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User Manual

TRITON DUAL 150

Height adjustable shower and toilet chair with seat tilt

Important Information

The user manual must be read before using the product.

The user manual is intended for care staff as well as technicians involved in the service and maintenance of the product.

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1 PURPOSE AND SAFETY

TRITON DUAL 150 is an electrically powered shower and toilet chair with an adjustable seat height and angle. The chair has a lifting capacity of 150 kg and can be used in home care, nursing homes, institutions, and hospitals.

1.1 Purpose

The TRITON DUAL 150 is designed to assist users and caregivers with daily personal hygiene activities. With adjustable seat height and angle, the TRITON DUAL 150 ensures both user comfort and an ergonomic working position for caregivers.

The chair can be used for:

- Toilet visits, either in the bathroom or other suitable locations using a commode.
- Showering or personal hygiene, depending on available facilities.

After thorough cleaning, the TRITON DUAL 150 can be used by multiple users (see 4.1).

The TRITON DUAL 150 is intended for short transfers, such as between a room and the bathroom.

NOTE: The TRITON DUAL 150 should not be used for any purpose other than its original intention.

1.2 Safety Instructions



Important Warning!

This user manual must be read carefully before using the product.

- The maximum weight capacity of 150 kg must **NEVER** be exceeded.
- Do **NOT** use the chair if there are any suspicions of defects (unusual noises, loose fittings, etc.). In such cases, the chair should be taken out of service and a service technician, dealer, or WinnCare Nordic should be contacted.
- Do **NOT** leave the user alone in the chair.
- Never lift higher than necessary.
- Ensure the armrests are always lowered when in use. Pay extra attention to the user if this isn't possible.
- The footrests must **ALWAYS** be folded up before the user sits down or stands up.
- During use, especially when encountering obstacles like narrow spaces or door thresholds, ensure the user remains calm and keeps their arms within the armrests to avoid injury.
- The caregiver should always use the steering handles when moving the chair. Do not use your feet to push the base frame when turning, accelerating, or performing similar actions.
- Smoking cigarettes or similar items and using open flames such as matches is not permitted when using the TRITON DUAL 150.
- Static electricity may build up under certain conditions (e.g., when used on plastic floors or in very dry air). These conditions should be avoided but are not dangerous to the user.

- ALWAYS lock the wheels if there's a risk of unwanted movement, such as on a ramp or inclined surface. For safety reasons, it's also recommended to lock the wheels when transferring the user to and from the chair.
- When using other equipment with the chair, ensure dangerous situations don't arise. Be careful with cables, straps, hoses, etc.
- Ensure the chair is correctly adjusted for the user to prevent injury to either the caregiver or the user during use. Inspect the chair before use - See chapter 1.3.
- Surfaces that come into contact with skin can become hot or cold when exposed to external sources, such as sunlight or low temperatures. Always check the surface before use.
- In accordance with EMC. Electrical interference from portable RF communication equipment, including antennas, can affect medical electrical equipment and should not be used within at least 30 cm of the TRITON DUAL 150.

NOTE: It is the care provider's responsibility to ensure the chair is used correctly and safety protocols are followed.

1.3 Before use

Before use, it is the responsibility of the care provider or user to perform the following checks:

1. The care provider has been instructed on how to use the chair or has read the user manual.
2. Check that no parts are missing and the product is correctly assembled.
3. Ensure that the accessories are properly fitted and suitable for the user.
4. Verify that the chair does not produce abnormal sounds, show signs of wear, or have other defects.
5. If the battery alarm is activated, charge the chair first.
6. Check that the recommended annual service has been performed.

If in doubt about the use of the chair, contact Winncare Nordic for advice and guidance.

1.4 Terminology



1.5 Unpacking

Ensure all parts are present and undamaged. If there is suspicion of damage or missing parts, contact Winncare Nordic.



Important! Before using the chair, charge the battery for 12 hours.

The contents of the box:

1. TRITON DUAL 150
2. User Manual

1.6 Transport

The TRITON DUAL 150 is most safely transported using its original packaging, which contains handling information.

If the product needs to be returned, the original packaging should be used. In the absence of the original packaging, ensure the product is otherwise securely and safely protected during transport.

