



User Manual

Excel Roadster DX8



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General introduction

Before you are going to use your new Excel Roadster DX8, you and your attendant must fully read and understand this user manual. Also, as you have this user manual, you agree to the conditions mentioned in this user manual. We want to thank you for the confidence in our Excel ® products.

The policy of Van Os Medical is focussed on continuously improving the quality and reliability of our products. We therefore reserve the right without further notice to make any changes to this user manual.

It is important you read this user manual very carefully, before you are going to use your scooter. This user manual contains important information about the safe use and maintenance of your scooter. We recommend you keep this user manual, because it is also your proof of warranty.

The safety instructions within are general guidelines, which must be seen as overall guidelines. It is possible that you develop your own way to make common movements. However, we advise you to consult a professional for assistance in developing safe and effective techniques, regarding your daily activities within your physical capabilities.

Your new scooter requires frequent maintenance, much of which you can do yourself. We advise you to take your scooter to a professional for a check at least once a year. You will find a maintenance schedule further on in this user manual.

Attention!

In this user manual you will find tips and warnings. These are clearly identified by the symbols and display of the text, like you can see below.



Tip

The tips mentioned in this user manual are meant to make better use of your Excel Roadster DX8 scooter.



Warning

The warnings mentioned in this user manual must always be followed, in order to prevent damage to the Excel Roadster DX8 scooter or injury to yourself.



Enter the information of your authorised dealer:

Company:

Address:

Phone number:

Fax number:

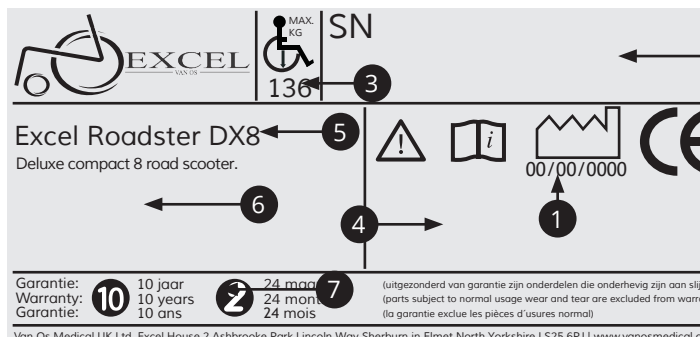
E-mail address:

Website:



1. Identification

Your scooter is equipped with a unique serial number. You will find this number on the frame of your scooter . Below, you can see an example of the frame label, where you can find the identification number. Furthermore, you will find the explanation of the various data stored on the frame label listed below.



1. Production date

The date of manufacture.

2. Serial number

Every scooter has its own unique serial number. You need this number if you have any technical questions or if you want to order any warranty parts for the scooter.

3. Maximum weight

The maximum weight allowed on the scooter.

4. Model number

This number indicates which model of scooter you have. You need this number when you have any technical questions or you want to order any parts of the scooter.

5. Model name

The model name of your scooter starts with the brand name Excel. The brand name Excel, followed by the additional model description forms the model name of the scooter. You need the model name if you have any technical questions or if you want to order any parts for the scooter, in this case the Roadster DX8.

6. Description

The intended use of your scooter is described here.

7. Warranty

Here, the warranty period of your scooter is reflected. Chapter 9 describes the warranty conditions in further detail.



2. General information

2.1. Components and structure of your scooter

1. Headrest
2. Armrests
3. Dashboard
4. Tiller
5. Basket
6. Seat adjustment levers
7. Freewheel lever
8. Rear wheels
9. Anti-tip wheels
10. Front wheel(s)



Your scooter is equipped with various components and parts. You should know these components and parts before proceeding with the reading of this user manual. Designs and specifications could be changed without further notice.

