



medemagroup



Quick guide MC 1124

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Contents

Quick Guide - MC 1124	4
Introduction	4
Part names	5
Before using the MC 1124	6
Introduction CJS1	7
Designations - buttons	7
Settings menu	7
Set Time	7
Set Display Time	8
Set Distance	9
Set Backlight	10
Set Background.....	10
Adjusting seat and footrest.....	11
Trouble shooting	13
Charging.....	14
Driving the MC 1124	15
10 tips for driving the MC 1124:.....	16
Driving on public roads:	17
Driving on stairs/escalators:	17
Serious incident	17
Brakes	18
Motor braking:	18
Parking brake:	18
Disengagement:	18
Safety check	19
Serial number	19



Quick Guide - MC 1124

Introduction

Congratulations on your new MC 1124 electric mobility wheelchair. You are now the owner of an electric mobility wheelchair developed for use indoors as well as outdoors. It is what is called a Class B vehicle according to the European standard EN 12184.

For optimum enjoyment of this vehicle - and to avoid breakdowns and accidents - we recommend that you read the User Manual carefully. If you are a new user, you should pay particular attention to the section "Driving the MC 1124".

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 MC 1124.



Part names

The part names given below refer to the descriptions later in the this guide.



Before using the MC 1124

Before using the MC 1124, the chair must be adjusted to the user.

1. *Seat width adjustment. The seat width are usually decided before ordering a new chair. so it is only if something changes that it may be necessary to change the seat width.*
2. *Adjustment of the seat dept. Without user in the chair. See the section *Stepless adjustment of seat depth in the User guide.**
3. *Adjustment of armrests. With user in the chair. Adjust height, forward/backward, in/out and angle. See the section on adjusting armrests in the User Guide.*
4. *Adjusting the headrest. With user in the chair. See the section on adjusting the headrest in the User guide.*
5. *Adjusting the footrest. If it is a manual footrest, you need tools to adjust. But if it is electric, the user can adjust the footrest with the joystick. See how in the section - Footplate/footrest.*

Important!


If the user weight for the adult user exceed 100 kg, the front shock absorbers needs to be tightened. The shock absorbers must be adjusted equally on both sides. See the User guide under point “Adjust front shock absorbers”.



Introduction CJSM1

CJSM1 is a full programmable module based controller system, that makes it possible for the user to fully control movement and speed.

Designations - buttons

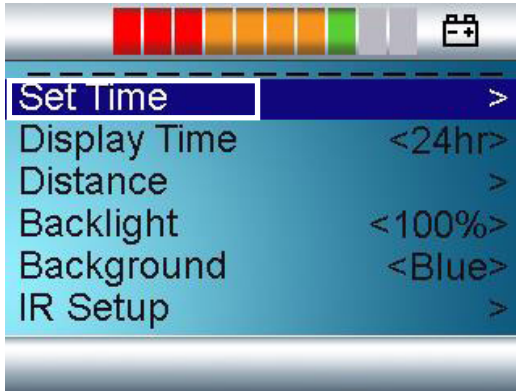
CJSM1		
	1	Start/stop-button
	2	Indicator right
	3	Function button
	4	Set up / change profile
	5	Horn
	6	Joystick
	7	Speed decrease
	8	Speed increase
	9	Light
	10	Indicator left
	11	Warning LED
	12	LCD screen

Settings menu

Set Time

The menu is accessed by depressing the Speed Down and Speed Up buttons simultaneously (Pos 7 and 8 in the table Designations - buttons).

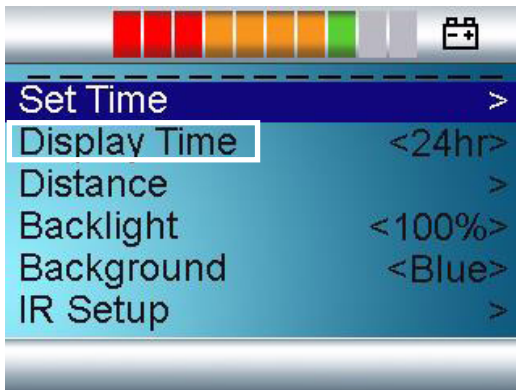




A right joystick deflection will enter a clock adjustment screen in which further joystick deflections are used to set the time.

