



User Manual
Excel G-Logic 



User Manual | Excel G-Logic



Table of contents

1. Introduction	4
2. General information	5
3. Technical specifications of the Excel G-Logic	6
4. Safety regulations	7
5. Crash test	8
6. Operation and propulsion	9
7. Disassembly and folding	10
8. Folding back mechanism & brake operation	11
9. Attendant brakes	12
10. Legrest operation	13
11. Using the stepper tube	14
12. Care and maintenance	15
13. Warranty	16
14. Identification	18



Introduction

Before you use your new Excel G-Logic, 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 within. We want to thank you for the confidence in our Excel® products.

The policy of Van Os Medical is to focus 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 use your wheelchair. This user manual contains important information about the safe use and maintenance of your wheelchair. 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 will 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 wheelchair requires frequent maintenance, much of which you can do yourself. We advise you to take your wheelchair 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 help you make better use of your Excel G-Logic wheelchair.



Warning

The warnings mentioned in this user manual must always be followed, in order to prevent damage to the Excel G-Logic wheelchair or injury to yourself.



General information

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

1. Push handles with attendant brakes
2. Foldable backrest
3. Armrests
4. 24" rear wheels (Quick-Release)
5. Seat
6. Legrests
7. Brake
8. Stepper
9. Footplates
10. 7" front wheels (castors)



Your new Excel G-Logic wheelchair is a lightweight wheelchair. The wheelchair is equipped with attendant brakes on the push handles as standard, so your attendant can easily push and control the wheelchair. The armrests of the wheelchair are height adjustable. The leg supports of the Excel G-Logic are swing away and removable. In addition, the foot plates are adjustable in height, however, this is only possible with the supplied Allen key. Finally, the wheelchair is equipped with 7 "front wheels and 24" rear wheels. The 24 "rear wheels are quick-release. This means that you can easily remove the rear wheels for transportation.



Technical specifications of the Excel G-Logic

Total length	108 cm (incl. footrests)
Total width	Seat width + 20 cm
Total height	95 cm
Total weight	11,5 kg
User weight	Max. 113 kg
Seat width	40, 45 and 50 cm
Seat depth	42 cm
Seat height	54 cm
Back height	42 cm





Safety regulations

Van Os Medical B.V. specifically disclaims responsibility for anybody's injuries or property damage. This may occur when the recommendations and warnings described in this user manual are not followed.

The Excel G-Logic is a very safe and stable product when used correctly, it is possible if you use the wheelchair incorrectly that dangerous situations may occur.

General safety

Protect your wheelchair by checking it regularly. When a part of your Excel G-Logic doesn't function correctly, a dangerous situation could occur. Therefore, you must keep your wheelchair in perfect condition, to ensure safe use. Periodical inspection, correct adjustment and replacement of broken or worn parts by a qualified Excel dealer in quick time will result in use for years without any problems.

Warnings for safe use

To prevent any damage to your property, the wheelchair or the user of the wheelchair, 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.

- When you get your wheelchair, always check if all components are present and if there is any damage. If components are missing or if there is any damage, you must contact your supplier immediately;
- Do not use your wheelchair in sand, rough areas, wet and slippery surfaces or surfaces with little grip;
- Do not lean on the push handles of the wheelchair. This can result in the chair tipping backwards or cause the handles to snap;
- Never go on or off an increase in height without help of your attendant;
- Do not stand on the footrests, they are not designed to be stood on, these are only to be used as footrests when seated. Standing on the footrests will cause damage to your chair and potentially to yourself;
- Place the wheelchair on a stable, flat surface before you get in or out;
- The lowest point of the footrests should be a minimum of 7 cm above the ground;
- Engage the brakes when you use the wheelchair in a lift or in a wheelchair lift, also apply the brakes when you want to get out of the wheelchair;
- If you want to transport your chair, we recommend you use a certified tie down system that is appropriate for your situation;
- The maximum user weight capacity has been indicated on your frame label. Do not exceed it;
- The wheelchair is suitable for one person at a time. Also, do not take anybody on your lap while using the wheelchair;
- A sudden change of direction may cause the wheelchair to tip over;
- Never go up a slope that is steeper than 10 degrees. You should only go up an increase or slope this big when you are with an attendant;
- Unauthorised modification or use of unofficial Van Os Medical parts will void the warranty of the chair and may lead to injury to the user or damage to the chair.



Crash test

The Excel G-Logic has been crash tested and approved for travelling inside a moving vehicle.

To be certain for sure that this chair is 100% safe, you must make sure the chair is fixated correctly at the indicated tie-down points. The image below shows the crash test certificate.



