

# viamobil®

**Gebrauchsanweisung viamobil V15**

**Operating Instructions viamobil V15**

**Instructions d'utilisation viamobil V15**

**Manual de instrucciones viamobil V15**

**Istruzioni per l'impiego viamobil V15**

**Brugsvejledning viamobil V15**

**Gebruiksaanwijzing viamobil V15**

**Bruksanvisning viamobil V15**

**Instruktionsbok viamobil V15**

**Käyttöohjeet viamobil V15**

D

US/GB

F

E

I

DK

NL

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S

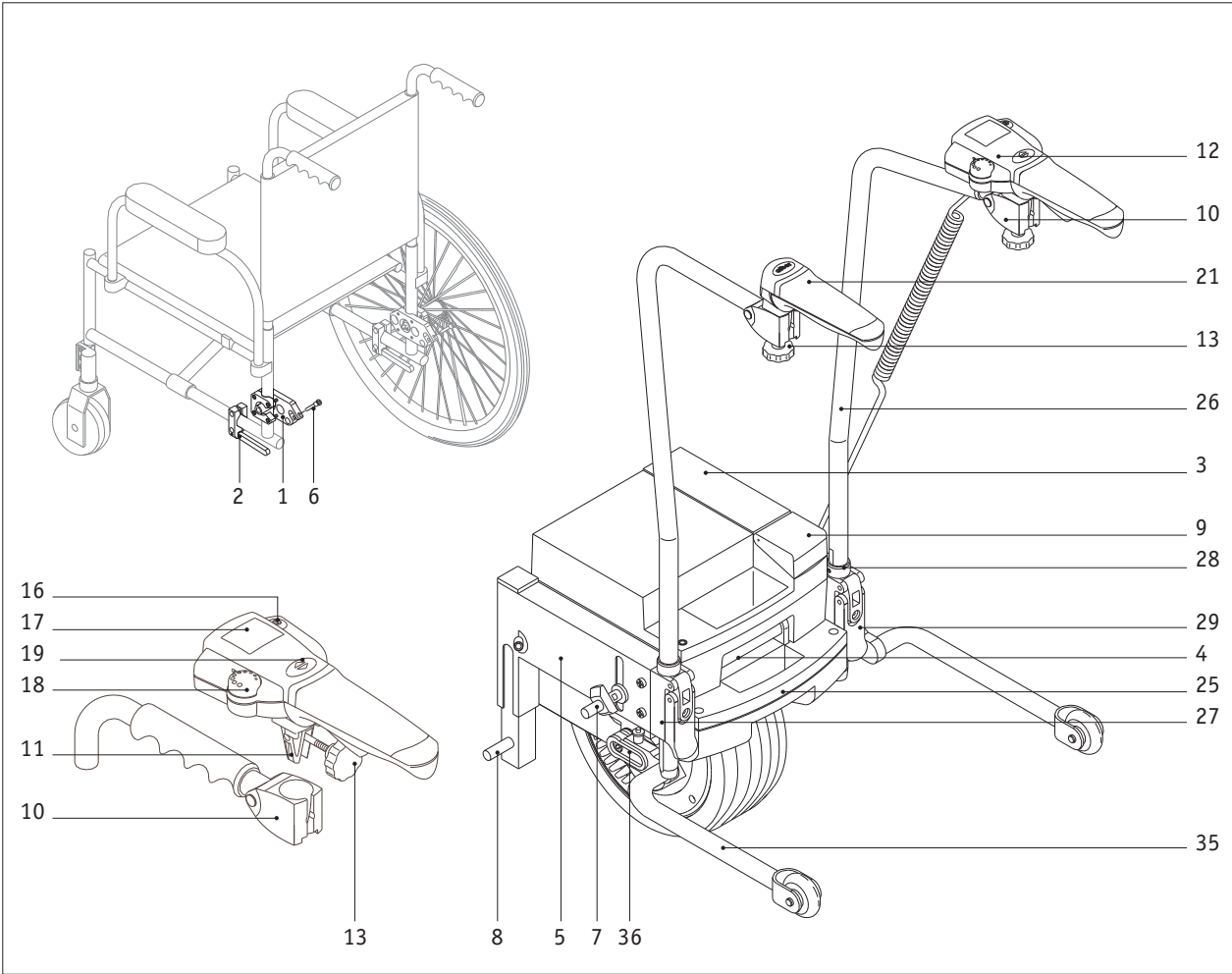
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## **Service Center**

An Werktagen von  
08.00 - 12.00 Uhr  
und  
13.00 - 18.00 Uhr  
erreichbar unter  
Telefon 0800 9096 250

## **Deutschland**





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## Important safety instructions - must always be observed

The viamobil is a push and braking aid which must be used exclusively by the person escorting the occupant of the wheelchair. Under no circumstances may the person sitting in the wheelchair operate the viamobil himself / herself (as an electric driver for the wheelchair).

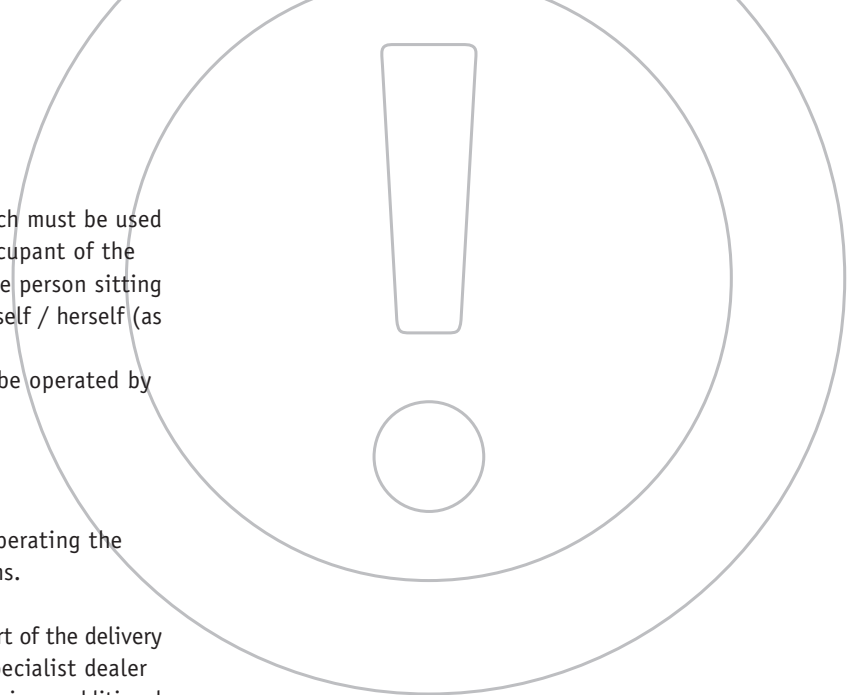
For safety reasons, the viamobil may only be operated by persons who:

- have been trained in its use
- are physically and mentally capable of operating the viamobil safely under all usage conditions.

Training for the operation of the unit is a part of the delivery schedule and can be arranged with your specialist dealer or one of the **alber** regional managers. There is no additional charge made for this service.

If you are not sure how to operate the viamobil safely, also then please contact your dealer or one of the **alber** regional managers.

In using the viamobil please be sure to observe the prescribed values stated by the manufacturer of your wheelchair (e.g. the maximum slope, the tyre pressures, etc.) and the general operating instructions. Under no circumstances should critical limits be exceeded.



If a mobile phone or similar device is going to be used, the viamobil must be switched off with the wheelchair standing on level ground. Travel near intense electric fields should also be avoided.

The operation of the viamobil can also interfere with other equipment such as theft-detection barriers in retail stores.



**The viamobil must not be used until training  
in the operation of the device is complete**

## 1.1

### Standard delivery schedule

- viamobil drive unit
- Control unit with wheelchair bracket
- Battery pack
- **alber** mains charger BC 2401
- Operating instructions

### Optional accessories

- Additional handgrips
- Tilt supports
- Adapter cable and storage bag

## 1.2 Technical data

### Drive unit

	Range:	Up to 20 km (*)
	Speed:	Infinitely variable up to a max. 5.5 km/h (forwards) or a max. 2.7 km/h (backwards)
	Slope:	Up to a max. 18 % gradient up or down (with wheelchair occupant weighing 130 kg)
	Maximum passenger's weight:	130 kg
	Motor nominal output:	150 Watt
	Maximum output:	300 Watt

### Battery pack

	Batteries:	2 x 12 Volt, 12Ah, approved for air transportation by IATA and DOT
	Nominal operating voltage:	24 Volt
	Operating temperature:	Ambient temperature range (approx. -25 °C to +50 °C)


### Control unit

	Angle of inclination:	-12.5° / 0° / 12.5°
	Fitting:	Clamping to the rear tubes of the wheelchair

### Weight of individual parts

	Battery pack:	9.0 kg
	Drive:	12.9 kg
	Control unit:	0.9 kg
	Charger:	0.4 kg
	Total weight:	22.8 kg

(\* ) The distance of travel depends on the terrain and the prevailing travel conditions. Under optimum conditions (level ground, freshly charged batteries, ambient temperature of 20 °C, uniform speed, etc.) the distances quoted can be attained.

 The viamobil meets the EU regulations for medical products 93/42/EEG, and also 89/366/EEG electromagnetic compatibility.

We reserve the right to make technical and design changes as a result of constant further development.