Choose Exit to save and return to the main screen.

Set Display Time

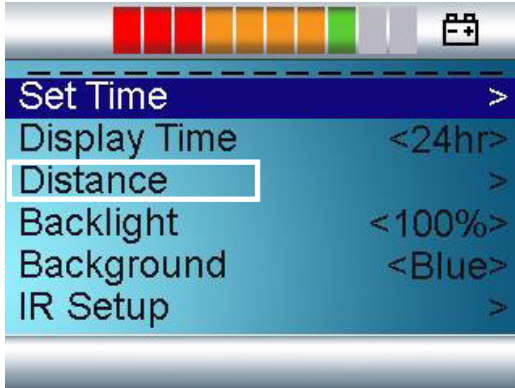


Choose the menu Display Time with the joystick. A right joystick deflection, enter the menu.

The following possibilities appears: 12hr, 24hr or OFF. Deflect the joystick to the right /left to choose the menu you want. Choose Exit



Set Distance

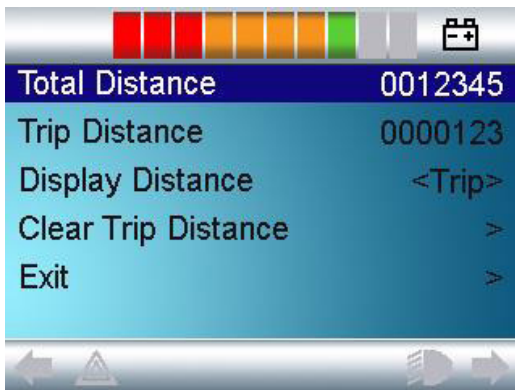


This sets the functionality of the odometer and a screen as below will appear.

Total Distance show the total distance this chair has driven with this Power module.

Trip Distance show the distance driven since last reset.

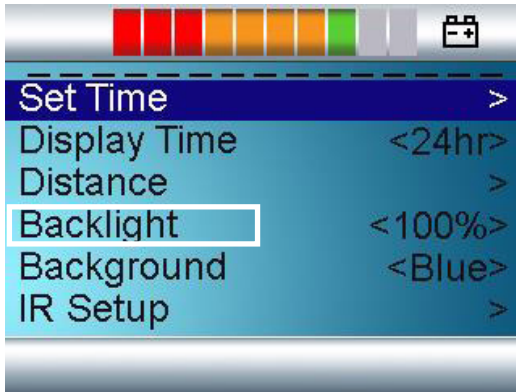
Select in this menu which value to show on the main screen.



The menu, Clear Trip Distance, resets the Trip distance to zero.

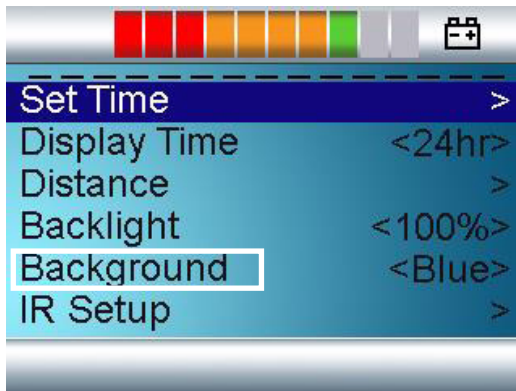
Exit - return to previous menu.

Set Backlight



This sets the intensity of the LCD backlight.

The adjustable range is 0% to 100% in steps of 10%. Adjustments are made with left and right joystick deflections.



Set Background

The standard setting from the factory is blue. But in bright sunlight, the white background can be better.

Options are: Blue, White, Auto.








If the choice is blue, it means that the background is blue in all profiles.