Customer	VAN OS Medical
Test Item	G-Logic Manual User Propelled Wheelchair
Test	ISO 7176-19:2008 as amended by EN 12183:2014
Millbrook Report No.	17/1000
Millbrook Test No.	S14835

Author:  **B. Appleyard
Engineer**

Approved:  **N. Targett
Manager: Safety Test
Engineering**

Date: 26th June 2017



Operation and propulsion

Before using your new Excel G-Logic, please make sure you have read and understood the Safety Regulations.

The transit wheelchair can only be propelled by an attendant. The attendant should push the wheelchair from behind using the push handles.



EXCEL G-LOGIC | PHOTO 1



EXCEL G-LOGIC | PHOTO 2

The self-propel version of this wheelchair can be propelled by an attendant or by the wheelchair user. The user can propel themselves by pushing on the hand rims attached to the side of the rear wheels, to slow yourself, simply apply slight pressure.

When stationary, the brakes should always be applied.



Disassembly and folding

Transporting the wheelchair

Your Excel G-Logic is designed to be easily transported by car. Your wheelchair is foldable so the total width is limited to an average width of 30-35 cm. Furthermore your wheelchair is equipped with swing-away and detachable footrests. As well as the footrests, some other components are removable for transportation. The rear wheels can be detached by using the quick-release system.

Folding and unfolding

To fold the wheelchair, please follow the following operations:

- Before you fold the wheelchair, remove the back and seat cushion;
- To completely fold your wheelchair the footrests need to be in the correct position as per photo 4;
- To fold the wheelchair you have to stand adjacent to it. Hold and pull the seat like shown on photo 5;
- The wheelchair can be made smaller and lighter for transportation purposes. To remove the rear wheels you need to use the quick release axle system as per photo 6.



EXCEL G-LOGIC | PHOTO 3



EXCEL G-LOGIC | PHOTO 4



EXCEL G-LOGIC | PHOTO 5



EXCEL G-LOGIC | PHOTO 6

To unfold your Excel G-Logic, please follow the above steps in reverse order.



EXCEL G-LOGIC | PHOTO 7



EXCEL G-LOGIC | PHOTO 8



EXCEL G-LOGIC | PHOTO 9



Folding back mechanism & brake operation

The backrest

The backrest of the G-Logic is attached to the tubes of the push handles. The backrest is foldable. To fold the backrest, please follow the following steps;

- Stand behind the wheelchair;
- Squeeze both black handles on the back of the chair at the same time (see photo 10);
- The folding mechanism is unlocked, you can now fold down the back (see photo 11).



EXCEL G-LOGIC | PHOTO 10



EXCEL G-LOGIC | PHOTO 11

The brakes

Your G-Logic comes with brakes on the self-propelling wheels and also on the push handles. We recommend you engage the brakes when going in and/or going out of the wheelchair, but also when you are stationary. If you want to engage the brakes, please follow the following steps;

- When sitting in the wheelchair with the brakes disengaged, you will see the situation as it is on photo 12;
- To apply the brakes, push the brake lever forward (photo 13);
- The brakes are now applied (photo 14);



EXCEL G-LOGIC | PHOTO 12



EXCEL G-LOGIC | PHOTO 13



EXCEL G-LOGIC | PHOTO 14



Attendant brakes

The push handles of your G-Logic are designed with attendant brakes as standard (photo 15). As a result, the attendant can safely control the speed of the wheelchair, as well as simply apply the parking brake when necessary.

The parking brake can be applied by pulling the big lever and nudging the little clip with your index finger. They will now lock into place, keeping the brake applied even when you let go of the lever. Squeeze the big lever again to release the brake.



EXCEL G-LOGIC | PHOTO 15



EXCEL G-LOGIC | PHOTO 16



Legrest operation

The Legrests of the Excel G-Logic are both foldable and removable. To remove them, you should follow the steps described below.

- The Legrests of the wheelchair are shown on photo 17;
- By pulling the black lever up (photo 18), you can swing away the legrests and remove them;
- In photo 19 you can see the legrests swung away;
- To remove the legrests, simply pull upwards after the above steps are completed;
- To replace the legrests, follow the steps for removal in reverse order. A click will confirm when the legrests are fitted properly.



EXCEL G-LOGIC | PHOTO 17

EXCEL G-LOGIC | PHOTO 18

EXCEL G-LOGIC | PHOTO 19

EXCEL G-LOGIC | PHOTO 20

It is also possible to adjust the height of the footplates, however an Allen key is required to do so (your Allen key can be found in the tool kit supplied with your chair). Please see below steps on how to do this.

For easy adjustments, remove leg rests as stated above;

- Undo the black grub screw at the bottom of the legrest hanger;
- Fully remove the screw;
- Line the hanger and the footplate up with the pre-drilled holes to the desired length;
- Tighten the grub screw back up.



Using the stepper tube

The Excel G-Logic is equipped with two steppers (photo 21). An attendant can use the stepper tube to raise the front castors (when mounting a kerb for example). To use, push down on the stepper tube with your foot. Do not raise the front castors by pushing down on the push handles as this could result in damage to the wheelchair.

