



CARQON



Carqon Cargo Bikes

User manual

Carqon D2/E2



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Technical specifications

Size assembled	260 x 75 x 111 cm
Weight	60 kg/132 lb
Wheel base	200 cm
Frame	Aluminum
Rider height and weight	Approx. 1.60 - 2.05 m. Max weight 100 kg
Box	HDPE box with brushed aluminum look Cover 3M, non-slip bottom
Box size	Two kids + Maxi-cosi passenger (+ foldout bench)
Safety belts	Two three-point safety belts with non-slip pads
Gears (option 1)	Enviolo Stepless Gear Hub CVP-SP, 36h, Matte Black, Disc
Belt drive	Gates Belt CDX 125 Teeth, 11M-125T-12CTS
Gears (option 2)	Deore XT T8000-SGS 10SP - RD KMC front sprocket Direct Mount Chainring
Chain drive	KMC chain X10.93 1/2X11/128 116L
Drive unit	Bosch Performance CX mid-drive motor Gen4 Cargo Line
Battery	Bosch PowerPack Performance Frame 400Wh - optional 500Wh, dual battery option
Display	Bosch Purion Display with derailleur, or Bosch Intuvia Display unit with Enviolo
Brakes	Tektro Dorado HD-E730 - 4 Piston Hydraulic Disc-brakes
Saddle	Velo Saddle with handle
Lights	Front Spanninga Axendo 40, Rear Spanninga O-guard-XE + box design lightning
Spokes	GIX 13 Sapim strong single butted inox spoke
Wheel sizes	Front 20" and Rear 27,5"
Front Tire	Schwalbe Super Moto-X 62-406
Rear Tire	Schwalbe Super Moto-X 62-584
Rims	Ryde Andra 40
Lock	ABUS Shield 5650L
Front fork	Suntour SF20-MOBIE-A32-CGO-DS-15AH2-20
Seat post	Satori SORATA 31.6 * 280-400 mm Matt Black, 31.6 x 350
Handle bar	Satori Noirette (31,8 X 630mm x 35D matt black)
Stem	Satori-UP2 Plus EXT:65mm matt black
Cloche	OI Knog, black small
Pedals	VP-components, with BS reflector, unique sandpaper grip, E-bike special
Steering system	Double cable steering system

Highlights of Carqon



1. 27,5" Schwalbe Rear Wheel
2. Enviolo N380 Stepless SP-Gear Hub or Shimano Deraillieur
3. Rigid Aluminum Frame
4. Gates Belt Drive or KMC Chain Drive
5. Velo Saddle with Handle
6. Bosch Performance CX Gen 4 Cargo line motor
7. Double Cable Steering System
8. Bosch Dual Battery Option
9. Child Door with Security Lock
10. High Strong Box
11. Suspension Cargo Front Fork
12. Hydraulic Tektro Disk Brakes

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1 About this user manual

This user manual comes with the delivery of your Carqon cargobike. This user manual provides important information about the settings and usage of the cargo bike. Read all warnings and instructions in this user manual – in particular in the section “Safety” – with care before using the cargo bike. If you do not take note of the warnings and information in this user manual, this can lead to serious injuries and damage to the cargo bike. Keep the user manual at hand so that it is available at any time. If you pass the cargo bike on to third parties you must also provide the user manual. Carqon is not responsible for any writing or printing errors in this manual. Pictures and parts may differ from your purchased Carqon.

1.1 Identification of the warning instructions

The point of warning instructions is to draw your attention to possible dangers. The warning instructions require your full attention and understanding for statements. By not following a warning instruction, this can lead to injuring yourself or others. Warning instructions alone do not prevent hazards. Follow all warning instructions in order to avoid risks when using the cargo bike.

The warning instructions in this user manual have the following meanings:
















Note: This symbol and text block provides you with information about handling the Carqon in the user manual and should be read with attention.



Warning: This symbol and text block warns you of misuse which could result in damaging your Carqon and/or injuring yourself and/or others.

1.2 Symbols and signs

	Additional instructions concerning the guidelines for handling and use.
1.	Guidelines for actions with a specific sequence begin with a number.
·	Guidelines for actions and lists begin with a circle.
IPX4	This symbol indicates that the charging device is protected against spray water.
	This symbol indicates that the charging device corresponds to protection class II.
	Symbol for direct current
	Symbol for alternating current
	This symbol indicates that the charging device is equipped with a fuse.
	This symbol indicates that the charging device and the battery should not be unscrewed.
	This symbol indicates that the charging device should not be touched with wet hands.
	This symbol indicates that the battery should not be thrown into fire.
	This symbol indicates that the charging device should not be disposed of via the household rubbish. Dispose of the charging device at a suitable collection point for it to be disposed of in an environmentally-friendly manner.
	This symbol indicates that the battery should not be disposed of via the household rubbish. Remove the battery via a suitable collection point for environmentally-friendly recycling.
	This symbol indicates that the product can expose you to phthalates.
	This symbol indicates that you must read the user manual, wear a helmet and be aware of the dangers of night riding.
	This symbol indicates that the bike is a pedalled Class 1 with a motor wattage of 250 W and a top assisted speed of 20 mph.

1.3 Units and their significance

In this user manual or on components of your cargo bike you will find the following units:

Unit	Significance	Unit for
°	Degree	Angular measurement
°C	Degrees Celsius	Temperature
°F	Degrees Fahrenheit	Temperature (USA)
1/s	Per second	Revolutions
"	Inches	Unit of length (USA) 1 inch = 2.54 cm
bar	Bar	Pressure
g	Grams	Mass (weight)
h	Hours	Time
Hz	Hertz	Frequency
kg	Kilogram	Mass (weight)
km/h	Kilometer per hour	Speed
kPa	Kilopascal	Pressure
mi	Miles	Length unit (USA) 1 mi = 1,609 km
mph	Miles per hour	Speed
Nm	Newton meter	Torque
psi	Pound per square inch	Pressure (USA)

1.4 Proper use

Carqon as a company or Carqon dealers accept no responsibility for damage which has arisen through improper use. Only use the cargo bike as described in this user manual. Any other use is deemed to be improper and can lead to accidents, serious injury and damage to the cargo bike.

The cargo bike is only intended for use on roads and paths with a smooth surface. Any use on unfinished paths which have not been covered in asphalt, cement or plaster may lead to damage to the cargo bike. The first inspection is part of the proper use of the cargo bike (see section "First inspection and maintenance" on page 56) and must be carried out at least 2 months after purchase of the cargo bike or after the first 100 km/62 mi of riding, whichever comes soonest. The cargo bike is not designed for use with an above-average load, i.e. use for racing and competitive events is not deemed to be proper use. In order to use the cargo bike properly in road traffic, you must know, understand and take note of the state-specific and regional regulations.

1.5 Maximum permissible total weight

The cargo bike has a maximum permissible total weight of 225 kg/496 lb which you must take note of when using the cargo bike. Please note the details in the following table.

Model	max. permitted weight of box	max. allowed weight of saddle	max. weight of luggage carrier
Carqon	75 kg/165 lb	100 kg/220 lb	25 kg/55 lb

- You will reduce your risk of accident and injury and your risk of damaging the cargo bike, if you always take note of the maximum permissible total weight of the cargo bike.
- You must also take the weight of the bike (60 kg/132 lb) into account
- You must also take the additional weight of the battery (4 kg/9 lb per battery) into account.
- Do not use the cargo bike if screw connections are loose.
- Tighten screw connections with the correct torques.



Warning: If screw connections are not tightly screwed, this may cause material fatigue.

Torques must be taken into account when tightening the screw connections. For this reason, a torque key with a corresponding settings zone is required. If you are not experienced in using torque keys or if you do not own a suitable torque key, have the screw connections checked by a Carqon dealer. The correct torque of a screw connection depends on the material and the diameter of the screw as well as the material and the construction of the components.

- Individual components of the cargo bikes are labelled with details on the torques or markings for the insertion depth. Please note these details and markings.
- Not all components are listed in the following table.
- The torque details are basic values.
- For other components, request the relevant torque or read the accompanying user manual for the components.

Screw components (where applicable)	Torque in Nm
Pedal crank (steel/aluminium)	30–40
Pedal	30
Thru axle	15
Seat (adjustment screw) M6/M8	14–20
Seat tube clamp M5/M6	5–10
Brake and gear lever on the handlebar	3–5
Handlebar stem with inner clamp (expander bolt shaft stem)	25–30
Optional luggage carrier (all screws and nuts)	10

1.6 Rotational direction of screws

- Tighten the screws, quick-release axles and cotter pin nuts in a clockwise direction.
- Loosen the screws, quick-release axles and cotter pin nuts in an anti-clockwise direction.

1.7 Seating position

An incorrect seating position can lead to muscular strains and joint pain. If you are not sure how to set up the seating position, contact Carqon customer services or your Carqon dealer. An incorrect seating position means that the accessibility of the control elements on the handlebar are restricted. If you are not sure how to set up the seating position, contact your Carqon dealer. In order to control the cargo bike safely, the seating position must be adapted to your individual needs.

1.8 Wear and tear

Excessive wear, material fatigue or loose screw connections can cause malfunctions which will cause accidents or falls. Therefore;

- Check the cargo bike regularly for wear.
- Do not use the cargo bike if cracks, deformities or color changes (due to material fatigue or heavy rust). are present.
- Do not use the cargo bike if excessive wear or loose screw connections are present.
- Have the cargo bike checked immediately by a Carqon dealer if excessive wear, loose screw connections, cracks, deformities or color changes (due to material fatigue or heavy rust). are present.

As with all mechanical components, cargo bikes are exposed to wear and high levels of strain. Different materials may react differently to wear or degradation caused by exposure to strain. All types of cracks, stretch marks and color change (due to material fatigue or heavy rust) show that the service life of the components has expired. Worn components must be replaced.

Wear to components made from aluminium or composite materials can only be assessed by a Carqon dealer. For frames, forks and running wheels made from composite materials, hard knocks, shocks and tension can damage. The inner structure of materials can be changed to its detriment without this being visible.

2 Safety



Warning: In general, always be aware and careful while using your Carqon cargo bike, especially when transporting children.

This section contains information on how to use your cargo bike in a safe way. Please read this section carefully to learn more about safe usage of your Carqon bicycle.

2.1 Instructions for safe use

You will reduce your risk of accident and injury if you take note of the following instructions for using your cargo bike safely:

- Only use the cargo bike if you are familiar with all of its operational features and functions.
- Only use the cargo bike in the manner described in the instructions for proper use.
- When riding, always remain seated on the saddle.
- When riding always ensure that the cargo bike is stable.
- Do not allow persons with insufficient, sensory or mental capacities, lack of experience and knowledge to use the cargo bike.
- Do not allow children to play with the cargo bike.
- If you do not possess the necessary knowledge and the required tools to make adjustment and repairs, have them carried out by a Carqon dealer.

