
BATEC MINI – BATEC ELECTRIC – BATEC ELECTRIC 2 – BATEC SCRAMBLER – BATEC MANUAL – BATEC HYBRID

ENGLISH

CE



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CONTENTS

WELCOME	4
1. PRODUCT DESCRIPTION.....	5
2. SAFETY MEASURES AND GENERAL PRECAUTIONS	6
2.1. BEFORE USING YOUR BATEC FOR THE FIRST TIME.....	6
2.2. DURING USE:	7
2.3. GENERAL PRECAUTIONS	9
3. MODELS: CHARACTERISTICS AND PARTS	10
3.1. BATEC MINI / ELECTRIC 2 / SCRAMBLER.....	13
3.1.1 Characteristics	13
BATEC MINI.....	13
BATEC ELECTRIC 2.....	15
BATEC SCRAMBLER	17
3.1.2. Partes del BATEC MINI / ELECTRIC 2 / SCRAMBLER.....	19
3.1.3. Parts of the BATEC QUAD MINI / ELECTRIC 2 / SCRAMBLER	22
3.1.4. Parts of the HEMI control for the BATEC MINI / ELECTRIC 2 / SCRAMBLER	23
3.2. BATEC ELECTRIC.....	24
3.2.1. BATEC ELECTRIC Specifications	24
3.2.2. BATEC URBAN Specifications	25
3.2.3. BATEC RAPID Specifications	26
3.2.4. Parts of the BATEC ELECTRIC.....	27
3.2.5. Parts of the controls for BATEC QUAD ELECTRIC	30
3.3. BATEC MANUAL.....	31
3.3.1. BATEC MANUAL Specifications	31
3.3.2. Parts of the BATEC MANUAL.....	32
3.3.3. Parts of the controls for BATEC QUAD MANUAL	34
3.4. BATEC HYBRID.....	35
3.4.1. BATEC HYBRID Specifications	35
3.4.2. Parts of the BATEC HYBRID.....	36
3.4.3. Parts of the controls for BATEC QUAD HYBRID	39
4. OPERATING THE BATEC / USER GUIDE.....	40
4.1. DELIVERY	40
4.2. UNPACKING:	40
4.3. LIFTING AND TRANSPORT:	40
4.4. ATTACHING THE BATEC:.....	41
4.5. DETACHING THE BATEC:	46

4.6. USING THE BATEC MINI / ELECTRIC 2 / SCRAMBLER CONTROLS	49
4.7. USING THE BATEC QUAD MINI / ELECTRIC 2 / SCRAMBLER CONTROLS	54
4.8. OPERATING THE BATEC MINI / ELECTRIC 2 / SCRAMBLER HEMI CONTROLS	58
4.9. OPERATING THE BATEC ELECTRIC CONTROLS	63
4.10. OPERATING THE BATEC QUAD ELECTRIC CONTROLS	68
4.11. OPERATING THE BATEC MANUAL CONTROLS.....	72
4.12. USING THE BATEC QUAD MANUAL CONTROLS.....	74
4.11.1. BATEC QUAD GRIPS of BATEC QUAD MANUAL.....	74
4.12.2. BATEC SHIFT LEVER of BATEC QUAD MANUAL	75
4.12.3. BATEC QUAD MANUAL back pedal brake	78
4.12.4. BATEC QUAD MANUAL MAGIC LEVER.....	78
4.13. OPERATING BATEC HYBRID CONTROLS	80
4.14. USING BATEC QUAD HYBRID CONTROLS.....	85
4.14.1. BATEC QUAD GRIPS of BATEC QUAD HYBRID.....	85
4.14.2. BATEC SHIFT LEVER of BATEC QUAD HYBRID	86
4.14.3. BATEC QUAD HYBRID back pedal brake	89
4.14.4. BATEC QUAD HYBRID MAGIC LEVER.....	89
4.15. BATTERY.....	94
4.15.1 BASIC BATTERY USE	95
4.15.2. BATTERY SAFETY INFORMATION.....	100
4.15.3. ADDITIONAL INFORMATION ON THE BATTERY	101
4.15.4. TECHNICAL SPECIFICATIONS OF THE 280 WH BATTERY	102
4.15.5. TECHNICAL SPECIFICATIONS OF THE 522 WH BATTERY	102
4.15.6. SPECIFICATIONS OF THE 696-WH BATTERY	103
4.16. WEIGHTS.....	104
5. INSTALLATION AND ADJUSTMENTS.....	106
5.1. INSTALLATION OF THE BATEC ON A WHEELCHAIR	106
5.2. USER ADJUSTMENTS	106
5.2.1. ADJUST THE DISTANCE BETWEEN THE BATEC AND THE CHAIR	107
5.2.2. ADJUST STEM ANGLE.....	108
5.2.3. ADJUST STEM HEIGHT	109
6. MAINTENANCE AND REPAIRS	110
7. LABEL.....	115
8. WARRANTY.....	116
8.1. WARRANTY PERIOD.....	116
8.2. WARRANTY CONDITIONS.....	116
8.3. WARRANTY CARD.....	119