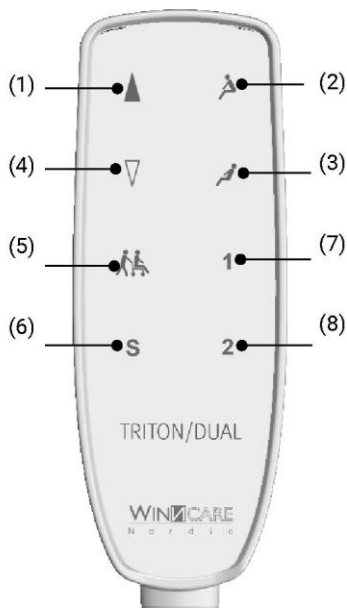
Symbols are printed on the packaging to guide transport companies.

2 INSTALLATION AND OPERATION

NOTE: Before use, the battery must be charged (see 2.2).

2.1 Pictogram and Functions

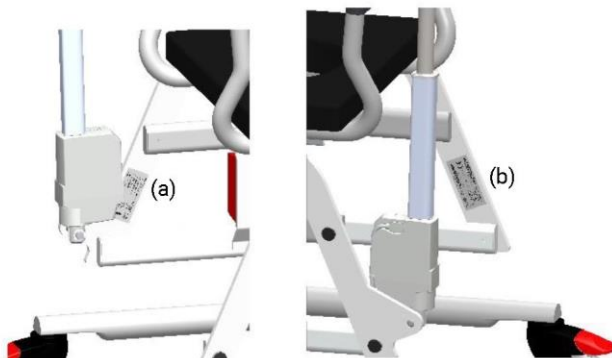
Manual Operation:



- (1) **UP.** Raises the seat. If the seat is angled between $+7^\circ$ and -5° , pressing the up button will simultaneously tilt the chair to -5° .
- (2) **FORWARD TILT.** Adjusts the seat angle up to $+7^\circ$.
- (3) **BACKWARD TILT.** Adjusts the seat angle backward down to -30° .
- (4) **DOWN.** Lowers the seat. If the seat is angled between $+7^\circ$ and 0° , pressing the down button will simultaneously tilt the chair to 0° .
- (5) **TRANSPORT POSITION.** Raises and tilts the seat to a position recommended for short transfers.
- (6) **SAVE.** Move to a desired position you wish to save. Press and hold button (6) + (7) or (6) + (8) for 2 seconds. The control box will beep to indicate a successful save.
- (7) **Memory 1**
- (8) **Memory 2**

Buttons must be held down constantly to operate the chair. As soon as they are released, the chair stops.

NOTE: Label with electrical data (a) and type label with serial number (b)



2.2 Charging

TRITON DUAL 150 has a removable BAL50 battery that can be charged with the attached cable or in an external charging station CHL50. Regular charging is recommended.

NOTE: The battery should be charged at least once every 12 months.
If TRITON DUAL 150 is stored long-term, it is recommended to remove the battery.



Charging the TRITON DUAL 150 is only allowed in a dry environment. If the chair has just been used in a wet environment or cleaned, the plug must be dry before inserting it into the socket.







The battery is equipped with a signal function that warns the user/carer when the battery is running low:

LOW battery:


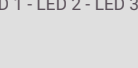




A continuous acoustic warning signal is heard when any button is pressed. When the acoustic signal is heard, the chair needs recharging, although at least 2 lifts remain.

The battery is equipped with LED lamps, which provide the following information about the battery:

LED 1 - LED 2 - LED 3	LED status	Status during charging
	LED 1-3 are constantly lit	90-100%
	LED 1+2 are constantly lit LED 3 blinks slowly	65-90%
	LED 1 is constantly lit LED 2 blinks slowly	40-65%
	LED 1 blinks slowly. Minimum two lifts remaining	0-40% Beeps during use
	LED 1+2+3 blink slowly	Charging stopped due to low battery temperature, high battery temperature, or other fault conditions
	No light	Charging stopped due to lost communication with the battery



LED 1 - LED 2 - LED 3	LED status	Status during normal use
	LED 1-3 are constantly lit	75-100% SOC
	LED1+2 are constantly lit	50-75% SOC
	LED 1 is constantly lit	<50% SOC
	LED 1 changes from green to yellow and blinks slowly.	The buzzer activates when the battery has 200 mAh remaining.

NOTE: BAL50 has deep discharge protection to extend the battery's lifespan. Deep discharge protection is activated when the battery is discharged.

