

 **Netti** VISION FAMILY

Netti[®]
BY ALU REHAB

USER MANUAL



This product conforms to
93/42/EEC for medical products.



Enable joy of life

My-Netti.com

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1. INTRODUCTION

Netti Vision is a comfort wheelchair meant for both indoor and out-door use.




In Alu Rehab we believe that wheelchairs should be chosen based on a thorough assessment focusing on the needs of the user and demands from the environment.

Therefore it is important to know about the possibilities and restrictions of the wheelchair. Netti Vision is a wheelchair designed for users with the need for comfort and relief. The combination between the seating system and the ergonomical solutions in the frame construction, offers many possibilities for adaptation and adjustments for long time seating.

The wheelchair is constructed for indoor and outdoor use, and offers the possibility to vary the sitting position from activity to rest using tilt and recline functions.

Max user weight: 100 kg.

 Specifications varies between countries.

1.1 Areas of use/indications

Netti Vision

Netti Vision is a multi-function wheelchair created for only attendant handling, for partially or fully immobile persons with physical and/or mental disabilities. These disabilities may have multiple causes. Netti Vision has an adjustable seat and back angle,

thus facilitating for the user change of position, mobilisation or posture correction (stabilisation), wherever the following functional impediments with their multiple possible causes are present:

- limited or lacking mobility
- limited or lacking muscle power
- limited movement range
- lacking or limited trunk and body stability
- hemiplegia
- rheumatic-type disorders
- craniocerebral injuries
- amputations
- other neurological or geriatric disorders.

1.2 Contraindications

Netti Vision is not suited for persons with a strongly enhanced muscular spasticity. In this case we recommend the Netti Dynamic System, which offers a frame construction that follows the movement pattern of the user. Ignoring this advice could in unfavourable circumstances lead to the deformation or fracture of metal parts in the area of the back tube, the leg rests or the arm rests

1.3 Quality and durability

As manufacturer, Alu Rehab A.S evaluates the test to be equal to 5-6 years of normal use of the chair. The disability of the user as well as the level of maintenance done foremost decides the durability of the wheelchair. Thus, the durability will vary depending on these two factors.


1.4 The environment and waste disposal

Alu Rehab and its suppliers wish to protect the environment.

This means:

- That we avoid using environmentally harmful substances and processes to the greatest extent possible.
- That Alu Rehab's products are ensured a long service life and a high degree of flexibility - to benefit the environment and economy.
- That all packaging can be recycled.
- That the wheelchair was designed to be separated into its component materials - to make recycling easier.



-  Contact your local recycling agent to get correct information how to handle in your area.

1.5 Information for re-use

All products from Alu Rehab are designed to require low maintenance and easy service. All products can be adapted for re-use by an authorised dealer. In order to guarantee performance and safety, Alu Rehab recommends the following tests prior to any re-use.

Please examine the following components for function, integrity etc. and replace parts as necessary:

- Wheels (tyre tread)
- Wheelchair frame
- Cushions
- Hubs
- Brake function
- Directional stability of wheels
- Bearings
- Foot supports
- Arm supports
- Head support
- Recline / tilt function
- Push bar
- Anti tip

Please also note the content of chapter 9.2 Cleaning and washing

Anti-tip

Correctly fitted, the anti-tip will secure the chair from tipping backwards. We strongly recommend use of the anti-tips.

Recycling

All wheelchair components can be split into separate one material pieces for easy recycling; exception is the armrest with metal frame integrated in PUR foam which has to be cut.

1.6 About this manual

In order to avoid damages while using the Netti Vision wheelchair, please read this manual carefully before starting to use the chair.



Symbol of forbidden actions. No warranty can be claimed whenever these actions are implemented.



Symbol of warning. Whenever this symbol is used, caution has to be taken.



Symbol for important information.




Symbol for useful tips.



Symbol for tools.

1.7 Vital measures

Netti Vision is a comfort wheelchair designed for both outdoor and indoor use.

 Specifications varies between countries.

Total weight: 27 Kg

(400 mm width chair)

Seat width:



400 mm *

*Assortment varies between markets.

Seat depth:

(From back rest cushion to front of seat plate)



350, 375, 400, 425 mm

Seat height:

(From floor to top seat plate)



385 mm*

*16" drum brake wheels.

Backrest height:




450 mm

Specification	min.	max.
Overall length with foot support (WB 399)	865 mm	-
Overall width	552 mm	-
Folded length	658 mm	-
Folded width	283 mm	-
Folded height	840 mm	-
Total mass with cushions	27	27
Mass heaviest part	17 kg	-
Static stability uphill		
Seat plane angle	-2°	30°
Effective seat depth	350 mm	425 mm
Effective seat width	350 mm	450 mm
Seat surface height at front	382 mm	-
Backrest angle	90°	109°
Backrest height	453 mm	400 mm
Foot support to seat distance	222 mm	400 mm
Leg to seat surface angle	90°	210°
Arm support to seat distance	39 mm	340 mm
Front location of arm support structure	338 mm	-
Horizontal axle location	0 mm	0 mm
Minimum turning radius	R628	-


Measured with std. 16" & 6" wheels.












2. QUICK REFERENCE

The content of this page is a summary of the whole manual. It gives a brief introduction to the use and care of the Netti Vision wheelchair.

 The quick reference is not a replacement for the manual, only a reminder/check list.