2.2 General explanation of your scooter

The Excel Roadster DX8 is a scooter that comes standard with every luxury; adjustable backrest that can be made to fit anyone's needs, a clear and userfriendly dashboard, the possibility to have left or right handed controls, and a removable basket on the front. Additionally, the Excel Roadster DX8 comes with a sound signal, theft prevention by means of a key, an angle adjustable tiller, impact resistant bumpers on the front and back, a headrest, impact resistant covers, a depth adjustable seat and height adjustable armrests that flip up. The seat can be rotated, the backrest can be flipped forward. The seat can also be removed completely and adjusted in height. Furthermore, the Roadster DX8 has brake lights.



3. Safety regulations

Van Os Medical B.V. specifically disclaims responsibility for any injuries or property damage, which may occur during any use when the recommendations and warnings described in this user manual are not followed.

The Excel Roadster DX8 is a very safe and stable product when used correctly, it is possible if you use scooter incorrectly that dangerous situations may occur.

3.1 General safety regulations

Protect your scooter by checking it regularly. When a part of your Excel Roadster DX8 doesn't function correctly, a dangerous situation could occur. Therefore, you must keep your scooter in perfect condition, to ensure safe use. Periodical inspection, a correct adjustment and replacement of broken or worn parts in quick time will result in use for years without any problems. A qualified Excel dealer, who will only use Excel replacement parts, will take care of your scooter and make sure you can use your scooter for years without problems.

3.2. Warnings for safe use

To prevent any damage to your property, the scooter or the user of the scooter, you must read the following warnings. Van Os Medical B.V. is not responsible for any damage, provided that the warnings are heeded. After reading the warnings, you agree with the regulations, mentioned in this user manual.

- Failure to follow all the instructions in this manual may result in damage to the scooter or serious injury;
- Always operate your scooter with thought, care and safety;
- Do not drive into curbs;
- It is important that the maximum user weight is not exceeded. The maximum user weight is the weight of the person including luggage, etc;
- Unauthorized modification and or use of parts not supplied by Excel will invalidate the warranty of this scooter and may lead to injury to the user and or damage to the scooter;
- Before riding, you should always check the scooter in the drive position;
- Do not let children play with or on your scooter and take any children on your lap;
- To avoid tipping hazard, do not make turns at full speed;
- All wheels must be in contact with the floor at all times during use. This will ensure the scooter is properly balanced;
- Do not use your scooter when it is damaged or has any malfunction;
- Do not attempt to use your scooter on an escalator. Always use an elevator;
- Do not carry passengers under any circumstances;
- Always make sure the scooter is off before mounting or dismantling;
- Do not drive backwards or across on an incline or across an uneven surface;
- Always make sure the seat is locked forward before operating your scooter;
- Always come to a full stop before changing direction from forward to reverse or from reverse to forward;
- Do not use your scooter if you are under the influence of alcohol, drugs or medication;
- Do not climb ramps or curbs that exceed your scooter's capacity;
- Always approach inclines straight on;
- Always be aware of and careful near mechanical pinch points especially when assembling and disassembling to your scooter;
- Never sit on your scooter when it is being transported;
- If you need to transport the scooter by car, you should always do this with the right system;
- Always keep extra care when driving on soft or uneven surface such as grass and gravel. Let's you run the risk of getting stuck in the ground;
- Always cross streets at intersections and use crosswalks or the most direct route, making sure that your path



- is clear and that you are visible to motor traffic;
- Never drive backwards off a curb;
- Never drive a curb or step up or down if it is higher than one third of the diameter of the wheels in cm;
- Never drive your scooter over a gap;
- Do not drive your scooter in icy or salted conditions;
- Always check with your doctor to determine if any of the medications you are taking may affect your judgment and/or your ability to operate your scooter. Also check with your physician concerning your physical ability to operate a scooter.
- Do not tow any type of load with the scooter.
- When driving outside, use pavements or bike lines. Never drive in car lanes.
- Do not drive beside a river, port, or lake without a fence or railing.
- If possible, avoid driving in the rain or at night.
- Keep your arms on or inside the armrests and feet on the footplate or footrests at all times.
- Do not attempt to cross over a gap greater than 4"/10 cm.



Warning

The implementation of changes to the Roadster DX8 scooter, which are structural changes, is at all times at the expense of the warranty.