If the choice is white, it means that the background is white in all profiles. If the choice is auto the background is controlled by the parameter Background, where the background can be set per profile a.e. Blue for Indoor use, and White for outdoor profile.



Adjusting seat and footrest

Turn on the joystick and press the Function button (Mode) Use the joystick left/right to select the function you want to adjust. Press the joystick up/down to adjust.

Function	Icon
Tilt	
Seatback angle	
Seat lift	
Left leg support	
Right leg support	
Footrests both	
Resting position	

Only the available settings will be displayed.

System lock



Locking the system	
	Press and hold the ON/OFF button down for four seconds while the system is ON. Push the joystick forward until you hear a beep. Push the joystick back until you hear a beep. Now the system is locked.



Unlock the system	
	Push the joystick forward until you hear a beep. Push the joystick back until you hear a beep. Let go of the joystick. The system start in normal mode.



Trouble shooting

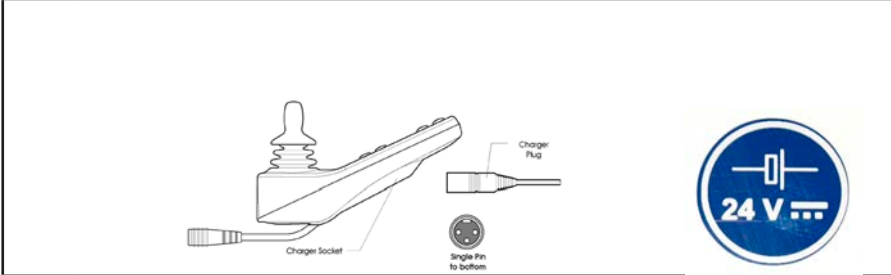
If a system trip occurs, you can find out what has happened by counting the number of LEDs on the battery gauge that are flashing.

Below is a list of self-help actions. Try to use this list before you contact your service agent.

LED	Meaning
1 LED	The battery needs charging or there is a bad connection to the battery. Check the connections to the battery. If the connections are good, try charging the battery.
2 LED	The left hand motor has a bad connection. Check the connections to the left hand motor.
3 LED	The left hand motor has a short circuit to a battery connection. Contact your service agent.
4 LED	The right hand motor has a bad connection. Check the connections to the right hand motor.
5 LED	The right hand motor has a short circuit to a battery connection. Contact your service agent.
6 LED	The wheelchair is being prevented from driving by an external signal. The exact cause will depend on the type of wheelchair you have.
7 LED	A joystick fault is indicated. Make sure that the joystick is in the centre position before switching on the control system.
8 LED	A possible control system fault is indicated. Make sure that all connections are secure.
9 LED	The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the control system connections are secure.
10 LED	An excessive voltage has been applied to the control system. This is usually caused by a poor battery connection. Check the battery connections.
7 LED+ S	A communication fault is indicated. Make sure that the joystick cable is securely connected and not damaged.



Charging



The diagram illustrates the charging setup. On the left, a wheelchair control box is shown with a 'Charger Socket' on top. A cable with a 'Charger Plug' is connected to it. The plug has a 'Single Pin to bottom'. To the right, there is a circular symbol with a battery icon and '24 V' written below it, indicating the battery voltage.

Charging	
1	Plug the cable into the control box on the wheelchair
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 wheelchair. (Further information in the User Manual)

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.

Driving the MC 1124

Before getting on or off the vehicle, you must check the following:

- A. That the wheelchair is switched off and that it is not disengaged.
- B. That the wheelchair and the seat you are moving to are both stable.
- C. Avoid placing your full body weight on the footrests. This may tip the wheelchair forwards.

While driving, you must place your arms on the armrests and your feet on the footrests.

Cables and leads must be fixed using ties.

Never attempt to climb onto raised objects or kerbs higher than 7 cm, and always approach changes of level head on, with the front and back wheels moving in a straight line.

Warning!

The seat should NEVER be hoisted while driving on uneven surfaces, slopes or up and down kerbs. The higher the seat is raised, the more unstable the chair becomes.