## **Charger**

**Please refer to the instructions provided with the charger for technical advice and instructions.**



## 1.3

### The most important elements at a glance

(please open out the overview diagram in the appendix)

- 1 Upper bracket (on the wheelchair)
- 2 Lower bracket (on the wheelchair)
- 3 Battery pack
- 4 Locks
- 5 viamobil drive unit
- 6 Locking pin
- 7 Upper bolt (on viamobil)
- 8 Lower bolt (on viamobil)
- 9 Fuse cover / Battery pack cover
- 10 Locator for control unit (on the wheelchair)
- 11 Cone (control unit)
- 12 Control unit
- 13 Fixing screw on the control unit
- 14 Control unit torque plug
- 15 Socket (on viamobil)
- 16 Control unit ON / OFF switch
- 17 Display
- 18 Adjusting wheel for speed pre-selection
- 19 Forwards / backwards button
- 20 Driving lever
- 21 Handle extension
- 22 Charger plug
- 23 Battery charger socket
- 24 25A fuse
- 25 Handle on the viamobil
- 26 Additional handgrips
- 27 Clamping bracket (for additional handgrips)
- 28 Set collar
- 29 Clamping bracket lock
- 30 Threaded pin in set collar
- 31 Guide rails on the additional handgrips
- 32 Clamp on the adapter cable
- 33 Battery socket on the viamobil
- 34 Socket on the battery pack
- 35 Tilt supports
- 36 Locator for tilt supports on the viamobil

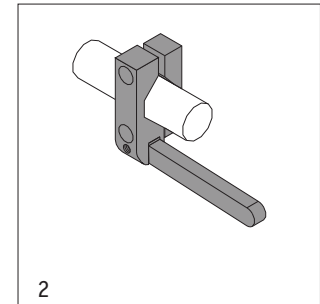
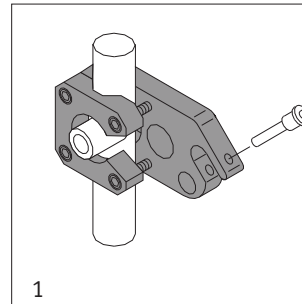
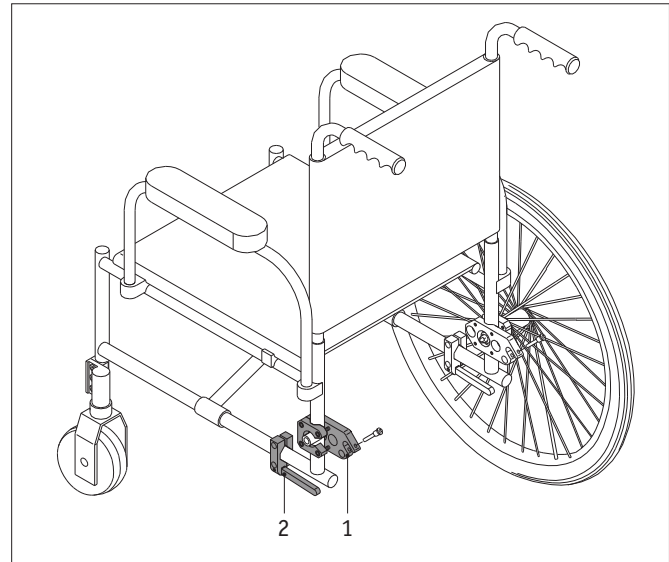
## 2 Fitting to the wheelchair

### 2.1 Brackets

In order to operate the viamobil there must be special brackets ([1] = upper bracket and [2] = lower bracket) mounted on the wheelchair. **alber** makes these in various designs (e.g. as a complete single part or as two separate parts), so the description in this operating manual may deviate from the brackets mounted on your particular wheelchair.

The fitting of these brackets and the associated adjustments to the viamobil may only be carried out by **alber**, by **alber** regional managers or by authorized **alber** dealers.

**!** From time to time check that the brackets are still tightly screwed to the wheelchair.  
If screwed fastenings should have come loose or even become undone, please get an authorized dealer to tighten them (a re-adjustment may be necessary).



## 2.2

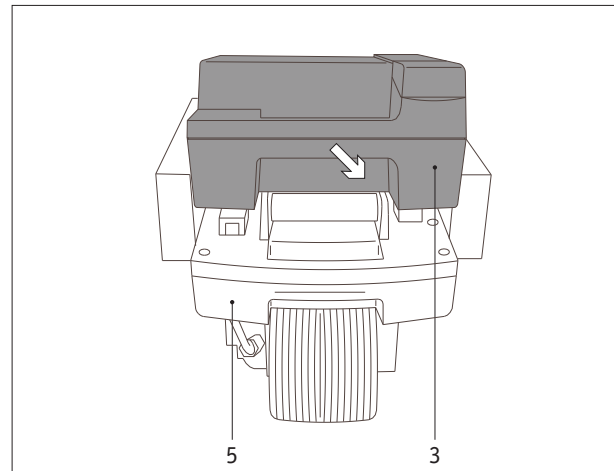
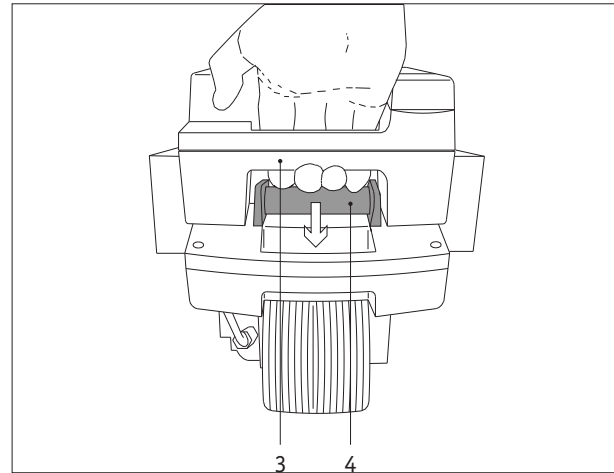
### Removal of the battery pack

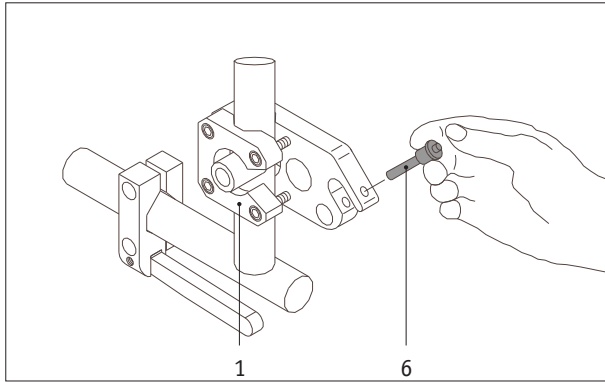
For technical reasons the viamobil is delivered with a fitted battery pack. In order to make the fitting of the viamobil under the wheelchair easier, we recommend that the battery pack first be removed.

- As shown in the adjacent diagram, take hold of the opening on the battery pack [3].
- Simultaneously press the lock [4] downwards.
- Pull the battery pack [3] out of the viamobil drive unit [5] and lay it aside.



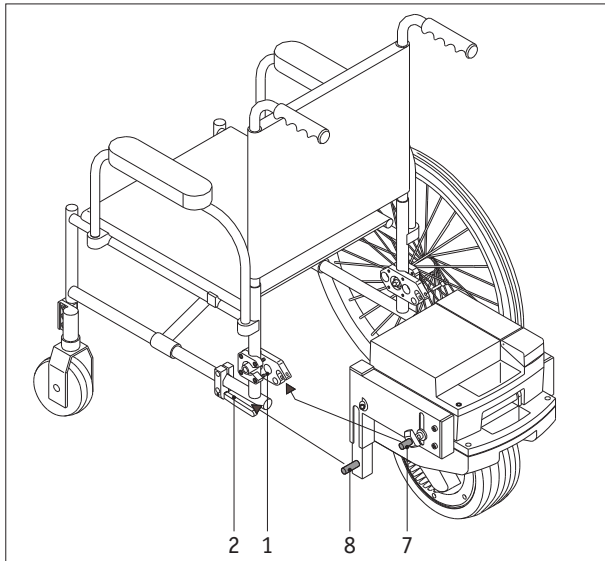
**If the optional additional handgrips are already fitted to your viamobil, then we recommend that you do not remove the battery pack.**





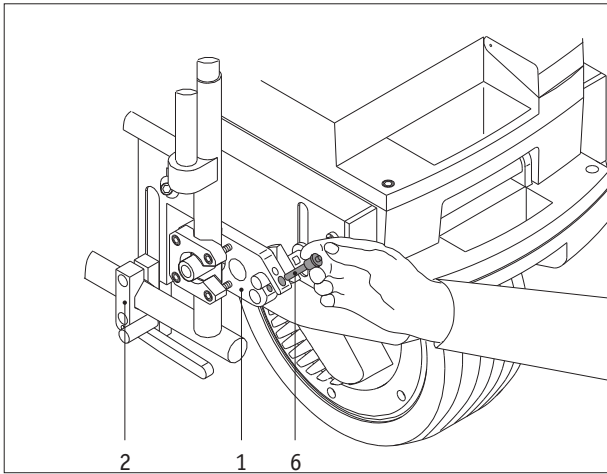
### 2.3 Installing the viamobil

- Remove the locking pin [6] from the upper bracket [1] by pressing with the thumb on the unlocking bolt in the centre of the locking pin and by simultaneously pulling the pin out by gripping it with the first and middle fingers.