WELCOME

First of all, we'd like to congratulate you on your purchase of a Batec, manufactured by Batec Mobility S.L.

All of the products designed, manufactured and distributed by Batec Mobility comply with European Directive 93/42/EEC concerning medical devices and the amendments in 2007/47/EC.

Each Batec is assembled individually by hand, to ensure maximum quality. The fact that the inventor, founder and current director of Batec Mobility and many of our employees are Batec users allows us to apply our direct experience gained over many years of use to our products.

Here at Batec Mobility we're committed to ensuring that each new user gets the most out of their Batec, thus gaining greater mobility and independence.

It is very important that you read this manual and the safety instructions carefully before using the product. This will help you understand how your Batec is made and how you should use it for maximum comfort and safety.

For our part, we're available at any time to answer any questions you may have or provide any services you may need.

1. PRODUCT DESCRIPTION

The Batec is a handbike that attaches to a wheelchair to create a three-wheeled vehicle that allows users to move around propelled only by their arms, optimising their capacities and boosting autonomy.

Batec has CE marking as a class I medical device according to the requirements of Directive 93/42/EEC concerning medical devices and the amendments in 2007/47/EC.

All of the Batec models operate in a similar manner, the only changes being to the way they are powered and the gear shifter, as well as the brakes associated with each type of gear shifter. See Section 3 (MODELS).

First, the handbike must be attached to a wheelchair. Once the two parts have been joined, we have a three-wheeled vehicle with the seat on the wheelchair and transmission and traction on the front wheel. To operate the handbike, just activate its transmission by pedalling with your hands or pressing on the accelerator. This will provide traction to the front wheel.

This product aims to provide wheelchair users (people with a disability that makes it impossible for them to walk) with attractive, practical products that are useful both in their daily life and for doing recreational activities and sport.

Thanks to the product configuration, users can do longer and more complicated trips than with a wheelchair alone, boosting independence and autonomy.

2. SAFETY MEASURES AND GENERAL PRECAUTIONS

2.1. BEFORE USING YOUR BATEC FOR THE FIRST TIME

- Before using your Batec for the first time, read this user manual carefully.
- Don't exceed the maximum weight of 110 kg. This includes the user's weight and any other object being carried.
- The Batec isn't compatible with all wheelchairs on the market. Before installing it, check the current Batec Compatibility Table on our website (www.batec-mobility.com).
- It is important to start out slowly the first time you use your Batec in order to learn the sensations you get and become familiar with it. Each new manoeuvre is a potential risk. Be particularly careful with turns and speed.
- Choose a calm place to use your Batec the first time.
- Have someone help you become familiar with your Batec. Each new manoeuvre can put you at risk of injury. Never use your Batec alone until you have gained the necessary skill level. When someone is helping you, it is important for them to have read the user manual beforehand as well.
- Safe use of the Batec requires training and experience.
- The Batec is a medical device classified as a technical aid for mobility and we recommend consulting your local regulations on the circulation of such vehicles. Batec Mobility S.L. can provide you with the Declaration of Conformity as a medical device or certification as a technical aid, if required.
- Check local laws regarding add-on handbikes and wheelchairs, as they may vary depending on your location.
- Always do a safety check on your Batec before each use. To do this, check:
 - Conditions of the fixed or removable axles on the rear wheels of your wheelchair.
 - The Velcro on the seat and backrest of your wheelchair.
 - Tyre pressure on your wheelchair. If it is too low, there is a greater risk of tipping over and greater wear (recommended pressure for wheelchair: see side of tyre).

