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Quick guide Mini Crosser X-Joy



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Introduction

Congratulations on your new Mini Crosser X-Joy electric mobility scooter. You have now taken possession of an electric mobility scooter developed for outdoor driving by active users. It is what is called a Class C vehicle in accordance with the European classification of electric scooters.

For optimum enjoyment of this vehicle - and to avoid breakdowns and accidents - we recommend that you read the User Manual carefully. As a new user, you should pay particular attention to the section entitled "Driving the Mini Crosser X-Joy".

Note:

This Quick Guide is to be regarded as a supplement to the User Manual. The information in the Quick Guide cannot, therefore, be expected to be complete.

NB: Errors and omissions excepted. Specifications subject to change.

We reserve the right to update this guide as required.

Warning!

The vehicle must not be lent to persons who are not completely familiar with it.

The vehicle is designed for one person only.

Max. user weight 150 kg.

Medema A/S is not responsible for any damage or injuries caused by inappropriate or unsafe use of the Mini Crosser.

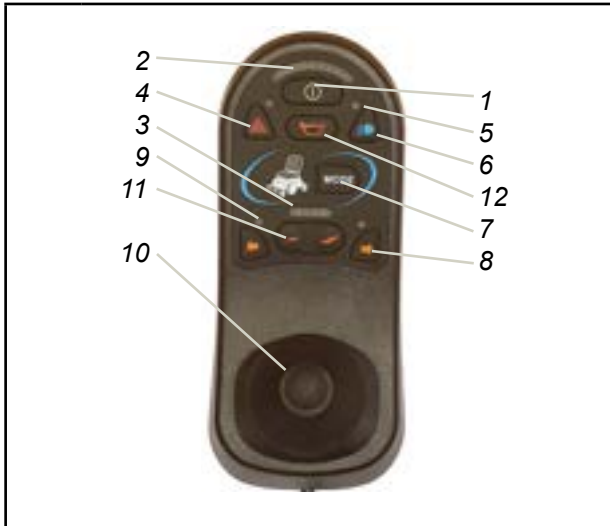


Designations

The following designations refers to the explanation later in the instruction book.



Designations Joystick

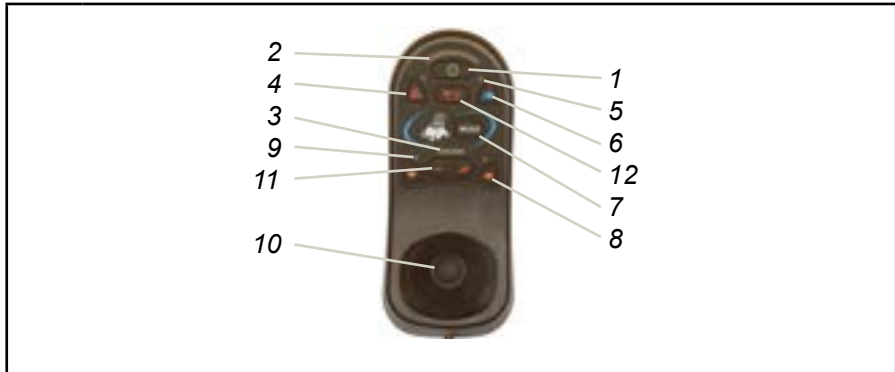


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1	Start/stop-button
2	Battery indicator
3	Driving profile
4	Warning blinkers
5	Mode LED
6	Light
7	Mode button (electric functions)
8	Blinkers left/right
9	Mode LED
10	Joystick
11	Speed increase / decrease
12	Horn