- Unpack the wheelchair (Chapter 6.1)
- Mount the seat cushion (Chapter 6.8)
- Mount the backrest cushion (Chapter 6.5)
- Mount the foot supports (Chapter 6.9)
- Mount the head support (Chapter 6.10)
- Mount accessory. (See chapter 5 for more information. Mounting descriptions will accompany the accessory.)

 For troubleshooting, see chapter 10. For mounting and adjustments see chapter 6.

-  Drive carefully!
-  Salt water can increase risk of corrosion. Further precautions related to environmental conditions not needed.
-  When the chair is tilted rearwards, the anti tips and brakes should always be in use.
-  Be sure to lock all handles properly.
-  The anti-tips should always be used for the safety of the user.
-  Surface temperature of metal parts in frame structure might increase when exposed to direct sunlight.
-  Never stand on the foot supports due to risk of tipping forwards.
-  Never lift the wheelchair by the foot supports or arm supports.
-  Product configuration may vary between different countries.
-  For visually impaired people, manuals and catalogues can be downloaded at www.alurehab.com
-  If in doubt - contact your dealer!

3. DESCRIPTION

Standard version*

1. Head support
2. Angle and depth adjustment for head support
3. Head support bracket
4. Push bow
5. Release handle
6. Main wheel
7. Anti tip
8. Brakes
9. Front castors
10. Front fork
11. Foot plate
12. Calf support
13. Calf support bracket
14. Angle adjustable foot support
15. Seat cushion
16. Arm support with pad
17. Back cushion
18. Push bow shaped tube
19. Release handle Tilt
20. Release handle Back



If any of these parts are missing, please contact your dealer.

* Product configuration may vary between different countries.

4. Features of Netti Vision

STANDARD

SEAT

- Pressure distributive cushion
- Tilt -2° to +30°
- Adjustable depth of 7,5 cm

WHEELS*

- 16" puncture proof main wheels with fixed axle
- 6" Puncture proof front castors with quick release axle

* Standard main wheels may vary between countries.

BACKREST

- Angle: 90° to 110°
- Height: 45 cm
- Netti Nordic Back
- Push bar
- Push handles

FOOT SUPPORT

- Angle adjustable foot support
- Height- and angle adjustable foot plates
- Height & depth adjustable calf supports
- Removable

ARM SUPPORT

- Height adjustable
- Removable

HEAD SUPPORT

- Height, depth and angle adjustable
- Removable

ACCESSORIES

SEAT

- Pressure distributive cushions

HIP BELTS

- 2 types of hip belts

BACKREST

- Different backrest cushions

HEAD SUPPORT

- Different head support models

5. Accessories

Seat Cushions

Many to choose from.
Please contact your
dealer.



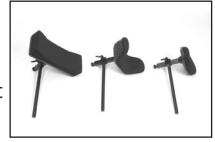
Backrest Cushions

Many to choose from.
Please contact your
dealer.



Head support

Support D Medium
Support C Large
Support A Side support
Support B Small



Hygiene cover

Protects the core of the
head support.



Recommended seat cushion

Netti Contour

Anatomic shaped
seat cushion with
high pressure dis-
tribution properties
and low seat height.



Hip belts

Hip belt with car lock.



Recommended backrest cushion

Netti Nordic

Pressure distribution
and side support
properties with visual
design elements to
make positioning
easy. Multilayer back
specially fitted to be
used together with
Netti Vision.



BP Evoflex belt



Netti Flip

Simple back padding.
Provides room for
movement.



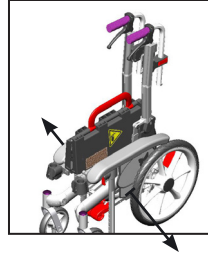
6. ASSEMBLY AND ADJUSTMENT

6.1 Unpacking

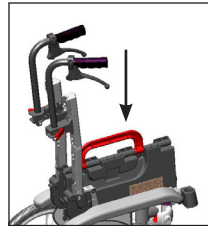
1. Unpack all the parts, and check that everything is there according to the packing list.
2. Unfold the chair (Chap. 6.2)
3. Check and adjust the seat dept (Chap. 6.6)
4. Mount the back rest cushion (Chapter 6.5)
5. Mount the seat cushion (Chapter 6.8)
6. Mount the foot supports (Chapter 6.9)
7. Mount the head support (Chapter 6.10)
9. Mount any accessories (Chapter 5).

Weight of components:

- Main wheels: 2 kg each
- Anti tip: 0,4 kg each
- Front castors: 0,6 kg each
- Foot support angle adj.: 2,3 kg each
- Seat cushion: 0,7 kg
- Head support A: 1 kg
- Head support C: 1 kg
- Head support D: 0,9 kg

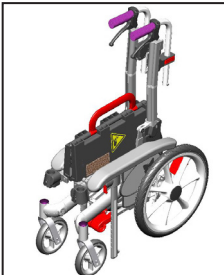


Pull side frames apart.

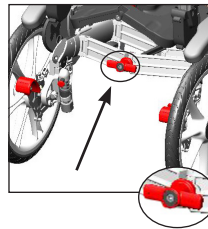


Grab red handle, and push seat plate down until it clicks into position.

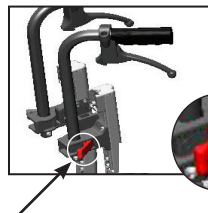
6.2 Unfolding/folding the chair



The chair comes folded with wheels backrest and arm supports pre-mounted.