- Batec tyre pressure (recommended pressure: depends on model).
- Conditions of the Batec frame.
- Chain tension on the BATEC MANUAL.
- All parts, in particular any screws, are properly tightened.
- Brakes are working properly.
- Except for BATEC MANUAL, make sure that all electrical connections are in good conditions and properly connected.
- Except for BATEC MANUAL, make sure the battery is connected.
- The Batec attaches and detaches from the wheelchair properly.

2.2. DURING USE:

- The Batec must only be used to transport one person at a time.
- The Batec is only recommended for people with the physical and mental state necessary to travel in situations with vehicle traffic.
- Avoid unnecessary risks like excess speed, fast turns and leaning to the side. Also avoid travelling over objects that may cause you to brake sharply or tip over.
- The safest way to drive the Batec is on level surfaces without obstacles. Use ramps whenever possible. Always be extremely careful when crossing the road.
- Use reflectors on your Batec and wheelchair or on your clothes to make you more visible to drivers. In situations with reduced visibility, always use lights.
- There is a risk of skidding on wet surfaces, gravel or irregular terrain, reduce your speed and use extra caution. Don't use the Batec on mud or ice.
- Make sure your feet are properly positioned on the footrest of the wheelchair and that the seatbelt is properly adjusted.
- We strongly recommend you wear helmet when travelling over 10 km/h.
- When you use your Batec, control your speed and only ride as fast as appropriate for the given ground conditions. By maintaining a prudent speed, you will avoid unnecessary risks. Don't ride the Batec faster than you would travel in a wheelchair alone.
- Maximum recommended speeds are:
 - 6 km/h on the street, pavement and pedestrian areas.
 - 12 km/h in cycle lanes.

- > 12 km/h on private land.
- When you need to turn, remember to slow down and be extra careful. If you take a turn too quickly, you may lose control of the Batec and run the risk of tipping over or crashing. Lean your body into the curve for better stability and to reduce the risk of tipping over.
- While driving and braking, hold the grips firmly with both hands in order to avoid any accidents caused by steering error.
- Going up or down kerbs isn't recommended, as there is a risk of tipping over. When you can't avoid a kerb, we recommend you:
 - Get help whenever possible.
 - Take the kerb perpendicularly, so that both wheels of your wheelchair go over the kerb at the same time. Going over a kerb in any other way significantly increases the risk of tipping over.
 - Avoid banging the Batec when going up or down over a kerb, as this could damage both the Batec and your wheelchair.
 - The Batec and the wheelchair must roll gently over the kerb on all wheels.
 - Never try to go up or down over any kerb more than 10 cm high.
- When travelling up or down a hill, we recommend you:
 - Get help whenever possible while on a hill.
 - Stay a straight course.
 - When going up steep hills, lean forward to put more weight on the front wheel and improve traction.
 - Avoid unnecessary turns and never turn sharply, as this puts you at risk of tipping over.
 - Avoid stopping: this may lead you to lose control of the Batec.
 - When going downhill, go slowly, braking continuously, and avoid braking sharply.
 - Don't use the brakes on your wheelchair; this could cause them to lock up and you to lose control.
- When travelling long distances we recommend you carry an extra battery.
- For BATEC MANUAL and BATEC HYBRID, don't put your hands in the chain area. There is a risk your fingers may get stuck in any moving parts.
- Make sure the grip on your wheels is in proper conditions.
- Make sure you are familiar with braking distances at various speeds.

- Only use accessories approved by Batec Mobility. Check www.batec-mobility.com.
- NEVER use your Batec with a child on your lap, as there is a high risk of getting fingers stuck in the chains (for BATEC MANUAL and BATEC HYBRID) and of tipping over in sharp turns (in all cases).
- The following manoeuvres are not allowed:
 - Riding up or down stairs or staircases.
 - Riding at an angle on the pavement.
 - 180° turns on steep hills.
 - Sharp movements.
 - Sharp braking on a curve.

