



OPERATING MANUAL

TA iQ MYSeat electric wheelchair



Users with visual impairments can find the PDF-files together with further information on our website:

< *www.meyra.com* >.

➔ Contact your specialist dealer when required.

Alternatively users with visual impairments can have the documentation read out by a helper.

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MEANING OF THE APPLIED MARKERS

Safety instructions with a coloured background are mandatory and need to be observed under any circumstance!

- ➔ This symbol indicates tips and recommendations.
- [] Reference to a figure number.
- () Reference to a functional element within a figure.

INTRODUCTION

Read and observe this manual before first operation.

Children and juveniles should read this documentation together with their parents respectively a supervisor or accompanying person before first use.

This operating manual is to help you get accustomed to the handling of the electric wheelchair as well as to prevent accidents.

- ➔ For this observe the following documents:
 - the operating manual < *Control module* >,
 - the safety and general handling instructions < *Electric vehicles* >.
- ➔ Please note that the illustrated equipment variants can deviate from your model.

We have therefore also listed chapters with options that might not be applicable for your individual electric wheelchair. A list of the available options and accessories can be viewed in the order form of your electric wheelchair.

Inform yourself regularly about product safety and possible recalls of our products in the < *Information centre* > on our website:

< www.meyra.com >.

We have developed an electric wheelchair that complies with the technical and governmental regulations of medical devices. For information about a severe accident that can still not be ruled out completely, please use our E-mail address < info@meyragroup.com > and inform the responsible governmental agency of your country.

LIST OF MODELS

This operating manual applies to the following models:

Model TA iQ MYSeat

INDICATIONS / CONTRAINDICATIONS

In the event of allergic reactions, skin redness and/or pressure sores while using the electric wheelchair, consult a doctor immediately.

In order to prevent contact allergies, we recommend to use the electric wheelchair only when wearing clothes.

The wide range of functions offered by your power wheelchair enables it to be used in cases of significant to complete impairment of mobility/walking caused by structural and/or functional damage to the lower extremities (e.g. amputation, injury sequelae, musculoskeletal or neuromusculoskeletal movement disorders caused, for example, by:

- paralysis,
- loss of limbs (leg amputation),
- limb defects/deformities,
- joint contractures/damage,
- other diseases.

Also to be observed for individual provision are the physical and psychological state, age of the handicapped person as well as the personal living condition and private environment.

Each provision should be reviewed, tested and tailored case by case to the specific functional limitations arising from the diagnosed condition by a professionally trained person (medical device consultant, rehabilitation consultant, among others). This also includes that people that show a counter indications to the named problems in some cases need to give proof of the cognitive, mental and moral ability to operate one of the models shown in the list of models.

The electric wheelchair may not be used in cases of:

- Cognitive limitations and mental retarding, that rule out the independent use of the electric wheelchair.
 - Limited eyesight, which cannot be compensated through glasses or other aids and that lead to limitations in the day to day.
 - Influence of impairing medications (ask your doctor or pharmacist).
 - Circumstances that prevent the individual use of the control device.
 - Severe balance and/or perception disorders.
 - Disability to sit.
- ➔ To these and other possible risk concerning your electric wheelchair ask your doctor, therapist or specialist dealer.

Therapy table

In the event of unexpected symptoms that may be related to the use of the therapy table, contact a doctor immediately.

The indications/contraindications additionally listed in this chapter do not replace the indications/contraindications for the use of the electric wheelchair.

The table must not be used in the following cases:

- Persons with claustrophobic tendencies.

ACCEPTANCE

All products are checked for faults in the factory and packed in special boxes.

- ➔ However, we request that you check the electric wheelchair for possible transport damage immediately on receipt – preferably in the presence of the carrier.
- ➔ The packaging of the electric wheelchair should be stored for a further transport that might become necessary.

INTENDED PURPOSE

The electric wheelchair is intended to improve independent mobility indoors and outdoors.

USE

Never use the electric wheelchair without the leg supports and armrest units mounted!

The electric wheelchair serves solely for transporting **one** sitting person.

– Other pulling or transporting uses do not comply with its intended purpose.

Technical faults can cause the electric wheelchair to break down and come to a sudden standstill at any time.

If you only have limited or no mobility, ensure that you can get help at any time in case of a break down.

The electric wheelchair is applicable on level, firm surfaces and can be used as follows:

- for indoors (e.g. apartment, day care),
- outdoors (e.g. paved paths in parks).
- Never expose the electric wheelchair to extreme temperatures and damaging environmental conditions, such as sunlight, extreme cold or salty water.
- Sand and other dirt particles can seize on moving parts and render them without function.

The electric wheelchair offers manifold adjustment possibilities to individual vital statistics.

National regulations might prevent the use on buses, trains or in aircraft.

- ➔ Inform yourself at the transportation companies concerning limitations.
- ➔ Before going on a flight clarify the specific transport conditions with your flight agency and also the legal regulations concerning transport in a plane in your country of residence as well as at your destination.

- ➔ Your electric wheelchair is equipped by the manufacturer with maintenance-free batteries. Please check the < Information Centre > on our website < www.meyra.com > to find out whether your battery is suitable for transport by a plane.
- ➔ Before the flight, the safety plug must be disconnected.
 - ➔ See chapter *Safety plug* on page 45.

Only use the electric wheelchair in accordance with the specifications and limits stated in chapter *Technical data* on page 61.

ADJUSTMENT

Always have adaptation, adjustment or repair work carried out by a specialist dealer.

The electric wheelchair offers manifold adjustment possibilities to individual vital statistics. Before first use an adaptation of the electric wheelchair and a practical instruction in the functionalities of your electric wheelchair should be carried out by your specialist dealer. The adaptation will take into account the driving experience, the physical limits of the user and the main place of use of the electric wheelchair. Before first use, check the functionality of your electric wheelchair.

If your specialist dealer overhauls, reconditions or fundamentally modifies your electric wheelchair without using original spare parts, this may, under certain circumstances, constitute a new placement of the wheelchair on the market. This will further entail that your specialist dealer might need to conduct new conformity assessments and tests.

- ➔ We recommend regular inspection of the electric wheelchair adjustment in order to ensure optimum long-term provision, even if the user's illness/disability pattern changes. Especially for juveniles an adjustment every 6 months is recommendable.
- ➔ We recommend regular medical exams in order to ensure safety for active participation in traffic.

COMBINATION WITH MANUFACTURER FOREIGN PRODUCTS

Any combination of your electric wheelchair with components not supplied by us generally results in an amendment to your electric wheelchair. Please inquire with us if there is a valid combination clearance/release.

REINSTALLATION

The electric wheelchair is suited for reinstallation. With the building block system the electric wheelchair can be fit to accommodate different handicaps body sizes. Before reimplementation the electric wheelchair is to undergo a complete inspection.

- ➔ Hygiene measures required for reinstallation are to be carried out according to a validated hygienic plan and must include disinfection.

The service manual, intended for the specialist dealer provides information to the reinstallation and reinstallation frequency of your electric wheelchair.

LIFE SPAN

We expect an average life span of about 5 years for this product, as far as the product is applied for its designated purpose and all maintenance and service guidelines. The life span of your product depends upon the frequency of use, the application environment and care. The implementation of spare parts can prolong the life span of the product. As a rule spare parts are available up to 5 years after production is discontinued.

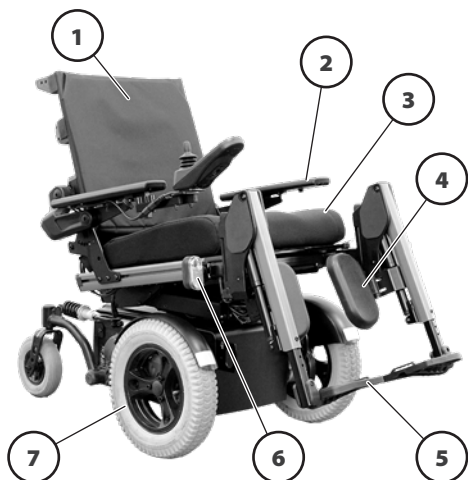
- ➔ The indicated lifespan does not constitute additional guarantee.

OVERVIEW

Model TA iQ MYSeat Version FWD

The overview shows the most important components and operating devices of the electric wheelchair.

- (1) Backrest
- (2) Armrest
- (3) Seat cushion
- (4) Calf plate
- (5) Footplate
- (6) Front lighting
- (7) Driving wheel
- (8) Operating module
- (9) Drive/push-mode selector lever
- (10) Type plate
- (11) Steering wheel
- (12) Electronics cover
- (13) Rear lighting



Model TA iQ MYSeat Version MWD

The overview shows the most important components and operating devices of the electric wheelchair.

- (1) Backrest
- (2) Armrest
- (3) Seat cushion
- (4) Footplate
- (5) Front steering wheel
- (6) Drive/push-mode selector lever
- (7) Front lighting
- (8) Driving wheel
- (9) Operating module
- (10) Type plate
- (11) Rear steering wheel
- (12) Electronics cover
- (13) Rear lighting



HANDLING THE ELECTRIC WHEELCHAIR

Securing the electric wheelchair

The electric wheelchair is to be secured as follows to prevent it from rolling off unintentionally:

1. Switch the selection lever for drive-/push mode up to drive mode on both sides.
2. Switch off the operating module.

Functional checks

The functions and safety of the electric wheelchair must be checked before the start of each journey.

- ➔ See chapter < *Pre-operation checks* > in the enclosed documentation.

Driving

You determine the speed and direction yourself while driving by moving the joystick, as well as by the preset maximum speed of your electric wheelchair.