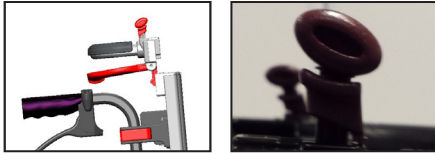
Push red knob until cross bar clicks into position.



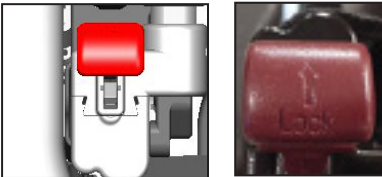
Unlock push handles by opening red clamp, and turn rearwards into position.



Slide push bar with head support and release handles into slot on top of backrest tubes on both sides.



To attach the cross bar to the wheelchair be aware that the red lockers are adjusted in the rearwards position.



Slide the triangular part of the cross bar into the triangular shank of the back on both sides.

After move the lockers frontwards back to the "Lock" position. If you hear the "click" sound on both sides the cross-bar is locked. The head rest can now be mounted.



Swing head support up into position.



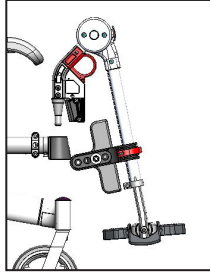
Place backrest onto velcro.



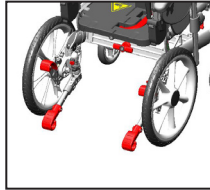
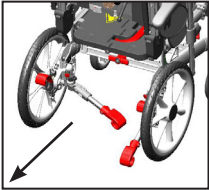
Fold bottom flap up then top flap down, to fix backrest.



Follow instructions under cushion to place it correctly.



Place foot support pin into lock in front of seat frame, and swing into position.



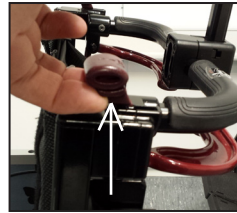
Grab anti tip and swing into position (pointing rearwards).

Dismounting the cross bar

When folding the chair, dismantle the cross bar like this:

Before you take the cross bar off make sure the tilt and recline functions are in their neutral positions: (0 degrees recline, and -2 degrees tilt).

As a first step the head rest should be removed. After you must lift on both sides the lower part of the red locker with 2 fingers and pull the locker backwards.

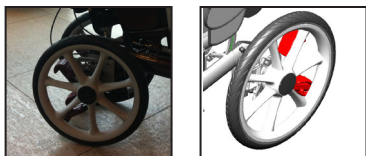


When both lockers are in the unlocked position the triangular upper part of the crossbar is now free to lift out of the shank of the back. With smooth forces you can lift the crossbar with 2 hands upwards until you have separated it.



6.3 Main wheel

The main wheel comes pre-mounted and fixed to the frame with a bolt.



- ⚠** Sand and sea water (salt used for gritting in the winter) can damage the bearings of the main wheels and front castors. Clean the wheelchair thoroughly after exposure

6.4 Front castors

Removing:

- Press the release button under the front fork, and pull down.

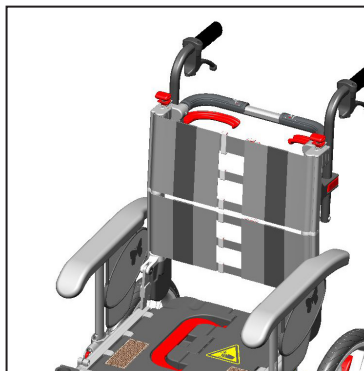
Mounting:

- Lead the quick release axle into the bearing house. Pull the fork slightly to ensure that the fork is fully locked.



6.5 Backrest cushions

Backrest cushions are fixed onto the wheelchair using velcro.



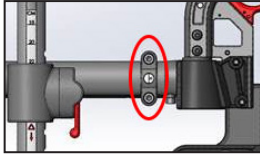
The backrest comes with 6 adjustable straps for optimal individual fitting.



- 👉** It is imperative to correctly set-up the cushion in order to ensure good seating comfort
- 👉** The cushion covers are washable and thereby reusable. Follow the instruction on the back of the cushion for correct maintenance and washing of the cushion.

6.6 Seat depth adjustment

- Seat depth is adjusted at the front by loosening the screws on each side.



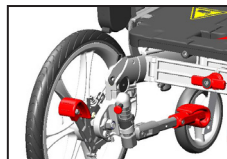
- Pull out extension pieces attached to the seat plate on each side to required position. Seat plate follows adjustment.

⚠ Make sure to lock bolt on both sides.

🔧 5 mm Allen-key

6.7 Anti tip

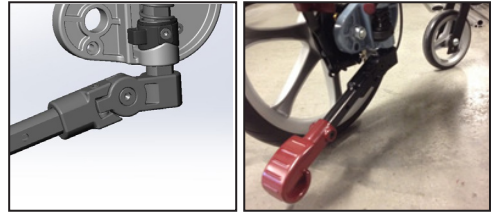
Netti Vision is on both sides equipped with an anti tip. These have a swing away mechanism which is easy to operate. Pull the red knob with one hand outwards and swing the anti tip with the other hand frontwards. The ending and locked position is indicated by a “click” sound.