2.2 General safety instructions

In the interest of your safety, note the following safety instructions:

- Wet, slippery or dirty riding tracks may extend the braking distance.
- Adapt your riding style and speed to the weather and the surface conditions.
- Moving parts of the cargo bike may trap clothing and body parts.
- Do not allow any loose garments to hang down, e.g. no laces or jacket belts.
- Always wear tight fitting clothing on your legs or use bicycle clips.
- Prior to cleaning or servicing, secure all moving parts of the cargo bike.
- Wear shoes with slip-resistant soles.
- Incorrect or improper use of the cargo bike may cause components of the cargo bike to wear more quickly or to break.
- Do not ride over staircases or other ledges with the cargo bike.
- Do not ride over ramps or bumps in the ground on the cargo bike.
- Do not use the cargo bike to ride downhill at speed.

- Do not ride through deep water on the cargo bike.
- The maximum permissible total weight for the total cargo bike is 225 kg/496 lb.
- Make sure your kids are tightened in the three point belt when riding.
- Do not leave unattached attributes loose in the box while driving.

Safety instructions on the charging device

Incorrect use of electricity and components, which are electrical conductors, may lead to electric shock and serious injury.

- Check the charging device, mains cable and mains plug for damage before every use.
- Do not use the charging device if you discover or suspect damage.
- Only use the charging device indoors with supervision.
- Only connect the charging device to properly installed plugs.
- Do not allow the charging device to get into contact with water and other liquids.
- Incorrect use of the charging device may cause damage.
- Position the charging device only on fire-resistant material when charging.
- Only charge the original battery with the original charging device.
- After charging, always pull the main plug out of the socket.
- Note the additional safety information on the charging device.

Safety instructions on the battery

- Damage to the battery may lead to overheating and to the emission of gases and liquids.
- Always keep the battery away from the vicinity of fire and heat.
- After a fall or impact, have the battery checked by a Carqon dealer. Do not open, dismantle, drill through or deform the battery or the battery housing. Lithium which is emitted from a damaged battery may damage the skin or eyes.
- Only touch damaged batteries with protective gloves. Incorrect use may cause the battery to become damaged.
- Do not charge the battery if it might be damaged.
- Only charge the battery with the original charging device.
- Keep the battery away from fire and other sources of heat.



Warning: If the battery catches fire, gases or liquids such as hydrofluoric acid, which are emitted, it may lead to very serious injury.

2.3 Safety in road traffic

You will increase your level of safety when using the cargo bike in road traffic, if you note the following general safety instructions:

- Only use the cargo bike in road traffic if the equipment corresponds to the country-specific road traffic regulations.
- Take note of and follow the country-specific and regional road traffic regulations.
- When riding, wear a bike helmet which corresponds to the country-specific and regional regulations and which has been inspected according to the DIN EN 1078 standard and which bears the CE test mark.
- When riding, wear light clothing with reflective elements.
- Do not use the cargo bike if you have taken alcohol, drugs or medicines which may have an impairing effect.
- Do not use mobile devices when riding, e.g. phone or MP3 players.
- Do not allow yourself to become distracted during your journey by other activities, e.g. switching on the light.
- Never ride the bike hands free.

You will increase your safety in road traffic if you also adhere to the following instructions:

- Seek information on the relevant regulations governing road traffic for the state or the region, e.g. from the Ministry for Transport.
- Always continue to look for information about amended content of the valid regulations.
- Ride carefully and with consideration for other road users.
- Ride in such a way that no-one is injured, endangered, disabled or annoyed.
- Always use cycle paths intended for bikes.
- Cargo bikes must be equipped with two independent brakes and a bell if they are going to be used in road traffic.

2.4 Transporting children in the box

The additional weight will change the riding characteristics of the cargo bike. Take note of the maximum permissible total weight (225 kg/496 lb). When carrying children, note the following instructions:

- After installing the child seat, ensure that you are familiar with the changed riding characteristics of the cargo bike. Try it out first outside the road traffic.
- You must be at least 16 years old to transport a child in the transport box or in the child seat.
- Only carry a child in the transport box or in the child seat if the child is wearing a suitable bike helmet which is compliant with the country-specific and regional regulations or which has been checked pursuant to the DIN EN 1078 standard and which bears the CE test mark.

- Brake earlier, plan for a longer braking distance and heavier steering.
- Practice mounting and dismounting away from road traffic.
- Practice correct behavior during the ride with your child.
- Ride proactively and defensively.
- Only lift children into the transport box or only allow children to enter the transport box if the cargo bike is secured against rolling away.
- Park the cargo bike on the prop stand (see section “Prop stand” on page 53).
- Always use the safety belt to secure children in the transport box.
- Ensure that children do not allow any body parts to protrude from the transport box. Ensure that children remain strapped in during their journey in the transport box. Ensure that the weight distribution in the transport box is as balanced as possible.

Transporting newborns and toddlers in the transport box

You can find information on the Carqon website or from your Carqon dealer about the availability of seats for babies, small children and children in your country.

Age	Accessory
from 3 to 10 months	Carqon Maxi-Cosi carrier
from 8 to 18 months	Carqon toddler seat
From 18 months	Carqon seat cushion

The Maxi-Cosi carrier is fastened to the front of the inside of the transport box with a special bracket. Small child seats and infant carriers can be fastened to the bench in the transport box.

You will receive installation guides with the newborn and toddler seats. If you do not possess the necessary knowledge and the required tools to install the infant carrier and toddler seats in the transport box, have the installation carried out by a Carqon dealer.



Carqon Toddler Seat



Carqon Maxi-Cosi Adapter



Carqon Seat Cushion

2.5 Replacing bike components

Replacing bike components or incorrect replacement parts may cause the cargo bike to malfunction. Only use original replacement parts. Even if you take note of all safety and warning instructions, you may be at risk of the following unforeseeable residual risks when using the cargo bike:

- Unforeseeable road characteristics, e.g. slipperiness caused by black ice.
- Unforeseeable material defects or material fatigue may cause breakage or malfunctioning of the bike components.
- Ride proactively and defensively.
- Check the cargo bike regularly for cracks, stretch marks, color changes (due to material fatigue or heavy rust), or damage to the components.
- Before each journey, check the function of the safety-related components such as the brakes.
- Have the cargo bike checked for damage by a Carqon dealer after a fall or an accident.

2.6 Misuse of cargo bikes

In order to use your Carqon, do not misuse it in the following ways:

- Using the cargo bike for competitions, jumps, stunts or tricks.
- Improper repairs and maintenance.
- Improper use of the battery.
- Structural modifications to the original condition of the cargo bike, particularly the tuning and any other manipulation of the cargo bike.
- Opening and amending any component of the cargo bike.
- Charging the battery outside the temperature range indicated in the Bosch original user manual (optimal charging temperature +15 to +25 °C/59 to 77 °F).
- Exhaustive discharge of the battery as a result of not charging the battery for more than 3 months or improper storage of the battery outside the optimal storage temperature of +10 to +20 °C/50 to 68 °F.

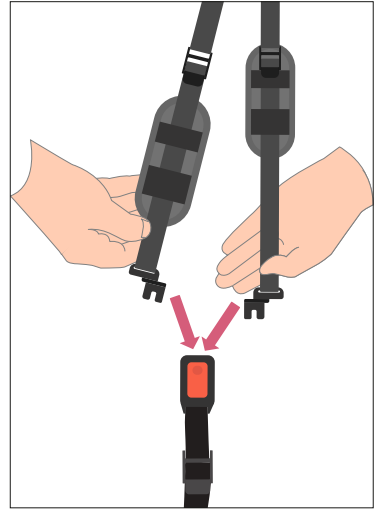


Warning: The guarantee can be canceled due to improper use of your Carqon. Follow the safety instructions.

2.7 Fastening and opening the three-point belt

We strongly recommend to use the three-point safety belts for transporting children. By default two three-point belts are installed inside the box of your Carqon.

- Fasten the belts over the child's shoulder.
- Place the shoulder pads at the level of the child's collarbone.
- Bring the ends of the belt together and snap it into the belt holder.
- Pull the belt tight by using the straps of the belts.



Warning: A maximum of one adult's hand may fit between the belt and the child's collarbone.

3 Basic settings

The following section provides you with information about how to check your cargo bike prior to begin your Carqon journey, how to adjust the seating position and how you can make other basic adjustments.

3.1 Before making your first journey

Carqon and your Carqon dealer fully assembled and set up your cargo bike. Your cargo bike is therefore ready to ride. Learn the important functions of the cargo bike prior to your first journey.

- Acquaint yourself with the riding characteristics of your cargo bike away from road traffic.
- If you are unaccustomed to the assignment of the brake lever of the front wheel or rear wheel brake, have the assignment of the brake lever amended by a Carqon dealer.
- Acquaint yourself with the braking characteristics of the brakes, away from traffic and at low speed.
- Your Carqon bike has hydraulic disk brakes. Operate both brake levers several times so that the brake pads are centered in the brake caliper.
- Practice using the gear shift away from traffic, so that you can operate the gear shift in such a way that your attention to road traffic is not distracted.
- Check whether you can also assume a comfortable seating position for longer journeys and that you can safely operate all of the components on the handlebar.

3.2 To be checked before every journey

- Check the cargo bike for damage and excessive wear prior to every journey.
- Do not use the cargo bike if you notice damage or excessive wear.
- Have damaged or worn components replaced by a Carqon dealer.
- Check that all of the parts of the transport box are correctly secured.
- Check that it's easy to switch through the gears and that they do not make any noise.
- The frame, fork and seat tube. Visual check: No cracks, deformities or changes in color (due to material fatigue or heavy rust). to the frame, fork or seat tube must occur.
- Quick-clamping equipment. Check that all quick-clamping equipment is firmly closed and correctly secured.
- Check the pre-tensioning of all quick-clamping equipment.
- The screw and socket connections. Visual check: The screw and socket connections must be correctly closed.
- Check whether the pedal drive is working and is correctly secured.
- Check whether the headlights and rear lights are working.

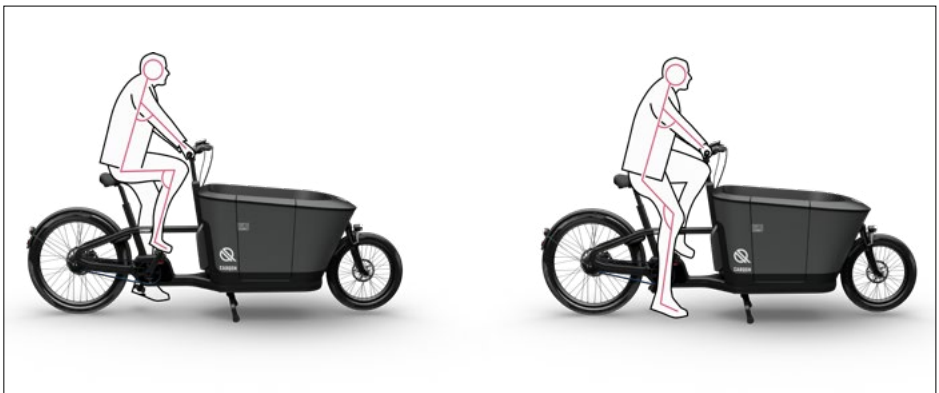
- Check whether the bell produces a clear sound.
- Check that the handlebar and the handlebar stem are securely positioned.
- Visual check: No cracks, deformities or color change (due to material fatigue or heavy rust) must be present on the handlebar or handlebar stem.
- Check the tire pressure (see section “Tire pressure” on page 50). Check the tires for cracks and sharp parts.
- The rims and spokes. Visual check: No cracks, deformities or excessive wear must be present. Check the spokes to ensure they are evenly tensioned.