4. User instructions

It is very important that you teach yourself the correct user instructions. Therefore, you need to know all the components of the scooter as described in this user manual. Always check with an expert about developing safe methods regarding your physical abilities to use your scooter.

4.1 Balance

Daily actions like getting in and out of the scooter, reaching and bending, will affect the balance of the scooter. This has to do with weight distribution and change in centre of gravity. To prevent the scooter from tipping over or other dangerous situations you should follow the directions described below.

4.1.1 Getting in and out of the scooter

Getting in and out of the scooter is a common action. The level of difficulty when getting in and out of the scooter depends on your physical abilities. In this manual we describe the steps you should follow to be able to get in and out of the scooter unattended. When you can no longer do this independently, we advise you to discuss your possibilities with occupational therapist to find out the best way to get in and out of your scooter.

Getting in the scooter

Before getting in the scooter, make sure it is on a flat surface. The scooter should always be in drive before getting in the scooter. Always check if the scooter is turned off. You can do this by checking the LED lights on the dashboard, these should be off. If the scooter is off, you eliminate the chance of accidentally touching the levers, possibly causing injury to yourself or others. The tiller should always be as straight as possible. There are two ways of getting in the scooter. You can turn the chair and get in, or raise the armrests and then get in. When you want to get in by turning the chair, you can rotate the chair 90 degrees with the lever on the right side of the chair. This way you can get in easily and turn the chair back into driving position. Would you rather get in without turning the chair, then you can raise the armrest on one side and get in. Before driving, always put the armrests back down. Put your foot in the middle of the footrest when getting in the scooter. If there is a seatbelt present, attach this before driving. For assuming the correct driving posture you can adjust the tiller to the desired angle. Put the key into the ignition and turn one quarter to the right. The LEDs on the dashboard will now light up and you will be ready to go.

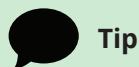
Getting out of the scooter

When getting out you should follow the same steps for getting in in reverse order. Make sure the scooter is always off and the key is removed from the ignition when getting out of the scooter. Put the tiller back into upright position. You can now turn the chair or raise the armrest and get out. Always try to get out as close to your destination as possible.



4.2 Going up and down inclines

It is possible you have to go up or down an incline with your scooter. In this manual we describe how you can do this independently.



Tip

Make sure you inspect the incline before negotiating. That way you will know what to expect and you can safely go upwards or downwards.

4.2.1 Going up an incline

When you want to go up an incline, always do so by going in a forwards direction, and perpendicular to the slope or ramp. Make sure to keep in control when going up the incline. This means not going up in the slowest speed setting, but with controlled average speed. Keep the scooter driving when going up an incline. Should you stop on an incline, restart and increase speed slowly. When you stop and then restart, it is possible that the scooter first moves backward a little bit, before continuing in a forward direction.

The anti-tip wheels that are always fitted to the scooter, provide extra safety when going up an incline. Additionally, it is important to not carry any extra weight like bags on your scooter. This keeps the center of gravity on the back of the scooter. Do not get on or off the scooter while on an incline. Do not attempt to drive across a sloping surface greater than 3°, this may cause risk of the scooter tipping over. Never go backwards down or up an incline. Do not attempt to go up an incline greater than 10°.



4.2.2 Going down an incline

When you want to go down an incline, always do so by going in a forwards direction. Additionally, you should always go down in a straight line. To keep control of your scooter it is important to not go down too fast. You can control your speed by the amount of tension you put on the levers.



Warning

Never go up or down an incline that is covered with snow, ice, recently mowed or wet grass, leaves or other possibly dangerous material.



Warning

If your scooter starts going faster than you want to when going down an incline, slowly release the gas lever. By feeding less power the scooter will automatically brake, causing the scooter to slow down. When you feel you have regained control of the scooter, keep the lever in this position.

4.3 Steering

The most important action on a scooter is steering. Below is described how to best do this in different situations.