Adjusting the height of the anti tip

The anti tip can be adjusted in height by loosening the screw close to the hinge point.

- Unfix the screw and pull or push to required position.



🔧 4 & 6 mm Allen keys

⚠ The anti tip should always be used for the safety of the user.

6.8 Seat cushion

The seat cushion is fixed on the wheelchair with velcro.



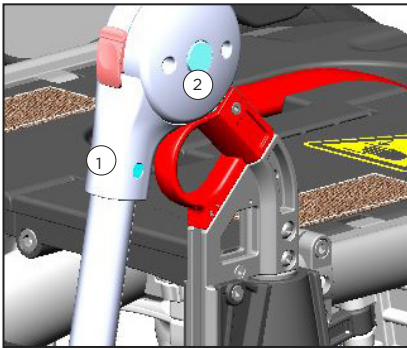
👍 It is very important to place the cushion in the wheelchair before use.

👍 The cushion cover is washable and reusable. Follow the instruction on the back of the cushion for correct maintenance and washing of the cushion.

6.9 Foot supports

The elevating foot support is angle adjustable, swingable and removable. It comes with height- and depth adjustable calf support. The foot plates are hinged, and can be angled in fixed positions. As a standard the foot plates come with a locking bolt which makes the plates stronger.

Leg rest elevating adjustment instructions



The leg rest of Netti Vision is designed for easy operating and avoids potential squeeze hazard.

There are 2 red knobs to operate when elevating the leg rest.

Knob 1 is the square one at the front area of the upper leg rest and knob 2 is a round one at the side.

In the standard position the leg rest is locked at 97°.

From here you can elevate furthermore up to 210° in addition with knob 1.

To elevate below the standard lock position down to 90° you need to use knob 2.



You can operate knob 1 with one hand if you want to elevate the leg rest frontwards in height. Therefore you have to push the knob inwards with your thumb while you lift (with the other fingers) the leg rest front – and high wards.

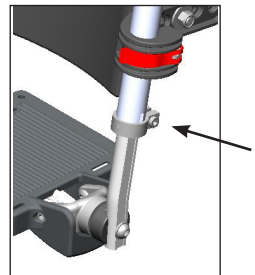
To elevate the leg rest beneath the standard locking position you need to press the round knob (knob 2) with 1 finger inwards and with the other hand you have to push the square knob (knob 2) to unlock the leg rest and get it down.

Foot plate height adjustment - operating instructions

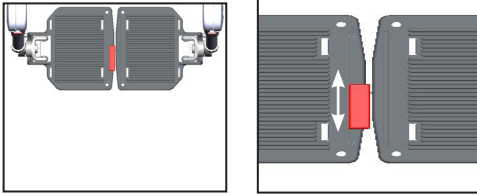
The foot plates are step less height adjustable.

Unfix the adjustment screw so that the adjustment bar moves freely.

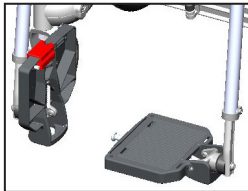
Adjust the foot plate to required height, then tighten the screw.






Foot plates with red lock - operating instructions



The foot plates come with a locking bolt in red meant to offer a higher stability to the foot plates. To lock the foot plates pull the plastic lock on the right foot plate and place the lock over the bolt on the left foot plate.



To release the foot plate pull the plastic lock front wards and lift the right foot plate up.

-  While making the adjustment there must be no load on the foot plates.
-  For outdoor use, there should be a clearance of 4-5 cm between the foot plate and the ground.
-  Never stand on the foot plates due to the risk of tipping forward.

Foot plate - angle adjustment

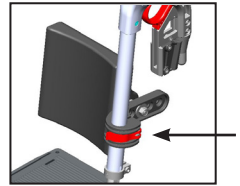
Unfix the screw as shown by using a 5 mm Allen key. Adjust the foot plate to the required angle and tighten the screw.

-  5 mm Allen key

Adjusting the calf support

To adjust in height:

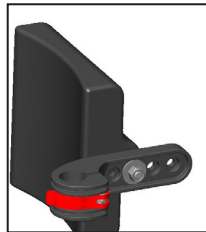
- Release clamp on foot support stem.
- Find the required position.
- Tighten clamp on foot support stem.



To adjust in depth:

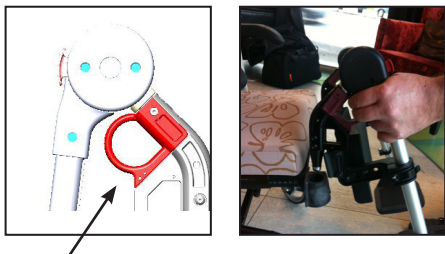
- Release pad by using a 13 mm spanner.
- Find the required position
- Fix screw.

-  5 mm Allen key




Removing the foot support

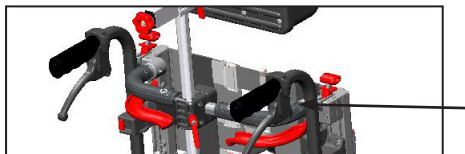
- Pull the red release handle in hinge point.
- The foot support can now be lifted up in any position.



 Never stand on the foot supports!

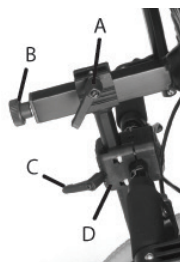
 Never lift the wheelchair by the foot supports.