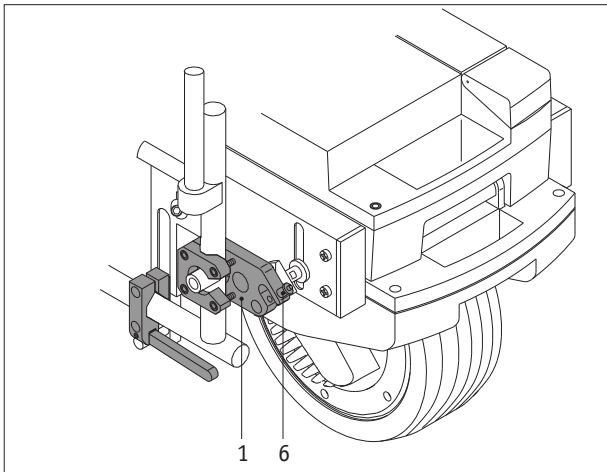
Push the viamobil under the wheelchair, making sure that

- first the lower bolt [8] on the viamobil is inserted into the lower bracket [2] on the wheelchair and then
- the upper bolt [7] on the viamobil is inserted in the upper bracket [1] on the wheelchair.

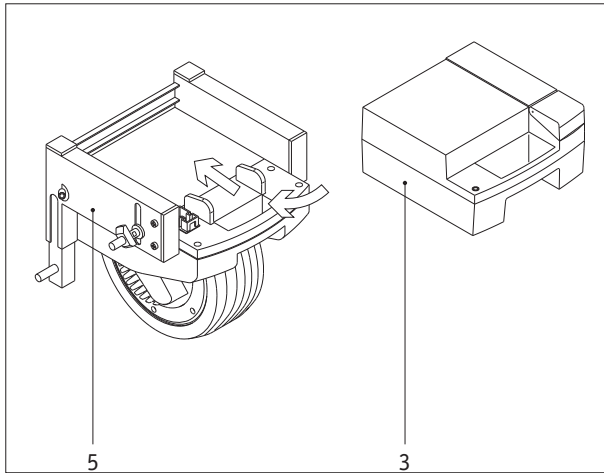


- Once the viamobil is located in both the upper [1] and lower [2] brackets of the wheelchair, you have to re-insert the locking pin [6] on both sides.

The viamobil is now attached to the wheelchair.

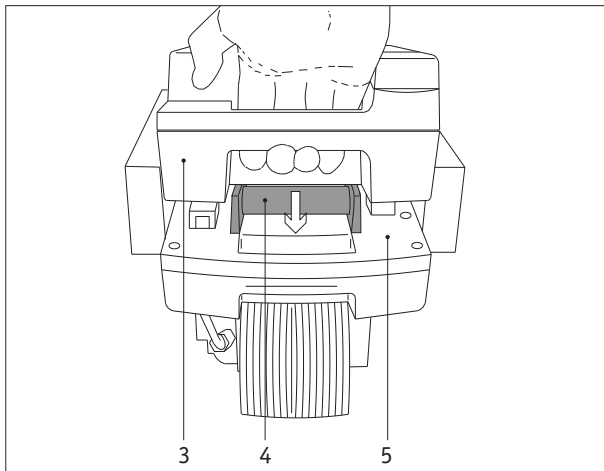


**!** When the brackets were mounted they were adjusted to the viamobil. This means that the viamobil does not touch the ground in its position of rest under the wheelchair. In this position the wheel is 1.5 cm above the ground.



## 2.4 Installing the battery pack

- Place the battery pack [3] on the viamobil drive unit [5] (the blue safety cover [9] is on the right pointing upwards).
- As shown in the diagram, push the battery pack [3] to the rear up to the stop.
- In lowering the battery pack [3] push the locking mechanism [4] down.
- When the battery pack [3] is now released it is located in the required position. The electrical connections are made automatically.



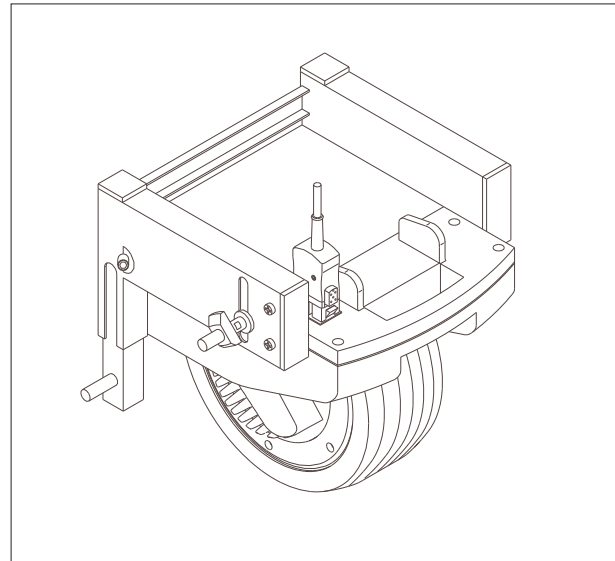
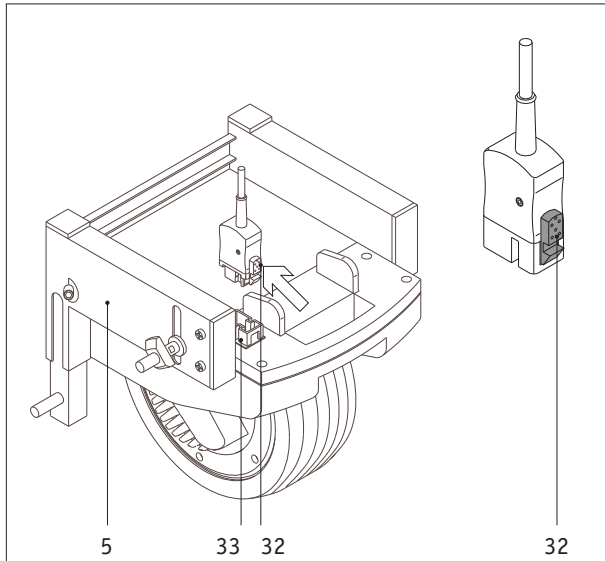
## 2.4.1

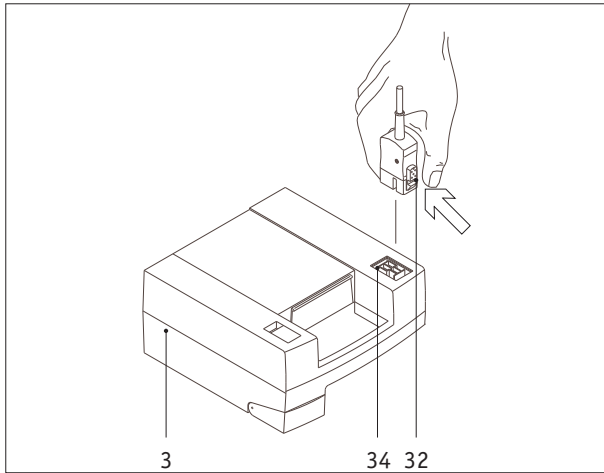
### Power supply via the adapter cable

In the case of some few models of wheelchair the battery pack cannot be placed directly on top of the viamobil drive unit because there is insufficient room.

In such cases the battery pack can be attached directly to a suitable place on the wheelchair and the power supply comes via an adapter cable.

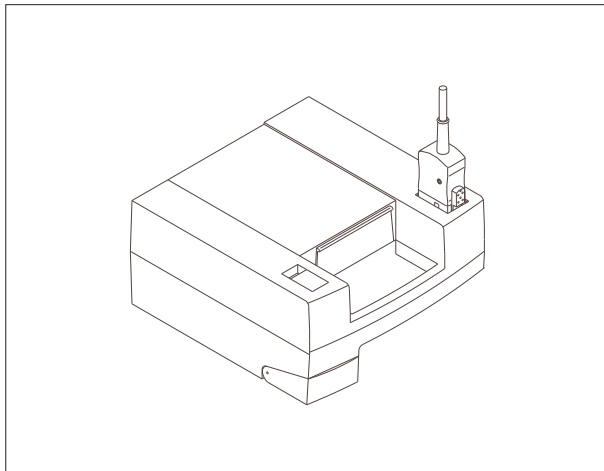
- First attach the viamobil drive unit [5] to the adapter cable.
- Press together the clamp [32] located in the plug and guide the plug into the battery socket [33] on the drive unit [5].
- If the plug is correctly located in the socket [33], it automatically locks into place. Check by pulling gently on the plug that the clamp [32] is locked in place.





- Then connect the battery pack [3] to the other end of the adapter cable.
- Do this by pressing together the clamp [32] located in the plug and guide the plug into the socket [34] on the battery pack [3].
- If the plug is correctly located in the socket [34], it automatically locks into place. Check by pulling gently on the plug that the clamp [32] is locked in place.

As a rule the adapter cable will stay connected between the battery pack and the drive unit. If for some reason, such as for transportation purposes, these components have to be removed from the wheelchair, then the cable must **first** be disconnected from the battery pack [3] and secondly from the drive unit.



To release the plugs first press the clamp [32] again. Then pull the plug out of the socket.



