

BLIMO 80

USER MANUAL

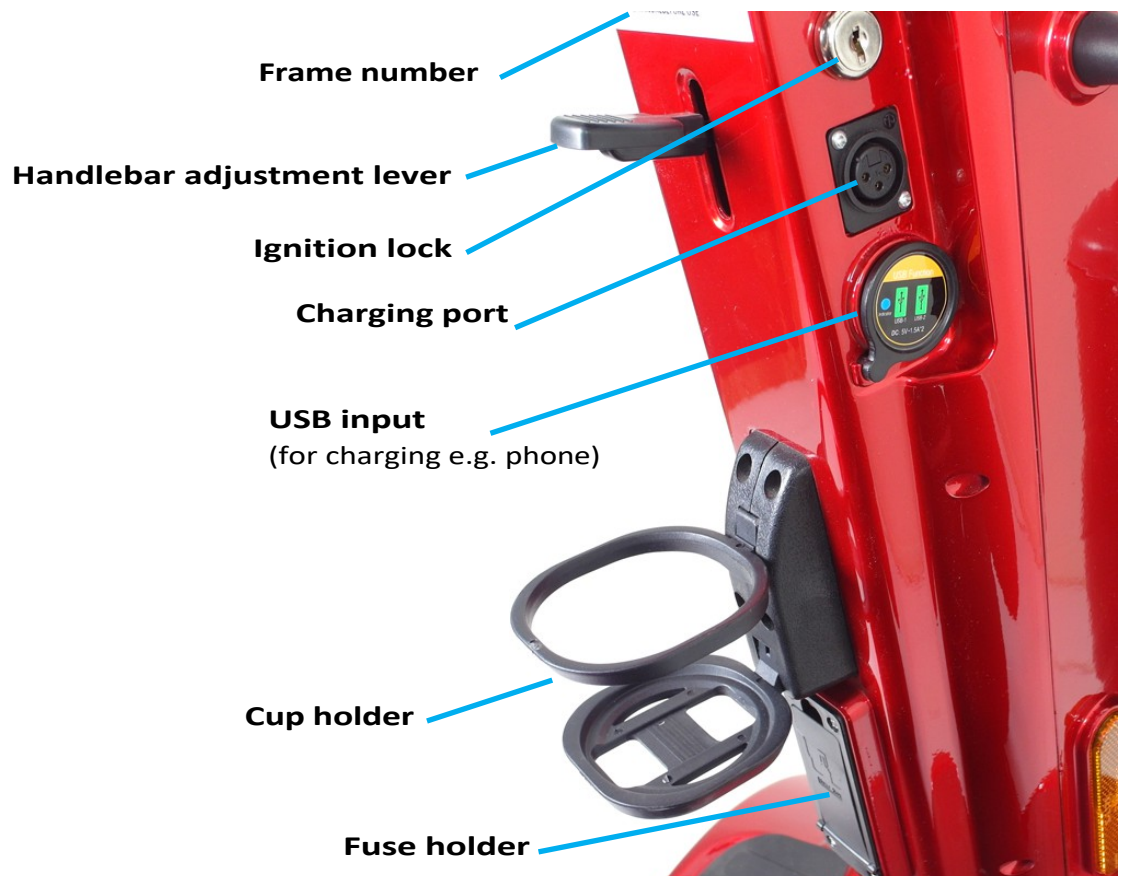


BLIMO
HJÄLPMEDEL

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VEHICLE OVERVIEW



BEFORE USE

When your Blimo is delivered, it is mostly assembled. The packaging in which the vehicle is delivered can be folded up and saved if you ever need to ship the vehicle somewhere in the future. The box also provides good protection for long-term storage.

CONNECTING THE BATTERIES

On some models, the batteries may be connected upon delivery, but it is still important to check that they are properly connected before using your Blimo.

Start by lifting off the seat if it is in place. Then remove the cover that will later cover the batteries. On most models, it is only attached with Velcro. Start by pulling the cover off from the back. On other models, there is a screw that holds the cover in place, which you can easily unscrew by hand. The screw is clearly visible in the middle of the cover.

1) Place both batteries under the battery cover.