6.10 Head support

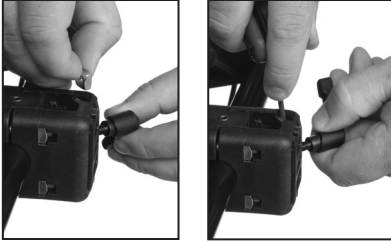


Netti Vision has a stabilizing cross bar at the upper part of the back tube carrying the head support bracket and the operating handles for tilt and recline. If there is any reason to fold the chair (transport or storing) the cross bar can be dismounted. After you have done this, it is for security reasons not more possible to tilt and recline the chair.

When mounting the cross bar at the wheelchair the correct mounting is indicated with a “click” sound.



- A - Lever for depth adjustment
- B - Wheel for angle adjustment
- C - Lever for height adjustment
- D - Head support bracket



- Place the squared nut in the trace of the head support bracket as shown above.
- Place the head support in the head support bracket.
- The height and the depth of the head support is set to the required positions and tightened.



- The head support bracket is fixed by tightening the four screws two by two diagonally so the bracket is fixed with the same strength divided on the four screws.

Adjusting the head support in depth:

- Release the locking lever on top of the vertical bar (A).
- Adjust the head support and fix it in required position.

Adjusting the head support in height:


- Release the locking lever on the head support adapter (C).
- Adjust the head support and fix it in required position.


Adjusting the head support in angle:


- Release the adjustment wheel at the rear of the horizontal bar (B).
- Adjust the head support and fix it in required position.


Adjusting the head support sideways:

- The head support adapter can be moved both to the right and left, giving the possibility to accommodate special needs for head support.
- Untighten the four screws holding the adapter together.
- Move the adapter to the required position and fix the adapter by tightening the screws diagonally.

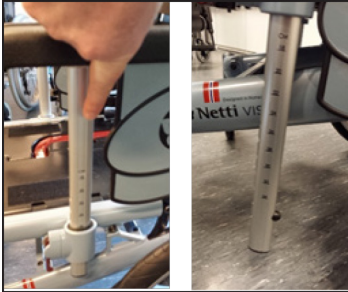
 Remember to release the levers when adjusting the head support.

 If the head support stand does not fit the bracket perfectly the bracket is probably fixed too tight or unevenly.

 After fitting the head support fix it properly by tightening the little set screw in the centre on top of the head support bracket using an Allen-key.

 If the head support seems too short in height, it can be turned 180° by releasing the adjustment wheel at the rear of the horizontal bar (B)

6.11 Arm support



To adjust the height lift the red lever upwards to release the locking mechanism and adjust the height according to your needs.



At the end of the bar is a black nut which is to place into another position if you want to avoid adjusting the arm rest below a specific point (your required position).

For security and stability reasons we are not recommending to lift the whole chair with a person in it. In case you do so, the black nuts will avoid sliding the of arm rest bar out of the bracket if the locking mechanism is not tighten.

Adjusting the height of the arm support

- Untighten the release handle on the arm support
- Raise or lower stem
- Tighten the release handle

- ⚠ Please be aware while mounting that there is a left-side and a right-side arm support.

Mounting the arm support

- Release lock handle.
- Pull arm support straight up in a vertical direction from the insert sleeve.

Dismounting the arm support

- Release lock handle.
- Place the arm support in a vertical direction into the insert sleeve.



Placing the arm support in lower position allows sideway transfer.

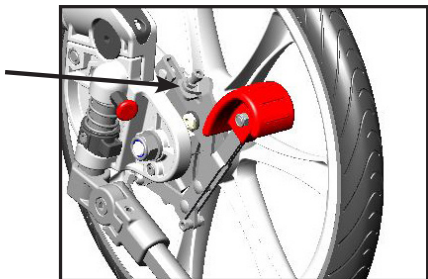


- ⚠ Never lift the chair holding onto the arm supports.

6.12 Drum brake

If the brake doesn't brake properly:

To adjust the wire on one or both sides, adjust the foot screw 2-4 rounds out. Then recheck the brakes.




If the wire is too loose:

Adjust the foot screw all the way in. Tighten the wire by loosening the wire clamp before pulling the wire further through it. Tighten the wire clamp, and adjust the foot screw out again.



 1 pc 10 mm open-end spanner.

 Tighten lock nut when finished adjusting.

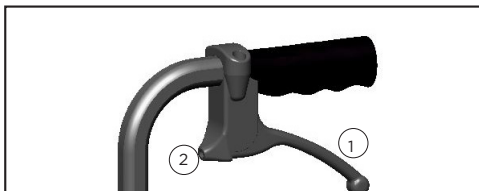
Operating and applying the brake

Netti Vision comes standard with pedal brakes.


- To activate: Press down.
- To de-activate: Pull up.



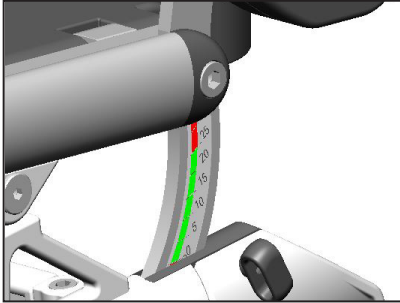
Netti Vision comes with hand operated hub brakes for attendant as an option, to allow regulation of speed on hills and whilst manoeuvring the chair. These are located on the push handles.