SELECTING THE OPERATION

In order to obtain operational readiness of the electric wheelchair the following directions are to be carried out in the indicated order.

1. Charge the drive batteries via the control module before the first journey.
2. Switch the drive motors to drive mode [1]. – For this engage the brakes.

➔ See chapter *Locking the brakes* on page 15.

3. Check the correct fit of the battery/ mains fuse.

➔ The blade fuse (2) for the battery/ main current must be firmly seated in the fuse holder.

4. Check that the safety plug (3) is fitted securely.

➔ See chapter *Safety plug* on page 45

5. Check the position of the operating module.

➔ See chapter *Positioning the operating module* on page 18.

6. Switch the operating module on.

➔ Press the On/Off key (4) on the control panel of the operating module.

Before starting to drive, the following should be checked:

- The battery charge level.
- The selected preset of the pre-selectable maximum speed.

➔ See operating manual < Operating module >.



BRAKES

Brake the electric wheelchair down carefully and in time. This is especially the case when driving in front of people and while driving downhill!

Service brake

The motors act electrically as a service brake and bring the electric wheelchair to a standstill smoothly and without jolts.

Braking the electric wheelchair

For controlled braking of the electric wheelchair, slowly guide the joystick back to the starting position.

Emergency braking

The electric wheelchair stops in shortest distance after releasing the joysticks.

Parking brake

The parking brakes are only effective when the drive/push-mode selector lever is set to drive mode on both drives.

- ➔ The parking brakes disengage automatically when moving off.

The parking brakes are manually disengaged by switching the drive/push-mode selector lever on both drives to push mode.

Locking the brakes

It should not be possible to push the electric wheelchair forward when the brakes are engaged.

To engage the brakes, switch the drive/push-mode selector lever on both sides as far as it will go approx. 45° inwards (vertical position) into drive mode [1].

- ➔ Activation of the selection levers are intended for an accompanying person.



Releasing the brakes

Only transfer into or out of the electric wheelchair when it is switched off and both drive/push-mode selector levers are set to drive mode!

An unintentional movement of the joysticks (driving and steering lever) can otherwise lead to an uncontrolled start of the electric wheelchair! – Danger of accidents!

To release the brakes, switch the drive/push-mode selector lever on both sides as far as it will go approx. 45° outwards into push mode [2].

- ➔ Activation of the selection levers are intended for an accompanying person.

Drive-/push mode

Only switch the electric wheelchair to push mode (or push it) when stationary, for manoeuvring or in emergencies - never on inclines/declines.

After push mode do not forget to switch the drive back to drive mode. Danger of uncontrolled electric wheelchair movement if you do not do this.

When manoeuvring the electric wheelchair, bear in mind its considerable weight.

- ➔ Grab hold of the shunting handle and backrest in order to shunt the electric wheelchair.

Selecting the push mode

1. Switch the wheelchair off via the operating module. If the wheelchair is switched on when push mode is engaged, an error message appears on the display and an audible alarm sounds.
 - ➔ See operating manual < Operating module >.
2. Release the brakes [1].
 - ➔ See chapter *Releasing the brakes* on page 15.

The electric wheelchair can now be pushed.



Selecting the motor mode

1. Engage the brakes [2].
 - ➔ See chapter *Locking the brakes* on page 15.
2. Switch the control module on.
 - ➔ See operating manual < Operating module >.

The electric wheelchair is now ready for use again.

BATTERIES

Battery charging procedure

Do not insert any objects other than the battery charger plug into the charging socket.

➔ Danger of short circuit!

Only charge the batteries in well aired, dry rooms.

Protect the charger from heat, dampness, drop and spray water and jamming since it contains voltage.

➔ Risk of short circuit and fatal injury!

Ensure a good ventilation of the charger during the charging (do not cover) in order to dissipate the heat generated by the charger.

➔ Danger of fire!

Place the battery on a firm surface for charging.

Do not put the charger on the seat of the electric wheelchair for charging.

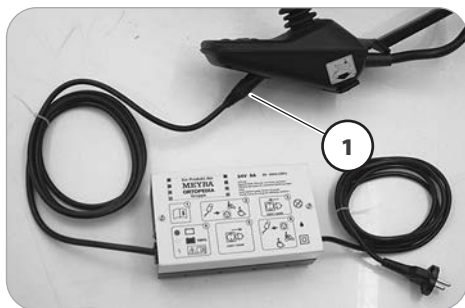
Do not smoke and avoid open flame or sparking when handling cables and electric devices. The charging gases that can be produced by the charging are always explosive.

Avoid spark build up through electrical static (for example caused by synthetic floor covers).

➔ For the battery charging procedure also observe the operating manual of the battery charger.

1. Lock the electric wheelchair.

➔ See chapter *Securing the electric wheelchair* on page 13.



2. Insert the charger plug into the battery charging socket (1) of the control module.

3. Switch the battery charger on, resp. insert the main plug of the battery charger into the corresponding power socket.

➔ The charging procedure is initiated.

➔ The charging procedure only runs with an intact mains/battery fuse (2)!

4. After a completed charging procedure disconnect the battery charger from the socket and remove the battery charging plug from the battery charging socket.

OPERATING MODULE

A detailed description of the buttons and symbols can be found in the operating manual < *Operating module* >.

The position of the control module can be adjusted to suit the individual size of the user. The control module can also be removed for transportation or storage and can be laid on the seat or stored separately.

Positioning the operating module

- ➔ Switch off the operating module before adjusting its position! – This prevents the electric wheelchair from rolling unintentionally.

Adjusting the distance to the padded armrest

Switch off the operating module before adjusting or removing it.

After adjusting the position, check that the operating module is securely seated.

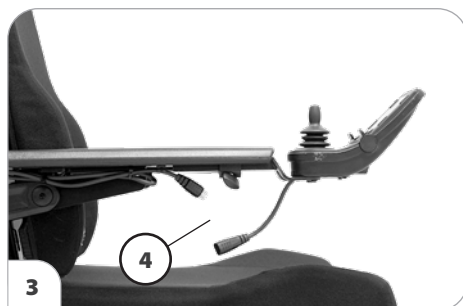
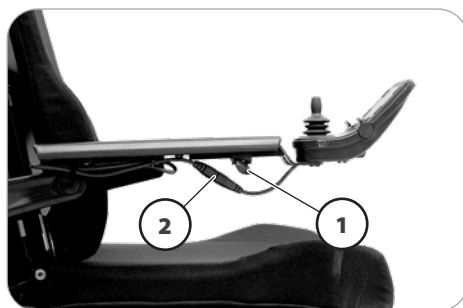
Slacken the clamping screw distance adjustment (1). Then slide the operating module or the clamping element into the desired position. In doing so carefully guide the cable and retighten the clamping screw (1) securely.

Removing the operating module

In order to remove the control module loosen the clamping screw (1) and disconnect the plugged connection (2) (4).

- ➔ Do not pull on the cable while doing so.

Afterwards pull out the control module toward the front out of the armrest tube.



Inserting the control module

Watch for possible jamming areas when plugging in the operating module.

For drive mode, insert the operating module into the armrest tube [3] from the front and adjust the distance to the armrest pad.

- ➔ See chapter *Adjusting the distance to the padded armrest* on page 18.

Then reconnect the separated plug connection (2).

- ➔ Check the function of the operating module.

Swivelling the control module

Do not grab into the area of the cross brace. – Risk of trapping!

With the optional swivelling operating module holder (3), the operating module can be swivelled back to the side [2] so that it is positioned at the side, parallel to the armrest. This makes it possible, for example:

- to drive closer to a table,
- remove the control module more easily.

For regular drive mode the control module can be swivelled back toward the front until it engages back into the magnetic lock [1].

- ➔ Should the control module be positioned too close to the armrest, move it forward before swivelling.



ATTENDANT CONTROL

Do not lean on the attendant control.

- ➔ The support plate is intended only to assist with operation.

The attendant control enables the attendant to steer the electric wheelchair easily via a separate, additional operating module.

Positioning the control

- ➔ Switch off the operating module before adjusting its position! – This prevents the electric wheelchair from rolling unintentionally.

Height adjustment

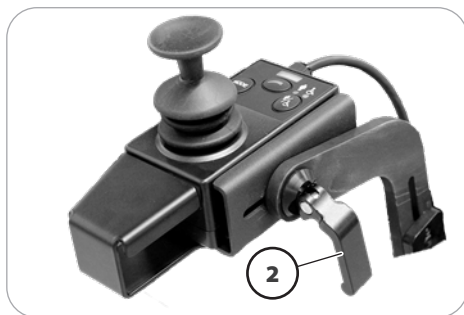
Hold the operating module and loosen the clamping lever (1).

Slide the operating module into the desired position and retighten the clamping screw.

Depth adjustment

Hold the operating module and loosen the clamping lever (2).

Slide the operating module into the desired position and press the clamping lever down again.



LEG SUPPORTS

Before any action on the leg support, the electric wheelchair must be secured against unintentional rolling.

- ➔ See chapter *Securing the electric wheelchair* on page 13.

Central leg support

To make it easier for the user to get in or out, the footboard [1] can be folded up [2].

- ➔ Beware of trapping points!
- ➔ To do so, remove both feet from the footboard.
- ➔ Before setting off, the footboard must be folded down again [1].

Optionally, the footboard can be lowered to the floor.



Side-mounted leg supports

Turning the leg supports to the side

Leg supports turned to the side are released automatically and can easily come off. Note this when handling (e.g. transport).

Beware of the risk of trapping between the leg support and seat.