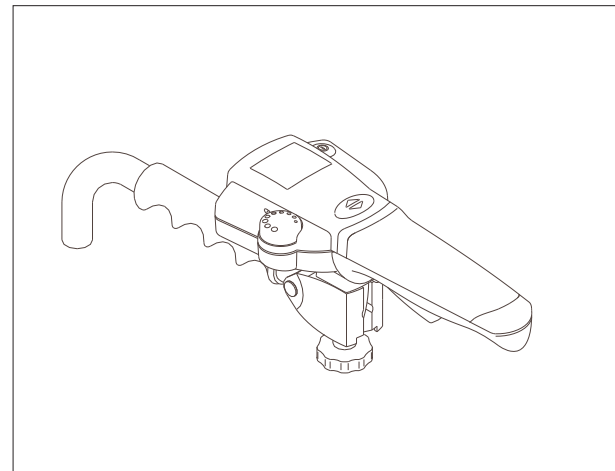
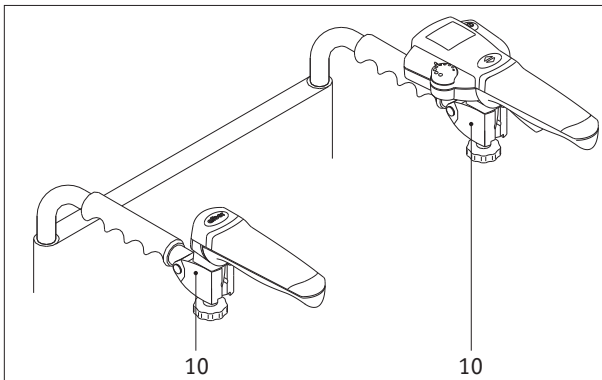
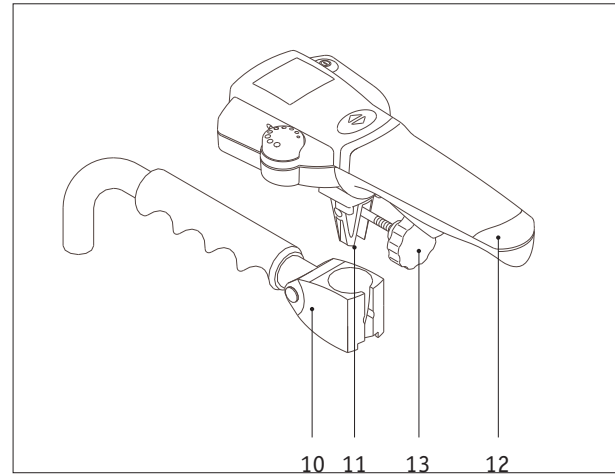
## 2.5

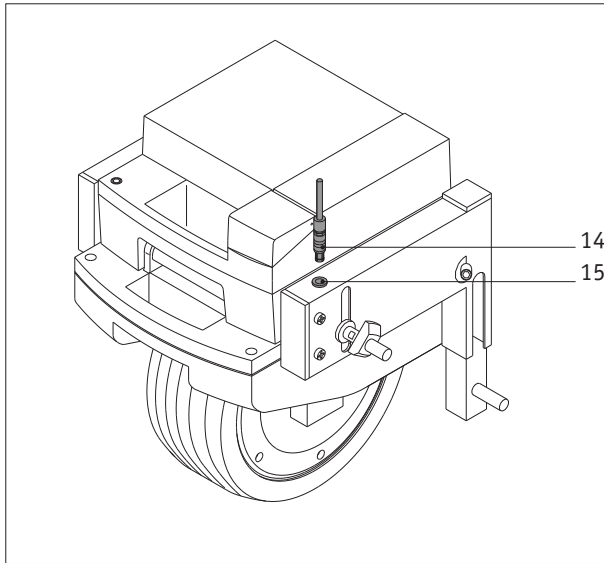
### Fitting the control unit

The individual order details, on the basis of which the required components were fitted, are decisive for the position of the control unit.

If the locator [10] is placed direct on the wheelchair then your desired mounting angle was already pre-set by the specialist dealer. It can be changed again by the dealer at any time.

Either the control unit or a handle extension can be inserted into the two locators [10]. The handle extension provides more ergonomic handling of the wheelchair for the escorting person.





- Tilt the fixing handle, as shown on the diagram, to the underneath of the control unit [12] handle.
- Guide the cone [11] underneath the control unit [12] into the locator [10] on the wheelchair.
- If the cone [11] is in the locator [10], the fixing screw [13] will fall (downwards) of its own accord into the position shown in the diagram.
- Gently pull the fixing screw [13] out until there is a firm connection between the control unit [12] and the locator [10].
- Finally, carefully insert the control unit torque plug [14] into the socket [15] on the viamobil. Plug and socket are correctly located if the two marks on them are lined up.



**Make sure that the control unit's spiral cable does not rub against the rear wheel of the wheelchair during motion.**

### 3 Control unit

#### 3.1 Functions of the control unit

The person escorting the occupant of the wheelchair controls all the viamobil functions using the control unit. These are:

ON/OFF button [16]

By pressing this button the viamobil is switched on (the display [17] is activated) or off (the display [17] goes out).

Display [17]

All essential operating information is constantly shown here (see chapter 3.2).

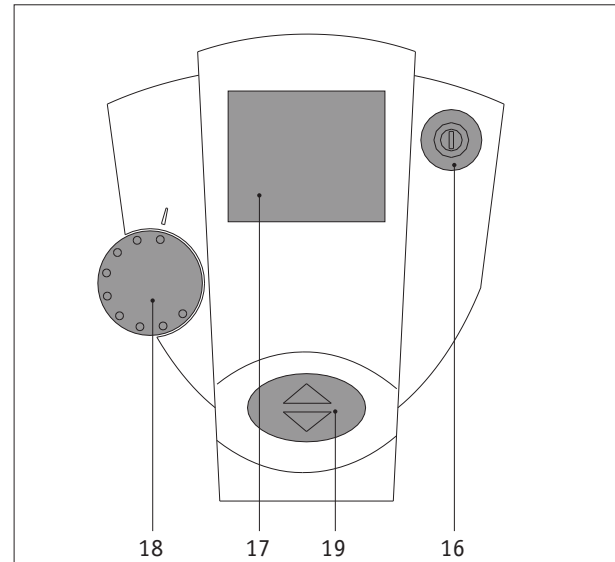
Adjustment wheel for pre-selection of the maximum speed [18]

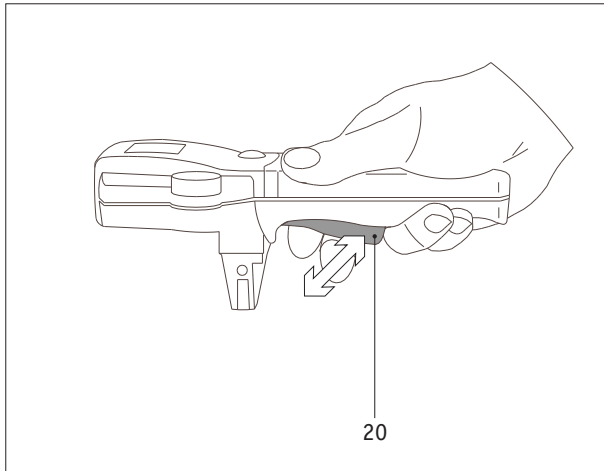
Here you can pre-select the maximum speed to be attained by the viamobil.

Forwards/backwards button [19]

With this you determine the direction of travel of the viamobil (forwards/backwards).

Note: When the viamobil is switched off, the direction of travel which you have selected is saved!





### Driving lever [20]

This can be compared to the accelerator pedal on a car. Initially the viamobil stands still. The more you lift the lever [20], the faster the viamobil will move.

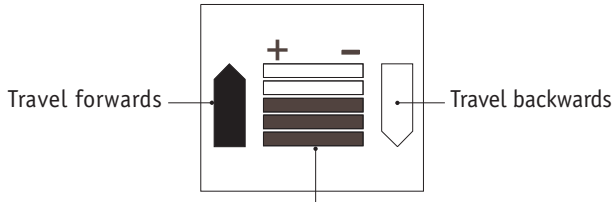
The maximum speed reached (by lifting the lever [20] until there is a discernible resistance to any further movement) is limited by the adjustment wheel [18].

Additionally the driving lever [20] can also be used to set off the panic switch, which is described in detail in chapter 3.3.

### 3.2

#### Information on the display

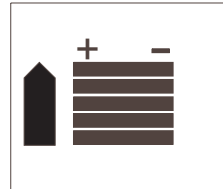
On the display of the control unit current travel information is constantly shown. There is the following:



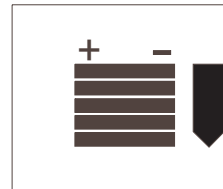
Bars indicating the current state of charge of the batteries

### 3.2.2

#### Display of the direction of travel



Arrow on the left hand side is black, no arrow visible on the right: direction of travel forwards



No arrow visible on the left hand side, arrow on the right is black: direction of travel backwards

### 3.2.1

#### State of charge of the batteries

The number of bars in the centre of the display keeps you constantly updated on the remaining capacity of the battery pack.

- Five black bars: Batteries are 100 % charged
- Four black bars: Batteries are 80 % charged
- Three black bars: Batteries are 60 % charged
- Two black bars: Batteries are 40 % charged
- One black bar: Batteries are 20 % charged

**Re-charging absolutely essential**

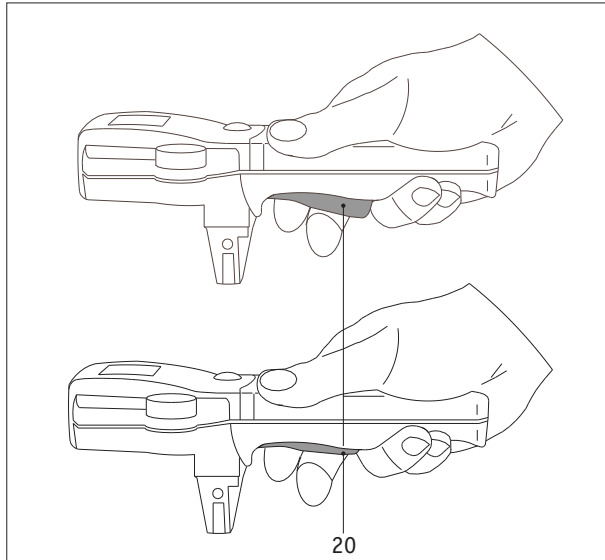
### 3.3

#### Panic switch

Particularly in emergencies it is essential that the viamobil comes to a standstill immediately.

The control unit [12] has a "panic switch" for this situation. It can be engaged by the driving lever [20].