- To apply the brakes, pull the brake levers (1) evenly and smoothly towards handle and bring the wheel- base to a stop.
- For to put on and lock the parking brake (2) press the lever (1) against the push handle and lock the parking brake with the finger. Be sure that both parking brakes are locked.
- The parking brake will be released when you press the lever (1) against the push handle. It is locked with a spring and this will in this way be released.

 Don't leave the user in the wheelchair without to put the parking brake in function.

6.13 Seat angle / tilt



Netti Vision has a rear - and front wards tilt function (angle adjustable seat frame). To get to know which degree of angle actually is adjusted you can have a look at the control scale at the rear part.

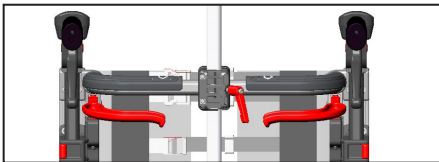
The number just above the frame whole indicates the actual angle (here it shows 0°).

Red color: 25-30 degrees rearwards

Green color: 0-25 degrees rearwards

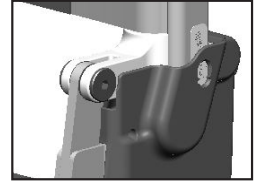
Red color: 0 to minus 2 degrees frontwards

The seat angle is regulated using the left release handle on the push bow. The seat unit can be tilted from -2° to +30°



6.14 Back rest angle

Netti Vision has a reclining back (angle adjustable). To get to know which degree of angle actually is adjusted you can have a look at the small control window at the rear part. There you will find a number indicating the actual degree (here it shows 20°).



The back rest angle is regulated using the right release handle on the push bow.

The angle can be regulated from 90° to 110°

The release handles have the following labels:



Recline

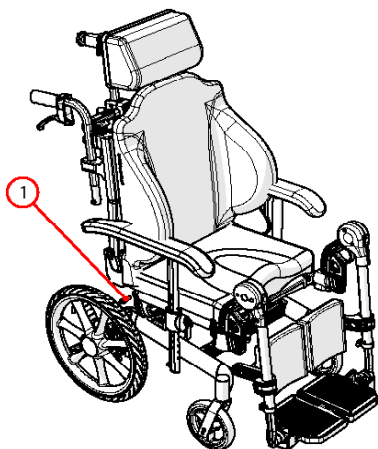


Tilt

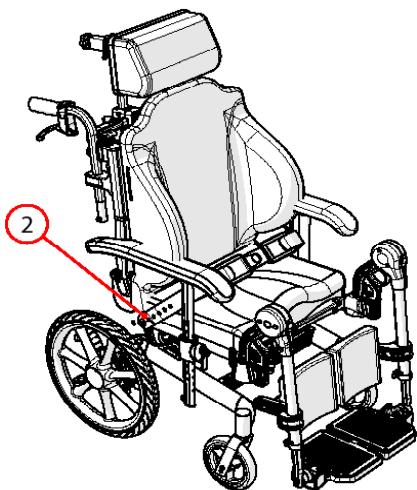
- ⚠ Risk for tipping. Check the position of anti tip.
- ⚠ The seat and back rest angle must not be adjusted without using the anti tips.

6.15 Installation of hip belt

Netti Vision is delivered prepared for installation of hip belts.



Replace frame screw (1) with belt bolt, delivered with the hip-belt kit.



Insert belt to the belt-bolt - in the correct belt hole (2) adjusted for the user. Fix the belt with washer and e-lock or nut delivered with the belt kit.

7. MANOEUVRING

7.1 General techniques

The weight and balance of the chair influences the manoeuvring qualities of the wheelchair. The weight, size and sitting position of the user are also influencing factors. The position of the wheels will in addition influence the manoeuvring qualities. The more weight placed over the main wheels, the easier it is to manoeuvre. If heavy weight is placed over the front castors, the chair will be heavy to manoeuvre.

Companion:

If the user is left alone in the wheelchair, always lock the brakes and check that the anti tips are turned down.

Parking:


Increase the underneath support of the wheelchair by moving the chair about 10 cm rearwards making the front castors turn forward.

7.2 Driving techniques

- Step up-

Companions, drive up a step forwards

- Check that the anti tip is de-activated. Angle the wheelchair backwards.
- Balance the chair on the mainwheels and push it forward until the front castors are on the step.
- Lift the push handles while pushing the chair onto the step.

 Remember to activate anti tip after curb climbing.

Companions, drive up a step backwards:

- Check that the anti tip is de-activated.
- Pull the chair backwards next to the step
- Angle the wheelchair backwards, moving the front castors slightly up in the air.
- Pull the wheelchair up the step and go backwards long enough to put down the front castors on the step.


 Activate anti tip.

7.3 Driving techniques

- Step down-

Companions, drive down a step forwards:

- Check that the anti tip is de-activated.
- Place your hands with a firm grip on the push handles, and angle the wheelchair backwards, moving the front castors slightly up in the air.
- Drive carefully down the step and angle the wheelchair forward putting the front castors back on the ground.

 Turn the anti tip downwards.

Companions, drive down a step backwards:





- Check that the anti tip is de-activated.
- Move the wheelchair backwards to the step.
- Drive carefully down the step and move the wheelchair backwards on the main wheel until the front castors have come away from the step.
- Put the front castors down on the ground.