When transferring out of/into the electric wheelchair, do not support yourself on the push button for locking (3), otherwise the locking mechanism of the leg support will release.

- ➔ Risk of accident due to the leg support swivelling away.

For easy transfer out of/into the electric wheelchair, as well as for moving closer to a wardrobe, bed or bathtub, the leg supports can be swivelled inwards/outwards [2].

- ➔ Remove the calf belt before swivelling away the leg supports [1].
- ➔ See chapter *Calf belt* on page 26.

To swivel away the leg supports, fold up the footplates or the footboard.

- ➔ See chapter *Footplates and footboard* on page 27.

Then press the respective push button for locking (3) and swivel away the corresponding leg support.

Swivelling in the leg supports

For inward swivelling, let the leg supports swivel forward until the lock audibly engages [1].

- ➔ After audibly swivelling the leg supports inward, check the respective locking device.



Removing the leg supports

For easy transfer out of/into the electric wheelchair, as well as to reduce the overall wheelchair length (important for transport), the leg supports can be removed [2].

- ➔ Remove the calf belt before swivelling away the leg supports [1].
- ➔ See chapter *Calf belt* on page 26.

To remove the leg support, first press the push button of the locking mechanism (3) and then lift the leg support upwards [2].

- ➔ Beware of possible trapping hazards!

Attaching the leg supports

To attach the leg supports, hold them parallel to the front frame tube (4), press them against it and hook them in by lowering them [1]. – In doing so the holding pin must slide into the frame tube.

- ➔ After attaching them, check the locking mechanism of the leg supports.



Height adjustment of the electric leg support

Never reach into the adjustment mechanism with your free hand when adjusting the height-adjustable leg support. – Risk of crushing!

When the electrically height-adjustable leg supports have been removed, the electrical contact (2) must, if necessary (e.g. during prolonged storage), be protected against moisture, wetness, dust and dirt!

➔ Possible malfunction of the electrical adjustment.

- ➔ The electrically height-adjustable leg support [1] automatically makes electrical contact when attached.
- ➔ After attaching it, carry out a functional test of the electrically height-adjustable leg support.

To adjust the height, raise or lower the leg support to the desired level via the operating module.

- ➔ See operating manual < *Operating module* >.



Height adjustment of the mechanical leg support with gas pressure spring

Never reach into the adjustment mechanism with your free hand when adjusting the height-adjustable leg support. – Risk of crushing!

If necessary, have an attendant help you during the adjustment process.

As long as the release lever is pressed, the leg support can be adjusted.

To adjust the height of the leg support, press the release lever (2) downwards.

- ➔ If the leg support is not bearing any weight, it raises automatically.
- ➔ If the leg support is bearing weight, it lowers automatically.



Calf belt

Do not drive without the calf belt.
– Danger of accidents!

The removable calf belt (1) prevents the feet from sliding off the back of the footplates.

- ➔ The calf belt must be removed in order to swivel away the leg supports [2].
- ➔ The calf belt is not used with angle-adjustable leg supports and is replaced by calf pads.

Removing the calf belt

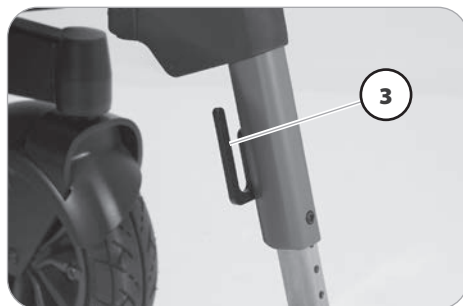
For removal the calf belt is to be pulled from the attachment pins (3).

Attaching the calf belt

To attach the calf belt, slide the loops on both sides over the attachment pins (3).

Length adjustment of the calf belt

For length adjustment, the calf belt is guided around the special attachment pins (3) and adjusted in length with a velcro fastener.



Footplates and footboard

Beware of the risk of trapping between the footplate or footboard and the leg support.

For getting in or out, and before swivelling away the leg supports [1], the footplates or footboard must be folded up.

1. Remove both feet from the footplates or footboard.
2. Remove the calf belt (2), if present.
 - ➔ See chapter *Calf belt* on page 26.
- ➔ Before driving off, fold the footplates or footboard down again [3] and attach the calf belt.

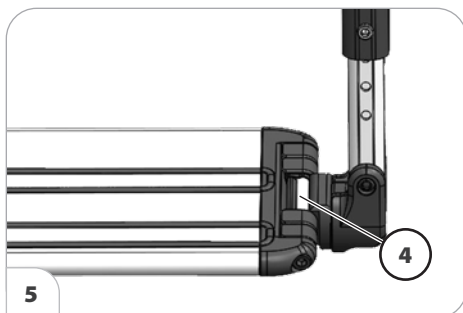
Folding up the footplates

The footplates can be folded outward and up [1] resp. inward and down [3].

Folding up the footboard

To fold up the footboard, fold the loose side of the footboard (4) upwards as far as it will go.

To fold down the footboard, fold the loose side of the footboard downwards as far as it will go onto the footboard holder [5].



ARMRESTS

Do not use the armrests [1] to lift or carry the electric wheelchair.

Do not drive without the armrests!

The standard armrests [1] can be adjusted by the specialist dealer in height, angle and length to suit the user's requirements.

Laterally swivelling armrest pad

Your electric wheelchair can optionally be equipped with a laterally swivelling armrest pad.

To swivel the armrest pad to the side, first pull the locking bolt (1) downwards and then use your free hand to swivel the armrest pad into the desired position.

- ➔ To lock the armrest pad, the locking bolt (1) must engage visibly and audibly.

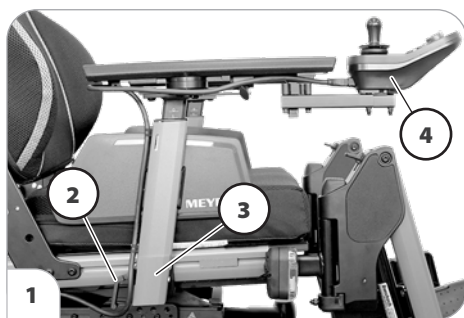


Plug-in armrest

Removing the armrest

To remove the armrest, first release the clamping lever (2) and then pull the armrest upwards.

- ➔ If the armrest on the control side is to be removed, the operating module (4) must be removed first.
- ➔ See chapter *Removing the operating module* on page 18.



Inserting the armrest

Beware of the risk of trapping between the armrests and the armrest holder.

To insert the armrest, first slide it into the armrest holder (3) as far as it will go and then press the clamping lever (2) down again.

- ➔ For inserting the operating module (4), see chapter *Inserting the control module* on page 18.

Upward swivelling armrest

Risk of accident due to the armrest unintentionally swinging down forwards!

During the electrical adjustment of the backrest [1], the armrests optionally lower/tilt automatically as well [1].

Raising the armrests

As an option, the armrests can be swivelled up if required [2].

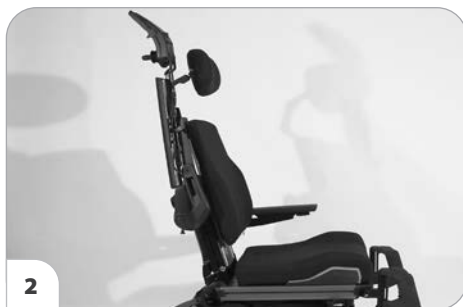
Pull out the button (5) for locking the armrest and swivel the armrest upwards as far as it will go.

- ➔ Support the armrest lightly with one hand. – This makes the button for locking the armrest easier to move.
- ➔ The button (5) for locking the armrest must be visibly engaged again [3].

Lowering the armrests

Pull out the optional button (5) for locking the armrest and lower the armrest as far as it will go [4].

- ➔ Support the armrest lightly with one hand. – This makes the button for locking the armrest easier to move.
- ➔ The button (5) for locking the armrest must be visibly engaged.



Flip-up armrest with stabiliser

Risk of accident with armrests swivelled to the rear [1]!

Risk of accident due to the armrest unintentionally swinging down forwards!

During the electric adjustment of the backrest, the armrests are automatically lowered/tilted as well.

Raising the armrest

Swivel the armrest upwards past the dead centre [1].

To raise the armrest, first press the locking lever (2) downwards and then swivel the armrest upwards, past the dead centre, to the rear [1].

Lowering the armrest

When lowering the armrest, place the stabiliser onto the pin with your free hand and then press the locking lever (2) upwards.



BACKREST

Any change to the seat inclination will lead to different safe backrest adjustments!

Only adjust the backrest when the electric wheelchair is standing on a level surface. A danger of tipping over exists on gradients!

Tilt switch (optional)

Optionally your electric wheelchair can be equipped with a tilt switch that limits the backrest angle in combination with the seat inclination.

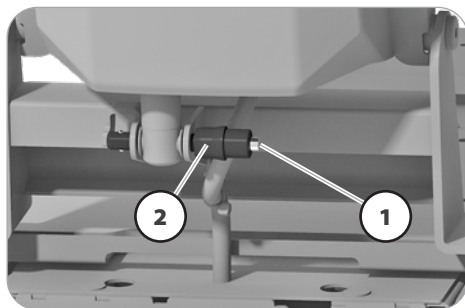
- ➔ If the safe tilt angle is exceeded, even while driving, the speed is reduced, depending on the equipment and the tilt angle, or the electric wheelchair is braked to a standstill. In order to negate the limitation, reduce the angle of the backrest/seat inclination.



Backrest with central mounting

The angle of the backrest (1) can be adjusted via the operating module.

- ➔ For adjustment, see chapter < *Mode menu* > in the operating manual < *Operating module* >.