2) Connect the battery cables to the respective battery terminals according to the instructions.

NOTE: Different model years have different connections to the fuse or fuses. Therefore, check whether you have a 100A fuse or two fuses with 15A and 70A, as illustrated on the right.

- 1) Screw.
- 2) Spring washer.
- 3) Flat washer.
- 4) Cable lug for battery cable.
- 5) Battery terminal.

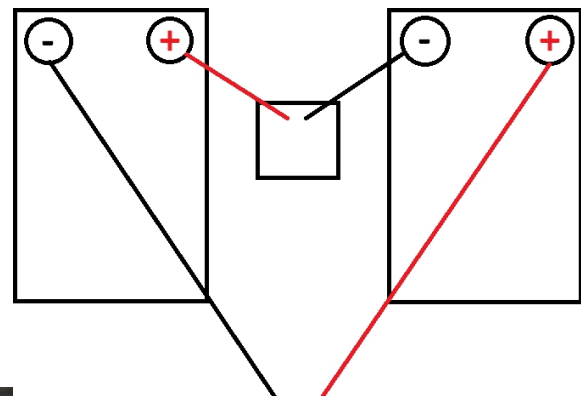
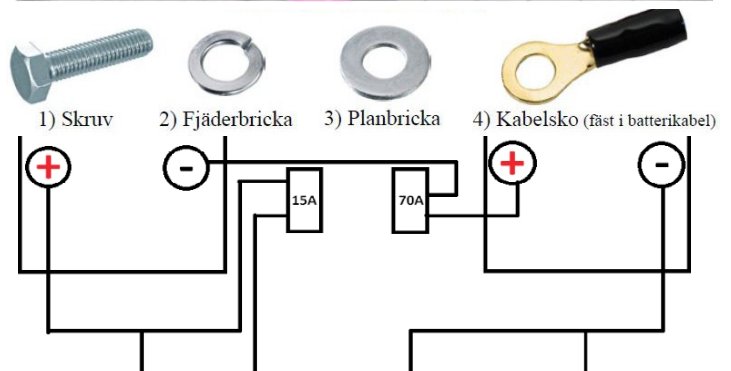
Black cable: NEGATIVE TERMINAL
(battery terminal is black or blue)

Red cable: PLUS TERMINAL (the battery terminal is red)

3) Secure each battery by fastening them with the Velcro straps.

4) Once all the mounting parts are in the right order, tighten the screws firmly with a spanner. Then cover the connections with the rubber damask that comes with the battery cable.

Once the batteries have been installed, they need to be properly charged for the first time, preferably for 12 hours. After that, the batteries should ideally be charged after each use.



DISENGAGING

If you ever need to push your Blimo without using motor assistance, you can put the vehicle in freewheel mode. This is useful, for example, if you need to roll the vehicle onto a trailer, roll it into a storage room, or if you run out of battery power and need to roll the vehicle home without the brake being activated.

To switch between neutral and drive mode, use a black rubber-coated lever located on the rear axle of the vehicle. The lever is located slightly inside the vehicle, inside the **right rear** wheel, and is black in colour. To put the vehicle in drive mode, pull the lever downwards. To switch to neutral mode, pull the lever upwards. If you start the vehicle while it is in neutral mode, a warning signal will sound.

There is also a button on the handlebar for neutral, see page 5 of the manual. Hold this button down for put the vehicle in neutral. This only works when the vehicle is switched on. Do not tow the

vehicle at speeds higher than 10 km/h.



INSURANCE AND CHASSIS NUMBER

Your Blimo does not require motor insurance to be driven. If you want to insure the vehicle against theft and damage, contact your home insurance company and inform them that you want to insure an electric wheelchair.

When you contact your insurance company regarding your BLIMO, they will ask for the vehicle's chassis number. This number can be found on the side of the box in which your BLIMO was delivered and on the vehicle's steering bar. Make sure to note this number at the back of the manual.

The chassis number is also located on the top of the frame under the rear cover of the vehicle. For instructions on removing the rear cover, see the section on replacing the fuse.