 Activate anti tip.

7.4 Driving techniques

- Slope -

Important advise for driving down and up hill avoiding the risk of tipping.

-  Use rearward tilt.
-  Avoid turning the wheelchair in the middle of a slope.
-  Always drive as straight as possible.
-  It is better to ask for assistance than taking risks.






7.5 Driving techniques

- Up stairs -

-  Never use escalators.

With assistance, backwards.

- Check that the anti tip is de-activated.
- Pull the wheelchair backwards to the first step of the stairs.
- Angle the wheelchair backwards on the main wheels.
- Pull the wheelchair slowly up the stair, one step at the time keeping the balance on the main wheel.
- Reaching the top of the stair, pull the wheelchair backwards far enough to put the front castors safely down on the floor.





-  Activate anti tip.
-  If two companions are present, one person can assist lifting in the front of the frame.
-  Do not lift the wheelchair holding onto the foot supports.
-  Do not lift the wheelchair holding onto the arm supports.
-  The companions should use the strength in their legs carrying the chair, avoiding unnecessary stress on the back.

7.6 Driving techniques

- Down stairs -

-  Never use escalators.

With assistance, forwards

- Check that the anti tip is de-activated.
 - Drive the wheelchair forward to the first step of the stair.
 - Angle the wheelchair backwards on the main wheels.
 - Have a firm grip on the push handle, and keep the balance on the main wheel taking one step at the time
 - Reaching the bottom of the stair, put the front castors safely down on the floor.
-  Activate anti tip.
 -  If two companions are present, one person can assist lifting in the front of the frame.
 -  Do not lift the wheelchair holding onto the foot supports.
 -  Do not lift the wheelchair holding onto the arm supports.

7.7 Transfer

Techniques for transferring to/from the wheelchair should be practiced well with the persons involved. Here, we give some important advices for preparation of the chair:

With or without companion - sideways.

Before transfer:

- The wheelchair should be placed as close as possible to the destination of the transfer.
- Pull the wheelchair backwards 5-10 cm in order to make the front castors turn forward.
- Lock the brakes.
- Remove foot support and place arm support in lower position on the side of the transfer.

With or without companion - forwards.

Before transfer:

- The wheelchair should be placed as close as possible to the destination of the transfer.
- Pull the wheelchair backwards 5-10 cm in order to make the front castors turn forward.
- Lock the brakes.
- Tilt chair forward



Using a lift:

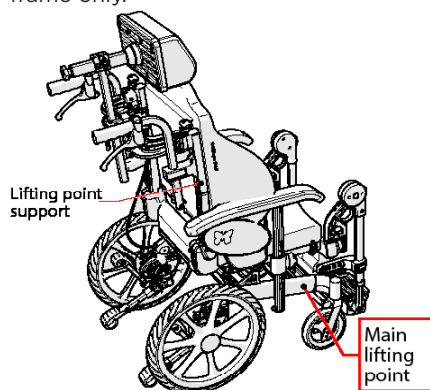
- Before transfer to chair:
- Tilt the chair back
- Remove the head support
- Remove the foot supports
- Open the back rest angle slightly
- Replace the components when transfer is finished.



 Never stand on the foot plates.

7.8 Lifting the wheelchair

- The wheelchair should be lifted in the frame only.



- ⚠ Never lift the wheelchair by the foot supports or arm supports



- ⚠ Don't lift the wheelchair with a user in it.

8. Public Transport

The wheelchair should be put in a special area for wheelchairs. The wheelchair should face opposite the direction of travel. The back of the wheelchair must be located against a fixed object such as a row of seats or a partition. Make sure the user can easily reach any hand rails or handles.

8.1 Transport in car

- ⚠ Netti Vision wheelchair is NOT intended and approved to be used as chair in cars.





9. Maintenance

9.1 Maintenance instructions

The Netti chairs are built of modules. Alu Rehab carries stock of all parts and is ready to supply these on short notice. Necessary instructions for mounting will follow the parts.

Parts to be handled by user are defined in spare part catalogues that can be downloaded at www.alurehab.com.

Parts related to wheel frame construction must be handled by manufacturer or authorized service facility.

-  Paint to repair scratches and minor damages is available: Please contact your dealer to order.
-  If defects or damages occur, please contact your dealer.
-  Check/re-adjust screws and nuts at regular intervals.
-  Sand and sea water (salt used for gritting in the winter) can damage the bearings of the front castors and main wheels. Clean the wheelchair thoroughly after use.

Frequency	Weekly	Monthly
Check defects/damages E.g. breakage/missing parts	X	
Washing of wheelchair		X
Oiling of bearings*		X
Washing of cushions		X
Check anti tip function		X
Check brake adjustment		X
Check tyre wear		X
Check tilt/recline function		
Check arm support adj.		
Check foot support adj.		

As a rule of thumb, use oil on movable parts and all bearings. Alu Rehab recommends use of ordinary bicycle oil and white vaseline.

9.2 Cleaning and washing

1. Remove seat cushion before washing the wheelchair.
2. Clean cushion and cover according to instructions printed on cushions.