Reattaching the backrest pad

The backrest pad is pushed over the backrest shell from above [2].

Folding the backrest down

To fold down the electrically adjustable backrest (without optional biomechanics), first press the release pin of the locking pin (1), then remove the locking pin (2).

- ➔ At the same time, hold the backrest in position with one hand.

Then fold the backrest forwards.

- ➔ Reinsert the pin (2) in order to prevent loss.



Raising the backrest

After raising the backrest (without optional biomechanics) [3], press the release pin (1), remove the locking pin (2), lift the motor and hook it into place. Then press the release pin (1) and reinsert the locking pin (2).

- ➔ Check the locking device after raising the backrest up and reinserting the pin.
- ➔ Keep the pin clean at all times for flawless function.

Backrest with side mounting

If the backrest sags excessively, the user's back may come into contact with the backrest tubes. – Danger of injury.

Removing the backrest pad

1. For removal, first pull off the rear part of the backrest pad (1) and fold it over to the front [2].
2. Pull the backrest flap (3) off and guide it to the front.
3. Pull the backrest pad from the adjustable back (4) [5].

Reattaching the backrest pad

1. For reattaching, place the backrest pad (1), flush with the upper edge of the back tubes, centred to the adjustable back (4) and fasten with the velcro strap [2].
2. Guide the backrest flap towards the back, fold it over toward the top and attach with the velcro strap (3).
3. Finally fold the rear part of the backrest pad (1) toward the back and fasten with the velcro strap [6].

➔ For a soft upper edge you should leave a little space between the upper spanning belt and the folded backrest upholstery (1).

➔ The pressure of the back must be spread evenly throughout the back cover.

➔ A complete hand should fit in between the cushion and back of the user at the upper edge of the backrest pad.



Electrically adjustable backrest

The angle of the backrest [1] can be adjusted through the control module.

- ➔ For adjustment, see chapter < *Mode menu* > in the operating manual < *Operating module* >.

Folding the backrest down

To fold down the electrically adjustable backrest, first fold open the safety bracket (2), then remove the pin (3).

- ➔ At the same time, hold the backrest and the motor in position with one hand on the push handle.

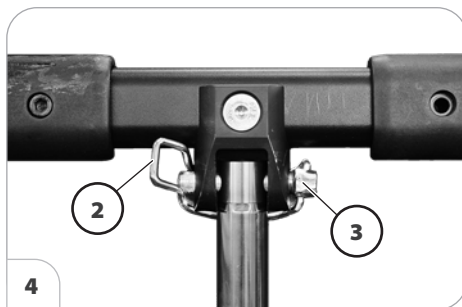
Then place the motor on the lower support and fold the backrest forwards.

- ➔ Remove the backrest pad to achieve less folding height.
- ➔ Reinsert the pin (3) in order to prevent loss.

Raising the backrest

After raising the backrest [1] remove the pin (3), lift the motor and hang it into place. Then reinsert the pin (3) and fold the safety bracket closed [4].

- ➔ Check the locking device after raising the backrest up and reinserting the pin.
- ➔ Keep the pin clean at all times for flawless function.



Mechanically adjustable backrest

Beware of trapping between the moving parts of the backrest.

Adjusting the backrest angle

- ➔ For better illustration of the wire cable (1), the backrest is shown without the pad element.

Unlock the backrest by pulling or pressing the centre of the wire cable (1).

Release the wire cable in order to lock the backrest in the desired position (3). – Slide the backrest until the locking bolts audibly click into place.

- ➔ The greasing of the locking bolts is recommended for an easier latching of the backrest.
- ➔ Check the secure locking in of the backrest.



Folding the backrest down

The backrest can be folded down for storage or transport.

- ➔ If required remove the seat pad (velcro fastener).

Disengage the backrest by pulling or pressing the wire cable (1) at its centre and fold it onto the seat [2].

Raising the backrest

For this raise the backrest and pull the locking bolts inward by pulling or pressing on the wire cable (1).

Release the wire cable in order to lock the backrest in the desired position (3). – Slide the backrest until the locking bolts audibly click into place.

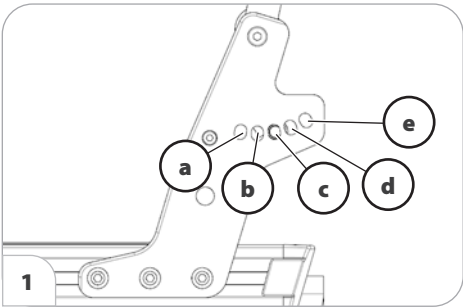
If required, reattach the seat pad.

Secure positions of the backrest

The diverse possible seat adjustments also includes such settings, that may only be used as resting positions, since they might lead to unstable driving conditions in drive mode.

Depending on the adjusted seat inclination, you may only select certain backrest settings [1] when driving on inclines/declines.

- ➔ For your safety, have the seat inclination setting confirmed by your specialist dealer and recorded in the table on the following page!



Model 2.611

SEAT INCLINATION	ADJUSTED SEAT INCLINATION	SAFE POSITION OF THE BACKREST INCLINATION [1]
0°-8°	Manufacturer setting ~4°	c, d
7°-10°		d, e

SEAT

Only drive on declines, inclines and over obstacles when the seat height adjustment and the standing or reclining function are in the basic position.

– Danger of overturning!

➔ See chapter *Downward slopes, inclines or transversely sloping roadways* on page 58.



1

Seat pad

The seat pad [1] is fastened to the seat plate with Velcro straps and can be removed for cleaning or maintenance work.

After cleaning or maintenance work, reattach the seat pad and fasten it [1]. – Velcro fastener.

Seat inclination

Any change to the seat inclination will alter the driving characteristics!

Only adjust the seat angle [2] when the electric wheelchair is standing on a horizontal, level surface. There is a danger of tipping on inclines.

The seat-angle adjustment is optionally linked to an automatic speed reduction function.

An increased danger of tipping over exists with a reclined backrest.

Before driving, make sure that you have not adjusted a negative seat inclination and that the seat inclination ensures a safe sitting position even when driving on inclines/declines.



2

Electrically adjusting the seat angle

The seat inclination [2] is administrated through the control module or a separate adjustment module.

- ➔ See operating manual < *Operating module* >.
- ➔ See also the chapter *Tilt switch (optional)* on page 32.
- ➔ Watch out for possible trapping points!

Seat height adjustment

Only use the seat height adjustment on a flat, level surface.

➔ Increased danger of tipping over as the seat height increases!

Before adjusting the seat height, check whether the adjustment area is free of obstacles.

➔ Danger of injury!

The seat height adjustment [1] can be adjusted via the operating module.

- ➔ This allows the seat height to be raised and lowered continuously.
 - ➔ See operating manual < *Operating module* >.
- ➔ Watch out for possible trapping points!
- ➔ If the seat has been raised from the basic position, the speed is limited.

The speed limitations are automatically removed as soon as the seat returns to the basic position.



HEAD SUPPORT

The headrest is intended to support the head position.

The headrest must not be positioned at neck height.

The upper edge of the headrest should always be adjusted close to the back of the head, at about eye level.

Before use, check the adjustment of the headrest and, if necessary, consult the authorised specialist dealer.

When adjusting the head support watch for possible danger of jamming in the area of the adjustment devices.

The headrest is twist-proof, height-, depth- and angle-adjustable, and removable.

Removing the headrest

To remove the headrest, first fold the locking device (1) downwards (2). Then pull the headrest upwards off the mounting plate (3).

Attaching the headrest

To attach it, slide the headrest onto the mounting plate (3) [4]. Then fold the locking device upwards (1).



Adjusting the headrest for the transport of persons with disabilities in a motor vehicle

The headrest on the electric wheelchair is approved for the transport of persons in a motor vehicle.

A correctly adjusted headrest reduces the risk of cervical whiplash during a rear-end collision.

If a vehicle-mounted head support cannot be used, the following settings must be observed:

- The headrest must be adjusted so that no more than a flat hand fits between the back of the head and the support surface.
- The upper edge of the headrest should, if possible, be adjusted slightly above, or at least level with, the top of the head.

RETAINING STRAP

Make sure that no objects are trapped between belt and the body! – This helps to avoid painful pressure points.

The retrospective assembly of a retaining strap is only to be carried out by a specialist workshop!

The retaining strap is not part of the restraint system for the electric wheelchair and/or occupants during transport in motor vehicles.



The retaining strap [1] is attached to the rail of the seat tubes.

The retaining strap serves to stabilise the sitting position and prevents tilting forward out of the wheelchair, especially during abrupt stopping of the wheelchair.

To fasten the retaining strap, pull both ends forward and audibly let the buckle click into place.

To open the retaining strap, press down the release button and pull the two ends of the strap apart.

- ➔ The retaining straps can be adjusted in length and should not be pulled too tight.

THERAPY TABLE

Sharp-edged objects (e.g. watches, rings, knives or belt buckles), as well as coarse-grained dust, can leave unsightly grooves and scratches on the surface of the table top.

Do not place hot objects on the table top.

Do not drive with the therapy table if there are loose objects or containers filled with liquid on it.

Do not use aggressive or abrasive cleaning agents to clean the table top.

Do not drive or push the electric wheelchair when the therapy table is swivelled to the side.

The therapy table must be removed for transport in motor vehicles.

The therapy table must be removed when transporting persons in motor vehicles.

Do not throw or drop the removed therapy table; handle it properly. This is the only way to ensure lasting functionality.

Do not support yourself on the swivelled-away therapy table when getting out of or into the electric wheelchair.

An accompanying person must not lean on the front edge of the therapy table.