BATTERIES AND CHARGER

Your Blimo is powered by two 12V lead-acid batteries connected in series. The batteries are completely sealed and therefore require no maintenance (you do not need to top them up with battery fluid). The batteries start to wear out from the first use and thus lose range over time. The normal life span of a battery is from 6 months up to 3-4 years, depending on how they are used. Normally, a battery is replaced before it is completely worn out because the maximum range deteriorates over time.

Please also note that the range is significantly reduced when the temperature drops. If the temperature of the batteries drops from, for example, 20 °C to 5 °C, the range is almost halved. We advise against use when it is colder than -5 °C.

When it is time to replace your batteries, it is important to purchase the correct model. Contact Blimo Hjälpmedel to get the right batteries!

It is important to remember that batteries must be handled correctly to prevent abnormal wear and tear or damage.

If you do not intend to use your Blimo for an extended period of time, the batteries should be charged every 30 days. During winter storage, the batteries should be kept at above-zero temperatures.

BATTERY CARE INSTRUCTIONS

- 1) Charge the batteries for at least 12 hours before using them for the first time.
- 2) Never charge the batteries for more than 24 hours at a time.
- 3) Never deep discharge the batteries, as this may damage or destroy them.
- 4) Always charge the vehicle if the battery capacity falls below 20%.
- 5) Charge the batteries after each drive.
- 6) Never store the batteries at sub-zero temperatures without fully charging them.
- 7) Never overheat the batteries; for example, avoid exposing them to direct sunlight.
- 8) Maintenance charge the batteries during long-term storage.

CHARGER AND CHARGING

The charger for your Blimo charges both batteries simultaneously and switches to maintenance charging when the batteries are fully charged. However, we do not recommend leaving the charger connected for more than 24 hours at a time. The vehicle must always be switched off when charging. Ensure that charging takes place in a dry environment and at above-zero temperatures. The charger may be damaged if exposed to moisture!

To charge, you should:

- 1) Connect the charger to a grounded wall socket.
- 2) Connect the charger plug to the charging port on your Blimo (see overview image).
- 3) Switch on the charger using its own power switch.

There are two LEDs on the charger that indicate the charging status. When the vehicle is charging, one LED should light up RED and the other ORANGE. When the batteries are fully charged, the LEDs should light up RED and GREEN respectively. If the green LED switches between ORANGE/GREEN, the charger has switched to maintenance charging. The batteries are therefore fully charged.

Next to the diodes is a fuse holder marked "FUSE". If the charger ever stops working functioning, you can try replacing the fuse. A couple of spare fuses are included in the delivery.

DRIVING YOUR BLIMO

Start by familiarising yourself with the instrument panel and controls on your Blimo. Below you will find a description of the functions of the various controls.

- | | |
|------------------------------------|---------------------------------------|
| 1. Horn | 9. Battery indicator |
| 2. Clutch | 10. Right turn signal indicator light |
| 3. Potentiometer (speed selector) | 11. Headlight indicator |
| 4. Service light | 12. High and low position indicator |
| 5. Status lamp | 13. High and low position control |
| 6. Left turn signal indicator lamp | 14. Headlights |
| 7. Speed indicator | 15. Right and left turn signals |
| 8. Warning indicators | |



START/STOP

In addition to the functions on the display, your Blimo has a green and a red lever. To start moving forward, press down on the green lever. The throttle is stepless, so the more you press the lever, the faster the vehicle moves. To reverse, hold down the red lever instead. If you want to limit the top speed using the speed control lever or the high and low speed lever (13), the acceleration of the vehicle will also be smoother. This may be a good idea before you get used to your new mobility scooter.

Blimos mobility scooters are equipped with an electromagnetic brake, which is activated automatically as soon as you release the throttle.

NOTE: Avoid releasing the accelerator pedal suddenly, as this will cause the vehicle to stop very quickly. It is much more comfortable to reduce the throttle gradually!

TRAFFIC RULES

From a traffic regulation perspective, a Blimo scooter is considered a bicycle. This means you can ride your Blimo anywhere that bicycles are permitted. With a Blimo, you can also ride where walking is otherwise the only permitted mode of transport, such as on footpaths, pavements and in shopping centres. However, if you ride on these surfaces, you must maintain walking speed (approx. 5-6 km/h). In traffic, walking scooters must be ridden on the right-hand side and lights must be used when it is dark outside.