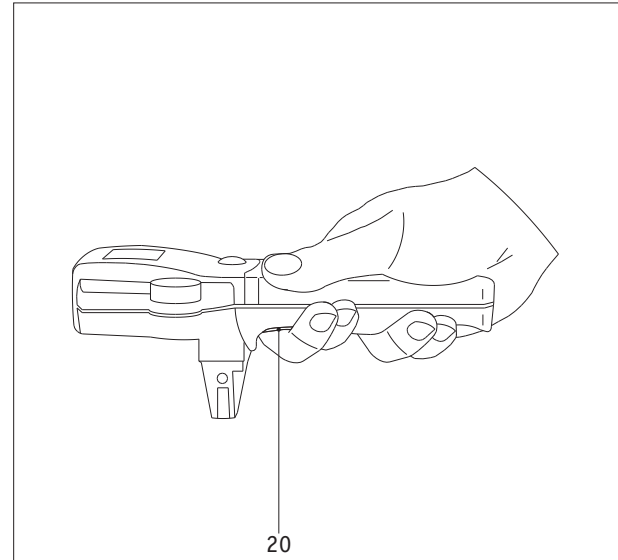
During normal use you regulate the speed with the driving lever [20] by lifting it (speed is increased) or letting it go (speed is reduced). You will observe that the driving lever [20] can be raised very easily, without any noticeable resistance.



There is noticeable resistance only when you reach the upper limit of travel, which is when you attain the pre-selected maximum speed.

If you overcome this noticeable resistance by firmly raising the driving lever [20], then you trigger a compulsory switch off (immediate stop) of the viamobil.

After you release the driving lever [20] again you can immediately resume travelling with the viamobil.



## 4 Batteries

### 4.1

#### General information regarding the batteries

The viamobil batteries are maintenance free and re-chargeable. Their lifespan depends essentially on the number of charge / discharge cycles. By looking after the batteries properly with re-charging you can prolong their life. The electronics in the viamobil constantly monitors the state of charge of the battery and enables you to prevent it getting completely discharged.

- Avoid letting the battery become completely discharged. Re-charge the viamobil battery after every partial discharge, i.e. after every use.
- Lead batteries are subject to self-discharge. Therefore the viamobil battery should - whenever possible - be constantly connected to the **alber** mains charger. Thanks to the automatic charging feature, which switches to charge maintenance after charging up, it is not possible to overcharge the batteries.
- If lead batteries are stored for a longer period of time (without being re-charged), they suffer a loss of capacity. However, after several charge / discharge cycles the full capacity will return.



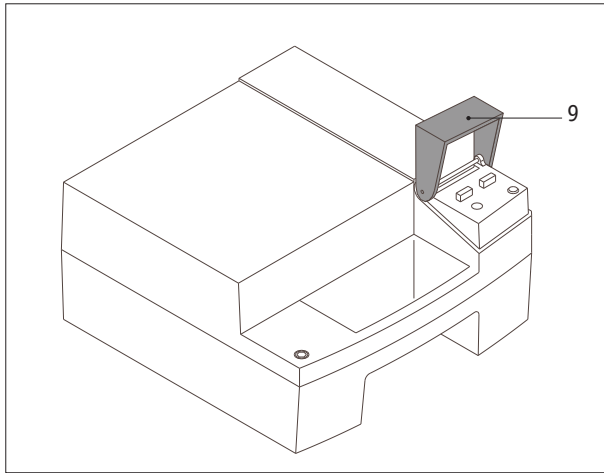
The batteries on your viamobil can be charged and discharged in any position. They are as safe as dry cells and are approved for air transportation by IATA and DOT.

### 4.2

#### Charging the battery on the wheelchair

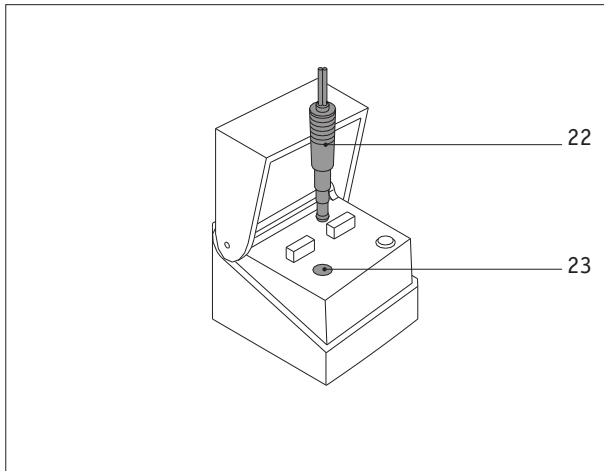
To charge the battery it is not necessary to remove it from the viamobil.

- Lift the fuse cover [9] up.
- Insert the charger plug [22] into the battery charger socket [23].
- Switch on the charger.
- During the charging process the LED display **on the charger** shows a constant red light.
- When the charging cycle is complete, the red LED **on the charger** flashes.
- After the charging cycle, pull the charger plug [22] out of the socket [23].
- Lower the fuse cover [9] again.



Make sure that the batteries are re-charged after every longer use of the viamobil. If the viamobil is not in use, then the batteries should always be connected to the charger. The **alber** mains charger automatically switches to charge maintenance once the batteries are fully charged. It is not possible to overcharge or damage the batteries.

**Please observe the operating instructions that come with the battery charger.**



**!** If the batteries are charged on the viamobil, a lockout switch prevents the drive from being switched on. It is not possible to drive off accidentally while the charger is connected.

**!** Always ensure that the fuse cover [9] on the battery is closed. Open it only if a fuse needs to be changed or if the battery has to be charged.



### 4.3

#### Charging the battery in the car

When your wheelchair is transported by car, due to the lack of sufficient space, the viamobil is usually removed from the wheelchair (see chapter 5). You should also remove the control unit and battery from the viamobil (see chapters 5 and 2.2).

The charging process is the same as described above, except that the charger is not plugged into a socket on the wall, instead it is driven by the voltage transformer, available as an optional extra. Please observe the operating instructions provided with the voltage transformer.

### 4.4

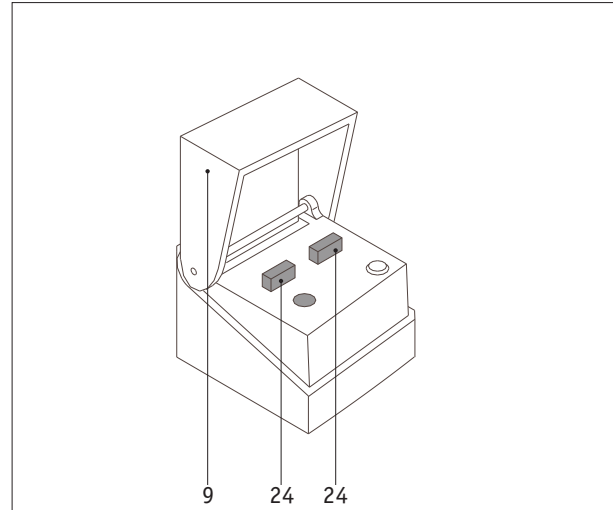
#### Changing the fuses on the batteries

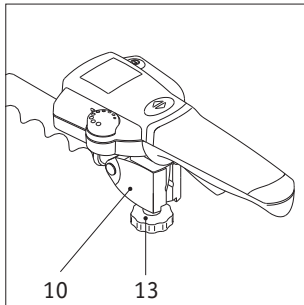
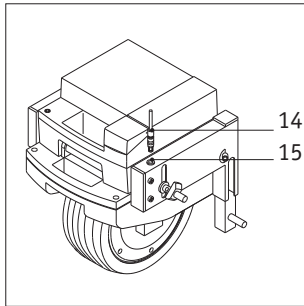
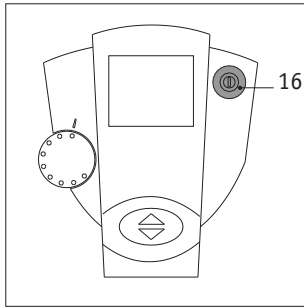
To maintain electrical safety conditions there are two fuses rated at 25A each on the battery pack.

If a fuse needs to be changed, please proceed as follows:

- Remove the battery pack from the viamobil (see chapter 2.2). This automatically disconnects the electrical supply from the viamobil.
- Lift the fuse cover [9] up.
- Remove the defective fuse [24].

- Put a new fuse [24] in.
- Lower the fuse cover [9] again.
- Replace the battery pack on the viamobil (see chapter 2.4). This automatically re-connects the electrical supply to the viamobil.
- Carry out a functional test.