Do not place any load on the front area of a therapy table adjusted far forwards.

The maximum load on the therapy table must not exceed 5 kg.

The therapy table [1] is used for placing various work materials as well as for therapy purposes.



Swivelling the therapy table

The electric wheelchair must be switched off before every action! – Unintentional movement of the electric wheelchair due to accidental operation of the joystick.

The illustration shows swivelling to the left side of the electric wheelchair.

When swivelling, watch out for possible trapping points on moving parts and between the table top and the electric wheelchair frame.

To get into or out of the electric wheelchair, the therapy table can be swivelled away to the side of the electric wheelchair opposite the operating module.

1. To do so, lift the therapy table out of the locking device (4), push it slightly forwards and carefully swivel it to the side.
 - ➔ Risk of trapping between the moving parts of the therapy table and the armrest.
 - ➔ If necessary, the therapy table must be pushed slightly forwards before swivelling.
 - ➔ To do so, loosen the clamping screw (2) and push the therapy table forwards. – Ensure that the retaining bar (3) is still in the holder while doing so.

- ➔ Observe the marking for the maximum extension.
 - ➔ When pushing forwards, ensure that the extension marking on the retaining bar is not visible.
2. Retighten any loosened clamping screw (2).

To swivel it back, carry out the steps in reverse order accordingly.

- ➔ Ensure that, after swivelling back, the table top rests on both armrest pads and is engaged in the locking pin (4).

Removing the therapy table

The electric wheelchair must be switched off before every action! – Unintentional movement of the electric wheelchair due to accidental operation of the joystick.

1. To remove the therapy table, loosen the clamping screw (2).
2. Lift the therapy table out of the locking device (4) and pull it forwards out of the holder.
 - ➔ Ensure that the therapy table does not collide with the operating module when being pulled out.
 - ➔ Hold the therapy table and the retaining bar firmly with both hands. – Risk of injury due to the retaining bar folding down.
3. Retighten the loosened clamping screw (2). – This prevents the clamping screw from being lost.



Inserting the therapy table

The illustration shows insertion on the left side of the electric wheelchair.

1. To insert the therapy table, insert the retaining bar (3) into the holder below the armrest.
2. Unscrew the clamping screw (2) until the retaining bar can be pushed in further.
3. Position the therapy table to the required depth and tighten the clamping screw (2).
 - ➔ When positioning, ensure that the extension marking on the retaining bar is not visible.

LIGHTING

For outdoor use and travel on public roads, the electric wheelchair is equipped with an LED lighting system (1).

The lighting is operated by the driver via the operating module.

- ➔ See operating manual < Operating module >.
- ➔ Always switch on the lighting system in poor visibility conditions and especially during darkness in order to see better and be better seen by others.
- ➔ Ensure that headlights, turn signals and tail lights as well as reflectors are not covered by clothes or other objects attached to the electric wheelchair.



SAFETY PLUG

After removing the safety plug, store it safely, for example, to deter theft or for transport in aircraft.

Disconnect the electrical power supply

Pull the safety plug downwards to switch off all electrical functions [3].



Restore the electrical power supply

Insert the safety plug from below as far as it will go to restore all electrical functions [4].



USB CONNECTION SOCKET

The maximum power consumption must not exceed 1 A per connection!

- ➔ The USB connection socket requires a constant power supply. This may make more frequent recharging of the batteries necessary.

The USB connection socket is intended for connecting devices with a USB type A plug.

To connect devices, first remove the splash guard [1], then insert the USB plug.

When the USB connection socket is not in use, it must be closed with the splash protection cap [2].



WALKING AID HOLDER

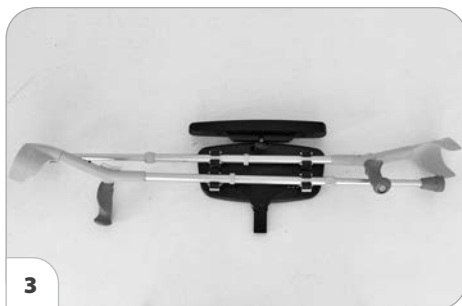
Depending on the adjusted walking aid length, the walking aids may protrude beyond the contour of the electric wheelchair!

- ➔ Particular caution is required when driving.

The walking aid holder is intended for the safe carrying of two walking aids [3].

To carry the walking aids, press each one into two clips on the walking aid holder.

- ➔ Check that the walking aids are securely clamped.



LOADING AND TRANSPORTATION

Do not use the backrest, leg supports, armrests or trim panels to lift the electric wheelchair!

The electric wheelchair must be switched off before lifting!

The parts detached for loading must be carefully stowed and carefully attached again before the next journey.

No special carrying points are allocated for carrying detachable components.

If the electric wheelchair is transported to a specialist dealer with an error indication, the safety plug must be removed beforehand.

➔ See chapter *Safety plug* on page 45.

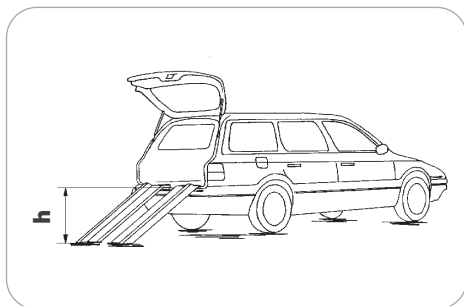
The following procedures may be necessary due to lack of space for the transport in vehicles:

- Remove the leg supports.
- Remove the armrests.
- Remove or fold over the backrest.
- Remove the operating module

Loading

The weight of the electric wheelchair is reduced when you remove detachable components.

The electric wheelchair can be loaded with the aid of ramps or lifting platforms.



Ramps and lifting platforms

Observe the operating manual for the ramp or lifting platform.

Observe the manufacturer's information for the ramp or lifting platform.

The maximum bearing height specified for the ramp must be greater than the height „h“ from the ground to the loading surface, e.g. of the car.

The load capacity of the ramp or lifting platform must be higher than the overall permitted weight of the electric wheelchair.

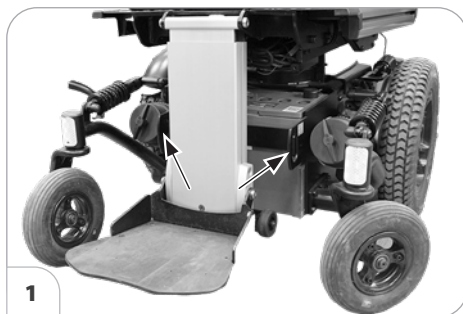
There is a risk of tipping over when reversing on ramps!

Transport of people inside a motor vehicle

To determine if your electric wheelchair is approved as a seat for person transport inside a motor vehicle, please look at the type plate of your electric wheelchair.

- ➔ See chapter *Meaning of the symbols on the rating plate* on page 69.
- ➔ Electric wheelchairs that are not suited for use as a seat for transport in a motor vehicle are marked with an additional label. – See chapter *Meaning of electric wheelchair labels* on page 67.
- ➔ Observe the guideline < *Safety with Meyra-wheelchairs, also during transport in motor vehicles* >! – This document and further information can be found on our website < www.meyra.com > in the < *Download archive* >.
- ➔ Approved occupant restraint systems can be found in chapter *Applicable standards* on page 62.

Instructions for assembly and operation can be found in the assembly and operating instructions specific to the anchoring system. This document is enclosed with every anchoring system. The specific document for the anchoring system can also be viewed in the product specific category < *Operating manuals* > on our website < www.meyra.com >.



Transport security

All regulations and directions of the respective transport company are to be observed. – Ask for these before the transport.

The electric wheelchair must only be secured via the anchorage points [1]+[2].

- ➔ See also chapter *Meaning of electric wheelchair labels* on page 67.
- ➔ The procedure for securing the electric wheelchair is described in the document < *Safety and general handling instructions for electric vehicles* >, chapter < *Transport in motor vehicles or by means of transport equipment* >. – This document and further information are available in the < *Information centre* > on our website < www.meyra.com >.

MAINTENANCE

An incorrect or neglected cleaning and maintenance of the electric wheelchair results in a limitation of the product liability.

The following maintenance Instruction gives you a guide for carrying out the maintenance work.

- ➔ This maintenance schedule does not give information about the actual extent of work required on the electric wheelchair.

Maintenance schedule

WHEN	WHAT	REMARK
Before starting out	General Test for faultless operation.	Carry out test yourself or with a helper.
	Checking the magnetic brake Move the selection lever for the drive/push mode into the drive mode position on both sides.	Carry out test yourself or with a helper. If the electric wheelchair can be pushed, have the brakes repaired immediately by the specialist workshop. – Danger of accidents!
	Check retaining strap Check that the fastening screws and locking system are secure and functioning properly.	Carry out test yourself or with a helper. Contact a specialist workshop if necessary.
	Lighting Check the lighting equipment and reflectors for flawless functioning.	Carry out test yourself or with a helper.

WHEN	WHAT	REMARK
Every 2 weeks (depending on distance covered)	Check tyre pressure. Tyre pressure: <i>See Tyre pressure (pneumatic tyres) on page 61.</i>	Carry out test yourself or with a helper. Use a tyre pressure gauge for this.
	Adjustment screws Screws and nuts are to be checked for tight fit.	Carry out test yourself or with a helper. Retighten the loosened adjustment screws. Contact specialist workshop upon demand.
Every 6-8 months (depending on distance covered)	Wheel attachments Check that wheel nuts or screws are securely tightened.	Do it yourself or with the aid of a helper. Securely tighten any loosened wheel nuts or screws and retighten again after 10 operating hours or resp. 50 km. Contact specialist workshop upon demand.
Every 2 months (depending on distance covered)	Check tyre profile Minimum tread = 1 mm	Carry out a visual check yourself or with a helper. If the tyre profile is worn down or if the tyre is damaged, consult a specialist workshop for repairs.
Every 6 months (depending on frequency of use)	Check Cleanness. General condition.	View chapter <i>Cleaning</i> on page 54. Do it yourself or with the aid of a helper.
Manufacturer recommendation: Every 12 months (depending on frequency of use)	Maintenance jobs Electric wheelchair Battery charger	To be carried out by the specialist dealer.