You should always keep both hands on the handlebar to steer left or right. It is important to not assume a driving posture with straight arms, but it is better to slightly bend your arms. This provides more driving comfort. When you are about to take a turn, always decrease your speed. This prevents the risk of falling over with your scooter.

4.3.1 Steering in different situations

Your scooter is developed to increase your mobility. When driving, you will encounter different situations. To be able to steer well in these situations, we have described a few situations and how to best handle them. By following the steps below, you prevent dangerous situations from occurring.

Steering in small spaces

- Turn down to the lowest setting;
- Steer in the desired direction;
- Slowly pull the throttle lever.

Steering backwards

- Turn down to the lowest speed setting;
- Pull the left throttle lever;
- Turn the handlebar to the left to go left. When you want to go right, turn it to the right;
- Make sure there are no obstacles behind the scooter when driving in reverse.
If mirrors are present, keep an eye on them when driving backwards.



Uneven surfaces

- Your scooter performs perfectly on smooth surfaces. It is also possible to ride on uneven surfaces like grass, gravel and sand. The scooter can also ride on slippery surfaces like snow and ice. But we advise you to avoid these surfaces;
- When riding on uneven or slippery surfaces, adjust your speed to the situation;
- Make sure not to stop on these surfaces. You can avoid this by adjusting the speed to the lowest setting.

4.4 EMI / RFI

The fast development of electronics, mostly in the area of communication, has flooded our world with electromagnetic (radio) waves transmitted by TV, radio, laptops, microwaves and pacemakers. These electromagnetic waves are invisible and get stronger the closer one gets to a source. If these electromagnetic waves cause electrical appliances to stop functioning correctly or even completely stop working, this is called Electromagnetic Interference (EMI) or Radio Frequency Interference (RFI).

All electrical vehicles, including scooters, are susceptible for Electromagnetic Interference / Radio Frequency Interference (RFI). This can result in unexpected movements of your scooter. Should any unintended movements occur, or the brakes don't work as normal, turn off your scooter immediately. The FDA has ruled that every scooter should be able to resist EMI / RFI up to a certain level. The higher the level of interference it can withstand, the better the protection against EMI / RFI is. This is measured in volts per meter (V/m). The minimum resistance level against EMI / RFI should be 20 V/m. This product has been tested and found to have a resistance level of 20 V/m.

4.4.1. EMI / RFI recommendations

- Do not use personal electronic communication devices like a mobile phone, when using your scooter;
- Be extra careful when in the neighbourhood of radio- and TV towers;
- Turn off your scooter when you are standing still for a longer time;
- If unintended movement or brake release occurs, turn off the scooter as soon as it is safe to do so;
- Report all incidents of unintended movement or brake release to the manufacturer and note whether there is a radio wave source nearby;
- Be aware that adding accessories or components, modifying the scooter may make it more susceptible to interference from radio wave sources. (Note: there is no easy way to evaluate their effect on the overall immunity of the scooter).



5. Specifications

Below, you will find the specifications of the Excel Roadster DX8.

Total length	120 cm
Total width	61 cm
Total height	99 cm
Total weight	86 kg
User weight	Max. 136 kg
Available colors	Kite Blue, Benz Silver, Tuscan Red and Gallardo Orange
Seat width	46 cm
Seat depth	40 cm
Seat height	53 ↔ 58 cm (adjustable)
Turning radius	153 cm
Ground clearance	9.5 cm
Max. speed	8 mph
Battery	2x 12V / 35Ah
Charger	24V / 4Ah
Range	32 km (measured under ideal circumstances)



6. Components of the Excel Roadster DX8

In this chapter the different components of the Excel Roadster DX8 are described. On the scooter are a number of components present which are adjustable. If you want to add or remove any of its components, make any adjustments or replace components, you should always follow the instructions described in this user manual.

6.1 Dashboard

The Excel Roadster DX8 is equipped with a clear dashboard. The dashboard consists of different components that all have a different function. Below, several components are explained further:



1. Speed button

With this button, you can adjust the speed. By turning the button to the right, the speed will increase and when turning it to the left, speed is decreased.