Note:

If your MC/vehicle is fitted with a docking system from Dahl Engineering, note that the clearance changes to 5.5 cm.

See the User Manual for details about driving on hills, inclines and declines, and driving on public roads.



10 tips for driving the MC 1124:

- Reduce the speed when turning corners and also when going downhill.
- Reduce the speed when driving on inclines. Max. incline = $6^\circ = 10\%$
- Reduce the speed when driving on a sideways incline.
Max. sideways incline = 6°
- Avoid parking on snow and ice.
- Always park on a level (flat) surface.
- Avoid driving off-road.
- Avoid driving on icy surfaces, or smooth surfaces (for example snow or freshly mown grass).
- Never attempt to climb kerbs higher than 7 cm. If the wheelchair has a docking system, the clearance is reduced to 5,5 cm.
- Avoiding driving over kerbs diagonally. There is a risk of tipping over.
- Not to be used for towing other vehicles, etc.

Note:

Do not drive the MC 1124 when under the influence. This applies to both medicine and alcohol.

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.



Driving on public roads:

When driving on public roads, footpaths, pedestrian streets, car parks, shopping centres, etc. you must make sure you adjust your speed and distance for other users. At 7 km/h you must follow the traffic rules applicable to cyclists. This also means that your lights must be switched on during lighting-up time. (Optional extra)

On footpaths, the maximum speed is 6 km/h. In this situation you are regarded as a pedestrian.

Note:

You should assume that other road users cannot see you while you are sitting in the MC. So take great care and wait for the road to clear before crossing.

Driving on stairs/escalators:

The wheelchair is not designed for use on stairs or escalators and any attempt to do so may cause serious injury to yourself and others.

Serious incident

Any serious incident that occurs in connection with MC 1124 must be reported to the manufacturer and the competent authority in the region of the country where the user and/or patient resides.



Brakes

The MC 1124 is equipped with two sets of brakes: The motor brake and the parking brake.

Motor braking:

When you drive downhill, the control unit of the MC 1124 applies the motor brake.

Parking brake:

When the vehicle is stationary and the joystick is not moved, a magnetic brake is automatically applied to each drive unit. For driving, the magnetic brake is released first, after which the MC 1124 can be driven as described above.

Note!

You must NEVER brake the MC 1124 by switching off with the I/O button while moving, as this applies the magnetic brake with considerable force, with a resulting risk of tipping.

Disengagement:

The MC 1124 is equipped with two disengagement levers: One on each side of the vehicle.

ALWAYS disengage on both sides.

Warning!

When the wheelchair is disengaged, the braking system is deactivated. Before an occupant is left unattended or attempts to operate the wheelchair, make sure that the disengagement handles are placed in (normal position for driving), which means it's connected (the chair can not be pushed).

You must NEVER disengage on sloping terrain. This can lead to serious damage or personal injury.





Normal position for driving - pushed up



Position for disengagement - pushed down

Safety check

See the User Manual

Serial number

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

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

Changes/adjustments

Changes/adjustments made to the Mini Crosser scooter and MC Electric wheelchairs must be carried out in accordance to MDR.

Original accessories for Mini Crosser or MC Electric wheelchairs, can be mounted on the main product and retain the CE marking.

Non-original or 3rd party accessories:

No changes may be made that affect the functionality or safety of the product. Accessories that are not original must be CE marked and have the same functionality as original accessories. Original attachment points and installation instructions must be used when installing alternative accessories. If these criteria are met, the product retains its original CE marking. We emphasize that, as a manufacturer, we do not take responsibility for the combination itself, it must be assessed and documented by the technically competent person who carries out the assembly.

The requirement for a technically competent person is that they have the professional competence to work with medical devices.

Non-original spare parts:

Original spare parts must be used for repairs in order for the product to retain its CE marking. Exceptions are screws and nuts that can be replaced with a component that has at least equivalent quality/performance to the original spare part.

Own notes









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