Replacing the fuses

Only replace the safety fuse with one of the same type!

Before replacing fuses, park the electric wheelchair on a level surface and secure it from rolling away.

- ➔ See chapter *Securing the electric wheelchair* on page 13.

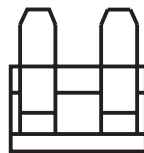
New fuses can be obtained for example at petrol stations.

- ➔ If the safety fuse blows again, take the battery to a specialist dealer for repair.

Mains-/battery fuse [1]

The blade fuse for the mains/battery current is located in the fuse holder under the seat, on the batteries (2).

- ➔ See chapter *Further technical data for model TA iQ MYSeat version MWD* on page 64!



Lighting

Have a defective lamp repaired immediately.

The lighting (1)+(2) is equipped with long-life LED-technology.

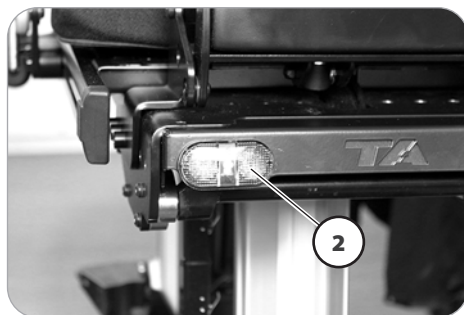
- ➔ Immediately have a defective LED-lamp repaired by a specialist workshop.



Adjusting the headlights

The housing of the light (1) must be adjusted so that the light cone is visible on the driving surface. – Set the lower edge of the light cone to about 3 metres in front of the electric wheelchair.

- ➔ The lighting case might need to be readjusted after adjustment of the seat inclination.
- ➔ If needed go to a specialist workshop for adjustment.



Fault correction

FAULT	CAUSE	REMEDY
Battery indicator on the operating module does not light up after the switch-on.	Battery fuse is defective or not correctly inserted.	Replace defective fuse or clean contacts and insert correctly.
	Plug connection of the power supply without contact.	Check the plug connections.
The battery gauge blinks after the switch-on.	One or both of the drive motors are switched to push mode.	Switch the selection lever for the drive/push mode into the drive mode position on both sides.
	Plug connection at one of the drives without contact.	Check the plug connections.
	Malfunction in the electronics.	Have it repaired by the specialist workshop. (Push mode) Selection lever in driving mode position.
	Not listed faults.	See < Error diagnostics > in the operating manual for the operating module.
Lighting not active.	LED-lamp defective.	Let it be repaired or replaced by a specialist workshop.
	Lighting fuse or drive electronics defective.	Let it be repaired or replaced by a specialist workshop.

CLEANING

The plastic panelling is attacked through non-ionic tensides as well as solvents and especially alcohol.

Do not clean the electric wheelchair with a high-pressure cleaner! – Danger of short circuit!

The pads and covers are normally fit with care instructions (instruction for care).

- ➔ See chapter *Meaning of the symbols on the care instructions* on page 68.

In all other cases the following information is true:

- ➔ Clean the pad with warm water and hand washing liquid.
- ➔ Remove spots with a sponge or a soft brush.
- ➔ Wash off persistent dirt with commercial fine detergent.
- ➔ Do not soak! Do not machine wash!

Follow-up with clean water and allow to dry.

The chassis and wheels can be cleaned damp with a mild detergent. Afterwards dry off well.

- ➔ Check the chassis for corrosion damages as well as other damages.
- ➔ Only clean the plastic parts with warm water and neutral detergent or soft soap.
- ➔ When using commercial plastic cleansers the manufacturers application instructions are to be observed.

Keep the lighting components clean at all

times and check for correct functioning before each journey.

- ➔ Keep water and moisture away from electrical components and cabling!
 - Danger of damage to the electric and the operating keyboard through water jets.

Silicone free water based cleaning agents and care products should be used for the care of the vehicle.

- ➔ In doing so the manufacturers instructions are to be observed.

Do not use aggressive cleaning agents e.g. solvents, or hard brushes etc.

Further information to cleaning can be found in the < *Information centre* > on our website:

< www.meyra.com >.

Finish

The high quality finish ensures an optimum of protection against corrosion.

- ➔ Should the coating be damaged with scratches or similar, these areas can be touched up with our paint pen available at the specialist dealer.

Slight lubrication of moving parts will ensure for their long functioning.

Disinfection

If the product is used by more than one person (for example in a care centre), the use of a commercial disinfectant is mandatory.

- ➔ Before disinfection, the pad and handles must be cleaned.
- ➔ A spray- or wiping disinfection is permitted with tested and accredited disinfectants.

You can get information on tested and permitted disinfectants and procedures at your national facility for health protection.

- ➔ During the use of disinfectants it can happen that surfaces might be affected in such a fashion that the long term functionality of parts can be limited.
- ➔ In doing so the manufacturers instructions are to be observed.

REPAIRS

Repairs are generally to be carried out by a specialist dealer.

Repairs

Trustingly contact your specialist dealer for maintenance work. He has been introduced to the maintenance.

Customer Service

In case you have any questions or need help please contact your specialist dealer who can assume counselling, customer service and repairs.

Spare parts

Spare parts can only be ordered from specialist dealers. In case of repair work, only original spare parts are to be used!

- ➔ Spare parts from other manufacturers can cause malfunctions.

The spare parts list with the respective part numbers and drawings is available at the specialist dealer.

In order to ensure the correct delivery of a spare part, always quote the corresponding serial number (SN) of the electric wheelchair! You will find this on the type plate.

Whenever a repair to the electric wheelchair is carried out by the specialist dealer, supplementary information, e.g. assembly/operating instructions of the operating manual of the electric wheelchair, must be attached; the date of the repair must also be recorded and stated when ordering spare parts.

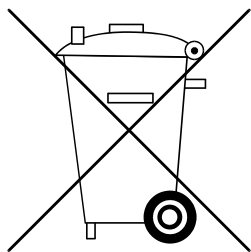
This should prevent wrong order details on future spare parts orders.

Information for extended pauses of use

In case of longer periods without use, the following measures are required:

- ➔ Charge the batteries at least once a month for a period of more than 16 hours.
- ➔ The storage temperature is to be observed.
- ➔ See chapter *Technical data* on page 61.

DISPOSAL



The disposal must comply with the respective national law.

Please contact your local council for information about authorised disposal services.

TYRES

Tyres are made of a rubber mixture and can leave permanent or difficult-to-remove marks on some surfaces (e.g. plastic, wooden or parquet flooring, carpets, mats). We cannot accept liability for damages on surfaces caused by wear or chemical processes of the tyres.

INFORMATION FOR THE SPECIALIST DEALER

On our website < www.meyra.com > in the service area < Download > a maintenance and service manual is available for this electric wheelchair, containing, for example, the following information:

1. Adjustments that can be carried out using tools.
2. Descriptions of procedures for important repairs.
3. Information on model-specific changes.
4. A checklist for the annual inspection.

The checklist lists the functional tests required for the inspection.

They serve as a guide for carrying out the inspection work.

- ➔ They do not indicate the actual amount of work found to be necessary on the electric wheelchair.

After successful completion of an annual inspection, the inspection record in the operating manual must be completed.

A template for additional inspection records can be copied from the maintenance and service manual if required. This must then be enclosed with the operating manual.

Programming of the driving behaviour

The driving behaviour of the electric wheelchair can be adjusted using a programming device.

- ➔ See the corresponding < Maintenance and service manual >.

The driving behaviour of the electric wheelchair should be regularly adapted to the individual requirements and learning progress of the respective user.

- ➔ The programming should be specifically tailored to the user. The user's responsiveness, constitution, and physical and mental abilities must be taken into account. Consultation with the doctor or therapist can be very helpful in this regard.
- ➔ Any change to the factory-set programming can present an increased risk of accidents.
- ➔ Possible danger of tipping in bends.

BASIC SAFETY INFORMATION

This safety information is an extract from the *safety and general handling instructions* available on our website: < www.meyra.com >.

Do not insert fingers into open frame tubes (for example after removing the armrests, leg supports or support castors). – Danger of injury!

A stable sitting position must be maintained while using the electric wheelchair, even when not in motion and especially on hills and slopes. – Danger of accidents!

For a safe sitting position, the user's back must rest against the backrest pad and the user's pelvis must sit at the rear of the seat.

Transferring out of the electric wheelchair on inclines/declines is only permitted in emergencies and with the help of an accompanying person and/or helper! – Danger of accidents!

Adjust the seat inclination only when the electric wheelchair is standing on a horizontal, level surface. A danger of tipping over exists on gradients!

Increased danger of tipping over when using the angle adjustable backrest.

Before starting to drive make sure that no negative seat inclination has been adjusted, respectively that a safe seating position is ensured.

You should not smoke while using the electric wheelchair.

In direct sunlight, seat covers/upholstery, armrest pads, leg supports and handgrips can heat up to temperatures above 41 °C. – Contact with exposed skin can result in injury! Prevent such heating by parking the electric wheelchair in a shaded area.

