ office if you run into malfunctions.
- Handle your EMQ e-bike with care and attention and avoid hard impacts.
- The design of the EMQ e-bike makes the e-bike resistant to wet weather conditions. However, do not intentionally submerge the e-bike in water, nor leave the EMQ e-bike in very wet conditions for long periods of time.
- Do not clean the e-bike with a pressure washer. If water penetrates the parts, it can lead to malfunction and wear.
- Normal wear and tear due to normal use and age is not covered by our quality guarantee.
- Get to know the e-bike well in a safe place before you set off on your first ride!

## 2. Putting the EMQ e-bike into use

### 2.1 Before First Use

- Read all safety instructions.
- Fully charge the battery.
- Adjust the seatpost clamp to the correct strength: the saddle should not sink down, but you should still be able to close the clamp.
- Check that all clamps are tight.
- Check that the brakes are working properly.
- Press ON/OFF to turn on the display (See 8.2 Operating the Display).

The e-bike is ready for first use.

Practice cycling on your new EMQ e-bike in a safe place and get to know the electric assistance and its operation well before you hit the road.

### 2.2 Before each ride

If you are unsure whether your EMQ e-bike is technically sound, do not ride it. Contact EMQ or take your EMQ e-bike to an EMQ dealer to have it properly checked. The frame, fork and other bike parts that are important for your safety, such as wheels and brakes, often have a hard time. If your EMQ e-bike does not receive timely and professional maintenance, or if you use components for longer than its intended lifespan, your e-bike may malfunction which in the worst case can lead to falls and serious injury.

Before each trip, check that:

- The brakes are functioning properly.
- The tyres up to 4 bar are inflated.
- The tyres still have sufficient tread.
- The lighting works well.
- The bell works properly and is securely fastened.
- All clamps are well and firmly attached.
- The handlebars, stem, saddle and seatpost are all secure, secure, and in the correct position.
- The battery is charged.
- The chain is intact.
- The pedals and handles are well and firmly attached.

## 3. Unfolding your EMQ e-bike

For quick and easy folding and unfolding, you need some practice. Don't worry if it feels a bit awkward the first few times, you'll get the hang of it in no time! With a little experience, you can have the bike fully folded or unfolded within 6–10 seconds.

### 3.1 Handlebar

Stand on the left side of your folded e-bike, fold your handlebars up and clamp into place.



**CAUTION!** Never extend the stem beyond the maximum height indicated on the stem itself.



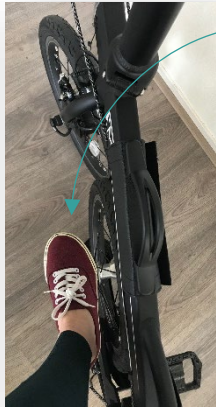
### 3.2 Saddle

Loosen your seatpost clamp, pull your saddle up to the desired height and clamp.



**CAUTION!** Do not extend the seat post beyond the maximum height indicated on the seat post itself. This marking is located on the front of the seat post, facing the handlebars.

### 3.3 Rear Wheel



- ✓ Place your right foot on the axle of the rear wheel.
- Push the rear wheel backwards from under the bike with your foot:
- ✓ With your left hand you hold the handlebars, with your right hand the saddle.
  - ✓ You leave your front wheel on the ground, while at the same time pushing the rear wheel back under the bike with your foot.

Below you can see the movement that the rear wheel makes. You keep your right foot on the axle of the rear wheel during the entire movement.



**⚠ CAUTION!** With unfolding, the chain goes from a relaxed to a tense state. Always do this with attention and policy: the chain must be given the time and space to find the teeth of the sprockets properly again.

Make a rolling motion with the e-bike, unfolding the last part of the rear wheel while the chain becomes tensioned.

Do you notice that the chain is already fully tensioned, while the e-bike is not yet fully unfolded? And don't the chain and pedals move when you let the wheels roll? Then the chain is not properly on the sprockets. This can be remedied in almost all cases by folding the rear wheel back for a while. Now slowly unfold the EMQ while rolling the e-bike back and forth. You will then hear the chain looking for its place on the sprockets, and notice that the chain is back in the right position.

The chain fits well if the chain and pedals move with you when you move the wheels (and therefore the sprockets).

Only when the chain is in place, you push through and the e-bike is fully unfolded.

Do you push through while the chain is not in the right place? Then you may break the cap around the sprocket at the back. This is not covered by the warranty, and can easily be avoided by following the instructions above.



## 3.4 Pedals



Unfold your pedals as follows:

1. Squeeze the inside of the pedal with your hand, as shown on the right.
2. Move the pedal to the unfolded position and release it. The pedal locks itself, so you can start cycling immediately.