Designations functions



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1	Press the button 1 to start the Mini Crosser. Wait until the battery indicator is stable (3-5 sec).
2	Battery indicator Show a more precis indication after approximately one minute of driving. When all the LED is lit, the batteries are fully loaded. When only a couple of yellow lights are visual - charge as soon as possible. If only the red LED are showing, or if they are blinking - charge right away.
3	Driving profile show what the maximum speed are set to. There are five LED. One LED refer to lowest speed and five LED refer to maximum speed.
4	Warning blinkers - all blinkers are activated. Even if the vehicle is turned of, it will not stop blinking. To turn of the warning blinkers, the vehicle must be turned on, and press the button for warning blinkers button (4) again.
5	Mode LED - lights up when the associated function is active
6	Light - turn the front- and backlight on. Turn it off again by pressing the light button (6) again.
7	Mode button - (electric functions). Scrolls through the available electric functions. Use joystick up/down to adjust.
8	Blinkers (right and left) start blinkers on the side the arrow shows.
9	Mode LED - lights up when the associated function is active
10	Joystick - controls the direction and speed of the vehicle.
11	Speed increase/decrease - increase or decrease the maximum speed.
12	Horn - powerful electric horn.



General care and maintenance

A Mini Crosser X-Joy does not require much maintenance. It should be kept in a generally good condition, however. The following should be checked regularly:

- Tyre pressure (if pneumatic tyres are fitted)
- Tyre wear
- Keep the control panel, the charging socket and the electronics box under the seat dry.
- Battery charging

Never wash the Mini Crosser with a high-pressure cleaner or direct water jet! This could damage the Mini Crosser's electronics.

To keep the Mini Crosser in good condition safety-wise, we recommend the following regular checks:

Daily:

- Test the indicators and driving lights before using the Mini Crosser in the dark or poor visibility.

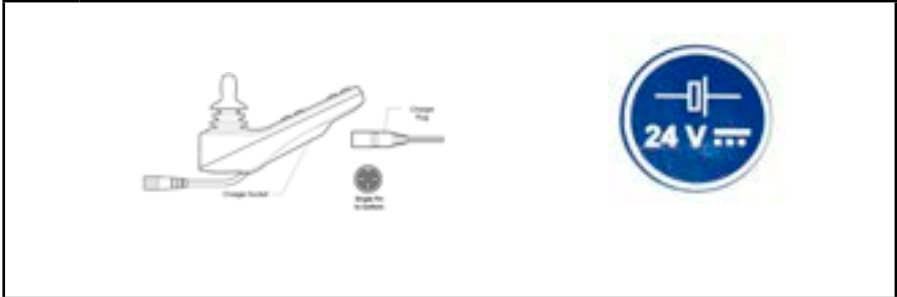
Every three months:

- Test the brake disengagement function. When the brake disengagement lever is up, the Mini Crosser must not be able to be pushed.

Further information in the User Manual



Charging



Charging	
1	Plug the cable into the control box on the scooter
2	Plug the charger into the outlet or switch it on
3	Use the indicator lights on the charger to check that charging has started.
4	When charging has finished, switch off or unplug the charger, and then remove the charger cable from the control box.

You are recommended to charge the batteries every night after you have used the scooter.

Note:

If the batteries are damaged or are leaking, you should avoid touching them because you may burn yourself.

Contact a qualified workshop immediately!

Old batteries must be delivered to an approved facility for safe disposal.
Further information in the User Manual.

Further information in the User Manual



Troubleshooting

When experiencing an electronic fault a number of LED in the battery indicator will light up. Below you can see the possible cause, and suggested action that you can try before calling the authorised service agent.

LED	Possible cause
1 LED	The batteries needs charging. Or there is a bad connection to one of the batteries. Check battery connections. If they are ok, try charging the batteries.
2 LED	Bad connection to the left motor. Check the connection. If it seems to be ok, contact authorised service technician.
3 LED	There is short circuit between the left motor and battery. Contact authorised service technician.
4 LED	Bad connection to the right motor. Check the connection. If it seems to be ok, contact authorised service technician.
5 LED	There is short circuit between the right motor and battery. Contact authorised service technician.
6 LED	The vehicle is inhibited from driving by an external signal. The cause is depending on the type of the vehicle. Contact authorised service technician.
7 LED	Joystick fault. Check that the joystick is centred and not moved during start up. Turn of the vehicle and then turn it on again.
8 LED	A possible system error is indicated. Check connections. Contact authorised service technician.
9 LED	There is a bad connection to the parking brake. Check the connection between motor and parking brake.
10 LED	Excessive voltage has been sent to the system. This is often due to a poor connection to the batteries. Check battery connections.
7 LED+ S	A communication error is indicated. Make sure that the joystick cable is properly connected and in no way damaged.