The push handles are special attachment points for objects to be carried along. – The maximum permitted additional load on the push handles is 5 kg.

Only transfer into or out of the seat when the electric wheelchair is switched off and the drive/push-mode selector lever is swivelled into drive mode!

Inadvertently knocking the joystick will set the electric wheelchair in motion without control! – Danger of accidents!

When driving on rippled surfaces, uncomfortable vibrations can occur in the electric wheelchair. – Drive very carefully on these segments.

Accompanying person

The accompanying person must be made aware of all possible danger situation before the start of his/her supportive involvement. The parts of your electric wheelchair that are held onto by the accompanying person are to be checked for tight fit.

Transfer out of the electric wheelchair

Do not support yourself on the operating module when getting in or out.

Drive with the electric wheelchair as closely as possible to the spot where you want to switch out of the electric wheelchair.

- ➔ See also chapters *Securing the electric wheelchair* on page 13, *Footplates and footboard* on page 27 and *Removing the armrest* on page 29.
- ➔ We recommend to conduct the transfer from the electric wheelchair together with an aid.

Reaching for objects

Avoid an extreme forward or backward inclination of the upper body when picking up or placing heavy objects. – Danger of electric wheelchair tipping over, especially in the case of narrow seat widths and high seat heights (seat cushion)!

Downward slopes, inclines or transversely sloping roadways

Only drive on slopes, inclines and obstacles in the basic position of the seat rising function, back inclination and seat angle. – Danger of overturning!

Basic position is to be understood as:

- Seat height adjustment in the lowest position.
- Back inclination in upright position.
- Seat inclination in horizontal position (but max 10°).

For safety reasons, the maximum permitted gradient is limited because the tip-over stability and the braking and steering behaviour are impaired by a reduced floor/road.

- ➔ See chapter *Technical data* on page 61.

Never lean towards the downhill direction when driving on rising, falling or transverse gradients.

Avoid jerky changes of the driving condition (especially with critically adjusted driving parameters as for example high delay values).

Always drive with a low speed on rising/falling gradients.

Extreme inclinations or slopes are to be driven on with adequate final speed.

Never switch to push mode on gradients. The automatic brakes are inoperative in the push mode.

Do not push the electric wheelchair on slopes and inclines.

While driving in curves and when turning on inclinations and slopes there is a danger of tilting.

Avoid driving on inclinations or slopes with insufficient surface condition. Even if ice, water, moss or similar is present on only one side of the roadway, there is a danger that the electric wheelchair will lose traction and slide uncontrollably. If required immediately bring the joystick back into the neutral position.

Never drive faster than walking speed.

The braking force transferred to the driving surface is much less on a downward slope than on a level driving surface and is further reduced by poor road conditions (e.g. rain, snow, grit, dirt). A dangerous slipping of the wheels due to excessive braking and an associated unwanted course deviation must be avoided by way of a careful dosed braking.

At the end of the downward slope, take care that the foot plates do not make contact with the ground and endanger you through a sudden braking effect.

Transverse surfaces to the driving direction (e.g. transversely sloped pavements) effect a turning of your electric wheelchair in the downhill direction. You or an accompanying person must compensate for this drift by a counter-steering.

Crossing obstacles

The obstacle crossing capability depends on the driving surface gradients, the adjustment of the leg supports and other factors.

Each crossing of obstacles involves a risk! – tilting danger of the electric wheelchair.

The crossing of obstacles is a special danger situation in which a combination of the safety advice in the sections headed uphill driving, downhill driving and driving transverse to a slope must be observed in addition to other safety advice.

Keep well clear of obstacles like ruts, rails and gully covers or similar sources of danger.

Always approach small obstacles, e.g. kerbs/edges, slowly and at a right angle (90°). Cross the obstacle forwards with about 0.5 m approach and simultaneously with both front or rear wheels. Otherwise your electric wheelchair could tilt diagonally and you could fall out of the electric wheelchair.

Always maintain a safety distance between the wheelchair and drops, stairs and similar obstacles sufficient for reaction, braking and turning.

If possible, let one or more helpers lift you out of the electric wheelchair and carry you to the destination point.

When descending a step (e.g. a kerb), you may easily fall out of the electric wheelchair if the footplates or leg supports make contact with the road surface. The crossing of rails or ruts requires increased attention. – Unwanted course deviation! The safe driving on stairs is impossible with conventional electric wheelchairs.

Electrical system

Incorrect and/or inappropriate changes in driving behaviour can impair the safety of the electric wheelchair and the electric wheelchair user. – Danger of accidents!

The electronic control system of the electric wheelchair must not be modified.

The electrical system could be influenced by external electromagnetic fields (e.g. from power generators or power sources).

The electrical system could interfere with devices in the direct environment due to electromagnetic fields.

If the electric wheelchair reacts unusually or performs uncontrollable manoeuvres, the joystick must be returned to the neutral position immediately and/or the electric wheelchair must be switched off at once.

Transport in public methods of transportation

Your electric wheelchair is not designed for user transport in public transportation vehicles. Limitations may occur. We recommend use of one of the firmly built in seats of the public vehicle.

Should it nevertheless become necessary to carry out the transport while sitting in the electric wheelchair, the following needs to be observed:

- Use the space designated by the public transportation services for parking.
- Observe the regulations of the transport company before parking the electric wheelchair.
- Park your electric wheelchair opposite to the driving direction in the reserved space.
- The electric wheelchair is to be placed so that the backrest it will be supported by the border of the parking space.
- One side of the electric wheelchair must also lie against the border of the parking space, so that the electric wheelchair cannot slide away in case of an accident or sudden braking manoeuvre.
- Additionally activate the parking brakes.

Driving on public highways

Observe the valid regulations for public traffic of your country and if necessary ask your specialist dealer for required accessories.

Your electric wheelchair can optionally be fit with lighting equipment. The lighting equipment consists of:

- Headlights,
- Rear reflectors.

With limited visibility and especially in the dark we recommend to mount active lighting equipment and to turn it on in order to see better and be seen.

- ➔ When participating in public traffic the user is responsible or the functional- and operationally safe condition of the electric wheelchair.
- ➔ The valid traffic regulations must be observed and abided when participating in public traffic.
- ➔ Wear light-coloured and conspicuous clothing when driving in darkness.
- ➔ When driving in the dark avoid using the road or bicycle lanes.
- ➔ Observe that the lighting equipment is not covered by clothes or any other objects attached to the electric wheelchair.
- ➔ In case of physical limitation, such as blindness, a driving ability certifications for independent driving of the electric wheelchair is required.

TECHNICAL DATA

All data given in the < *Technical data* > refers to the standard version.

Dimensional tolerance $\pm 15 \text{ mm}$, $\pm 2^\circ$.

Calculation of the max. user weight

The maximum total load is calculated on the basis of the unloaded weight of the electric wheelchair and the maximum passenger weight.

Additional weight due to subsequent additions or luggage reduce the maximum permissible passenger weight.

Example:

A driver wishes to take luggage with a weight of 5 kg. Thus, the maximum user weight is reduced by 5 kg.

Tyre pressure (pneumatic tyres)

Maximum tyre pressure is printed on the tyres on each side.

Full tyre pressure – steering wheel

Standard:

2.5 - 3.5 bar = 2500 - 3500 hPa = 36 - 50 psi

Full tyre pressure – drive wheel

Standard:

3.0 - 4.0 bar = 3000 - 4000 hPa = 44 - 58 psi

Maximum range

The nominal values indicated by are reasonable in compliance with ISO 7176-4.

The maximum range depends to a large extent on the following factors:

- battery condition,
- weight of the driver,
- driving speed,
- driving style,
- road surface condition,
- driving conditions,
- ambient temperature.

The maximum range is greatly reduced by:

- frequent driving upwards on ramps,
- insufficient charging condition of the drive batteries,
- low ambient temperature (e.g. in winter)
- frequent starts and stops (e. g. in shopping malls),
- aged, sulphated drive batteries,
- frequently necessary steering manoeuvres,
- reduced driving speed (especially at walking speed).

In practical use, the maximum range under 'normal conditions' is then reduced to approx. 80 – 40 % of the nominal value.

Hill climbing ability

Gradients in excess of the permitted values (e.g. ramps) should for safety reasons only be driven when the wheelchair is empty!

Applicable standards

The electric wheelchair complies with the norm:

- EN 12184
- ISO 7176-8
- ISO 7176-19
- ➔ Assessment of the Crash Test, in which the electric wheelchair is attached to the retaining system of the vehicle, has been carried out according to the testing methods of annex D.
- ➔ The crash test has been conducted and accepted with following anchoring systems:
 - 4-point anchoring system acc. to ISO 10542,
 - Dahl Dockingstation MK II,
 - Dahl VarioDock
- ➔ The corresponding product accompanying documents are included with the product.
- ➔ The specific document for the anchoring system can also be viewed in the product specific category < *Operating manuals* > on our website < www.meyra.com >.

The models are allocated to application class B according to the norm EN 12184.

The applied parts and components we use are in compliance to EN 1021-2 for resistance against inflammation.