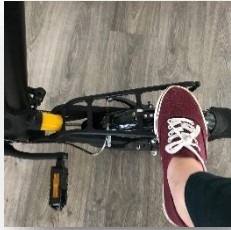
Your EMQ electric folding bike is ready for use!

## 4. Folding your EMQ e-bike

For quick and easy folding and unfolding, you need some practice. Don't worry if it feels a bit awkward the first few times, you'll get the hang of it in no time! With a little experience, you can have the bike fully folded or unfolded within 6–10 seconds.

### 4.1 Rear wheel

Stand on the left side of your unfolded EMQ and fold your rear wheel under your bike



Place your right foot on the luggage rack.

With your left hand, hold the handlebars and keep the front wheel on the ground for stability

With your right hand you pull the saddle up, while your right foot pushes the rear wheel under the bike.



### 4.2 Saddle

Lower your saddle. This immediately locks your rear wheel in the folded position.



Open the clamp



## 4.3 Handlebar

Fold your handlebars by pushing the silver pin upwards. After this, you can push the clamp off the stem.



With an open clamp, you can easily fold your handlebars:



## 4.4 Pedals



Fold your pedals as follows.

1. Squeeze the inside of the pedal with your hand, as shown on the right.
2. Move the pedal to the folded position and release it. Repeat this on the other side.



Your EMQ electric folding bike is ready to be put away!

## 5. Adjusting the stem clamp

If your handlebars drop down while riding, you can adjust the stem clamp tighter. If you have trouble closing the clamp, it can be adjusted looser. Adjusting the stem clamp is easy. You need an Allen key 3mm for this.



Use an Allen key 3mm to tighten or loosen the clamp:

Turning left loosens the clamp, turning it clockwise tightens the clamp.

Open the stem clamp

## 6. Adjusting the seatpost clamp

Adjusting the seatpost clamp is very easy. If your saddle drops down while cycling, it is important to tighten the seatpost clamp. Here's how:



Open the seat post clamp and turn the adjustment knob. Turning left loosens the clamp, turning it clockwise tightens the clamp.

**⚠ CAUTION!** Before you start cycling, check that the clamps are adjusted tightly enough so that the handlebars and saddle cannot sink down.

## 7. Pedal assistance

### 7.1 Pedal Assist Information


The EMQ e-bike provides pedal assistance. This means that the motor is an addition to your own physical effort. You have to move the pedals to activate the motor. If the pedals don't move, the motor won't start either. You can easily determine the level of pedal assistance yourself on the display.

When the electric pedal assistance is switched on (see 8.2 Operating the display), the bicycle starts up differently than without pedal assistance. You accelerate much faster and easier. Take the time to discover this new way of pulling up and get used to it. We recommend starting with cycling WITHOUT pedal assistance, and activating it while cycling.

The pedal assistance is limited to a speed of 25 kilometers per hour.

The range of the bicycle depends on the conditions in which it is being cycled. All kinds of factors influence the range: any slopes, tyre pressure, the weight of the cyclist, the number of times braking and accelerating, the outside temperature and headwind or the tailwind.

### 7.2 Precautions

 **CAUTION!** If you are riding the EMQ e-bike for the first time, accelerate WITHOUT pedal assist. Only turn it on when you are already cycling. This way you get used to the pedal assistance carefully.

 **CAUTION!** It is important to turn off the support before you get off.

See also 8.2. Operating the display. By turning off the assistance, the motor cannot be activated unintentionally during or after dismounting.

## 8. Display

### 8.1 Display Information

The EMQ v3.0+ has an LCD display model APT LCD 500S.



### 8.2 Operating the Display

Press and hold **ON/OFF** for one second. You will then see the display turn on.

Press **PLUS +** to select a higher assist setting.

Press **MIN -** to select a lower assist setting.

At assist level 0, the EMQ e-bike does not provide assistance. The highest assist setting is 3.5 or 9 depending on the number of modes set.

**CAUTION!** Turn the electric assist OFF when you are not on the EMQ e-bike.



When the electric assistance is switched on and the pedals move, the motor drives the EMQ e-bike forward. This force can be unknown and lead to falls, danger or even accidents in traffic.

## 8.3 Additional Options: Display

### Display lighting

To be able to see your display well in the dark, you can easily activate the lighting of your display. You can do this by pressing **and holding PLUS +** for two seconds.

### Walk assistance

For example, if you walk up a high bridge, it can be nice to get a support from your EMQ e-bike. The walk assist provides a speed of 6 km/h, and you can activate it by pressing **and holding MIN –** for two seconds.