3.3 Adjusting the seating position

Finding the optimal seating position depends on the rider’s body size, the frame size and frame geometry of the cargo bike and the settings of the handlebar and the seat. An incorrect seating position may mean that you can only reach the control elements on the handlebar to a limited extent. The seating position can be adjusted correctly by a Carqon dealer.

Significant features of a suitable seating position are:

- If a pedal is up, the knee angle of the upper arm and the crook of the arm is 90 degrees.
- The lower leg is slightly bent.
- If a pedal is to the front, the knee is located above the axle of the front pedal.
- The arms are relaxed and slightly bent outwards.
- The back is not in a vertical position in relation to the seat tube, but should point slightly forward.



3.4 Adjusting the seat height

Your cargo bike is equipped with a quick release clamp (1). You can adjust the height with the clamp bolt and/or the quick release clamp

3.4.1 Opening and locking the quick release

Swing the quick-release lever outward. Adjust the seat tube to the desired height. Note the instructions for the minimum insertion depth on page 23. Rotate the quick release lever inward until it is against the seat tube in order to close the seat tube clamp. If you are not able to swing the quick-release lever to the seat post, you can reduce the pre-load by turning the adjusting screw in an anti-clockwise direction. Rotate the quick release lever inwards once again until it is connected to the seat post, in order to close the seat tube clamp.



- Check whether the seat can not be turned.
- Check whether unusual sounds are emitted when opening or locking the quick release.
- Remove any soiling from the quick release with the help of a clean cloth.

If the quick release is not properly locked to the seat tube, the seat may become loose or be released during your ride. Before riding away, ensure that the quick-release lever is locked with sufficient pre-tension by tightening of the clamp bolt and is connected against the seat-tube. If you operate the quick release in an improper manner, you may squash your fingers or other body parts. Therefore always operate the quick release with care.

3.4.2 Opening the quick release:

- Pull the quick-release lever (1) outwards from the corresponding frame part in order to open it.

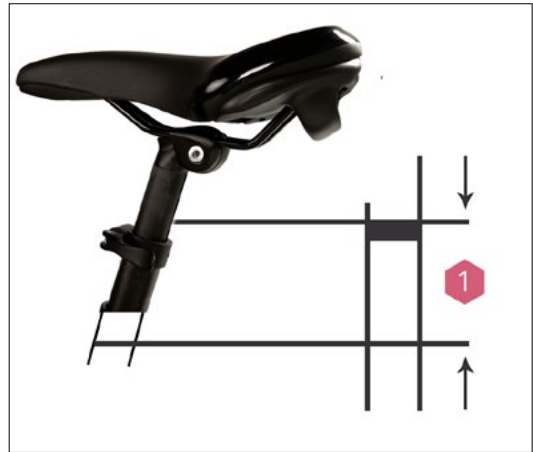
3.4.3 Locking the quick release:

- Push the quick-release lever (1) in the direction of the corresponding frame part so that it is against the seat post, in order to lock the quick release.
- If you notice that the seat tube is not firmly fastened while the quick release is closed, adjust the quick release correctly.

3.5 Minimum insertion seat tube

There is a marking on the seat tube which shows the minimum insertion depth for the seat post, which is necessary to ensure safe usage of the seat tube. The seat tube may slip or break if the minimum insertion depth is exceeded.

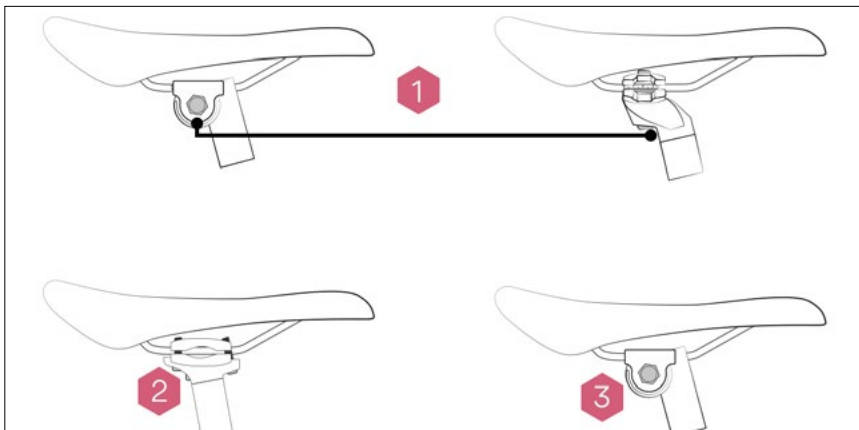
- Take note of the minimum insertion depth of the seat tube.
- When adjusting the seat height, note that the marking (1) on the seat tube is not visible.



3.6 Adjusting the seat position

In order to achieve a suitable seating position you can adjust the seat inclination on your cargo bike and the distance to the handlebar.

1. Turn the screw (1) or the screws (2) or (3) below the saddle one to two rotations in a clockwise direction.
2. Position the saddle in such a way that you assume a suitable seating position and so that you are able to operate all of the components on the handlebar safely during the journey.
3. Tilt the saddle in such a way that you can adopt a suitable seating position. A horizontal seating position is recommended. For seat tubes with 2 or 3 screws, you can set the inclination by turning the loosened screws against one another.
4. Pull the screw(s) beneath the seat in a clockwise direction, taking account of the torques.
5. Check whether you are able to move the seat.



3.7 Replacing components

If you are not able to find a suitable seating position by adjusting the seat, you can achieve a suitable seating position by replacing components. Components which can be replaced for this purpose are:

- The seat tube
- The seat
- The stem and the handlebar
- The pedal cranks

If it is not possible to adjust the seating position, you can have components with different measurements, or you might look for alternative components with different specifications, installed by a Carqon dealer.

3.8 Noting the rotational direction of the screws

Turn in an anti-clockwise direction to loose the cotter pin nuts, screws and shafts. If there are deviations from this rule, the relevant rotational difference will be indicated in the corresponding section.



Warning: Incorrect tightening of screw connections can lead to material fatigue and broken connections.

4 The Carqon Box

The Carqon box constitutes the main difference between a cargo bike and an ordinary bike. In order to protect the children and luggage, Carqon recommends using a raintent, a rain cover and/or a box cover. If you want to install additional accessories but lack the necessary knowledge and required tools, please have your additional accessories installed by a Carqon dealer.

4.1 Transporting children in the box

Up to three children can be transported in the box. Two children can be seated on the bench and one baby can be transported by using the Maxi-Cosi adapter.

- Always use the safety belt to secure children in the box.
- Ensure that children wear a suitable bike helmet when riding which corresponds to the country-specific and regional regulations or which has been tested according to the standard DIN EN 1078 and which bears the CE test mark.



- | | | | |
|---|------------------------|---|-------------------|
| 1 | Child door lock | 3 | Carqon box lights |
| 2 | Carqon reflective logo | 4 | Second inner lock |

- Ensure that children do not allow any body parts to protrude from the box.
- Ensure that children remain strapped in during their journey in the box.
- Ensure that the maximum permitted total weight (total weight permitted in the box is 75 kg/165 lb) is not exceeded (see section “Maximum permissible total weight” on page 12) and that the weight distribution in the box is as balanced as possible.



Warning: Always use the safety belt(s) to secure children in the box and ensure that children wear a suitable bike helmet when riding the bike.

4.2 Using the door in the box

For safety purposes, the lock on the outside of the box has been placed relatively low, which makes it very hard for children to open the door when they are strapped in the safety threepoint belts. Besides, the door is equipped with a second safety lock on the inside of the door.

- Only open the door when the bike stands still and on the pop stand on a stable surface.
- Only open the door if the surroundings allow to get off safely.
- You can open the door by using the door handle, which is located on the outside of the box.
- Additionally use the second lock, which is located on the inside of the box. It's impossible for children to open the door, when they are using the safety belts properly.

4.3 Cleaning the box

The cleaning frequencies are guidelines. The frequency can be adjusted based on the circumstances. For light forms of pollution, use water with a standard cleanser, with a sponge or a non-abrasive nylon brush. In areas with normal contamination cleaning is advised at least once a month. Using the bike in areas with a higher degree of pollution, like city centers, industrial areas, airports, are advised to clean the box twice a month.

The cleanser must meet the following criteria:

- No abrasive effect, low alkaline or acidic (a pH value between 6 and 8).
- Free from strong solvents or alcohol, these substances can damage the film.
- The water must not be warmer than 80 °C/176 °F.

If you want to use cleaning with the help of high pressure, consider the following:

- Maximum water temperature: 80 °C/176 °F.
- Minimum distance: 30 cm away from the object.
- Maximum pressure of the water jet: 80 bar/1160 Psi.
- Spray angle: Always aim the water jet at the object at an angle of 90 degrees.
- Never aim the water jet completely flat on the edges of the object.

4.4 Small scratches in the foil

Small scratches in the foil can in many cases be removed by heating with a warm blower. Note: The temperature of the surface to be treated must not exceed 50 °C. Besides, don't move the blower closer by then 10cm from the foil to prevent melting of the foil.

- The best effect is achieved by constantly moving the blower back and forth above the scratches.
- Do not keep the blower too long at one specific point of the object. This may cause damage to the surface.
- For larger deep scratches it is advisable to have the foil on that part possibly replaced. Contact a specialized wrapper if replacement is desired.

5 Driving instructions

This section contains information on the basic characteristics and components of electric-assisted cargo bikes. Unlike a non-electric pedal-operated bike, an electric cargo bike features the following additional components:

- Drive system (motor)
- Battery (single or dual)
- Operating unit/Controller
- Display
- Charging device

Specific cargo bike components lead to significant differences compared to a normal passenger bike. The cargo bike has a significantly higher weight and a different weight distribution than a normal passenger bike. Also the additional electrical components lead to significant differences between an electric cargo bike and a non electric pedaloperated cargo bike. The bike's average speed will increase as a result of the electrical drive components and the electrical drive has a significant influence on the braking behaviour. Cargo bikes require in general a higher braking force, because of the cargo bike's weight and the extra load. This may mean that the level of wear is greater than with conventional bikes. All of the above elements will change the riding behaviour. Familiarize yourself with the riding and braking behaviour of the cargo bike away from road traffic.