If the battery is fully discharged, charging will start at a very low rate to protect the battery. Depending on the battery condition, it could take several hours to reach normal charging status.

2.3 Emergency Stop and Emergency Lowering

Emergency stop activation/deactivation
The emergency stop is mounted on the BAL50 battery and is easily accessible.

Activate emergency stop

- 1) Press the red button on the battery

Deactivate emergency stop

- Remove the battery
- 2) Use your thumb and forefinger/middle finger to press the buttons on the sides of the battery simultaneously
 - 3) Pull the battery out

Reinstall the battery

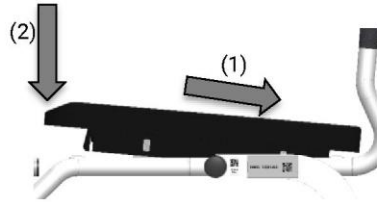
- 4) Hold the battery by the sides and guide the battery base over the guide pin
- 5) Press the battery into place



2.4 Seat and Backrest

The seat and backrest can be removed for easier cleaning.

The seat is removed by lifting the front of the seat. To reattach it, slide it upwards towards the rear square tube (1) and press down at the front (2) as shown in the figure.



The backrest is removed by opening the 4 buckles. The straps can be tightened or loosened to adjust the backrest to suit the user.



2.5 Footrest

The TRITON DUAL 150 comes with one set of footrests. Attach the footrest by placing it in the vertical tube at the front of the chair, guiding it into place with the vertical pin(a). The footrest is removed by lifting it.

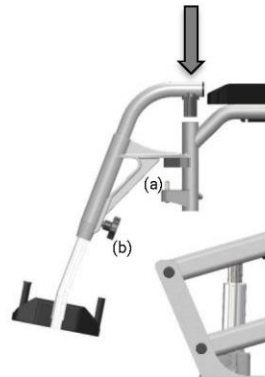
NOTE!

The TRITON DUAL 150 with accessories must always be adjusted to fit the user.

Foot Plate

The height of the foot plates can be adjusted by loosening the star knob(b). Make sure to tighten the knob in the desired position.

The angle of the foot plate can be adjusted by loosening the small screw with an Allen key. Make sure to tighten the screw in the desired position.



3 USAGE

3.1 Users

The TRITON DUAL 150 can be used by users who can walk independently or need assistance to transfer into the chair. If a user needs to be transferred into the chair with, for instance, a ceiling lift, the armrests can be rotated to a vertical position for better access.

NOTE: The armrests must always be in a horizontal/lowered position when using the lifting and tilting functions of the TRITON DUAL 150.

To make it easier for users who can seat themselves in the chair, it is recommended to tilt the chair forwards.

3.2 Basic Use

The top four buttons on the hand control are used to adjust the seat height and angle.

The height function is used to position the user over the toilet or in a position where care can be provided in an ergonomically correct posture.

Seat tilt is used to achieve the correct working posture for care and to ensure that the user feels safe and comfortable while using the device. Forward seat tilt can also assist the user in getting out of the chair.

If the chair is used as a toilet, ensure that the bedpan is correctly positioned under the seat.

NOTE: Never lift higher than necessary.

3.3 Memory and transport position

The extended hand control features four additional buttons:

- Transport position
- Save
- Memory 1
- Memory 2

The transport position automatically adjusts the height and seat tilt for short transfers. This setting should be used during transfers.

The (S) button can be used to save the chair's set position to one of the memory buttons. To save a position, press S + Memory 1 or S + Memory 2. See section 2.1
The memory buttons can then be used to return to the saved position.

The memory function can be used for, e.g.:

- Washing position
- Toilet position
- Exit position.

4 MAINTENANCE

4.1 Cleaning

TRITON DUAL 150 should be cleaned with a damp cloth using regular cleaning or disinfectant agents. Disposable wipes containing bactericidal agents can also be used. Strong chemicals and solvents must not be used.

TRITON DUAL 150 can also be cleaned in a washing machine or tunnel. All parts, including electronic components, are approved for this. Cleaning in a washing machine or tunnel should be carried out in accordance with EN/ISO 60601-2-52:2009. It is the user's responsibility to ensure the correct washing procedure is followed. Alternative washing procedures may damage the chair.

With the BAL50 battery mounted on the COL50 control box, IPX6W (washable) can only be guaranteed if there is a minimum interval of 24 hours between each wash.