### Information about your bike use

By clicking on **MODE –** you can view several things:

Number of clicks	Information
1	Average speed driven*
2	Maximum speed driven*
3	Number of KM driven in this ride*
4	Total number of KM driven
5	Total time ridden in this ride*

counter will continue to run in this ride \*

\* Until you reset the data, the



### Resetting temporary information

Your average speed, maximum speed, number of kilometers driven in this ride, and total time driven are all temporary information. You can reset this by holding **MODE –** for 2 seconds. You will see: **Cr**



At the bottom right flashes "n". Click on **PLUS +** and then "y" will start flashing at the bottom right. Press and hold **MODE** for 2 seconds.

## 9. Battery

### 9.1 General battery information

The EMQ e-bike has a powerful 24V, 10Ah Lithium-ion battery. This is anchored in the frame.

**CAUTION!** Never attempt to remove the battery from the frame yourself. The battery can only be replaced by Team EMQ and its dealers.

The battery is waterproof and can withstand moderate rain. However, make sure that the battery is not exposed to large amounts of water.

At low or high temperatures, the performance of the battery decreases. The specifications of the battery mentioned above apply at a temperature of 25 °C. In general, a reduction in capacity of 1% applies for every drop of 1 °C compared to 25 °C.

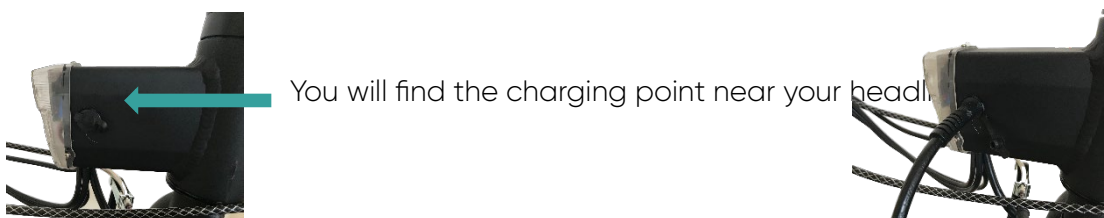
Avoid exposing the e-bike to high temperatures. Do not park the bike near the heater, and do not put it in the sun.

- The operating temperature should be between -5 °C and +35 °C. The recommended storage temperature is between 10 °C – 25 °C.
- The battery is not delivered fully charged. Charge the battery completely before first use and also before storing it.
- Never store the EMQ e-bike in direct sunlight to avoid overheating and (therefore) damage to the battery.

**CAUTION!** Never allow the battery to be fully discharged. This may damage the battery (in this case, the warranty will be void). The battery should NOT be stored discharged, but always with a FULL battery.

### 9.2 Charging the battery

Plug the charger into the wall outlet. Then plug the charger into the charging point of the e-bike.



- Only charge the EMQ e-bike with the charger provided by EMQ
- Only charge this battery at an ambient temperature higher than 0° C.



- The cover must be closed properly after charging, otherwise moisture can get into the bike
- Under normal circumstances, charging in between extends the life of the battery. Never leave the battery completely discharged and charge it even after a short period of use.
- If the battery in the e-bike is not used for more than a month, charge the battery in the meantime. The e-bike should be placed in a cool, dry place when stored.

## 9.3 The Charger

When the charger is connected to the mains, the charger light will illuminate. This is green when the charger is not charging the bike. If the charger is plugged into the e-bike's charging point, the light will turn red when the battery is charging, and the light will turn green when the battery is full and therefore not charging (anymore).



NOTE: If the charger remains connected to the mains power for 12+ hours, the charger will switch itself off. This is a safety precaution. The light will then stay on green and not charge the EMQ. Therefore, unplug the charger after each charge and only plug it back in when the EMQ is going to be recharged.



The charger should only be used indoors.



Only dispose of the charger in the designated waste container.



Do not disassemble the charger. Electrocution hazard present.



Do not expose the charger to water.

## 10. Tyres

### 10.1 Valve

To inflate the tyres of your EMQ e-bike, use a pump suitable for Auto (Schröder) valves.

### 10.2 Tyre Pressure

You maintain about 4 bar for the best pressure in your tyres.



**CAUTION!** Check the pressure of the tyres regularly. Full tyres are the best way to ride, but they also make your battery last longer and prevent unnecessary and/or premature wear and tear – and punctures.

## 11. Brakes

### 11.1 Information about the brakes

The EMQ e-bike has hand brakes. These handbrakes are best adjusted when the entire surface of the brake pads is resting against the rim, when the handbrake is pressed halfway.