Note that other road users will be required to adapt to the higher speed of the cargo bike.

5.1 Tuning or manipulations

The battery and battery charging device requires specific expertise. Do not make any modifications to the drive system or any additional components of your cargo bike in order to keep your warranty'. This will change the riding behaviour. By tuning your cargo bike, irreparable damage may occur. The frames, wheels and brakes are not designed for higher speed. Any change to the drive system or other components will cause the guarantee or other claims for replacement to become void.



Warning: Tuning or manipulations made to your Carqon may have a negative influence on behavior and may lead to accidents and injuries.



Warning: When modifications to the drive system of the cargo bike are made, you run the risk of losing your warranty.

5.2 Electrical drive system

Your Carqon is equipped with a Bosch Performance CX GEN4 Cargoline motor. This electrical drive system is exclusively designed to operate your cargo bike and may not be used for other purposes.

5.2.1 Cycling with electrical pedal assistance

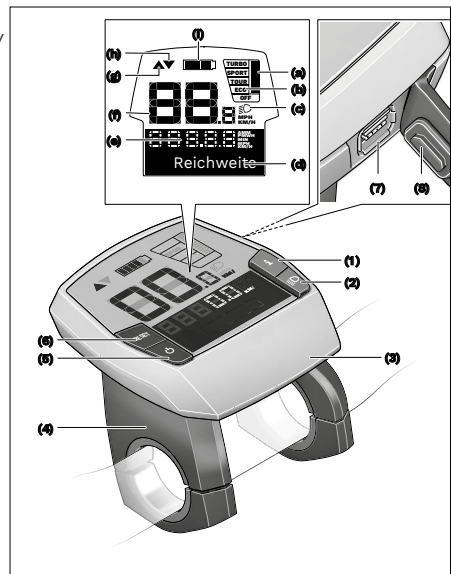
We recommend that you first try out the Carqon cargo bike in a quiet environment and without children. This way you can get used to your Carqon.

- Only switch on the pedal assistance when you feel safe and secure.
- Pay attention when steering, we recommend reducing speed before steering.
- The pedal support is interrupted when you stop pedalling. As soon as you start pedalling again, the support switches on again automatically. Cycling with your Carqon is, if the pedal assistance is switched on, different from a non-electric (cargo) bike.
- The pedal assistance is legally limited at a speed of 25 km/h.
- When the pedal assistance is turned off, the Carqon cycles heavier than a non-electric cargo bike. This is due to the weight of the electric components.
- Never walk with the pedal assistance switched on, as the Carqon cargo bike can suddenly accelerate if you accidentally bump into the pedals.
- If you still want to switch on the pedal assistance while walking, use the walk-assist function.
- Stop pedalling while braking and try to brake simultaneously and evenly with both brake levers.
- Switch off the support in case of a poor or slippery road surface.

5.3 Bosch Intuvia Display

For a detailed explanation of the Bosch motor, display and battery, please read to the enclosed Bosch manual, or to bosch-ebike.com. You may skip this section in case you have the Bosch Purion display (see page 32).

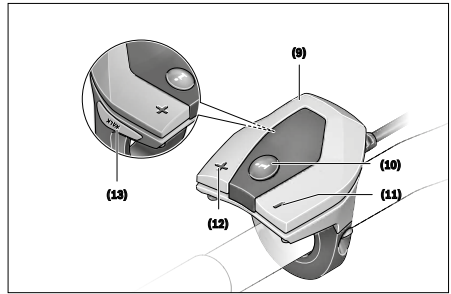
1. Display function button *i*
2. Bike light button
3. On-boardcomputer
4. Holder for on-boardcomputer
5. On/off button for on-boardcomputer
6. Reset button
7. Micro USB port (service purposes only)
8. Protective cover for the USB port
9. Operating unit
10. Display function button *i* on the operating unit
11. Decrease assistance level/scroll down button



12. Increase assistance level/scroll up button
13. Push walking assistance button

5.3.1 Switching the Carqon system on and off

Only switch on the drive system if you are sitting on the cargo bike. To switch on the on-board computer, briefly press the on/off button (5). The on-board computer can also be switched on when it is not inserted in the holder (if the internal battery is sufficiently charged).



To switch off the on-board computer, press the on/off button (5). The system shuts down after being switched off; this takes approximately three seconds. It cannot be switched back on until shutdown has been completed. If the Carqon doesn't move for about 10 minutes and no button is pressed on the on-board computer, the Carqon system switches off automatically in order to save energy.



Note: Always switch off the Carqon system when you park the Carqon.

The extent of the assistance will be automatically set depending on:

- Selected level of assistance.
- Pedalling force.
- Load and speed.
- Terrain.

The electrical drive will assist you when pedalling up to a speed of 25 km/h or 15.5 mph. If you reach a higher speed than 25 km/h or 15.5 mph, the electrical drive will automatically switch off. If the speed falls below 25 km/h or 15.5 mph, the electrical drive will once again automatically switch on. If the on-board computer is not inserted in the holder, it automatically switches off after 1 minute to save energy if no button is pressed. If you are not going to use your Carqon for several weeks, remove the on-board computer from its holder. Store the on-board computer in a dry environment at room temperature. Recharge the onboard computer's battery on the bike.

5.3.2 Setting the assistance level

On the operating unit (9), you can set the level of assistance you want while pedalling. The assistance level can be changed at any time, also while cycling. The following assistance levels are available as a maximum:

- OFF: Motor assistance is switched off. The Carqon can just be moved by pedalling, as with a normal bicycle. The walk assistance cannot be activated at this assistance level.
- ECO: Light assistance with maximum efficiency, for maximum range.
- TOUR: Steady assistance, with a long range for touring.
- SPORT: Powerful assistance for cycling in urban areas.
- TURBO: Maximum assistance for maximum speed or when driving uphill

To increase the assistance level, press the + button (12) on the operating unit repeatedly until the required assistance level appears on indicator (b). To decrease the assistance level, press the – button (11). The requested motor output is displayed in the indicator (a). The maximum motor output depends on the selected assistance level. When the on-board computer is removed from the holder (4), the assistance level that was last displayed is saved; the motor output indicator (a) remains empty.

5.3.3 Switching bike lights on/off

The front and rear lights can be switched on and off at the same time via the on-board computer with button (2). When the lighting is switched on, <Lights on> appears and when the lighting is switched off, <Lights off> appears for about one second on the text indicator (d). The lighting symbol (c) is displayed when the light is on. The on-board computer saves the light status and activates this saved status accordingly after a restart. Switching the bike light on and off has no effect on the back lighting of the display. The front of the box of your Carqon is equipped with LED-light. This is an extra LED-light, which is switched on automatically when the frontlight is activated.

5.3.4 Switching the push walk assistance on/off

The push walk assistance helps you to push your Carqon while walking with the bike in your hands. The speed in this function depends on the selected gear and can reach a maximum of 6 km/h. The lower the selected gear, the lower the speed of the push walking assistance function (at full power). The push walking assistance function must only be used when pushing the Carqon. There is a risk of injury if the wheels of the Carqon are not in contact with the ground while using the push walking assistance. To activate the push walking assistance, briefly press the walk button (13) on your onboard computer. After activation, press the + button within 3 s and keep it pressed during the time you need support while walking.

Note: The push walking assistance cannot be activated at assistance level OFF.

The push walking assistance is switched off as soon as one of the following occurs:




- You release the + button.
- The wheels of the Carqon are locked (e.g. by applying the brakes or hitting an obstacle).
- The speed exceeds 6 km/h. The push assistance function is subject to local regulations; the way it works may therefore differ from the description above, or the function may even be deactivated completely.



Warning: Don't use the push walking assistance longer than necessary. By using it for an unnecessary long term, the drive system might overheat.

5.3.5 Battery charge indicator

The battery charge indicator (i) displays the state of charge of the bike's battery, not that of the on-board computer's internal battery. The state of charge of the battery can also be checked on the LED's of the battery itself. Each bar of the battery symbol on the indicator (i) represents approximately 20 % of the capacity:

-  The battery pack is fully charged.
-  The battery pack should be recharged.
-  The LEDs of the battery charge indicator on the battery go out.

Once the capacity for assisting the drive has been used up, the assistance is gently switched off. The remaining capacity is still available for the lighting and the onboard computer, the indicator flashes. The remaining capacity of the e-bike battery is enough for about two hours of lighting. This does not account for other consumers (e.g. automatic gearbox, charging external devices at the USB port). If the on-board computer is removed from the holder (4), the last displayed state of charge of the battery is saved. If your Carqon is powered by two batteries, the battery charge indicator displays the state of charge of both batteries.

5.3.6 Placing and removing the on-board computer

To place the on-board computer (3), slide it forwards into the holder (4). To remove the onboard computer (3), press the locking mechanism (1) and slide the on-board computer forwards out of the holder (4).



The on-board computer can be secured in place to prevent it from being removed from the holder. To do so, remove the holder (4) from the handlebars. Put the onboard computer in the holder. Screw the locking screw (M3 thread, 8 mm long) from below into the thread provided in the holder. Mount the holder back onto the handlebars. Note: The locking screw is not designed to prevent theft but just as a useful smart trick.

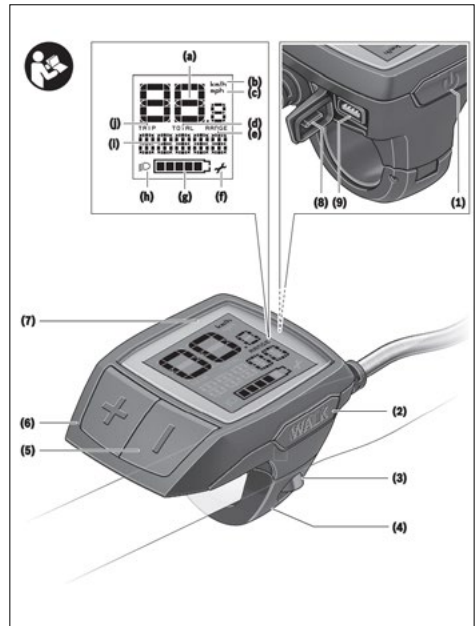
5.4 Bosch Purion Display

For a detailed explanation of the Bosch motor, display and battery, please refer to the enclosed Bosch manual, or to bosch-e-bike.com. You can skip this section in case you have the Bosch Intuvia Display.

1. On/off button for on-board computer
2. Push walking assistance button
3. Fastening screw for on-board computer
4. Holder for on-board computer
5. Decrease assistance level button-
6. Increase assistance level button+
7. Display
8. Protective cap for USB port
9. Micro USB port (for service purposes only)

Display elements of on-board computer

- a. Speedometer
- b. Km/h unit indicator
- c. Mph unit indicator
- d. Total distance indicator (TOTAL)
- e. Range indicator (RANGE)
- f. Service indicator
- g. Battery charge indicator
- h. Illumination indicator
- i. Assistance level indicator/value indicator
- j. Trip distance indicator (TRIP)



5.4.1 Switching the Carqon system on and off

Only switch on the drive system if you are sitting on the cargo bike. The following options are available for switching on the system:

- Press the on/off button (1) of the on-board computer with the battery inserted.
- Press the on/off button of the cargo bike battery (see battery operating instructions).