2. Horn

By pressing this button, you can sound the horn. When used, you will hear a beeping sound used as the horn.

3. Warning lights

When you want to give a visual signal, you can use the warning lights. By pushing the button, the warning lights will flash. To turn off the lights, press the button again.



4. Control levers

To ride forwards with your scooter, pull the right lever. Of course riding backwards is also possible with the Excel Roadster DX8. You can do this by pulling the left lever. The Excel Roadster DX8 is equipped with automatic brakes. This makes the scooter brake automatically when the gas lever is released.

5. Traffic indicators

When you want to take a right or left turn, you should always indicate that you are going to change direction. This way, other traffic members know you are about to change direction. To use the traffic indicators, press the left or right button, depending on what direction you are going to turn.

6. Battery indicator

The battery indicator shows the level of power in the battery. Green means the battery is fully charged and red means power is running low and it is time to charge the battery.

It is important to avoid completely running out of power. By recharging the battery when it hits 20 percent, you can extend the battery life.

7. Lighting

This button turns on the lights of your scooter. The most important purpose of the lights is to be seen by other traffic members, preventing dangerous situations. By pressing the button again, the lights go off.

8. Half speed button (not pictured)

This is the green LED button located on the left side of the tiller, opposite the ignition key. By pressing the half speed button, the speed of your scooter will be halved immediately. This button is very useful when riding the scooter indoors. With this button, you are in better control of your driving.

6.2 Tiller

The tiller of Excel Roadster DX8 can be adjusted in angle very easily. By adjusting the tiller in the desired angle, your riding comfort is increased. You can adjust the tiller angle by following the steps below;

- Photo 1 shows the tiller in its most upright position;
- On the tiller you will find a lever. By pulling this lever, you can pull the tiller towards yourself;
- As soon as the desired position is achieved, let go of the lever;
- To put the tiller back into its most upright position, pull the lever and push the tiller forward, away from yourself. You should always put the tiller back in upright position before getting off the scooter (see chapter 4).



EXCEL ROADSTER DX8 | PHOTO 1

EXCEL ROADSTER DX8 | PHOTO 2



6.3 Ignition

The Excel Roadster DX8 comes standard with theft prevention by means of an ignition key. The ignition is located under the dashboard on the tiller. The key should always be in the ignition when you want to use your scooter. You can turn on the scooter by turning the key clockwise. When you want to turn off the scooter, turn the key counter-clockwise.

6.4 Armrests

The Excel Roadster DX8 is equipped with height adjustable, removable armrests that can also be flipped up. In this manual we describe how to adjust these on your scooter. Flipping the armrests up can be done simply by pulling the armrest upwards. Flipping up the armrest makes getting in and out of your scooter a lot easier.



EXCEL ROADSTER DX8 | PHOTO 3

EXCEL ROADSTER DX8 | PHOTO 4

Height adjustment

Not only can the armrests of the Excel Roadster DX8 be flipped up, they can also be adjusted in height. To change the height of the armrest, loosen the starknob on the back of the armrest. Next, you can move the armrest upwards or downwards. When the desired height is achieved, tighten the starknob.

Width adjustment

The Excel Roadster DX8 can be adjusted in width. Under the seat is a black starknob. If you want to adjust the width, loosen this starknob and lightly pull on the armrest. The armrest will slide outwards, widening the space between the two armrests. When the desired width is achieved, tighten the starknob.

The armrests can also be removed completely. When you want to remove the armrests, after loosening the starknob, slide out the armrest all the way.



6.5 Seat

The Excel Roadster DX8 is fitted with a height adjustable, 360 degrees rotateable chair with headrest. Additionally, the backrest can be folded forward and adjusted in angle. The 360 degrees rotateable chair makes getting in and out of the scooter easier. Underneath the seat on the right side is a lever that allows you to turn the chair. By pulling the lever upward, the mechanism unlocks and the chair can be rotated. By releasing the lever, the chair locks into position.