After about 300 km of first use after purchasing the bike, the brake cables have become a bit more relaxed. As a result, you may have to squeeze the brakes further to brake than was the case in the beginning. During the first service, and in all maintenance intervals thereafter, the brakes are tightened and adjusted just right for you.

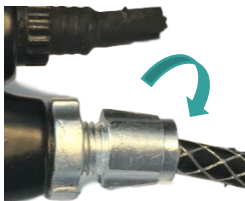
You can adjust the brakes a bit in between, as described below.

### 11.2 Adjusting the Brakes

Between maintenance, you can, if desired, adjust the brakes yourself. You do this if you feel that the brakes are not tight enough, or just a little too tight.

You use the screw at the handbrake to adjust the cable tension. If you turn the screw inwards, you reduce the tension on the cable. This loosens your brakes. Do you want to tighten your brakes? Then turn the screw outwards.

This way you tighten the brakes.




Hold this ring while you turn the screw.

### 11.3 Replacing the brake pads

The brake pads should be replaced when the profile on the pads is no longer visible. **Do not do this yourself**, but have it done by a professional EMQ dealer. EMQ and its dealers are happy to assist you in this as well.

## 12. Lighting

The headlight has a light sensor and automatically turns on when it becomes darker. Turn on the display to activate the lighting. Even without support, the lighting will still come on.

 **CAUTION!** If the headlight cover is broken, have it replaced by a professional EMQ dealer as soon as possible. They will be happy to help you with this, and this will prevent further damage to the headlight or the electrical components in the bike.

The rear light works on 2x AAA batteries and you (de)activate these by clicking on the black button in the middle of the rear light.

## 13. Maintenance

### 13.1 The first service

After  $\pm$  300 kilometers cycled and at the latest before 450 kilometers cycled after purchasing a new EMQ e-bike (or no later than 6 months after delivery of the EMQ e-bike, depending on which situation occurs first), it is time for the first service. This is particularly important for the life of the bike, but also of your battery.

All parts in the bike are "cycled in" after this distance and then relaxed. For the life of your bike, it is then important to re-tighten everything. The service restores the stability of the frame, prevents the chain from skipping when pedaling and makes the brakes more powerful. This will make your battery last longer and makes sure your bike will be used in the right way, preventing unnecessary wear and tear.

**⚠ CAUTION!** Do you not schedule this first service, or do you schedule it much too late, and does this result in unnecessary wear and tear or actual strain on the bike? Then the warranty may expire. So book your maintenance on time.

### 13.2 Maintenance Schedule

After your first service, you offer your EMQ e-bike for a service every 1,000 kilometers, and at least once a year. You should preferably do this at EMQ or an EMQ affiliated dealer, because our specialists are specifically trained for the perfect maintenance and adjustment of the EMQ e-bike. We know better than anyone what your bike needs and how it will continue to perform at its maximum for as long as possible. But maintenance may also be outsourced to your own (local) bicycle shop. In that case, we do ask you to keep the invoices for this, so that you can show when maintenance has taken place.

### 13.3 Maintenance at EMQ

At EMQ, we take maintenance very seriously. Together with our dealers, we go every step to make your EMQ e-bike cycle like new again!

- ✓ We thoroughly clean your e-bike and can neatly touch up paint damage.
- ✓ We check all the tightening torques of your EMQ e-bike.
- ✓ The brakes are checked for the correct tension on the brake cable and they are readjusted.
- ✓ The brakes are checked for wear and strength.
- ✓ We check the wheels and tyres for the correct shape, correct pressure on the spokes, the tyre pressure and the overall condition of the tyres.
- ✓ The wheels are inspected, and if necessary, re-aligned.
- ✓ The steering wheel is examined and play on the steering wheel is adjusted.
- ✓ The chain is perfectly tensioned again.
- ✓ The chain is completely cleaned and lubricated with high quality lubricant.
- ✓ The electric pedal assistance is checked and tested.
- ✓ The saddle and handlebar clamps are tested and, if necessary, readjusted.

If you have any additional requests for this service, please do not hesitate to let us know. EMQ and its dealers are happy to assist you.

## 13.4 Own maintenance

It is important to maintain your EMQ e-bike properly yourself, between turns. This way you can enjoy your EMQ e-bike to the fullest for as long as possible.