The drive is activated as soon as you start pedalling (except if you are using the push-assistance function or if the assistance level is set to OFF). The motor output depends on the settings of the assistance level on the on-board computer. As soon as you stop pedalling, when in normal operation, or as soon as you have reached a speed of 25 km/h or 15.5 mph, the Carqon drive switches off the assistance. The drive is automatically reactivated as soon you start pedalling again and the speed is below 25 km/h or 15.5 mph.

The following options are available for switching off the Carqon system:

- Press the on/off button (1) of the on-board computer with the battery inserted.
- Press the on/off button of the cargo bike battery (see battery operating instructions).

5.4.2 Setting the assistance level

On the on board computer (9), you can set the level of assistance you want while pedalling. The assistance level can be changed at any time, even while cycling. The following assistance levels are available as a maximum:

- OFF: Motor assistance is switched off. The Carqon can just be moved by pedalling, as with a normal bicycle. The walk assistance cannot be activated at this assistance level.
- ECO: Light assistance with maximum efficiency, for maximum range.
- TOUR: Steady assistance, with a long range for touring.
- SPORT: Powerful assistance for cycling in urban areas.
- TURBO: Maximum assistance for maximum speed or when driving uphill.

The extent of the assistance will be automatically set depending on:

- Selected level of assistance.
- Pedalling force.
- Load and speed.
- Terrain.

The electrical drive will assist you when pedalling up to a speed of 25 km/h or 15.5 mph. If you reach a higher speed than 25 km/h or 15.5 mph, the electrical drive will automatically switch off. If the speed falls below 25 km/h or 15.5 mph, the electrical drive will once again automatically switch on. To increase the assistance level, press the + button (6) on the operating unit repeatedly until the required assistance level appears on indicator (i). To decrease the assistance level, press the – button (5). The requested motor output is displayed in the indicator (i). The maximum motor output depends on the selected assistance level. When the on-board computer is removed from the holder (4), the assistance level that was last displayed is saved; the motor output indicator (i) remains empty.

5.4.3 Switching bike lights on/off

The front and rear lights can be switched on and off at the same time via the on-board computer by pressing the + button (6) for a few seconds. When the lighting is switched on, the illumination indicator will appear (h) on the display and when the lighting is switched off, the illumination indicator will disappear (h). The on-board computer saves the light status and activates this saved status accordingly after a restart. Switching the bike light on and off has no effect on the back lighting of the display. The front of the box of your Carqon is equipped with LED-light. This is an extra LED-light, which is switched on automatically when the frontlight is activated.

5.4.4 Switching the push walking assistance on/off

The push walk assistance helps you to push your Carqon. The speed in this function depends on the selected gear and can reach a maximum of 6 km/h. The lower the selected gear, the lower the speed of the push walking assistance function (at full power). The push walking assistance function must only be used when pushing the Carqon. There is a risk of injury if the wheels of the Carqon are not in contact with the ground while using the push walking assistance. To activate the push walking assistance, briefly press the walk button (2) on your onboard computer. After activation, press the + button within 3 s and keep it pressed.

Note: The push walking assistance cannot be activated at assistance level OFF.

The push walking assistance is switched off as soon as one of the following occurs:

- You release the + button;
- The wheels of the Carqon are locked (e.g. by applying the brakes or hitting an obstacle);
- The speed exceeds 6 km/h. The push assistance function is subject to local regulations; the way it works may therefore differ from the description above, or the function may even be deactivated completely.




Warning: Don't use the push walking assistance longer than necessary. By using it for an unnecessary long term, the drive system might overheat.

5.4.5 Battery charge indicator

The battery charge indicator (g) displays the state of charge of the bike's battery, not that of the onboard computer's internal battery. The state of charge of the battery can also be checked on the LEDs of the battery itself. Each bar of the battery symbol on the indicator (g) represents approximately 20 % of the capacity:

 The battery pack is fully charged.

 The battery pack should be recharged.

 The LEDs of the battery charge indicator on the battery go out.

Once the capacity for assisting the drive has been used up, the assistance is gently switched off. The remaining capacity is still available for the lighting and the onboard computer, the indicator flashes. The remaining capacity of the e-bike battery is enough for about two hours of lighting. This does not account for other consumers (e.g. automatic gearbox, charging external devices at the USB port). If the on-board computer is removed from the holder (4), the last displayed state of charge of the battery is saved. If your Carqon is powered by two batteries, the battery charge indicator displays the state of charge of both batteries. Note: The indicator and LEDs give an indication, not an exact percentage.

5.5 Instructions for using the battery

By default your Carqon is equipped with one Bosch battery. A second battery is optional. The battery is located at the bottom of your steer, at the back of the box.



Warning: Always charge the battery in a dry environment.

5.5.1 Charging the battery

Use only the charger included with your e-bike or an identical original Bosch charger. Only this charger is compatible with your Carqon lithium-ion battery. Note: The battery is supplied partially charged. To ensure full battery capacity, fully charge the battery in the charger before using it for the first time. To charge the battery, read and follow the instructions in the operating manual for the charger.

The battery can be charged at any state of charge. Interrupting the charging process does not damage the battery. The battery has a temperature monitoring function which only allows to be charged within a temperature range of 0 °C to 40 °C. If the temperature of the battery is outside this charging range, three of the LEDs on the battery charge indicator will flash. Disconnect the battery from the charger and let it acclimatise. Do not reconnect the battery to the charger until it has reached the correct charging temperature.

The five green LEDs on the battery charge indicator indicate the battery's state of charge of when the battery is switched on. Each LED represents approximately 20 % of the charging capacity. When the battery is fully charged, all five LEDs will be lit. The battery's state of charge when switched on is also shown on the display of the onboard computer. Read and follow the instructions in the operating manuals for the drive unit and on-board computer. If the battery capacity is less than 5 %, all the LEDs on the battery charge indicator on the battery will go out. When the battery is empty, the lightning will stay on up to two more hours. The display function of the onboard computer, however, will carry on working. Once charging is complete, disconnect the battery from the charger and the charger from the mains.

5.5.2 Inserting and removing the battery

In order for the battery to be inserted, the key must be inserted into the battery lock and the lock must be open. To insert the standard battery, place it onto the contacts on the lower holder on the Carqon (the battery can be tilted towards the frame by up to 7°). Tilt it into the upper holder as far as possible until you hear it click into place. Check that the battery is secure in all directions. Always secure the battery by closing the lock – otherwise the lock may open and the battery may fall out of the holder.

Always remove the key from the lock after closing it. This prevents both the key from falling out and the battery from being removed by unauthorised third parties when the e-bike is not in use. To remove the standard battery, switch it off and open the lock using the key. Tilt the battery out of the upper holder and pull it out of the lower holder.

5.5.3 Range

The electrical drive is a support motor. The range will be influenced by the force of pedalling. Set the assistance level in the lowest level (ECO) for maximum range. The lower the pedalling frequency of the pedal drive, the higher the energy requirement for the drive. High loads will cause the energy consumption to increase. Inadequate servicing and maintenance of the cargo bike may reduce its range. Look after your cargo bike and take note of all of the instructions concerning the battery in the Bosch original instructions.

- Check the tire pressure regularly to improve your range (see section “Tire pressure” on page 50).
- Adhere to the servicing intervals (see section “Inspection record” on page 60).
- Temperatures below +10 °C/50 °F may reduce the battery range.

If you are not using your cargo bike:

- Remove the battery from the holder when outside temperatures are low and store it.

Only put the battery into the holder immediately before traveling. If the battery is completely exhausted during the trip, you can use your cargo bike in the same way as a pedal-operated bike. If the battery charge is exhausted, the electrical drive system will switch itself off. The lighting will be provided with energy for another 2 hours.



Note: It's possible to buy an additional Bosch battery. Be aware of buying the correct additional battery, including Bosch docking station, right motor cable and the second battery lock system designed for Carqon.

5.5.4 Overheating protection of the driving system

The electrical drive will be automatically protected from damage due to overheating when external temperatures are high or during rapidly ascending routes. If the drive temperature becomes too high, the electrical drive system will switch off automatically.

- In order to avoid overheating of the electrical driving system, set a low assistance level when external temperatures are high or rapidly ascending routes.

- If the electrical drive system is switched off when the battery is charged and at speeds below 25 km/h or 15.5 mph, do not use the cargo bike until the electrical drive system has cooled down. If the malfunction is not rectified through the electrical drive system cooling down, have the cargo bike checked by a Carqon dealer.



Warning: The electrical drive and the battery may become very hot when in use. You may become injured if contact is made with the skin.

5.5.5 Transporting or shipping the battery

Lithium-Ion batteries are subject to the requirements of legislation relating to dangerous goods. Batteries which are not damaged may be transported on roads by private users without any additional restrictions.

- For commercial transport, note the particular requirements governing packaging and labelling, e.g. for air freight or haulage contracts.
- Seek information about transporting the battery and suitable transport packaging, e.g. directly from the transport company, from Carqon customer service or from your Carqon dealer. If you are transporting the cargo bike, remove the battery and transport it separately and secure it against knocks and impact.

5.6 Protective features

The battery of your cargo bike is equipped with protective features:

- Protection against overheating.
- Protection against exhaustive discharge.

Note the accompanying Bosch original instructions when using your cargo bike's battery.

5.7 Instructions on the additional components of the cargo bike

- Take note of the safety instructions concerning the charging device (see section "Safety" on page 14) if you use the charging device.
- Take note of the accompanying Bosch original instructions on the components and operation of your cargo bike.

5.8 Information on road traffic

The assistance provided on cargo bikes is effective up to a speed of 25 km/h/15.5 mph. The technical design of your cargo bike meets the European standards for E-bikes.

- Seek information on the relevant regulations governing road traffic for the state or the region, e.g. from the Ministry for Transport.
- Ensure that you seek to update your information continuously for amendments to the valid regulations.
- Take note of the attached Bosch original instructions if you wish to operate your cargo bike.

5.8.1 Residual risks

Use of your cargo bike is associated with the following unforeseeable residual risks despite adherence to all safety instructions:

- Do not breathe in any gases or vapours which are emitted. Prevent skin contact with liquids which are emitted. The battery may combust due to internal, non-visible damage and ignite objects in its vicinity.
- Do not attempt to extinguish a battery fire yourself.
- Keep your distance from the battery. Allow the battery to burn out in a controlled fashion. If the battery is burning, hydrofluoric acid will be emitted with the flue gas. Hydrofluoric acid is highly corrosive and will cause permanent damage to surfaces.
- Do not use damaged batteries.