EXCEL ROADSTER DX8 | PHOTO 6



EXCEL ROADSTER DX8 | PHOTO 7



EXCEL ROADSTER DX8 | PHOTO 7

You can also move the seat of the Excel Roadster DX8 backwards and forwards. You can do this with the help of a lever. This lever is located on the right side of the seat. Pull the lever towards yourself and slide the chair backwards or forwards. When the desired position is achieved, you can let go of the lever.

The backrest of the seat can be adjusted in angle. On the right side of the chair, between the seat and the armrest, is a black lever. To adjust the angle of the backrest, pull the lever towards yourself. You can now adjust the angle of the backrest. When the desired backrest angle is achieved, let go of the lever.

It is possible to adjust the height of the seat. However, you can not do this yourself. We advise you to contact your Excel dealer to do this for you.

6.6 Freewheel

The Excel Roadster DX8 has two settings, namely the drive setting (photo 10) and freewheel setting (photo 11). The scooter should always be in drive when you want to use it. The freewheel setting allows you to move the scooter without turning it on. When the scooter is put in freewheel mode, it can be pushed without the motor giving resistance.



EXCEL ROADSTER DX8 | PHOTO 10



EXCEL ROADSTER DX8 | PHOTO 11



Warning

Never put the scooter in freewheel setting when it is on an incline. This way you prevent the scooter from rolling downwards unexpectedly.

6.7 Frame

The frame of the Excel Roadster DX8 is fitted with impact resistant covers and bumpers on the front and back. The advantage of the impact resistant covers is that these do not damage or break as soon as you hit something with your scooter.

6.8 Battery

The Excel Roadster DX8 is equipped with two closed, maintenance free batteries. Van Os Medical recommends to charge the batteries fully before first use. We advise you to do charge them for at least 12 continuous hours. The charger inlet is located on the tiller (see photo 12). The batteries of the Excel Roadster DX8 can not be removed for the purpose of charging.



EXCEL ROADSTER DX8 | PHOTO 12

6.8.1 Charging the batteries

To increase battery life, you should charge the batteries as follows;

- Turn off the scooter;
- Flip charger inlet cover up and plug the charger into the inlet on the back side of the tiller;
- Plug the charger into the power outlet;
- Do not turn on the charger before all plugs are plugged in correctly;
- The LED light will be a amber yellow colour during charging;
- When the batteries are fully charged, the LED light will turn green;
- If you do not use the scooter for a week or longer, fully charge the batteries and disconnect them from the scooter;
- When the scooter is not used, keep the batteries in a frost free environment of at least +6 degrees Celsius.



6.9 Wheels

The Excel Roadster DX8 has four air tyres and two anti-tip wheels.

6.9.1 Air tyres

The Excel Roadster DX8 has air tyres. Air tyres provide suspension and additional comfort. Keep in mind that air tyres need to be inflated from time to time, and that they can leak. We recommend a tyre pressure of 30-35 psi.

6.9.2 Anti-tip wheels

The Excel Roadster DX8 is fitted with anti-tip wheels. The anti-tip wheels are attached to the back of the scooter. The wheels will roll and move when riding over obstacles and provide additional safety.



7 Maintenance

Your Excel Roadster DX8 scooter needs periodical maintenance. This is necessary for long and optimum comfort for the user of the scooter. A badly maintained scooter will give you more technical problems, make it harder to steer and it won't be covered by the warranty. Preventative maintenance is very important. We advise your scooter is checked by a qualified Van Os Medical dealer at least once a year. This dealer will replace where necessary only Excel parts. These annual inspections will make sure your scooter will function correctly for years.

There are a lot of things you can do yourself to keep your scooter in optimum condition. If you regularly check the scooter and perform (small) maintenance tasks, this will extend the lifetime of your chair and increase the ease of use. In the following paragraphs these steps maintenance are further described.

7.1 The tyres

You need to check the tyres of the scooter regularly, because the tyres will wear out. If the wear is at an advanced stage, then you should replace the tyres.