Go through these steps weekly for an optimal driving experience:

1. Keep the chain clean and lubricate it well. This will prevent rust and dirt from getting on and in your bike.
2. Check the tyre pressure +/- 4.0 bar and inflate it regularly. This way you get the most out of your battery and prevent unnecessary wear and tear.
3. Clean the pedal sensor with a sponge and lukewarm water if it has become very dirty.
4. Check the spokes. Do you see something strange with the spokes? Please contact the EMQ dealer in your area immediately. They will be happy to check this for you.
5. Are the brakes still working properly?
6. Check your wheels regularly: is there a twist in your wheel? Or do you notice that there is play on your wheels? Then also contact the EMQ dealer in your area immediately. They will be happy to check this for you.
7. Is the lighting still working properly? And are you sufficiently visible in the dark?

## 14. Warnings

Please read these operating instructions carefully. We ask you to follow the instructions we have written down herein. This way you ensure your own safety and that of others, and maximize the lifespan of your EMQ e-bike.

Here is a short summary of the most important warnings:

- ! Do not extend the stem beyond the maximum height indicated on the stem itself.
- ! Do not extend the seat post beyond the maximum height indicated on the seat post itself.
- ! With unfolding, the chain goes from a relaxed to a tense state. Always do this with attention and policy: the chain must be given time and space to find the teeth of the sprockets properly again.
- ! If you are riding the EMQ e-bike for the first time, accelerate WITHOUT pedal assist. Only turn it on when you are already cycling. This way you get used to the electric pedal assistance carefully.
- ! Before you get off, turn off the support.
- ! Make sure that the battery is not completely discharged.
- ! The charging port cover must be closed properly after charging, otherwise moisture can get into the bike.
- ! Never try to remove the battery from the frame yourself.
- ! Check the pressure of the tyres regularly.
- ! If the headlight cover is broken, have it replaced as soon as possible by the EMQ dealer in your area.
- ! If you do not schedule the maintenance, or do so much too late, this will result in unnecessary wear and tear or actual stress on the bicycle? Then the warranty may expire.

## 15. Specifications of your EMQ e-bike

Model	EMQ v3.0+
Frame number	This is at the bottom of your bottom bracket / bracket and invoice *
Battery	24V, 10Ah, 240 Wh Lithium-ion
Engine	180-250W AKM front wheel motor
Display	APT LCD 500S
Maximum load	115 Kg
Support modes	3, 5 or 9 depending on your choice
Max Speed	25 km/h
Radius	35 – 65 kilometers **
Charging time	5 hours
Weight incl. battery	12.9 kg
Front lighting	Integrated, automatically based on ambient light
Rear lighting	Manual lighting on batteries 2x AAA
Pedals	Aluminum EMQ industry bearing folding pedals.
Wheel size	16 inch
Inner tube size	40-305
Chain guard	Open chain guard
Brake	Tektro v-brake + hand brakes with engine interruption
Sensor	Rotation sensor
Storage Temperature	Minimum 10°C – Maximum 25°C

\* The frame number can be found on your invoice and on the bottom bracket of your bike. A logbook is kept on the basis of the frame number. In it, the dealers link information and can keep track of reports made.

\*\* **CAUTION!** The maximum range is always displayed in the measured distance under ideal conditions: Cyclist weight: 75 kilograms, tyre pressure: 4 bar, flat and good road surface, outside the city, temperature 18-20 degrees, no headwind, constant speed of 18-20 km/h and with a brand new battery.



## 16. Warranty

Within the warranty period, your EMQ dealer will repair the defects free of charge in consultation with EMQ, in accordance with the applicable General Terms and Conditions. If something breaks, you can contact the dealer where you bought the bike.

If you cannot reach an agreement with the EMQ dealer, you can reach us at: +31-020-4110456 or send an e-mail to [service@emq.nl](mailto:service@emq.nl). Then we will make sure it is arranged.

Most parts of your EMQ e-bike are covered by the statutory warranty period of 2 years. This period applies to the electrical support (motor, battery, controller and display) and most other (separate) parts. The exception to this is the frame: here we go further and give you a 3-year warranty. The condition is that you present the EMQ e-bike in time and correctly for a service (see 13.2 Maintenance schedule), and that you can prove this. Do you have the maintenance done by a company that has no relationship with EMQ? No problem, but keep the invoices for this.

Wearing parts, such as brake pads, tyres, chain and sprockets, are not covered by the warranty. Malfunctions or defects caused by yourself are also not covered by the warranty. Please refer to the Terms and Conditions for a complete overview of the warranty and maintenance conditions.

The capacity / range of the battery decreases in proportion to the number of charging cycles and the age. This decrease in capacity is not covered by the warranty. The range given is only indicative and is very dependent on numerous factors, such as weather conditions, handling, the type of road on which the e-bike is used, maintenance, tyre pressure, the user and the load of the EMQ e-bike. The range is therefore outside the warranty.