To mount a kerb, approach it head on. Then the attendant uses the stepper tube to raise the front castors, and lowers the front castors on the raised kerb. Finally the attendant should push the wheelchair forward, lifting it up slightly to mount the kerb if required.

To go down a kerb, line up the front castors with the edge of the kerb. The attendant uses the stepper tube to raise the front castors and tip the user slightly back. Keeping the castors raised, slowly lower the wheelchair down the kerb.



EXCEL G-LOGIC | PHOTO 21



Care and maintenance

Your G-Logic wheelchair needs periodical maintenance. This is necessary for the upkeep of moving components. A badly maintained wheelchair will give you technical problems, make it harder to steer and it won't be covered by the warranty. Preventative maintenance is very important. We advise that you take your wheelchair to a qualified Van Os Medical dealer to be checked over at least once a year. These annual inspections will make sure your wheelchair can function correctly for years.

Before each use of the wheelchair, the brakes and tyres should be checked. The wheelchair should be stored in a dry environment, away from direct sunlight. The wheelchair should be kept clean and dust free. This can be done with a duster or damp cloth.

Please make sure you check the following items regularly, if you have any issues please refer back to the Van Os Medical dealer that supplied you your wheelchair;

- Tyre wear;
- Wheel bearings;
- Castors;
- Brakes;
- Legrest locking mechanism;
- Seat upholstery;
- Back upholstery;
- Arm pads;
- Rear wheel quick-release pin;
- Half folding back mechanism.



Warranty

Your Excel branded product is warranted to be free of defects in materials and workmanship for one year from the date of purchase. This device was built to exacting standards and carefully inspected prior to shipment. This warranty is an expression of our confidence in the materials and workmanship of our products and our assurance to the customer.

This warranty does not cover device failure due to owner misuse or negligence, or normal wear and tear. The warranty does not extend to non-durable components, such as rubber accessories, castors or grips, which are subject to normal wear and tear and needs periodic replacements. The wheelchair side frames and cross frame have a warranty period of 10 years.

Warranty conditions

As mentioned above, the warranty period is for 12 months only and starts on the date in which you purchased your wheelchair from the dealer. If within the warranty period your wheelchair develops a manufacturers defect, it will be repaired or replaced with genuine Excel parts.

Repairs and replacement must be fitted by an authorised Van Os Medical service agent. This warranty does not include any labour charges incurred by replacements. Replaced or repaired parts fall under the same warranty conditions as the original wheelchair. Worn parts are not guaranteed, unless these parts are worn as a direct result of an original manufacturer defect. Please see above for an example of which parts this applies to.

Please note:

This warranty lies with the wheelchair. Our warranties are **non-transferable** between shops or persons.



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 wheelchair 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 G-Logic wheelchair, which have structural impact on the product, the warranty will expire completely.

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

- Not maintaining the wheelchair and parts according to the recommendations of the manufacturer, or not using the specific original parts;
- Damaging the wheelchair or parts by inattentive use, accident or misuse;
- Adjusting the wheelchair 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 below.



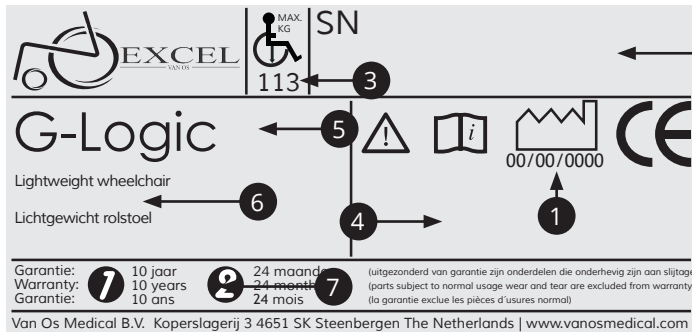
 **Tip**

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



Identification

Your wheelchair is equipped with a unique serial number. You will find this number on the frame of your wheelchair. 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 wheelchair 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 wheelchair.

3. Maximum weight

The maximum weight allowed on the wheelchair.

4. Model number

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

5. Model name

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

6. Description

The intended use of your wheelchair is described here.

7. Warranty

Here, the warranty period of your wheelchair is reflected. Page 16 describes the warranty conditions in further detail.



DECLARATION OF CONFORMITY



Declaration of Conformity

Product identification

Product group:	Manual wheelchair
Brand:	Excel
Model:	G-Logic
Number:	VOS.TCF.EC.3373

Manufacturer

Name	Van Os Medical B.V.
Address	Koperslagerij 3 4651 SK Steenbergen
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:	Wijnand van Os
Function:	Director
Place:	Steenbergen
Date:	01-06-2016



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