Cushion cleaning procedures


CORE	
Washing	Hand wash 40°C
Disinfection	Virkon S
	Auto clave 105°C
Drying	Squeeze
	Air dry standing edgewise
OUTER COVER	
Washing	Machine wash 60°C
Drying	Tumble dry max 85°C


3. Clean frame using water and a rag.
4. If jet water washing, avoid pointing directly towards gas springs, labels and velcro back.
5. We recommend using soft soap.
6. Wash the wheelchair well using clean water to remove all the soap.
7. Use methylated spirit to remove any dirt left.

Disinfection of the wheelchair

- Remove cushions (See separate washing instructions).
- Use a soft rag, added with hydrogenperoxide or technical alcohol (Isopropanol).




Hydrogenperoxide recommended:
 NU-CIDEX “Johnson&Johnson”

 We recommend washing the wheelchair in washing chamber at >85° C.

 For small damages to the surface, original surface paint can be ordered from the dealer.

10. TROUBLESHOOTING

Symptom	Reason/Action	Reference in manual
The wheelchair is going askew	<ul style="list-style-type: none"> • The main wheel hubs might be incorrectly mounted • One of the brakes might be too tight • The user is sitting very askew in the chair • The user might be stronger on one side than the other 	6.2 6.13
The wheelchair is heavy to manoeuvre	<ul style="list-style-type: none"> • The main wheel hubs might be incorrectly mounted • Clean the front castors and forks for dirt • Too much weight over the front castors 	6.2
The wheelchair is hard to turn	<ul style="list-style-type: none"> • Check that the front castors are not fixed too hard • Clean the front castors and forks for dirt • Check, that the front castors are placed in correct position 	6.3 6.3
The brakes are not functioning well	<ul style="list-style-type: none"> • Adjust the brake 	6.13
The wheelchair feels "shaky"	<ul style="list-style-type: none"> • Check screws and adjustment points in general 	

-  Please contact your dealer for information about authorized service facilities that can give support if solution is not reached in this form.
-  When in need of spare parts, please contact your dealer.
-  When making changes affecting frame construction, contact dealer / manufacturer for confirmation.

11. TESTS & WARRANTY

11.1 Tests

Netti Vision is tested for usage both indoors and outdoors.

11.2 Guarantee

Alu Rehab is providing you with a 5-year guarantee on all frame components and on the cross-tube assembly. There is a 2-year guarantee on all other components except batteries. Alu Rehab is not responsible for any damage resulting from inappropriate or unprofessional installation and/or repairs, neglect, wear, from changes in wheelchair assemblies or institutions not approved by Alu Rehab or by use of spare parts delivered or produced by third parties. In such cases, this guarantee shall be considered null and void.

11.3 Claim

- Claim is to be addressed to the sales agent of the wheelchair. Please note that sales documentation has to be filled in and signed correctly in order to document time and place of the purchase of the wheelchair.
- Generally, defects are accepted as reason for claims. The sales agent and Alu Rehab are to decide whether a defect has to be repaired, or the customer is entitled to a reduced prize due to the defect.
- This decision is based on an evaluation of defect. 14 days after receiving a claim, the customer receives a report from the sales agent and/or Alu Rehab are going to handle the defect.
- Claim are to be forwarded as soon as a defect is discovered.



Normal wear, incorrect use or incorrect handling is not a reason for claims.



The user is to use, maintain and handle the wheelchair as described in the user manual.

11.4 Spare part guarantee

- Alu Rehab offers a 5-year guarantee (as a minimum) for spare parts. The periode of guarantee is defined as beginning at the date, Alu Rehab cancels the production of a specified type of chair.
- During the periode of spare part guarantee, spare parts are delivered within 14 days.
- During the periode of spare part guarantee, Alu Rehab offers a 1 year guarantee for defect spare parts.

11.5 Special adjustment/adaptations

Special adjustments/adaptations are defined as all adjustments that are not included in this manual. Wheelchairs that are especially adjusted/adapted by the customer can not keep the CE mark given by Alu Rehab A.S Norway. If this is the case, the warranty given by Alu Rehab A.S Norway will not be valid. If any uncertainty about special fitting and adaptations, please contact Alu Rehab A.S.

11.6 Combinations with other products

Combinations of Netti and other products not manufactured by Alu Rehab A.S Generally in these cases, the CE mark of all the products involved will not be valid. However, Alu Rehab A.S has made agreements with some manufacturers for some combinations.

- ❗ For further information, please contact your dealer or Alu Rehab A.S Norway directly.

11.7 Service and repair

Information about service and repair services in you area, please contact your local dealer.

- ❗ A unique identification number / serial number is to be found on the bottom frame on left side of the chair.
- ❗ A spare part catalogue for the wheelchair can be obtained through your local dealer or downloaded at www.alurehab.com
- ❗ A refurbishment manual for the wheelchair can be obtained through your local dealer or downloaded at www.alurehab.com

12. MEASURES & WEIGHT

Seat width*	Seat depth**	Back rest height ***	Total width	Transport width	Weight
400 mm	350-425 mm	450 mm	552	283	22 kg

* Measured between skirt guards.

** Measured from front of seat plate to back rest hinge.

*** Measured from from seat plate to top of back rest.




The weight is including main wheels, front castors, foot supports and arm supports.
No cushion.



Max user weight is 100 kg.

Dealer:	
Serial no.:	
Date supplied:	
Dealer stamp:	



TOGETHER WE CREATE
ELEGANT SOLUTIONS AND
ENABLE JOY OF LIFE

x####

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