7.1.1 Air tyres

Air tyres should be checked weekly for correct tyre pressure. You will find the recommended tyre pressure on the rear wheels and, you can check it with a standard car or bicycle tyre pressure gauge. If the tyres of the scooter do not have the correct pressure it will lean to the side where the lower pressure is. It will also affect the ride and it will mean you have to exert more effort to move the scooter. We recommend a tyre pressure of 30-35 psi.

Clean the tyres with car shampoo and a moist cloth. Do not use solvents on the tyres. These can damage or soften the tyres' material.

7.2 Bodywork

Taking good care of the bodywork is very important, because well maintained bodywork also protects the mechanical parts of your scooter. The main reason for taking care of the bodywork is to prevent it from rusting. To care for your bodywork, check the following aspects;

- Washing your scooter is useful for preventing dirt to stick to the material and eat away at it. Van Os Medical recommends you to wash your scooter weekly;
- Keep the bodywork of your scooter clean with car shampoo and a moist cloth. Do not hose down your scooter! You can dry the bodywork using a soft cloth;
- Use cold water and a mild soap to remove grease and dirt.



7.3 Upholstery

The upholstery of your scooter is also an important component. Torn or worn upholstery can not take human weight anymore and this can be dangerous. Regular monitoring of your upholstery is very important. Therefore, check the upholstery of your scooter on the following points:

- Check the textile coating for holes, cracks and general wear and tear.

When any of the above points show abnormalities, please contact the dealer where you bought the scooter. Only your dealer may make any repairs to the upholstery.

7.4 Cleaning your scooter

Cleaning your scooter is important and should be done regularly. You can get your scooter best cleaned as described below.

- Clean the upholstery, chassis and plastic components on the scooter regularly with a mild soap and water. Never use abrasive cleaners, they can damage the varnish. Also never use steam or high pressure cleaners;
- Wax the varnish of the chassis regularly. Never use solvents, abrasive waxes, caustic chemicals or spray silicone;
- Dry the scooter after cleaning. Also dry you scooter after you have been, for example, in a rainstorm.
-

7.5 Periodical maintenance

Preventative maintenance is very important and many of these things you can easily do yourself (or your attendant). We have highlighted below the maintenance you can do yourself.

Every week

- Check tyre pressure.

Every month

- Check upholstery for wear;
- Check wheel movement front and rear and check turn ability of the wheels.

Every three months

- Check tyre tread for wear.



7.6 Service checklist

To maximize the lifetime of your scooter, we recommend you to get your scooter checked at least once a year, by an authorised Van Os Medical dealer. The form below can be used for this check. The intensity of the scooter's use can vary greatly from person to person. Therefore, it may be that your scooter needs a check several times a year. Furthermore, maintenance is not covered under warranty.

	Service schedule								
Service number	1	2	3	4	5	6	7	8	9
Wheels: <i>excessive wear on the wheels, bearings, adjustments, tyres</i>									
Frame: <i>fracture, welding seams, plastic components</i>									
Armrests: <i>fixation</i>									
Sealing was / Coating / Chrome									
Upholstery: <i>adjust straps, check for wear</i>									
Fixation material on all the components.									
Teflon treatment for al moving parts.									
Seat cushion									
Checked by									
Inspection date									



8. Problem analysis and solutions

It is possible that some problems may occur during use of your Excel scooter. The form below shows the meaning of the different light signals. If you experience problems you can not find in this form, we advise you to contact an official Van Os Medical dealer.

Number of light flashes	Meaning
1 x	Battery needs recharging
2 x	Battery voltage is too low
3 x	Battery voltage is too high
4 x	Current limit time out / Controller overheated
5 x	Brake fault / scooter is in freewheel
6 x	Throttle not in neutral when power is turned on
7 x	Speed pot error
8 x	Motor connection fault
9 x	Internal controller error

It is important that you consult in case of error with your dealer. Except for 1 and 2 flashes. In that case you need to recharge the batteries. On for all other, you need to ask your dealer what to do. Never repair your scooter yourself. When you do this, the warranty expires.