Industrial high-pressure cleaning is not allowed. During washing, the actuators should be moved to the innermost position to prevent the piston rods from losing their lubrication.

The bedpan with lid can be cleaned in a bedpan washer or in accordance with relevant guidelines.

NOTE: If the chair is used by another individual, it **MUST** be cleaned.

NOTE: Repeated machine washing may cause discolouration and additional wear to the chair's parts.

Lubrication

The piston on the tilt actuator should be cleaned of limescale, dirt, soap residues and lubricated at least once a month with petroleum jelly or a thin acid-free oil.

4.2 Storage

The TRITON DUAL 150 should be stored in a dry environment with a relative humidity below 70%. This does not apply when the chair is being used for washing the user.

5 Inspection, Warranty and Troubleshooting

5.1 Annual Inspections

In accordance with the current harmonised *Standard EN/ISO:17966:2016 Assistive products for personal hygiene that support users*, Winnicare Nordic recommends that the TRITON DUAL 150 be inspected once a year as per Winnicare Nordic's inspection points. Similarly, all maintenance and repairs should only be performed by qualified personnel in accordance with EN/ISO:17966:2016.

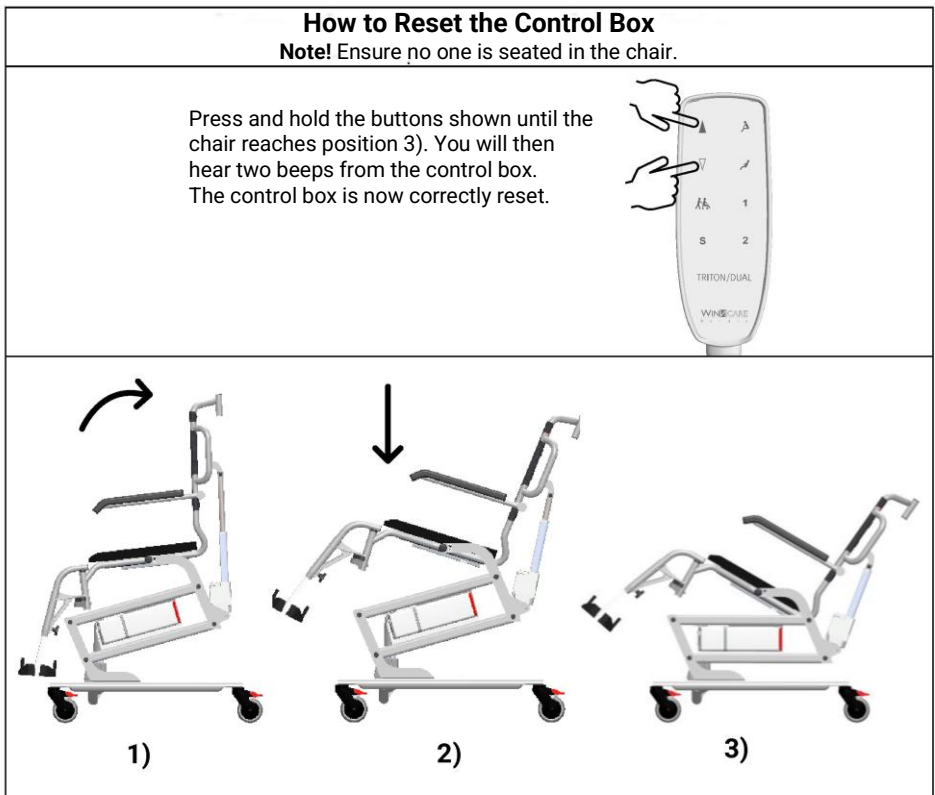
The following points should be reviewed during the annual inspection:

- **Tilt actuator:** The actuator moves in both directions. The piston is lubricated with thin acid-free oil or similar. The actuator is correctly mounted. The locking ring and nuts are correctly positioned.
- **Cables:** Intact.
- **Backrest and straps:** Intact and securely fastened.
- **Seat:** Easy to remove and install. PU surface is intact.