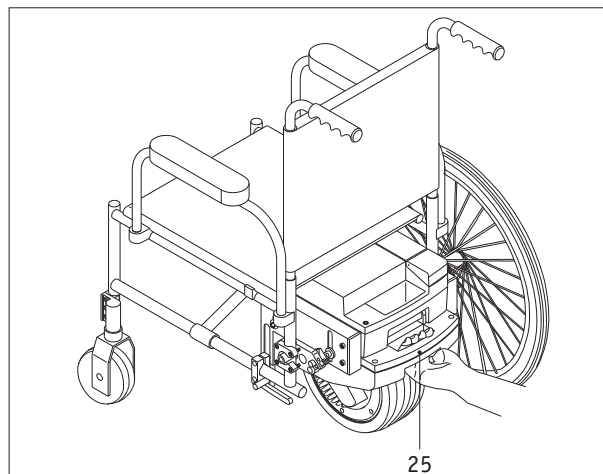
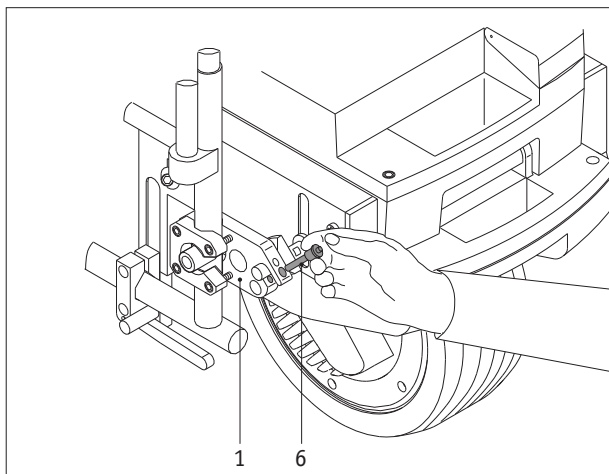


## 5 Removal of the viamobil from the wheelchair

As a rule the viamobil will remain on your wheelchair. If it needs to be removed, however, for transportation for example, then please proceed as follows:

- Switch the viamobil off by pressing the ON/OFF button [16] (the display goes out).
- Then pull the plug [14] out of the socket [15].
- Release the fixing screw [13] and lift it out of the locator [10] upwards.
- Now pull the control unit out of the locator [10] and put it in a safe place.
- Remove the battery pack from the viamobil drive unit, as described in chapter 2.2.
- Put the battery pack in a safe place.
- If optional tilt supports should be fitted to your viamobil then please remove them in accordance with the instructions in chapter 6.2.

- Remove the locking pin [6] from the upper bracket [1] by pressing with the thumb on the unlocking bolt in the centre of the locking pin and by simultaneously pulling the pin out by gripping it with the first and middle fingers.
- Pull the viamobil out by its handle [25] from underneath the wheelchair.
- If the optionally available additional handgrips should be fitted to your viamobil then remove them in accordance with the instructions in chapter 7.2.
- Put the viamobil in a safe place.

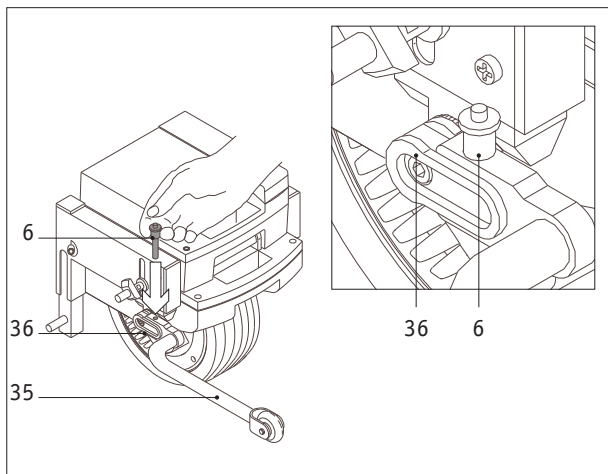
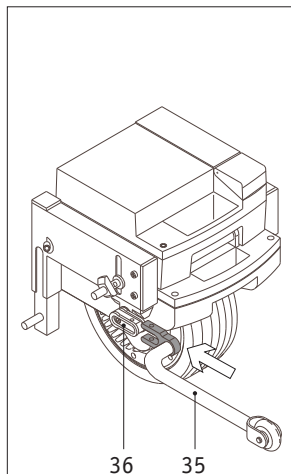
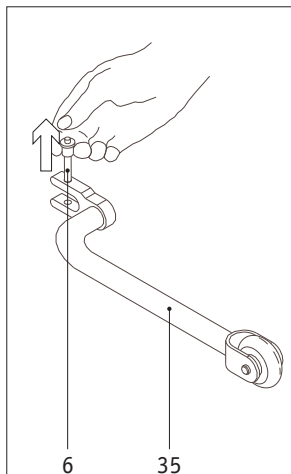


## 6 Tilt supports (Optional accessory)

As most wheelchairs are fitted with tilt supports as a standard feature, **alber** tilt supports are offered as an optional accessory for the viamobil.

If you ordered tilt supports for your viamobil, the necessary brackets are already in place.

If you wish to fit tilt supports to your viamobil at a later date, your specialist dealer will mount the brackets for you.



## 6.1

### Fitting and removing the tilt supports

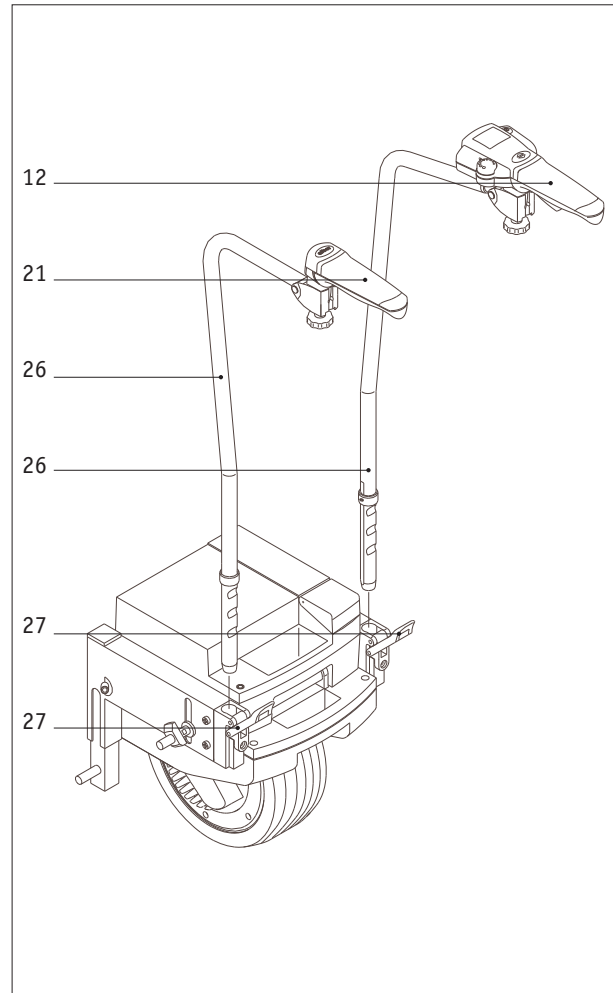
- Remove the locking pins [6] from the tilt supports [35] by pressing with the thumb on the unlocking bolt in the centre of the locking pin and simultaneously pulling the pin out by gripping it with the first and middle fingers.
- Push the tilt support [35] into the locator [36] on the viamobil, as shown in the diagram.
- Then lock the tilt support [35] in the locator [36] with the locking pin [6] by pressing with the thumb on the unlocking bolt in the centre of the locking pin and pushing it completely up to the stop into the locator [36].
- Check that the locking pins [6] are firmly placed in the locators [36].  
It must not be possible to remove them without pressing on the unlocking bolt!
- To remove the tilt supports [35] from the viamobil proceed in the reverse order.

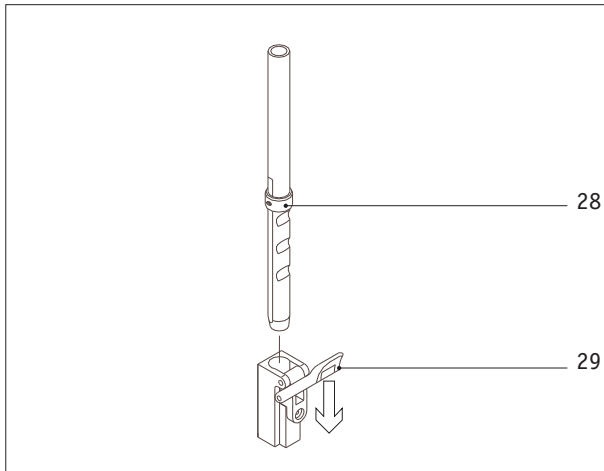
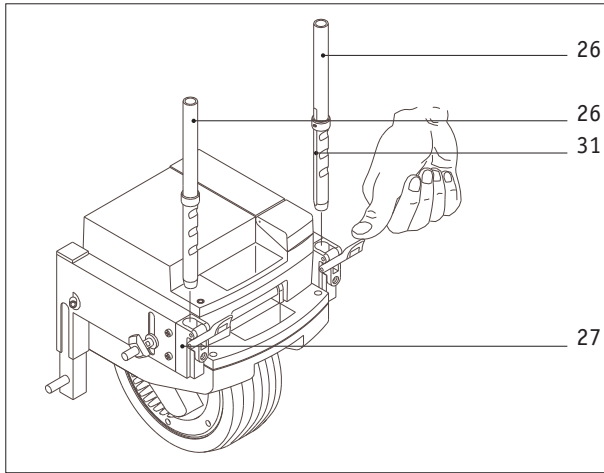
## 7

### Additional handgrips

(Optional accessory)

The clamp brackets [27] required for fitting additional handgrips [26] are mounted on the viamobil by your dealer. He will also fit the control unit [12] and handle extensions [21] to the additional handgrips in accordance with your wishes.





## 7.1

### Fitting additional handgrips to the viamobil

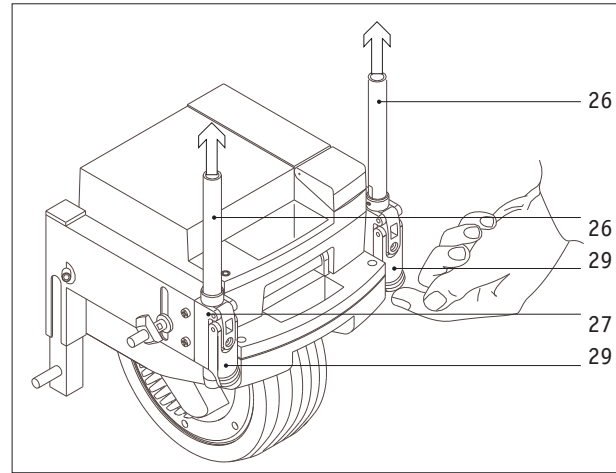
- Insert the additional handgrips [26] into the clamping brackets [27] as shown in the diagram. Make sure that the guide rails [31] of the two tubes are lined up properly.
- A set collar [28] already fitted by your dealer serves as a stop for fixing the height adjustment.
- If the set collar [28] rests on the clamping bracket [27], press the clamping bracket lock [29] down.
- The additional handgrips [26] are now firmly connected to the viamobil.
- Connect the control unit to the viamobil (see chapter 2.5).