9. Warranty

Your user manual is also the warranty form. Enter the relevant data on page five and keep this user manual safe.

9.1 Warranty application

On your scooter is a factory warranty label. It could also be possible that your dealer offers an additional warranty. However, in this user manual we are assuming the only warranty is the one given by Van Os Medical.

This warranty is only granted to you as the consumer. It is not intended to be used commercially (like hiring or institutional use). The warranty is limited to defects to materials and possible hidden shortages. Van Os Medical guarantees the following components on your Excel Roadster DX8 scooter :

- Warranty period on chassis; 10 years;
- Warranty period on battery and charger; 6 months;
- Warranty period on all other items; 12 months (excluding general wear and tear and consumables).

9.2 Warranty conditions

The warranty period starts upon the date of purchase of your scooter . If within the warranty period, your scooter develops a defect, it will be repaired or replaced. However you do need to provide to Van Os Medical a complete warranty registration form or a copy of the bill with date of purchase. Without a warranty registration form or a proof of the purchase, the warranty will start at the date when you purchased the chair from the dealer.

Repairs and replacements must be fitted by an authorised Van Os Medical service agent. To qualify for the warranty, your scooter must have an up to date service schedule. Furthermore, if a problem occurs, you need to inform the Van Os Medical service agent immediately.

When parts of the scooter fail within the warranty period of purchasing, the part or parts will be repaired or replaced free of charge, if the problem is a manufactory or material error and only if the scooter is with its original owner, our warranties are non-transferrable between shops or persons

This warranty does not include any labour charges incurred by replacements. Replaced or repaired parts fall under the same warranty conditions as the original scooter . Worn parts are not guaranteed, unless these parts are worn as a direct result of an original manufacturer defect. These parts are for example upholstery, tyres, inner tubes and similar kinds of parts. The warranty conditions above describe all scooter parts, and are applied for the models bought at the normal price.



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Under normal circumstances no responsibility is accepted when the scooter needs replacement or repairs as a direct result from:

- Not maintaining the scooter and parts according to the recommendations of the manufacturer, or not using the specific original parts;
- Damaging the scooter or parts by inattentive use, accident or wrong use;
- Adjusting the scooter or parts, different from the specifications of the manufacturer, or reparations done before the service agent is warned.
- If the product is not equipped with an original factory frame number and identification label as described in the manual, see chapter 1.

The scooter which is described and shown in this user manual can differ from your own model in details. However, all instructions are relevant, independent of slightly different details. We reserve the right to change the product in this user manual without further notice. All drawings, measures and capacities showed in this manual, are approximations and may be slightly different to your scooter's specifications.



Warning

Van Os Medical B.V. cannot be liable for any consequent or individual damage whatsoever. While this manual is created with care, it is not exclusive. If your scooter does not comply with the rules contained in this user manual, you will first go to an authorised Van Os Medical dealer to discuss the problem. The warranty is only valid during the indicated period. If adjustments are made to the Excel Roadster DX8 scooter, which have structural impact on the product, the warranty will expire completely.

For warranty service, contact your authorised dealer from where you bought your scooter. If it occurs that you are not helped to your satisfaction concerning the warranty service, please contact Van Os Medical in writing. You can find the address on back of this user manual.



Tip

Maintenance is not covered under warranty. Your dealer may deviate from the maintenance interval.



DECLARATION OF CONFORMITY



VAN OS MEDICAL

Declaration of Conformity

Product identification

Product group:	Mobility scooter
Brand:	Excel
Model:	Roadster DX8
Number:	VOS.TCF.EX.0963

Manufacturer

Name	Van Os Medical B.V.
Address	Koperslagerij 3 4651 SK Steenberghe
Country	The Netherlands

Means of Conformity

The product is in conformity with Directive 93/42/EEC based on the use of a Technical construction file in accordance with Article 9 (Class I products) of the Directive.

Signature of EU Representative

EU Representative:	Remco Wijnand van Os
Function:	Director
Place:	Tholen
Date:	17-11-2016





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