Serial number

All scooters have a serial number plate showing the year of production, month and serial number. The same serial number can also be found on page two of the User Manual.

Please quote the serial number when making inquiries about servicing, spare parts, etc.

Driving the Mini Crosser X-Joy

Getting on and off

It is important to learn a safe technique for getting on and off the Mini Crosser.

In general the following method should be followed:

- Make sure that the Mini Crosser X-Joy is turned off.
- Make sure that the brake is on. (Lever for disengaging motor in top position.)
- If necessary, turn the seat through 45° or 90° and make sure that it is locked in position (clicked into place).
- If necessary, raise the armrest.

Further information in the User Manual



Joystick lock / unlock

X-Joy can be locked, so unauthorized persons cant use it.

- Turn on the Joystick
- Push and hold the on/off button. After 1 sec, you will hear a short audio signal.
- Let go of the on/off button. Move the joystick forward until you hear a short audio signal.
- Move the joystick backward until you hear a long audio signal.
- X-Joy is locked.

It is now impossible to drive the X-Joy.

Unlock:

- Turn on the Joystick
- Move the joystick forward until you hear a short audio signal.
- Move the joystick backward until you hear a short audio signal.
- Let go of the joystick and you will hear a long audio signal.
- X-Joy is now unlocked.



General safety advice

- Make sure that the backrest is upright and the seat is as low as possible.
- Positioning belts are recommended if the user is unable to maintain a good driving posture independently.
- Adjust your driving to road conditions. Take account of light, traffic and weather. Be particularly careful when driving in the dark or in bad weather, such as rain or snow. Avoid driving on gradients with poor surfaces, such as: snow, ice, new-mown grass, wet grass and wet leaves.
- Never drive when under the influence. This applies not only to alcohol, but also to drugs and medicines.
- Reduce speed immediately if you feel you are losing control.
- Always use the indicators when changing direction.
- Check that lights and indicators are working before driving off. Use your lights when driving after lighting-up time.

ALWAYS switch the scooter off when it is not in use. I/O button.

WARNING! If the vehicle behaves abnormally in any way - makes noises, smells burnt, etc. - stop the vehicle immediately and seek technical assistance. By continuing to drive, there may be danger of fire or that vital parts are destroyed.

Note!

Never drive when under the influence. This applies not only to alcohol, but also to drugs and medicines.



When driving in traffic

Be particularly aware of the following when driving in traffic:

- The Mini Crosser is a low vehicle and not always easy for other road users to see. Make quite sure that other road users have seen you before driving onto the highway.
- Keep an eye on traffic behind you. Keep well over to the side of the road when driving on busy roads.
- Turning right and left at crossroads. Be aware of cyclists and pedestrians. Follow the rules of the road for cyclists.
- How quickly things are happening. How long do the lights stay green? How quickly are cars approaching? etc.



Brakes

There are three braking systems on the Mini Crosser:

- Motor brake - adjusts vehicle speed also when going downhill.
- Magnetic brake - the magnetic brake is automatic and engages when the Mini Crosser stops. In an emergency, the Mini Crosser can be stopped instantaneously by turning of the joystick. Please note that this will cause very hard braking. The rear wheels will lock.
Must NOT be used in the normal course of driving.

The brake must never be disengaged mechanically using the disengagement lever on a slope. This function is only designed for use when pushing the Mini Crosser on a flat road.

- Hand brake - intended as an emergency brake and parking brake. It must be operated with caution when driving in slippery conditions and downhill.



*When using the handbrake as a parking brake, lock it in braking position by pressing the button in while applying the brake.
To release the brake, press the button again.*

Handbrake lock



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