2.3. GENERAL PRECAUTIONS

- Take your Batec to a distributor or technical service provider authorised by Batec Mobility regularly for servicing.
- Avoid contact or proximity to fire, particularly lit cigarettes.
- If the Batec is exposed to direct sunlight or low temperatures for an extended period of time, the Batec pieces may overheat (>41° C) or become too cold (<0°).
- Only use our charger to charge the battery.
- If you don't use your Batec for an extended period of time, make sure the battery is fully charged and recharge it every 2 months to avoid damage caused by "deep discharge".
- Keep the Batec out of the reach of children when not under adult supervision.
- Do not open the battery, as there is a risk of explosion and/or fire.

3. MODELS: CHARACTERISTICS AND PARTS

Information!

The Batecs shown and described in this manual may not be exactly the same as the model you own. However, all of the instructions provided here apply. The manufacturer reserves the right to modify the weights, measurements and other technical details in this manual without prior notice. All figures, measurements and capacities in this manual are approximate and not technical specifications. The manufacturer reserves the right to modify this manual without prior notice. The most current version of the manual is always available online: <http://batec-mobility.com/es/soporte>



There are six Batec models: BATEC MINI, BATEC ELECTRIC, BATEC ELECTRIC 2, BATEC SCRAMBLER, BATEC MANUAL and BATEC HYBRID. All of the Batec models have the same anchoring system and the same type of structure, only the power system varies on each model:

- BATEC MINI: powered by an electric motor on the 16" front wheel.
- BATEC ELECTRIC: powered by an electric motor on the 19" front wheel.
- BATEC ELECTRIC 2: powered by an electric motor on the 18" front wheel.
- BATEC SCRAMBLER: powered by an electric motor on the 19" front wheel (all terrain).
- BATEC MANUAL: powered by using hand pedals.
- BATEC HYBRID: powered by a combination of an electric motor on the front wheel and hand pedals.

All 6 Batec models are designed for users with full hand function in their standard configuration. For users without full hand function, we have specially adapted controls, sold under the name QUAD. For users who only have functional difficulties in one of their upper limbs, we offer controls specially adapted to this situation, sold under the name HEMI. More information in the box below.

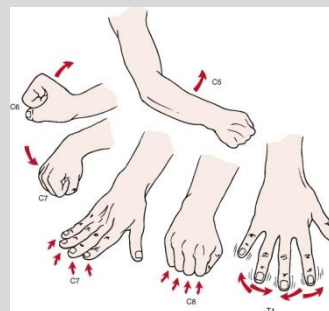
Information!

SKILLS NEEDED TO USE THE BATECS: Batecs are only recommended for people with the physical and psychological conditions to circulate in traffic. The standard Batec models require full use of hands and arms.

To use the models with QUAD controls, users must have good arm function and partial hand function, enough to accelerate, brake and turn without danger. This is why Batec Mobility always offers users the option to test the product before purchasing.

The most serious spinal cord injury compatible with use of the BATEC QUAD is functional C6 (good biceps function and wrist motion is essential).

To use versions equipped with HEMI controls, users must have full functionality (hand and arm) in at least one of their upper limbs.



3.1. BATEC MINI / ELECTRIC 2 / SCRAMBLER

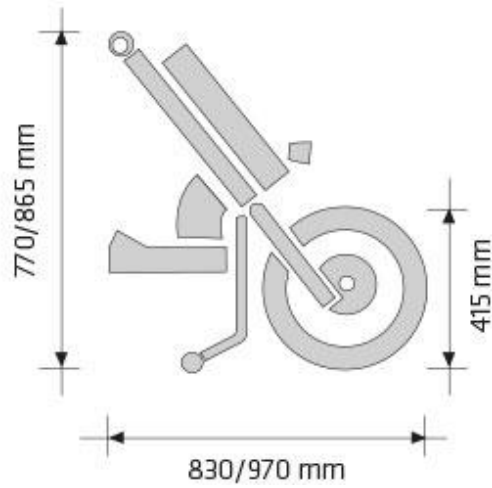
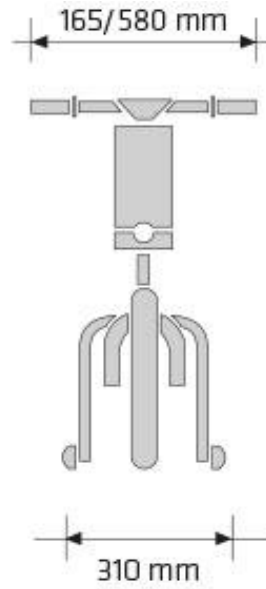
3.1.1 Characteristics