Warning: Invisible internal damage and fire can cause gases, vapors and liquids to escape from the battery. Avoid physical contact with these substances!

5.9 Error code display

The cargo bike system's components are continuously and automatically monitored. If an error is detected, the corresponding error code is displayed on the on-board computer. The drive may be automatically shut down, depending on the type of error. However, if you wish to continue cycling, you will always be able to do so without assistance from the drive. Check the full Bosch manual or bosch-ebike.com for all the possible error codes.

Code	Reason	Corrective measures
410	One or more buttons of the on-board computer are disabled.	Check whether any buttons are stuck, e.g. as a result of dirt finding its way in. Clean the buttons if need be.
414	Operating unit connection problem.	Have the connections checked.
430	Internal battery of the onboard computer is flat.	Charge the on-board computer (in the holder or via the USB port) or by changing the battery in case of the Purion display.
503	Speed sensor fault.	Restart the system. If the problem persists, contact your Carqon dealer.
592	Incompatible component.	Use a compatible display. If the problem persists, contact your Carqon dealer.
605	Battery temperature error.	The e-bike is outside of the permissible temperature range. Switch off the system and allow the drive unit to either cool down or heat up to the permissible temperature range. Restart the system. If the problem persists, contact your Carqon dealer.
620	Charger fault.	Replace the charger. Contact your Carqon dealer.

6 Brakes

Adapt your driving and speed to the weather and road conditions. In wet conditions the performance of the brakes may reduce and the braking distance may increase. If you operate the front brake too heavy, this may lead to somersaulting. Therefore, we strongly advise you to brake simultaneously via the left-hand and right-hand levers.

- Use the left brake lever for the front wheel carefully at high speed.
- Adapt the braking force to the riding situation.
- Always brake simultaneously with both brakes.
- Use the rear brake with care.
- Incorrect brake pads may lead to reduced or increased brake performance or to brake failure.
- Only replace brake components with original spare parts.
- Carqon is equipped with two disk brakes which take independent effect on the front wheel and the rear wheel. Over a short braking distance, brake evenly with both brakes.



Warning: If you notice that the effect of the brake is low, have the brake system checked by a Carqon dealer.

6.1 Checking the brakes

Carry out the following instructions for the front wheel brake and the rear wheel brake;

1. Check that all the screws in the braking system are firmly screwed.
2. Check whether the brake lever is torque-proof against the handlebar.
3. Check whether there is still at least 1 cm/0.4" of clearance between the brake lever and the handle when the brake lever is fully deployed. If the clearance is less than 1 cm/0.4", have the brake system checked by a Carqon dealer.
4. Check the extent of the wear to the brake pads. Ask a Carqon dealer to explain how you can check for wear.
5. Check by gently moving the brake disc back and forth whether or not the brake disc sits on the front or rear wheel and is backlash-free.
6. Check whether the front wheel or rear wheel is blocked when the brake is deployed.

If you discover loose screw connections, have the screw connections tightened by a Carqon dealer.

6.2 Brake lever assignment

The brake levers are assigned as follows in the basic configuration;

- The right-hand brake lever operates the rear wheel brake.
- The left-hand brake lever operates the front wheel brake.

Acquaint yourself with the brake lever assignment before starting a journey. Get in touch with a Carqon dealer if you wish to change the brake lever assignment.

6.3 Disc brakes

When pulling the brake lever, the brake pistons (which are located in the brake callipers (2) of the disc brakes) will be pushed outwards. The brake pistons will press the brake pads against the brake discs (3)

- Check the disc brakes regularly for wear and functionality. And clear the breaks afterwards.
- Remove any soiling to the components of the disc brakes and the brake disc immediately with a lightly moistened towel.
- Clean the brake discs regularly with brake cleaning fluid or warm water.

Using the disc brakes causes wear to the brake pads and brake discs. With hydraulic disc brakes, the brake liquid in the hydraulic lines (1) is also subject to wear.

Ask a Carqon dealer for an inspection to check the wear of the brake pads. Carry out the following for the front wheel and rear wheel brake;

1. Check whether the brake pads move back and forth evenly and symmetrically in the direction of the brake disc, when the brake lever is pulled and released. When you are able to move the brake disc of the brake pads or if they move unevenly, have the brakes checked by a Carqon dealer.
2. Pull the brake lever and check whether brake fluid is emitted from the lines, connections or the brake pads. If brake fluid is emitted, do not use the cargo bike. Have the brake disc checked by a Carqon dealer.



If the disc brakes are new or if the brake pads or the brake discs have been renewed, the disc brakes need to be applied. For this, note the manufacturer's instructions or ask a Carqon dealer. If the effect of the disc brakes is insufficient after applying them or if you hear unusual sounds while braking, have the disc brakes checked by a Carqon dealer.

6.3.1 Using the disc brakes

The rear wheel lock reacts faster than the front wheel lock, when the same braking force is applied. Depending on the model, your cargo bike is equipped with different brake types on the front wheel and on the rear wheel.

- In order to brake, pull the brake lever with your fingers in the direction of the handlebar.
- Regulate the braking effect by using different force levels on the brake lever.
- In order to loosen the disc brake, release the brake lever. Over a short braking distance, brake evenly with both brakes.

6.4 Adjusting the disc brakes

If brakes are not installed professionally, the brake performance may reduce or the brakes may fail. Let the brakes only be set up by a Carqon dealer and have the brake adjustment explained to you by a Carqon dealer.

6.4.1 Replacing the brake pads

Incorrect or incorrectly installed brake pads may lead to malfunction, therefore the disc brakes may not work.

- Only use original brake pads for disc brakes.
- When purchasing brake pads, always seek professional advice.
- Check every now and then whether the brake pads are worn.
- Have the brake pads replaced by a Carqon dealer.

7 Belt drive

Depending on your chosen model, Carqon is equipped with a belt drive or chain drive. The following sections give more information about these two drive systems.

- Carqon with a belt drive is combined with an Enviolo gear hub.
- Carqon with a chain drive is combined with a Shimano Deore XT derailleur gear system (see page 44).

7.1 Principles of a belt drive

A Carqon with beltdrive, combined with an Enviolo gear hub (continuous variable transmission) is an advanced alternative to the traditional chain drive. The belt drive is a carbon reinforced belt that offers advantages over the traditional, metal chain. It is a solution for everyone who loves to cycle, but not the maintenance activity. Besides, the belt makes hardly any noise while driving.

1. Enviolo gear hub
2. The Gates belt drive
3. The Gates sprocket



Note: a correct tension is very important for a comfortable driving experience. Besides, this will extend the lifetime of your belt.

7.2 Correct adjustment of the belt drive

When the Carqon has been delivered to you, Carqon or your dealer have adjusted the belt to the correct tension. During servicing, your dealer will check the tension of your belt with professional tools.

7.2.1 Handling the belt

Do not crimp, twist, backbend, invert, bundle or zip tie the belt. Do not use the belt as a strap wrench or chain whip. Do not roll on or pry the belt.

7.2.2 Care for your belt drive

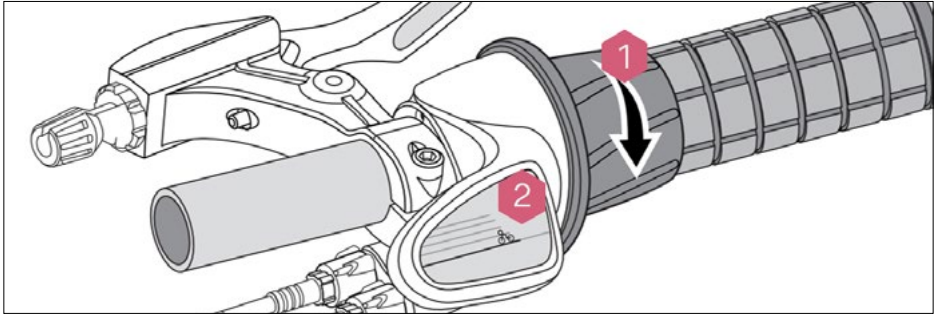
Wash the belt with water to remove debris. Acceptable temperature range for belt is from -53°C (-65°F) to $+85^{\circ}\text{C}$ ($+185^{\circ}\text{F}$).

7.2.3 Operating the hub gears

Familiarize yourself with the functions of the gear shift before entering road traffic. If you operate the gear shift incorrectly, this may cause damage. The Enviolo continuously variable transmission does not have classic gears, but is continuously variable. The gear shift is located in the rear wheel hub. You can switch up and down using the twist-grip control.

7.2.4 Using the continuously variable transmission

Use the twist-grip control (1), you can read the selected transmission on the display (2) as follow;



- Display (2) “flat”: low pedalling frequency for flat paths.
- Display (2) “ascent”: high pedalling frequency for ascending paths.
- Turn the twist-grip control (1):
 - Backwards (in the opposite direction of the travel) in order to switch up (reducing the pedal frequency; propelling the bike becomes heavier).
 - To the front (in the direction of travel) to switch down (to increase the pedal frequency propelling the bike becomes easier).

7.2.5 Adjusting the continuously variable transmission

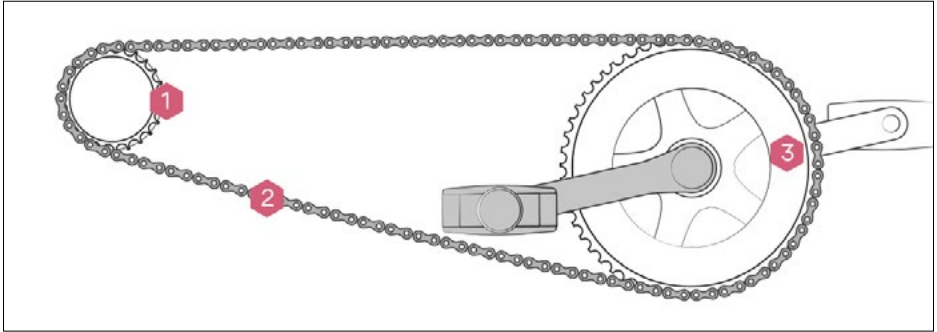
If the gear shift is incorrectly adjusted it may damage during use. Only adjust the settings of the continuously variable transmission yourself if you have practiced doing so and if you possess the required knowledge. Otherwise, contact a Carqon dealer. Change the position of the adjusting nut (2) if the transmission no longer functions properly. If you are uncertain when operating the gear shift or if you have problems with it, this may distract you from the road traffic.

- Turn the adjusting nut carefully
 - in a clockwise direction if the clearance is less than 0.5 mm/0.02”.
 - in an anti-clockwise direction if the clearance is greater than 1.5 mm/0.06”.
- Check whether an improvement has been made and if required repeat the previous step.

8 Chain drive

A Carqon with chain drive, combined with a Shimano Deore XT derailleur gear system, is a traditional chain drive. The gear shift can be found on the drive side (chain side) on the rear wheel.