- **Armrest and moving parts:** Securely attached, lubricated and moves easily up and down. PU surface is intact. Screws are tightened (Note: Use "Loctite" if removed/loosened).
- **Footplate:** Moves up and down. Height adjustment functions. Easily removable.
- **Emergency stop:** Can be activated and deactivated.
- **Lift actuator:** The actuator moves in both directions. The piston of the actuator is lubricated with light, acid-free oil or similar. The actuator is properly installed. The retaining rings are correctly positioned. Lifts from bottom to top with maximum lifting capacity.
- **Manual Operation:** Check all functions described in the user manual.
- **Control Box and Battery:** Correctly installed. No visible defects.
- **Wheels:** Check and tighten wheels and brakes.
- **Frame and Welds:** Inspect for visible signs of cracks, splits, rust, and deformations.






5.2 Resetting the Control Box

If any part of the electrical system is replaced or disconnected, such as an actuator or control box, or if the emergency descent has been used, the system must be reset by pressing and holding the UP and DOWN buttons until both actuators reach their innermost position and two beeps are heard.



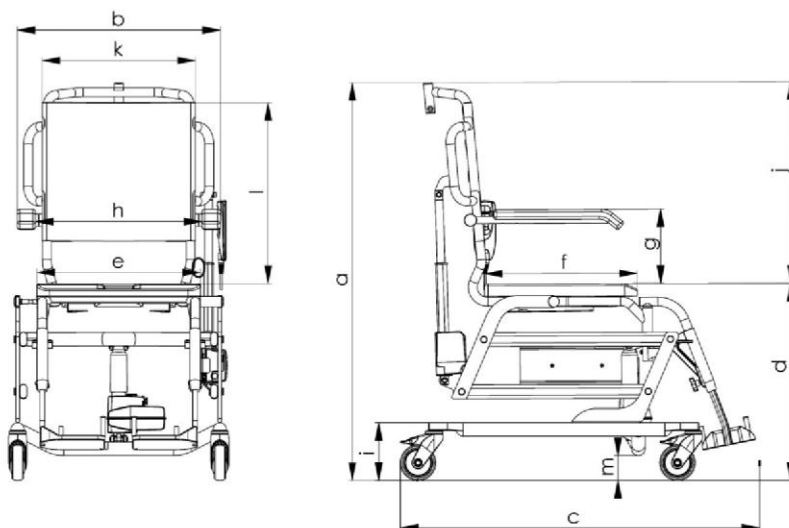
5.3 Troubleshooting

Error:	Possible cause:	Solution:
Chair does not respond when pressing the manual control buttons	Battery is not charged	Charge the battery (section 2.2).
	Defective manual control	Open the control box. Try using a different manual control.
	Emergency stop is activated	Reset the emergency stop (section 2.3).
	Cables are disconnected	Ensure that the cables are connected to the lift and tilt actuators. Open the control box and check the cables.
Battery error (see error codes in section 2.2)	Battery is critically depleted	Charge the battery for at least 12 hours. Battery might be rechargeable.
	Defective battery	Try a different battery. Order a new battery from Winncare Nordic.
The chair will not move up or down	Limescale on the lift or tilt actuator	Clean the actuator spindle and lubricate it with Vaseline or acid-free oil (section 4.1).
The lift or tilt actuator is not working properly or making unusual noises	Defective actuator	Order a new actuator from Winncare Nordic.
Control box beeps	Actuator has lost position	Reset control box (section 5.2).

Priority	LED4+LED5	LED status	Status during normal use	Comment	Reset
1		LED 4+5 constantly on	Emergency stop activated	Not ready for use	Reactivate emergency stop
2		LED 4+5 blinking rapidly in unison	FATAL error Not working RESET	No movement	Reset
3		LED 5 blinking slowly	Overload on CH1	Temporarily not ready for lifting	Reduce weight
4		LED 4 blinking slowly	Duty cycle protection	Temporarily not ready for lifting	Wait until ready
5		LED 4 constantly on	Needs servicing	Operational	Control box



6 TECHNICAL SPECIFICATIONS AND DIMENSIONS



a) Height	1119 -1497 mm
b) Width	620 mm
c) Length	840 mm (1000 mm with footrests)
d) Seat height	552-930 mm
e) Seat width	460 mm
f) Seat depth	430 mm
g) Height between armrests and seat	210 mm
h) Width between armrests	470 mm
i) Lower frame height	163 mm
j) Seat to upper backrest height	560 mm
k) Backrest width	430 mm
l) Backrest height	510 mm
m) Ground clearance	70 mm

Wheels	Ø100 mm
Turning diameter	980 mm (1040 mm with footrests)
Seat tilt	+7° to -30° ± 2°
Weight	38 kg
Noise level (under load)	LwA 55 dB(A)

Lifting characteristics:

Maximum weight	150 kg
Lifts per charge	80-100 lifts
Duty cycle	10%, maximum 2 min use/18 min rest

7 QUALITY AND ENVIRONMENT

TRITON DUAL 150 has an expected lifespan of at least 10 years, provided the recommended service inspections are adhered to and the general maintenance and care guidelines are followed.