Settings

ADJUSTING THE HANDLEBAR

The handlebars can be adjusted to several different riding positions and can also be folded down completely. To loosen the handlebars, fold the locking lever downwards while tilting the handlebars slightly.

When the handlebars have released their fixed position, pull the handlebars to the desired position. You will hear a click when the handlebars have locked into place. Make sure that the handlebars click into place and are secure before riding.



ARM RESTS AND ACCESSORIES

The armrests can be adjusted continuously sideways by loosening the knobs on the side of the armrests. Once you have selected the desired position, tighten the knobs as much as possible.

You can also adjust the angle of the armrests using the small knobs on the underside of the armrests.

The knob on the back of the chair is for securing any accessories (such as a basket, trailer or crutch holder). If any of these is to be fitted, the plastic plug in the seat tube must first be removed.

Tighten these screws after you have used the vehicle for a while to ensure that they are securely fastened. Then fold the handlebar towards the seat.



ADJUSTING THE SEAT

No tools are required to attach the seat to your vehicle. Nor do you need to use tools if you wish to remove the seat in the future.

- 1) Feel free to lubricate the seat post with grease – for example, ball bearing grease. This will make it easier to remove the seat in the future if, for example, you need to transport your Blimo in a car.
- 2) Slide the seat on so that the seat post fits into the seat mount.
- 3) Pull the silver lever located under the right side of the seat and hold it in that position.
- 4) Turn and rock the saddle until it reaches the bottom of the saddle mount. You will hear a clicking sound.



MAINTENANCE

Unlike combustion engines, electric motors do not require regular servicing. However, there are a few points that we recommend you check regularly to ensure that your vehicle is functioning properly.

CLEANING

Clean the vehicle and seat regularly with a damp cloth. Avoid spraying water directly onto the vehicle as it may penetrate the electronics.

LONG-TERM STORAGE

If you are not going to use your Blimo for a long period of time, it is important to remember the following:

- 1) Store the vehicle in a dry environment.
- 2) Store the vehicle at above-zero temperatures, otherwise the batteries may freeze.
- 3) Charge the vehicle every 30 days.

It is also fine to remove the batteries from the vehicle during long-term storage. In this case, remember to connect a charger every 30 days. You can use a car battery charger and charge the batteries individually. It may also be a good idea to lubricate the steering to prevent any squeaking.

INSTRUCTIONS FOR REPLACING BULBS

Replacing the rear bulb/indicator

- 1) Unscrew the bracket for the bulb you intend to replace from the inside of the rear cover.
- 2) Once you have done this, simply remove the bulb and replace it.

Replacing the front indicator

- 1) Unscrew the bracket for the bulb you want to replace on the inside of the steering column.
- 2) Remove the existing bulb and replace it with a new one.

Replacing the front headlight:

- 1) The front headlight (D) is located under the front cover
- 2) Loosen the screws on either side of the bulb.
- 3) You can now carefully pull out the bulb and replace it.



INSTRUCTIONS FOR REPLACING FUSES

Your mobility scooter is equipped with fuses to protect the electronics in the event of an overload.

1. Spare fuse - 3A
2. Rear warning light - 3A
3. Left indicator - 3A
4. Front light - 3A
5. Right indicator - 3A
6. Charger - 10A

You also have a main fuse (70A) and a charging fuse (15A) or just a main fuse (100A) located between the batteries on your Blimo.



INSTRUCTIONS FOR CHANGING TYRES INNER TUBES

Your Blimo is equipped with sturdy rubber tyres and a replaceable inner tube. Occasionally, the tube may puncture or the tyres may wear out. It is important that you replace these with original parts to ensure the correct fit. Contact Blimo Hjälpmedel to order spare parts. A regular bicycle or moped repair shop can usually perform the replacement if you need assistance.

NOTE: Don't forget to tighten the wheel nuts after a period of use!

ORIGINAL WHEELS

Remove the wheel

Place the vehicle on a pallet or similar so that the punctured wheel is not touching the ground. In the centre of the wheel there is a cover that is attached with two small screws.