1. The sprocket
2. The chain
3. The chain wheel



8.1 Handling the chain drive

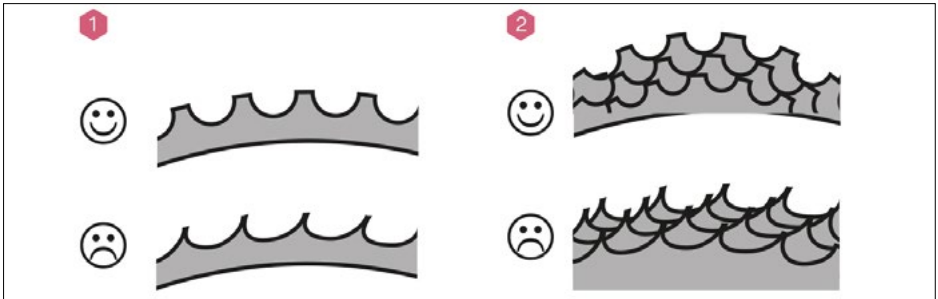
- At least twice a year, the derailleur and chain need to be lubricated. Please contact a Carqon dealer for this maintenance.
- Check all of the components on the derailleur gears for damage.
- Carry out a visual inspection on the gear cable and check the casing of the gear cables and the wires for damage or cracks.
- Check the function of the derailleur gears in the following way:
 - Lift the cargo bike by the frame in such a way that the rear wheel can move freely.
 - Set the rear wheel in motion with the help of the pedals.
 - Shift through all of the gears.
 - Check whether you are able to shift through all of the gears properly. Ensure that there are no unusual noises when shifting gears.

8.2 Checking the chain drive

Have the sprocket and/or the chainwheel replaced by a Carqon dealer if you notice that individual teeth are dangerously sharp (so-called shark teeth) (1) or (2).

- Contact a Carqon dealer if components show signs of damage, if you notice unusual sounds when shifting gears or if you are unable to shift through all of the gears in a proper manner.

- Maintain the derailleur gear components with suitable maintenance products in order to reduce wear and tear through weather and environmental influences. In order to obtain information, contact a Carqon dealer.



Note: Go to your Carqon dealer to make adjustments to the derailleur drive, if needed

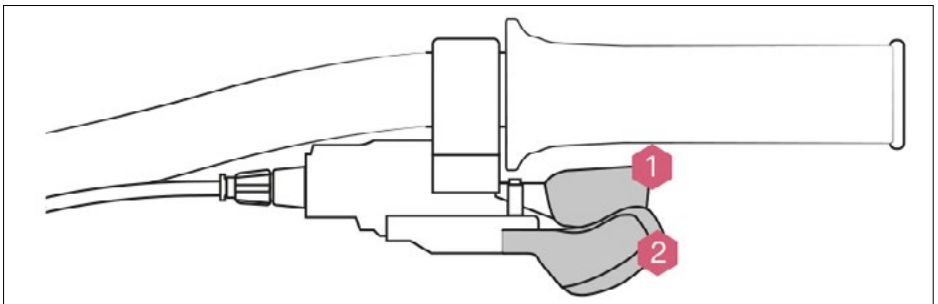
8.3 Operating the derailleur gears

If you are unsure about operating the derailleur gears or if you have problems with it, this may distract you from the road traffic. Before entering road traffic, familiarize yourself with the functions of the derailleur gears.

- If you operate the derailleur gears improperly, this may cause damage.
- Do not press hard on the pedals when shifting gears.
- Do not pedal backwards when shifting gears.

8.4 Using the gear shift lever

- Release the gear shift lever after switching gears in such a way that it returns to the original position in order to completely carry out the gear shift process.
- Pull the front gear shift lever (1) in order to switch down a gear.
- Press the rear gear shift lever (2) in order to switch up a gear.



9 Lighting

Your Carqon is equipped with the following lighting.

- Headlights (1)
- Rear lights (2)
- Side reflectors for front and rear wheels (3)
- Pedal reflectors (4)
- White front reflectors (1)
- Red rear reflectors, 2 pcs (2)
- Carqon box lights (5)



In many countries, the cited lighting components must also be available on the cargo bike and ready to operate if the cargo bike is exclusively used in daylight (in light conditions). LEDs cannot be replaced in headlights and rear lights. When the LEDs have reached the end of their service life, the corresponding lighting components must be exchanged. Have any defective lighting replaced by a Carqon dealer.

9.1 Operating the lighting

You can switch on the lighting of your Carqon by using the Bosch remote control on your handlebar. If you do not have lighting or if it is inadequate, other road users may not be able to see you well and you may not notice unevenness in the road or obstacles.

9.2 Setting up the headlight

Headlights must be set up in such a way that oncoming road users are not blinded.

1. Loosen the screw (1) by several turns in an anti-clockwise direction.
2. Set up the headlights in such a way as described in “Setting up the headlight range”.
3. Affix the headlights by tightening the screw (1) in a clockwise direction.



9.2.1 Setting up the headlight range

The headlights must be set up in such a way that the light beam emitted is at half the height of the headlight at a distance of 5 m/16.4 ft.

- Switch the headlights on in order to check the direction of the light beam being emitted.
- Loosen the screw (1) by several turns in an anti-clockwise direction.
- Set up the headlights correctly as described above, by tipping them forwards and backwards.
- Secure the headlights by tightening the screw (1) in a clockwise direction.



Note: Ensure all lighting correspond to your national and regional requirements.

10 Wheels, tires and suspension

The front and rear wheels consist of a hub, spokes, rims and the tires running around the rims with an inner tube. In order to protect the inner tube from the base of the rims and the spoke nipples there is a rim tape on the rim. When in use, the front wheel and rear wheel will be subject to heavy strain through the weight of the rider and the load and any unevenness in the path.

- Please have your tires checked and if necessary aligned at a Carqon dealer after your first driving period. This check must be carried out after your first 100 km/62 miles or 2 months (at the latest) after purchasing.
- Check your front and rear wheel on a regular basis for possible damage and correct alignment.
- On the tire flank you will find details concerning the maximum pressure for the relevant tire. By default your Carqon is equipped with two Schwalbe-tires.
- Front wheel tire pressure: 2.0 - 4.5 Bar or 30 - 65 Psi
- Rear wheel tire pressure: 2.0 - 4.0 Bar or 30 - 55 Psi



Note: The correct tire pressure will lead to a higher battery range and reduces the risk of a broken spoke.

10.1 Rims and Spokes

If the front and rear wheels are not aligned or if they wobble, this compromises rider safety. Have the front and rear wheel aligned by a Carqon dealer if they are not aligned or if they wobble. If the spokes are not correctly or evenly tensioned, this may compromise how well the front or rear wheels turn. By riding over obstacles quickly, such as a curb, or if a spoke nipple comes loose, this may compromise the tension of individual spokes. If individual spokes are not correctly tensioned or if they are damaged, the affected wheel will no longer turn well. It will wobble and the stability of the rims may be compromised, causing the rim to break.

- Check the spokes for cracks and damage.
- Have damaged spokes replaced immediately. Contact a Carqon dealer.
- Ensure that the spokes are subject to even tensioning by carefully pressing together two spokes at a time.
- Have the spokes tensioned by a Carqon dealer if you notice that individual spokes have loosened.
- Check the rims for cracks and damage.
- Have damaged rims replaced immediately. Contact your Carqon dealer.

10.2 Tires

Damaged tires may burst when riding. Check on a regular basis whether tires are damaged or have been significantly worn. Change the tires if you notice damage or significant wear. If you do not have the required knowledge or the necessary tools to change the tires, contact a Carqon dealer. Keep reflectors clean and replace missing or worn reflectors immediately. If the tires you have used do not correspond to the original size, components may become damaged.

There are different types of tires which can be used, depending on the intended purpose of the cargo bike.

On the tire wall, the tire size is indicated in millimetres or inches.

- Notation for millimetre indication: width - inner diameter, e.g. 62-584.
- The pumped up tires are 62 mm wide, the inner diameter is 584 mm.
- Notation for inch indication: Inner diameter × width, e. g. 27,5"×2.4".
- The pumped up tires are 2.4" broad, the internal diameter is 27,5".

The tires and rims are not airtight; rather the air is retained in the inner tires with the help of an inner tube which is filled with air via the valve. Contact a Carqon dealer if the tires show signs of cracks or damage or if the profile is very worn.



Warning: Ensure that the tires do not show signs of cracks or damage due to sharp parts or sharp objects. Check the level of wear to the tire profile and ensure that the tires are not excessively worn. Slipping can be caused by worn tires.

10.3 Valves

Carqon cargo bikes are equipped with the following type of valve: Express valve (Dunlop): secured with union nuts; rim holes 8.5 mm/0.3"

- Turn the upper knurled nut (1) in an anti-clockwise direction towards the top, to let air out of the tires.
- Completely unscrew the lower knurled nut (2) in order to change the valve insert.
- Turn the lower knurled nut (3) clockwise as far as it goes in order to close the valve.

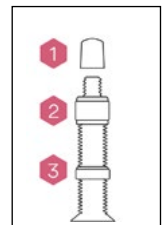
Depending on the type of valve, you will require a pump to pump up the tires with a suitable valve connector or a suitable adapter. To purchase an air pump with a suitable valve connector or adapter for your valve, contact a Carqon dealer.

10.4 Tire pressure

On the tire flank you will find details concerning the maximum pressure for the relevant tire. These details are given in PSI, kPa or bar depending on the manufacturer. If the tire pressure is too high, the inner tubes may burst during your ride or the rims may break and at an excessively low tire pressure, the inner tube may become damaged. Take note of the details concerning the maximum and minimum tire pressures.

A tire pressure corresponding to the indicated lower threshold is suitable for:

- Light riders.
- Riding on uneven surfaces.
- Riding with high level of suspension comfort at higher rolling resistance.



A tire pressure which corresponds to the indicated upper limit is suitable for:

- Heavier riders.
- Riding on even surfaces.
- Riding with low rolling resistance with lower suspension comfort.

Check regularly that the tire pressure falls in the indicated zone and is correctly adapted to the rider and riding plans.

Note: the indications on the maximum and minimum tire pressure. Fill the tires with air at least corresponding to the indicated lower threshold and at the most corresponding to the indicated upper threshold. Use the air pump with a pressure display in order to check the tire pressure when pumping up the tires.

10.4.1 Basic settings

The tire pressure has an influence on the roll resistance and the suspension of the cargo bike.

1. Ensure that your air pump has the appropriate connector or adapter for your valve.
2. Check the tire pressure with the help of a pressure gauge or an air pump with pressure display.
3. Increase or reduce the pressure as desired by pumping up the tires or allowing air to escape.
4. Close the valve with the help of the protective cap you have previously removed.
5. Once you have adjusted the tire pressure, ensure that the lower knurled nuts on the valve are sitting correctly and securely. Affix the knurled nuts where appropriate by tightening them in a clockwise direction in the direction of the rim.