7.1 Guarantee

A 2-year guarantee is offered for the product, on the condition that the recommended annual inspections and maintenance are followed, as outlined under annual inspections, and that this can be documented. For further warranty conditions, see www.WinnCare.dk

If it becomes necessary to replace parts due to wear or damage, original spare parts must be used to maintain the warranty and CE marking.

7.2 Quality Approvals

WinnCare Nordic is certified according to the standards ISO 9001:2015 and ISO 13485:2016.

These certifications mean that the products and the company comply with the current international quality management standards, as well as standards for traceability of medical products.

TRITON DUAL 150 is classified as a Medical Device Class 1 product.

7.3 Disposal

The product can be disposed of by WinnCare Nordic, who ensure that individual parts and materials are responsibly recycled or disposed of.



Materials containing aluminium, plastic, steel, and electronics can be harmful to the environment if not disposed of correctly.

7.4 Symbols and Abbreviations



The product should be recycled whenever possible.



Direct Current



Double Insulated



Type B: the patient is not isolated from earth

Refer to the user manual

SWL

Safe Working Load = user + accessories

8 ACCESSORIES AND SPARE PARTS

8.1 Accessories

047-10300	Adjustable headrest with flexible PU padding
047-10301	Adjustable headrest: Small size
047-00360	Swivel torso support with PU padding
047-00266	Soft cover for toilet seat
047-00271	Seat with round cut-out including cover
047-10317	Toilet seat cover for 047-00271/black PU
047-00274	Pressure-relieving cushion for seat HMI 40663 - hygiene cut-out
047-00275	Pressure-relieving cushion for seat - oval cut-out
047-00606	Elevating leg support / set
047-00361	Left amputation leg support
047-00362	Right amputation leg support
047-10302	Wide armrest +5 cm
047-10332	Wide armrest +2.5 cm
047-10311	Padded backrest
047-10303	PU backrest
047-00904	Bedpan/light grey/PP - compatible with factory-mounted bedpan holder
047-00915	Lid for bedpan
047-00917	Combined item number for bedpan with lid
047-00517	Bedpan holder for stainless steel bedpan/complete/ For 047-00914
047-00914	Bedpan with lid/stainless steel
047-10312	Bedpan holder for PP bedpan/complete/ For 047-00913
047-00913	Round bedpan with handle + lid
047-10316	Wheel with directional lock including screw/washer/spacer
047-00359	Cross lock between armrests
047-10328	Lockable armrest
047-10331	Crossbar for Triton Dual 150
047-00350	Leg strap for footrest
047-00607	Torso/Hip/Thigh belt
047-10340EU	External charging station
<p>Warning! Do not use cables or accessories that are not listed, as other cables or accessories may negatively affect performance or cause interference.</p>	

8.2 Spare parts

047-10304	Tilt actuator/LA23
047-10305	Lift actuator/LA40
047-10339	Cover/LA40 actuator
047-10306	Hand control/HB84/8 buttons
047-10337	Control box COL50
047-10338	Battery BAL50
047-00269	PU seat with keyhole cut-out
047-10311	Backrest/fabric
047-00363	Wheel D100 with red brake and screw
047-00608	Height adjustable and swivel footrest
047-00705	Armrest PU upholstery
047-10319	Flexible PU upholstery for adjustable headrest
047-10320	Small PU upholstery for headrest
047-10327	Screw set for headrest
047-10321	Backrest PUR upholstery
018-08271	Charging cable/EU plug/TRITON/excl. Velcro and clips
047-10325	Velcro and clips for charging cable

Contact Winncare Nordic if a desired spare part is not on the list.

Manufacturer:

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Denmark

**Phone:** +45 70 27 37 20**E-mail:** info@winncare.dk**Website:** www.winncare.dk

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