Unscrew the screws and lift off the cover. This will expose the wheel nut that secures the wheel to the axle. Loosen the central nut that secures the wheel to the wheel axle, preferably using a socket wrench that grips the entire nut. The wheel is now loose and can be lifted off the wheel axle.



Remove the tyre and inner tube

- 1) Let any air out of the inner tube. There should be no pressure left when you remove the tyre.
- 2) Unscrew all four nuts on the side of the rim.
- 3) Pull the rim straight outwards so that the rim is divided into two parts.
- 4) Remove the tyre and inner tube.

Fit the tyre and inner tube

- 1) Thread the inner tube valve through the rim side.
- 2) Inflate the inner tube slightly to ensure that it does not fold inside the tyre.
- 3) Place the inner tube in the tyre. Be sure to push the inner tube all the way into the tyre.
- 4) Bring the two rim sides together.
- 5) Reattach the four nuts.
- 6) Inflate to full tyre pressure (3.0 bar).

SPORTS WHEELS

1. Remove the key from the ignition lock.
2. Raise the side of the scooter from which you are removing the tyre. You can, for example, place wooden blocks under the frame to raise the scooter to the correct height.
3. Remove the nuts
4. Pull the wheel off the axle
5. Remove the two rims and remove the inner tube
6. Replace the inner tube
7. Push together
8. Slide the wheel onto the axle
9. Refit the nuts and tighten them securely
10. Inflate the tyre to the correct pressure (2.1 bar / 30 psi).



TYRE PRESSURE

Check that you have the correct tyre pressure for your wheel model before you start using your mobility scooter. If the tyre pressure is too low, you can pump up the tyres at a petrol station. If you want a hand pump at home, you can find a suitable one at your nearest bicycle shop. Get into the habit of checking the tyre pressure regularly, about once a month, as low tyre pressure significantly reduces the range.

TROUBLESHOOTING

If a problem occurs with your Blimo, your mobility scooter will display an error code. This means that your Blimo will beep and flash so that you can identify what is wrong. Please note that you must restart your Blimo after you have rectified any problems.

Problems	Error	Solution
The service light flashes twice at intervals.	The battery voltage is too low.	Charge your BLIMO.
The service light flashes three times at intervals to indicate an error.	The battery voltage is too high.	Check the battery connection.
The service light flashes five times at intervals to indicate an error.	The neutral position is engaged.	See how to fix the neutral position on page 3 of the manual.
The service light flashes six times at intervals.	The throttle has been used too early or is not in neutral position.	Switch off your BLIMO. Restart it and wait a moment before using the throttle control.
The service light flashes seven times at intervals.	The throttle lever is defective.	Contact us for assistance.
The service light flashes eight times at intervals.	The engine is disconnected.	Check that the engine cables are properly connected. Contact us for further troubleshooting.
The service light flashes nine times at intervals.	Possible fault in the electronics box.	Contact us for troubleshooting and repair.
Your BLIMO will not charge.	Reading error.	You can see your charging status on the charger itself. If the charger lights up red and green, your BLIMO is fully charged.
Your BLIMO won't charge, but it works.	The BLIMO's main fuse has blown, or a fuse in the charger has blown.	Replace the fuse or contact us for further troubleshooting.
The charger is not working.	The charger is not receiving any power.	Try plugging the charger into a different electrical outlet. Check the charger's fuse if necessary.
Your BLIMO is running too slowly.	The BLIMO's low gear is activated.	Press the button for high and low gear.
Your BLIMO suddenly stops while driving.	Poor battery connection.	Check that the battery pins are securely fastened. If the problem persists, please contact us.
Your BLIMO loses speed while driving.	Looseness in the speed control. This problem can occur if the steering wheel is used infrequently.	Switch off your BLIMO. Turn the speed control from low to maximum approx. 25 times. Restart your BLIMO.
Your BLIMO has a poor range per charge.	The battery is discharging too quickly or the tyre pressure is too low.	Fully charge the battery and inflate the tyres. If the problem persists, replace the battery.

CONTACT

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RAM NUMBER

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Your model

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