10.5 Suspension fork

Your Carqon is equipped with a Suntour Mobie 20" suspension fork. The suspension fork softens the ride on the arms making the ride more comfortable, holding the front wheel on the ground to provide a better road handling. The fork can be adjusted to the rider's weight and preferred riding style via the spring preload.

It is not the coil spring hardness that is set, but the spring preload. This reduces the 'Sag' of the fork when the rider sits down. Sag is the amount of travel your suspension moves through just by adding your own weight (body, clothes, pack, etc.) to the bike. A semi-hard spring is used by default.



10.5.1 Changing the sag of your front fork

Turn the preload adjust button clockwise to increase the spring preload and turn it counter-clockwise to reduce it.



Note: Your Carqon dealer can help adjusting the sag of the front fork.

11 Individual components

11.1 Double Cable Steering System

The Carqon has a unique steering system: the Double-Cable Steering System incorporates a high-quality technique taken from the automotive industry. Instead of a conventional steering rod, strong double steering cables are used. This allows for more direct, smoother steering and enables a wider steering angle. There are two sets of cables for added safety, the second cable is added as a backup.

- It is important that both sides have the same tension
- If you prefer a more stiff rotational movement, please increase the tension.
- If you prefer a more smooth rotational movement, please decrease the tension
- Make sure the two vertical mounts are always strongly mounted

For changing the cables, it is necessary to remove the box. Please contact your Carqon dealer to execute this service. After every two years, we advise you to replace the set of cables



Warning: Contact a Carqon dealer if you need to adjust the double cable system or if one of the cable breaks.

11.2 Optional luggage carrier

If the optional luggage carrier is improperly assembled, this can cause damage to bike components. The luggage carrier is intended for transporting children up to 25kg and lighter luggage whilst travelling. Do not modify the luggage carrier, otherwise the stability or functionality of the cargo bike may be compromised.

- Contact a Carqon dealer if you intend to add to or modify your cargo bike or your luggage carrier.
- Only use the luggage carrier supplied by Carqon.

Bike components can be damaged by overloading the luggage carrier. The maximum load of the luggage carrier and the maximum total weight of the cargo bike must be taken into account when loading it. Only load the luggage carrier with a maximum of 25 kg/55 lb.



11.3 Luggage

- When loading your cargo bike, ensure that reflectors or lights continue to be visible.
- When riding, take the additional weight into account and the unaccustomed handling while driving, where appropriate.
- You may need to consider that the braking distance will be longer and the riding style may be different, since the balance of the bike might be changed.

- Fasten the luggage onto the luggage carrier with the help of tension belts etc. in order to avoid luggage falling or slipping.
- Position heavy luggage in such a way that the heaviest point is as low down as possible, e.g. in packing bags.
- Always ensure that it is not possible for tensioning belts or cables to get into moving parts, e.g. the rotating rear wheel or the pedal crank.

11.4 Bell

The bike bell used on your Carqon is a metal bell, which emit a high ringing sound, used to help signal the rider's presence to other road users.

- Push the bell button and then let it spring back to produce a signal.
- Position the bell on the handlebar in such a way that you can reach it comfortably, without removing your hand from the handlebar grip.



11.5 Prop stand

Your Carqon is equipped with a prop stand. With the help of the prop stand, you can park the cargo bike upright when it is not in use.

11.5.1 Using the prop stand:

- Hold the cargo bike securely with both hands and push the cargo bike forward so that the prop stand springs up.
- The prop stand will remain in this position whilst you ride.
- In order to lift the cargo bike onto the prop stand, position yourself to the left of the handlebar next to the cargo bike.
- Position yourself closer to the handlebar.
- Place your foot on the protruding part (1) of the prop stand and pull the bicycle with both hands on the handlebars into the parking position.



12 Storage, cleaning and disposal

This section includes information on the safe storage, cleaning and disposal of your cargo bike.

12.1 Storing the cargo bike

If you do not use your cargo bike for an extended period, store it as follows:

- Store the cargo bike in frost-free and dry place, protected from significant temperature differences.
- If you are not able to store the cargo bike in a closed room, use the Carqon Bike Cover in order to protect the cargo bike when it is being stored outdoors.
- Clean the cargo bike before storing it.
- Protect the Carqon cargo bike from frost.
- Take out the battery if intent to store the bike longer than one month.

12.2 Cleaning the cargo bike

In the interest of your safety, also take note of the following safety instructions:

- Secure moving parts if possible.
- Do not use any aggressive cleaning products. Using incorrect cleaning products may lead to damage of the bike.
- Do not use any sharp, pointed or metallic cleaning utensils.

If necessary, have your Carqon dealer advise you on suitable cleaning and maintenance products. For cleaning purposes, you require:

- Clean cleaning cloths.
- Mild, lukewarm soapy water.
- A sponge or a soft brush.
- Cleaning and maintenance products.
- Clean the cargo bike regularly, even if it is only lightly soiled.
- Wipe all surfaces and components down with a sponge moistened with a mild soapy solution.
- Wipe all surfaces and components after cleaning.
- Maintain all painted and metallic surfaces on the frame at least every 6 months. Ask Carqon customer services or a Carqon dealer for a paint stick in the color of your cargo bike.
- Only use mild, lukewarm water without soap or other chemicals when you want to clean the disk brakes.



Note: Have your Carqon dealer advise you on suitable cleaning products.

12.3 Storing the battery

A damaged or incorrectly used battery can irritate and injure the respiratory system, the eyes or the skin. If you do not use the battery for an extended period, store it as follows:

- Remove the battery from the battery holder.
- Charge the battery to approx. 50 % of its capacity. Each time you charge the battery, disconnect it from the charging device and disconnect the plug from the socket.
- Store the battery in a frost-free place and protected against large differences in temperature in a dry, well-ventilated room without direct sunlight, ideally at +10 to +20 °C/50 to 68 °F, e. g. in a cellar.
- Store the battery in such a way that it is protected from falling down is protected against moisture and is not accessible to children and animals.
- If only one control light is blinking on the battery, charge the battery for 10 minutes.
- If you want to use the battery after storing it for between one and six months, charge the battery up beforehand.
- If you have stored the battery for 6 months or longer, have your cargo bike serviced by a Carqon dealer.
- If you store the battery for over 1 month, check the capacity of the battery once a month.

12.4 Disposal

Familiarize yourself with the disposal symbols which are shown on the packaging, the battery and the charging device (see section “Symbols and signs” on page 10). Your Carqon exists of an HDPE box, aluminium frame, stainless steel mounts and electric components.

12.4.1 Disposing the packaging.

Dispose the packaging of the Carqon according to your local legislation.

12.4.2 Disposing of tires and inner tubes.

Tires and inner tubes should not be disposed in ordinary garbage or household waste. Dispose of inner tubes and tires at a recycling center or a collection point run by your city or municipality.

12.4.3 Disposing of your cargo bike



With cargo bikes, remove all (rechargeable) batteries and all control parts containing batteries prior to disposal. After removing all (rechargeable) batteries, the cargo bike is classified as electrical waste and must be recycled. Dispose the cargo bike at a recycling center or a collection point.

12.4.4 Disposing of (rechargeable) batteries and batteries



(Rechargeable) batteries which supply the motor with energy and in-built display batteries are generally lithium ion batteries which must be disposed as special waste. Dispose of (rechargeable) batteries at a recycling center or a collection point run by your city or municipality.

13 First inspection and maintenance

The obligatory first inspection, good care and regular maintenance will ensure that the Carqon cargo bike has a longer service life.

13.1 First inspection

To maintain the validity of the warranty services, you are obligated to have a professional first inspection carried out, at least 2 months after purchasing your cargo bike or after the first 100 km/62 miles of riding, whichever comes first. The first inspection may be carried out by your local Carqon dealer. Retain the documentation for the first inspection with care so that you can produce this documentation in case of warranty claims. (see section “Inspection record” on page 60)

13.2 Annual maintenance

- Have your cargo bike maintained at least once a year by a Carqon dealer, a second maintenance is strongly advised by Carqon (after each 1000km).
- Retain the documentation for the first inspection together with your receipt/proof of purchase with care so that you can produce this (see section “Inspection record” on page 60).

14 Carqon Bike passport

Brand, model: _____

Model year: _____ Art no.: _____

Frame number: _____ where appropriate, key number: _____

Other

Vehicle condition:

New

Used, mileage: _____

Your notes

14.1 Handover record

The cargo bike will be handed over fully equipped with the following: (tick as appropriate and enter quantities)

- key battery
- the bike passport with the technical data concerning the cargo bike has been handed over
- where appropriate, additional component guides

for cargo bikes:

- where appropriate, Bosch quick-start guide for the drive system
- all functions of the cargo bike have been explained
- the cargo bike has been handed over ready to ride
- the cargo bike has been handed over pre-assembled, instructions on making it ready to ride have been provided

Purchase and/or delivery date: _____ Purchase price: _____

Purchaser

First and last name: _____

Address: _____

Email: _____ Tel.: _____

Stamp _____

Carqon dealer:

Place, date, purchaser, signature

Customer:

Place, date, signature

14.2 Inspection record

1. Inspection

After approx. 100 km/62 miles or 2 months, which ever comes first.

Works carried out:

Replaced components:

2. Inspection

After approx. 1000 km/620 miles or 1 year, which ever comes first.

Works carried out:

Replaced components:

3. Inspection

After approx. 2000 km/1240 miles or 2 years, which ever comes first.

Works carried out:

Replaced components:

4. Inspection

After approx. 3000 km/1860 miles or 3 year, which ever comes first.

Works carried out:

Replaced components:

5. Inspection

After approx. 4000 km/2480 miles or 4 years, which ever comes first.

Works carried out:

Replaced components:

6. Inspection

After approx. 5000 km/3100 miles or 5 years, which ever comes first.

Works carried out:

Replaced components:

15 Legal notice

Version 2.0
Carqon BV
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The Netherlands

© Reproduction, reprints, translation and any other commercial use in written or electronic format, even in part, are only permitted with previous written approval. For more information about the general terms and conditions and warranty policy, visit www.carqon.com. Carqon reserves the right to change the warranty conditions at any time.

Carqon as a company or Carqon dealers accept no responsibility for damage which has arisen through improper use. Only use the cargo bike as described in this user manual. Any other use is deemed to be improper and can lead to accidents, serious injury and damage to the cargo bike. Improper use of the cargo bike voids the warranty (see full user manual). The cargo bike is intended for use by one person as a rider and the seating position of the cargo bike should be set up for their body size. The cargo bike is only intended for use on roads and paths with a smooth surface. Any use on unfinished paths which have not been paved in asphalt, cement or plaster may lead to damage to the cargo bike.



More information about the warranty policy?
go to support.carqon.com



**Designed
to help you
conquer the
world together
with your
children.**