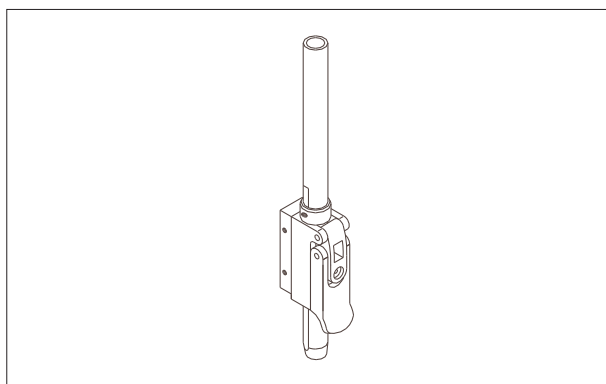
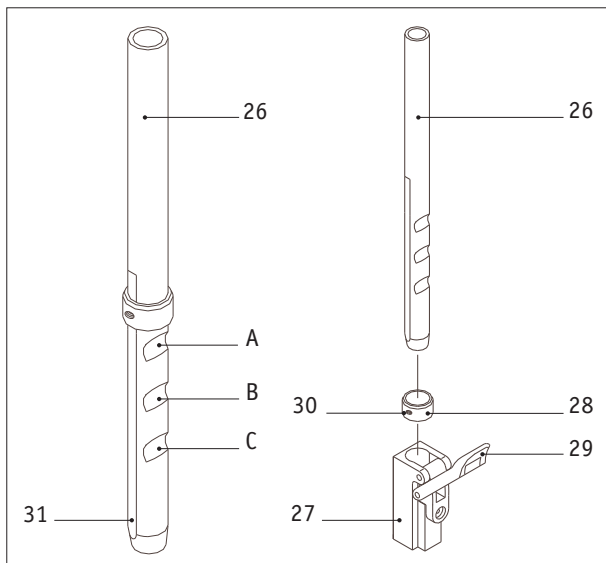
The fitting of the control unit [12] and the handle extensions [21] on the handgrips is done in the same manner as fitting them to the framework tubing of the wheelchair (see chapter 2.5). The requisite locators have already been fitted to the handgrips by your dealer.

## 7.2

### Removing additional handgrips from the viamobil

- First disconnect the electrical supply for the control unit from the viamobil (see chapter 5).
- Open the clamping bracket lock [29] as shown in the diagram.
- Pull the additional handgrips [26] out of the clamping brackets [27] and place them aside.





### 7.3 Changing the height position

The additional handgrips were fitted by your dealer and adjusted to the correct height above the ground. If you wish to change this height, then please proceed as follows:

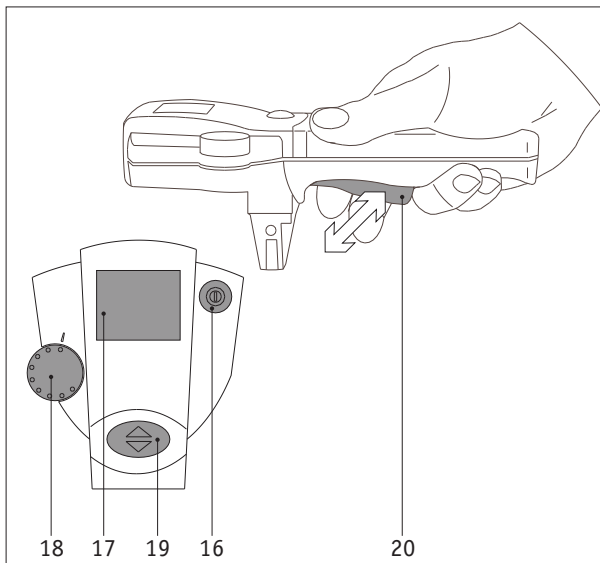
- Loosen the threaded pin [30] in the set collar [28] so that the set collar [28] can easily be moved over the tubing of the additional handgrips.
- Push the additional handgrips [26] with the loose set collars [28] on them into the clamping brackets [27].
- Clamping by means of the bracket locks [29] can only occur in the notches A, B or C, providing 3 different distances for the handgrips above the ground.
- Choose the distance to the ground which is most suitable for yourself and close the bracket lock [29].
- Place the set collar [28] on the clamping bracket.
- Locate the threaded pin [30] onto the guide rail [31] and screw it tight.
- The additional handgrips can now be removed from the viamobil at any time. The height you have set remains fixed.



## Instructions for the first trip

Your viamobil was prepared for use for you by **alber** or by your dealer. There follow a few instructions for you for the first trip with the viamobil.

- At rest the viamobil wheel is located about 2 cm above the ground. This allows you to move the wheelchair without help from the viamobil.
- After the viamobil is switched on by pressing the ON/OFF button [16] on the control unit (see also chapter 3) the wheel is lowered to the ground and the viamobil is ready to go.
- Please check which direction of travel is indicated on the display [17] and correct it if necessary by pressing the button 19.
- Turn the adjustment wheel for pre-selecting the maximum speed [18] counter-clockwise up to the stop. With this you have pre-selected the minimum speed.
- Now pull the driving lever [20] slowly upwards - the viamobil begins to move the wheelchair.
- Get acquainted with the driving properties of the viamobil at this lowest speed. Then you can increase the pre-set speed a little, drive forwards and backwards and get a feel for the functions of the driving lever [20].



## 9

### Safety and danger instructions

For the safe use of the viamobil it is vital that the following instructions are observed.

#### 9.1

##### Safety instructions

- The viamobil may only be attached to push rim wheelchairs that comply with the recognised technological regulations and that have been checked over.
- The parking brakes on the wheelchair to which the viamobil is to be attached must be so situated that the escorting person can easily reach them.
- Please observe the operating instructions of the wheelchair when using it with the viamobil; the maximum permitted load for the wheelchair must be reduced by the weight of the viamobil (approx. 25 kg).
- Ensure that the tyre pressure in the wheelchair wheels corresponds to the directions of the wheelchair manufacturer.
- Only the escorting person pushing the wheelchair may operate the viamobil. Because of the tilting danger, especially when travelling on slopes, it is not designed for wheelchair occupants themselves.
- On starting up always turn the adjustment wheel for speed pre-selection to the slowest speed position.
- In case it tilts, the escorting person must be capable of supporting the wheelchair and its occupant from the rear. The fitting of tilt supports is recommended.
- The fitting and change of the brackets for the viamobil must be carried out exclusively by **alber** authorised specialists.
- The system must be checked over and maintained every 2 years by your specialist dealer.
- If you travel parallel to obstacles that are narrower than the track width of the wheelchair, then they should not be higher than 3 cms.
- Under no circumstances must slopes of greater than 18 % be negotiated. In every case the maximum permitted slope specified by the wheelchair manufacturer must not be exceeded.
- For slopes greater than 8 % tilt supports must be used.
- Always cross kerbs with great care; if the height exceeds 8 cms then they must be surmounted in manual operating mode.
- Avoid travelling in sand or through puddles.

- Prior to driving with the viamobil over slopes you must be capable of using the additional drive unit properly on the level.
- Never drive against steps or precipices with the additional drive unit switched on.
- Never leave the viamobil unsupervised, whether it be switched on or off.
- The viamobil brake only works when the drive is switched on.  
For a short stop on a slope it is therefore not necessary to engage the wheelchair's mechanical parking brake. In case of a longer stay or if the drive unit is switched off, the wheelchair must be secured by engaging its parking brake.
- Always ensure that the battery cover is kept closed. Open it only if a fuse needs to be changed or if the battery has to be charged.
- The performance of the viamobil may be influenced by electromagnetic fields, such as those produced by mobile phones, for example. The additional drive unit should therefore be switched off if a mobile phone is being used in the immediate vicinity of the wheelchair.
- The operation of the viamobil may also interfere with other equipment such as theft-detection barriers in retail stores.

- It is highly recommended that tilt supports are fitted to the wheelchair or the viamobil.

## 9.2 Obstacles

Obstacles with a height exceeding 8 cms, such as kerbs for example, should always be surmounted in manual operating mode.

- Switch the viamobil off and move forwards up to the obstruction.
- Lift the front wheels of the wheelchair slightly by pulling it gently by the handles to the rear and pushing down.
- Now push the wheelchair onto or over the obstacle.
- Then the viamobil can be switched on again and the journey can continue.

### 9.3

#### Dangerous ground and dangerous situations

Taking into account his driving skills and physical abilities, the viamobil driver decides for himself which routes he will travel.

Prior to setting off he must check the viamobil for worn or damaged tyres, as well as the state of charge of the batteries and the proper functioning of the direction indicators.

These safety checks, as well as the requisite personal driving skills, are particularly important near the following dangerous ground, which should only be tackled at the discretion of the viamobil driver:

- Quay walls, landing and berthing points, paths and places close to water, unsecured bridges and dikes
- Narrow paths, sloping ground (e.g. ramps and driveways), narrow paths beside inclines, mountain routes
- Narrow and / or sloping paths close to main arterial roads or close to chasms
- Leaf- and snow-covered or icy driving routes
- Ramps and lifting equipment on vehicles.



Slopes with a maximum gradient of 18 % can be driven on with the viamobil. However, important prerequisites are faultless tyre treads, correct tyre air pressure, a completely safe terrain and a maximum load of 130 kg.