BATEC MINI

- Material: 7005 T6 aluminium
- Motor: 250 RPM, 900 W brushless motor / Nominal power: 900 W / Reverse gear
- Top speed: 20 km/h
- Battery (2 options available):
 - 280 Wh (7.8 Ah) battery with 22-km battery range*
 - 522 Wh (14.5 Ah) battery with 40-km battery range*

*Battery range calculated under the following conditions: 75-kg user, extra-light wheelchair, flat terrain, no wind and steady speed of 15 km/h. Life may vary ± 20 % depending on the battery.

- Fast 4A charger
- Tyre: 16" ultra-grip
- Rim: 16" double-wall aluminium
- Brakes: Avid BB5 180 mm mechanical disc brakes with aluminium levers and parking brake
- Headset: 1.1/8 black
- Handlebar: Black matte aluminium
- BATEC EASY-FIT regulation system
- BATEC EASY-FIX anchor system
- BATEC SAFE-FEET stand frame
- 700 lumen front LED light, runs off main battery
- Dual LED tail light on the stand frame
- ALL-IN-ONE LCD screen (battery gauge, 3-speed regulator and rear gear, cycle computer, front and rear lights, and horn, all with 4 buttons on the handlebar)
- Weight: 14.6 kg (without battery)
- Dimensions:

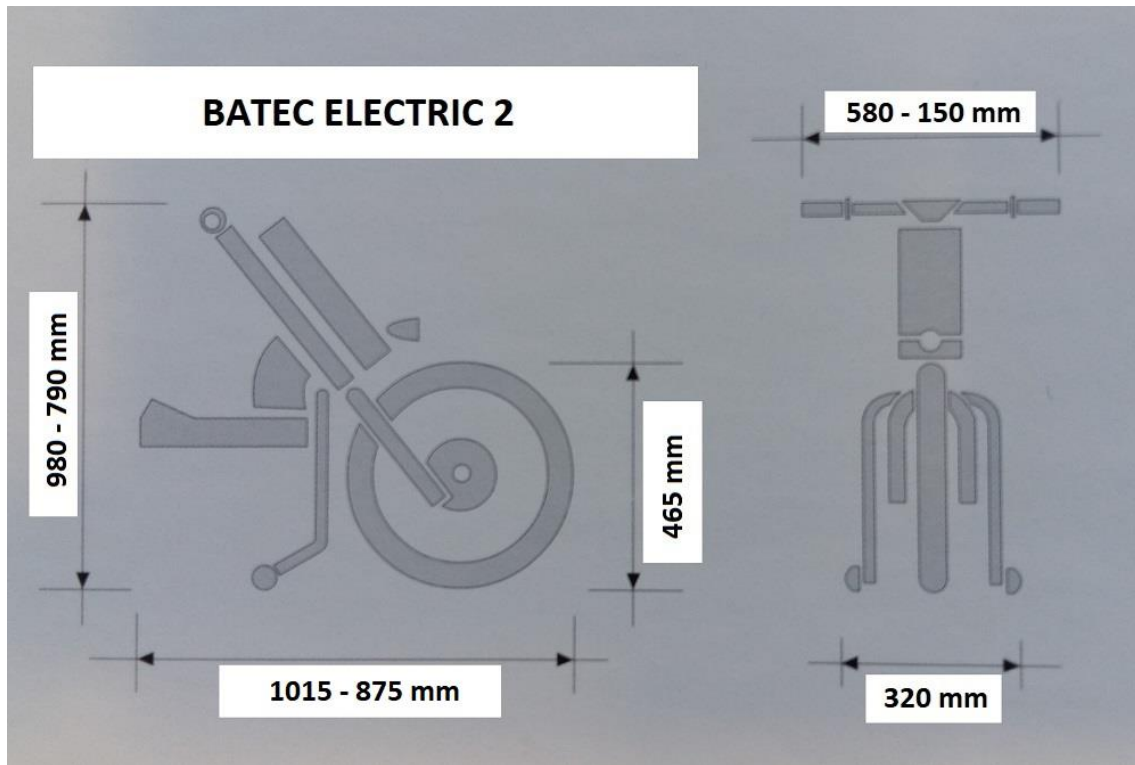


BATEC ELECTRIC 2

- Material: 7005 T6 aluminium
- Motor: 250 RPM, 900 W brushless motor / Nominal power: 900 W / Reverse gear
- Top speed: 23 km/h
- Battery (2 options available):
 - 280 Wh (7.8 Ah) battery with 22-km battery range*
 - 522 Wh (14.5 Ah) battery with 40-km battery range*