Data according to ISO 7176-15 for model TA iQ MYSeat version MWD

	min.	max.
Overall length (measured at 0° seat tilt)	1190 mm	1350 mm
Overall width	600 mm	770 mm
Overall height	910 mm	1180 mm
Maximum permissible overall mass		320 kg
User weight (incl. additional load)		140 kg
User weight (incl. additional load) if the product is used as a seat in a motor vehicle (Dahl docking system, crash-tested in accordance with ISO 7176-19)		136 kg
Weight of the heaviest part		3.65 kg
Actual seat depth	400 mm	550 mm
Actual seat width	380 mm	530 mm
Seat surface height at front edge (without cushion) at 0° seat inclination	390 mm	410 mm
Electrically adjustable seat angle	0°	45°
Seat lift		300 mm
Mechanically adjustable backrest angle (Measured between the seat plate and backrest)	80°	120°
Electrically adjustable backrest angle (Measured between the seat plate and backrest)	80°	140°
Backrest height	520 mm	670 mm
Foot support to seat (lower leg length, without cushion)	200 mm	450 mm
Static stability downhill		10° (18%)
Static stability uphill		10° (18%)
Static stability lateral		10° (18%)
Dynamic stability uphill		10° (18%)
Angle of leg support to seat surface:	85°	180°
Armrest height from seat surface (without cushion)	220 mm	380 mm
Backrest to front edge of armrest	370 mm	520 mm
Obstacle height		80 mm

	min.	max.
Minimal turning radius (measured at 0° seat angle)	700 mm	
Maximum forward speed (depending on equipment)	6 km/h	15 km/h
Minimum braking distance at maximum speed		
at 6 km/h		1000 mm
at 10 km/h		2100 mm
at 12 km/h		2900 mm
at 15 km/h		4500 mm
Range at 6 / 10 / 12 km/h (depending on battery capacity)		40 / 35 / 35 km
Range at 15 km/h (depending on battery capacity)		30 km
Axle horizontal position	– mm	– mm

Further technical data for model TA iQ MYSeat version MWD

	min.	max.
Sound level		70 dB(A)
Protection class		IP X4
Minimum turning area	1150 mm	
Drive controller output		24 V / 120 A max.
Engine output		
at 6 / 10 / 12 km/h		2x 350 W
at 15 km/h		2x 600 W
Main fuse		
for 350 W drives		80 A
for 600 W drives		100 A
Lighting (option)		LED-technology 24 V
Additional load		5 kg
Front axle load (max. permissible)		120 kg
Rear axle load (max. permissible)		240 kg
Ground clearance with 12.5" drive wheel		60 mm
Ground clearance with 14" drive wheel		70 mm
Empty weight (with drive batteries)	160 kg	162 kg
Empty weight (without drive batteries)		110 kg

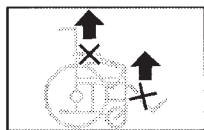
	min.	max.
Transport dimensions		
Length (footplate folded up)	920 mm	
Width (without armrests)		
for code 38/43, seat width 380 mm / seat width 430 mm		600 mm
with 12.5" drive wheel		
for code 38/43, seat width 380 mm / seat width 430 mm		630 mm
with 14" drive wheel		630 mm
for code 48, seat width 480 mm		680 mm
for code 53, seat width 530 mm		
Width (with swivel armrests on the round-tube backrest)		600 mm
for seat width 380 mm with 12.5" drive wheel		630 mm
for seat width 380 mm with 14" drive wheel	600 mm	660 mm
for seat width 430 mm with 12.5" drive wheel	630 mm	660 mm
for seat width 430 mm with 14" drive wheel	650 mm	710 mm
for seat width 480 mm	700 mm	760 mm
for seat width 530 mm		
Height, with standard pad (backrest folded onto the seat, seat cushion removed from the seat pan and placed on the backrest)	550 mm	650 mm
Climatic data		
Ambient temperature	-25 °C to +50 °C	
Storage temperature with drive batteries	-25 °C to +50 °C	
Steering wheel		
ø 192 x 46 mm (8")	Pneumatic, max. 2.5 bar (36 psi)	
ø 192 x 46 mm (8")	puncture-proof	
ø 200 x 60 mm (8.5")	Pneumatic, max. 2.8 bar (41 psi)	

	min.	max.
Driving wheel		
ø 326 x 60 mm (12.5" x 2.5")	Pneumatic, max. 3.5 bar (50 psi)	
ø 326 x 60 mm (12.5" x 2.5")		puncture-proof
ø 356 x 75 mm (14" x 3.5")	Pneumatic, max. 3.5 bar (50 psi)	
ø 346 x 65 mm (14" x 3.5")		puncture-proof
ø 370 x 123 mm (14" x 5")	Pneumatic, max. 2.5 bar (36 psi)	
Drive batteries		
80 Ah (20 h)	sealed, maintenance free	
100Ah (20h) AGM (for 15 km/h)	sealed, maintenance free	
Max. battery dimensions (LxWxH)	261 x 170 x 211 mm	
Charging current		12 A

Meaning of electric wheelchair labels



Read the operating manuals and other provided documentation.



Do not lift the electric wheelchair at the armrests or leg supports.
Removable parts are not suitable for carrying.



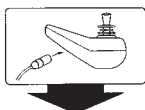
Drive mode



Push mode



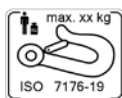
Push only on level surfaces.



Indication for charging socket.



The product is approved as a seat within a motor vehicle.



Anchor point for handicapped transport and for transport safety.



The product is not approved for use as a seat within a motor vehicle.



Indication for danger of jamming. – Do not reach in here.



Indication for danger of jamming.
The upper part is attached flexibly or swivelling and thus forms a jamming area in the lower section.
– Do not grab into the jamming area.



Attention!

Do not conduct maintenance jobs.

Gas pressure container of the pneumatic spring is under pressure.

– Increased danger of accident!



Operation in moving transport vehicles. – Switch off or switch to driving program with ESP-Sensor deactivated.



When the safety plug is removed, the battery circuit is disconnected.



In this position of the fuse switch, the battery circuit is disconnected.

Meaning of the symbols on the care instructions

(the symbols correspond to European standard)



Wash as delicates with the indicated maximum temperature in °C.



Wash as regular laundry with the indicated maximum temperature in °C.



Hand wash only



Do not bleach.



Not suited for the dryer.



Do not iron.



Do not dry-clean.

Meaning of the symbols on the rating plate



Manufacturer



Order number



Serial number



Production date



Permitted user weight



max. permissible total weight



Permitted axle weights



Max. permissible rising gradient



Max. permissible falling gradient

max. ... km/h

Permitted maximum speed



The product is approved as a seat within a motor vehicle.



Max. permitted user weight if the product is approved as a seat within a motor vehicle.



The product is **not** approved for use as a seat within a motor vehicle.



Medical device



Unique identification of the medical device

INSPECTION RECORD

Electric wheelchair data:

Model:

Delivery note no.:

Serial-no.(SN):

Recommended safety inspection 1st year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 2nd year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 3rd year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 4th year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

Recommended safety inspection 5th year (at least every 12 months)

Stamp of specialist dealer:

Signature: _____

Place, date: _____

Next safety inspection in 12 months

Date: _____

WARRANTY / GUARANTEE

Failure to observe the instructions in the operating manual, improperly carried out maintenance work and, especially, technical changes and additions (add-ons) carried out without our prior consent will lead to a general loss of guarantee and product liability.

National warranty- / guarantee conditions between you and your specialist dealer can vary from the conditions mentioned in this chapter.

We accept legal liability for this product within the scope of our general terms and conditions and warranty and in certain cases other verbal resp. agreed upon guarantees. For warranty and guarantee demands please contact your specialist dealer with following Warranty/Guarantee section and the there included information on model description, delivery note number with delivery date and serial number (SN).

The serial number (SN) can be read off of the type plate.

Precondition for the acceptance of liability in any case is the intended use of the product, the use of original spare parts by authorised dealers as well as maintenance and inspections in regular intervals.

Guaranty is not granted for surface damages, tyres of the wheels, damages due to loosened screws or nuts as well as worn out attachment holes due to frequent assembly work.

Furthermore, damage to the drive and electronics caused by improper cleaning using steam cleaning equipment or the deliberate or accidental flooding of the components are also excluded.

Interferences through radiation sources such as mobile phones with high transmission power, HiFi-equipment and other extreme interference radiators outside of norm specifications cannot be declared as warranty or guarantee claims.

This operating manual as a part of the product is to be handed out in case of a change of owner.

For evaluation of our products you can use our < *Information centre* > sector < *PMS* > on our website < www.meyra.com >.

We reserve the right to make technical improvements.



This product fulfils the requirements of the directive (EC) 2017/745 for medical devices.

Warranty / Guarantee section

Please fill out! Copy if necessary and send the copy to the specialist dealer.

Warranty / Guarantee

Model designation:

Delivery note no.:

SN (view type plate):

Date of delivery:

Stamp of the specialist dealer:

Inspection record for transfer

Electric wheelchair data:

Serial-no.(SN):

Model:

Delivery note no.:

Stamp of specialist dealer:

Signature:

Place, date:

Next safety inspection in 12 months

Date:

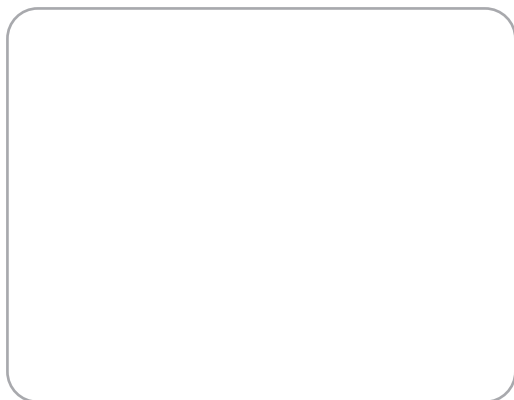
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Your specialist dealer



Original
Operating Manual

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2026-05 We reserve the right to make technical modifications to our products. Printing errors in our printed materials excepted.

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