**Particular care should always be taken when crossing main arterial roads, cross roads and level crossings. Never cross rail tracks in the road or at level crossings by driving in parallel to them as the wheels could get wedged in.**

**Great care should be taken in driving on ramps attached to vehicles. During the lifting or lowering procedure of the ramp the viamobil must be switched off. The hand brakes on the wheelchair must also be engaged. This prevents the viamobil rolling away, e.g. through unintentionally issued driving commands.**

**When it is wet the tyres have less grip on the road surface; there is a greater risk of slipping. Please adjust your driving style accordingly.**

What to do if...	Remedy	Tell...
The battery cannot be re-charged	The fault can only be remedied at the factory	Your dealer
The viamobil cannot be switched on	Check whether: <ul style="list-style-type: none"> <li>- The charger is still connected (if so, remove it)</li> <li>- The batteries are charged</li> <li>- The control unit cable is connected to the driving unit socket</li> <li>- The fuses have blown</li> </ul>	
The viamobil cannot be switched on even though the charger has been disconnected	The fault can only be remedied at the factory	Your dealer
The display button sticks	Under no circumstances must you continue to use the viamobil	Your dealer
The viamobil comes to a sudden standstill	Switch the viamobil off and switch it on again. If there is no reaction then the device is faulty and must be sent to the factory	Your dealer

## 11

### Care, maintenance and disposal

#### 11.1

##### Charging the battery

For every trip your viamobil needs energy. Please make sure that the battery is never completely empty, as over the long-term it may damage it. It is recommended that the battery be re-charged after every use, if possible.

Always use only the mains charger supplied by **alber** with the viamobil to charge the battery. This switches off automatically once the battery is fully charged. So it is not possible to overcharge the batteries. For charging in cars a 12V/230V voltage transformer can be supplied as an optional extra.

#### 11.2

##### Cleaning

The control unit, drive unit and battery pack must only be wiped with a damp (not wet) cloth.

Dirt should also be carefully cleaned off the powered wheel, preferably with compressed air or using a dry brush.



**About every two months, the locators for the anti-tippers as well as the upper and lower brackets on the wheelchair must be cleaned with a damp (not wet) cloth**

#### 11.3

##### Maintenance

Your viamobil is an extremely maintenance-free device. For safety reasons however, it must be maintained every 2 years, even if no external damage or faults are discernible. Please contact your specialist dealer or one of the **alber** representatives regarding this maintenance work.

#### 11.4

##### Disposal

Your viamobil and the batteries are products that have a long life.

At the end of their natural lifespan, the components should be returned to **alber** or to **alber** authorised dealers for professional disposal that also protects the environment.

## 12

### Warranty and liability

#### 12.1

##### Warranty

The warranty period for the viamobil is 24 months (for batteries only 6 months) from the date of purchase and covers material and workmanship faults.

Excluded from the warranty are:

- Parts subject to normal wear and tear
- Damage resulting from excessive use
- Damage resulting from careless handling
- Violent damage
- Prohibited changes to the viamobil or to the accessories.

#### 12.2

##### Liability

Ulrich Alber GmbH, as manufacturer of the viamobil, is not liable for its safety if:

- The viamobil is handled improperly
- The viamobil is not regularly maintained by an authorised specialist dealer or by Ulrich Alber GmbH
- The viamobil is used contrary to the instructions in this operating manual
- The viamobil is operated with insufficiently charged batteries
- Repairs or other work is carried out by other than authorised persons
- Foreign parts are built on or connected to the viamobil
- Parts are removed from the viamobil.

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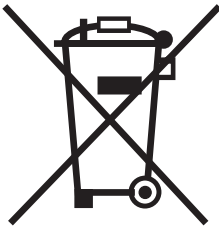
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**D** Dieses Produkt ist von einem umweltbewussten Hersteller geliefert worden, der gemäß der Verordnung 2002/96/CE zur Entsorgung von Elektro- bzw. Elektronikschrott (WEEE) arbeitet.

Dieses Produkt kann Stoffe enthalten, die sich für die Umwelt als schädlich erweisen könnten, falls sie an Orten (Mülldeponien) entsorgt werden, die nach der Gesetzgebung dafür nicht geeignet sind.

Das Symbol der „durchgestrichenen Mülltonne“ befindet sich auf diesem Produkt, um Sie an die Verpflichtung zum Recycling zu erinnern.

Bitte verhalten Sie sich umweltbewusst und führen Sie dieses Produkt am Ende seiner Nutzungsdauer Ihrer Recyclingeinrichtung zu.

**GB** This product has been supplied from an environmentally aware manufacturer that complies with the Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/CE.

This product may contain substances that could be harmful to the environment if disposed of in places (landfills) that are not appropriate according to legislation.

The 'crossed out wheeled bin' symbol is placed on this product to encourage you to recycle wherever possible.

Please be environmentally responsible and recycle this product through your recycling facility at its end of life.

**S** Den här produkten har levererats från en miljömedveten leverantör och som uppfyller normerna i Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/CE.

Den här produkten kan innehålla ämnen som kan skada miljön om den inte återvinns enligt Svensk lagstiftning.

Symbolen, den "överkryssade soptunnan" är placerad på denna produkt för att uppmana till återvinning då det är möjligt.

Vänligen tag miljöansvar och återvinn denna produkt genom din lokala återvinningsstation.

**F** Ce produit vous a été fourni par alber, un fabricant qui respecte l'environnement. Il est conforme à la directive 2002/96/CE Rebut des équipements électriques et électroniques(WEEE).

Ce produit peut contenir des substances qui pourraient être nocives à l'environnement si elles sont déposées dans des endroits inappropriés (remblais par exemple) et non conformes à la législation en vigueur.

Le symbole «Époubelle barrée» est apposé sur ce produit pour vous encourager à le recycler dans les structures de collecte sélective (veuillez contacter votre Mairie).

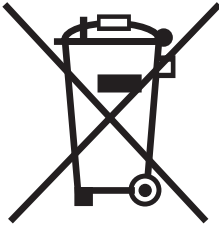
Soyez écologiquement responsable et recyclez ce produit à la fin de sa durée de vie.

**NL** Dit product is geleverd door een milieubewuste fabrikant die volledig voldoet aan de richtlijnen van de Electrical and Electronic Equipment (WEEE) Directive 2002/96/CE.

Dit product kan stoffen bevatten die schadelijk zijn voor het milieu wanneer deze niet volgens de richtlijnen worden afgevoerd.

Het container symbool geeft aan dat u wordt verzocht het product te recyclen wanneer mogelijk.

Neem alstublieft uw verantwoordelijkheden en recycle dit product via een erkend recyclingbedrijf aan het eind van het gebruiksleven.



**I** Questo prodotto è stato fornito da un fabbricante in conformità alla direttiva "gestione dei rifiuti di apparecchiature elettriche ed elettroniche (RAEE)" 2002/96/CE.

Questo prodotto può contenere delle sostanze che potrebbero essere dannose per l'ambiente se eliminato in luoghi non appropriati (punti di raccolta) conformemente alla legislazione in vigore.

Il simbolo " contenitore di spazzatura barrato" collocato su questo prodotto vi incoraggia a riciclarlo consegnandolo nei punti di raccolta appropriati.

Comportatevi in maniera responsabile verso l'ambiente e riciclate questo prodotto alla fine della sua durata di vita.

**E** Este producto ha sido fabricado por una empresa que cumple con la Directiva Europea 2002/96/EC relativa a los aparatos eléctricos y electrónicos y la gestión de sus residuos.

Este producto puede contener sustancias perjudiciales para el medio ambiente si su manipulación es inapropiada o no es conforme a la legislación en vigor.

El contenedor tachado es un símbolo que indica la recogida selectiva de aparatos eléctricos o electrónicos para incentivar siempre que sea posible el reciclaje.

Por favor, actúe de forma responsable con el medio ambiente y recicle este producto al final de su vida útil.

**DK** Dette produkt er fremstillet af en miljøbevidst producent, som opfylder normerne i Waste Electrical og Electronic Equipment (WEEE) direktiv 2002/96/CE.

Dette produkt kan indeholde stoffer, der kan være skadelige for miljøet, hvis de ikke bortskaffes i henhold til gældende lovgivning.

Symbolet, den "overkrydsede skraldespand", er placeret på dette produkt for at opfordre til genbrug, hvor det er muligt.

Tag venligst miljøansvar og genbrug dette produkt gennem din lokale genbrugsstation, når dets levetid er omme.

**N** Dette produktet er levert fra en miljøbevist leverandør som oppfyller normene i Waste Electrical and Electronic Equipment (WEEE) Directive 2002 / 96 / CE.

Dette produktet kan inneholde emner som kan skade miljøet om det ikke resirkuleres etter norske regler.

Symbolet, den "overkryssede søppelkasse" er plassert på dette produktet for å oppfordre til resirkulering da dette er mulig.

Vær vennlig å ta miljøansvar, resirkuler dette produktet gjennom din gjenvinningsstasjon.

**FIN** Tämän tuotteen on toimittanut ympäristötietoinen yritys, joka noudattaa Euroopan yhteisön asettamaa direktiiviä 2002/96/EE sähkö- ja elektroniikkalaiteromusta (WEEE).

Tuote voi sisältää aineita jotka ovat ympäristölle haitallisia, jos ne joutuvat ympäristöön (jättemaa), johon ne eivät lain mukaan kuulu.

Tuotteeseen merkitty symboli "ei jäteastiaan" kehottaa kierrätykseen aina kun se on mahdollista.

Ole ympäristötietoinen ja toimita tuote kierrätyspisteeseen kun se poistuu käytöstä.