*Battery range calculated under the following conditions: 75-kg user, extra-light wheelchair, flat terrain, no wind and steady speed of 15 km/h. Life may vary ± 20 % depending on the battery.

- Fast 4A charger
- Tyre: 18" ultra-grip
- Rim: 18" double-wall aluminium
- Brakes: Avid BB5 180 mm mechanical disc brakes with aluminium levers and parking brake
- Headset: 1.1/8 black
- Handlebar: Black matte aluminium
- BATEC EASY-FIT regulation system
- BATEC EASY-FIX anchor system
- BATEC SAFE-FEET stand frame
- 700 lumen front LED light, runs off main battery
- Dual LED tail light on the stand frame
- ALL-IN-ONE LCD screen (battery gauge, 3-speed regulator and rear gear, cycle computer, front and rear lights, and horn, all with 4 buttons on the handlebar)
- Removable weights
- Weight: 14.9 kg (without battery/weights)
- Dimensions:

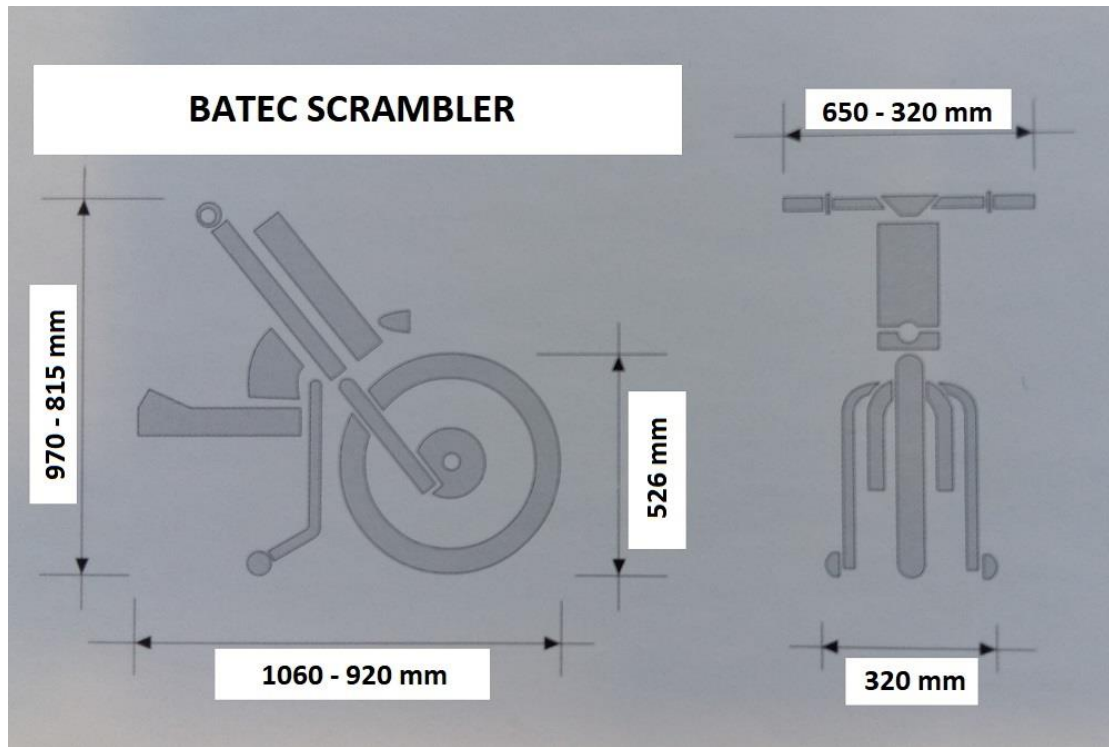


BATEC SCRAMBLER

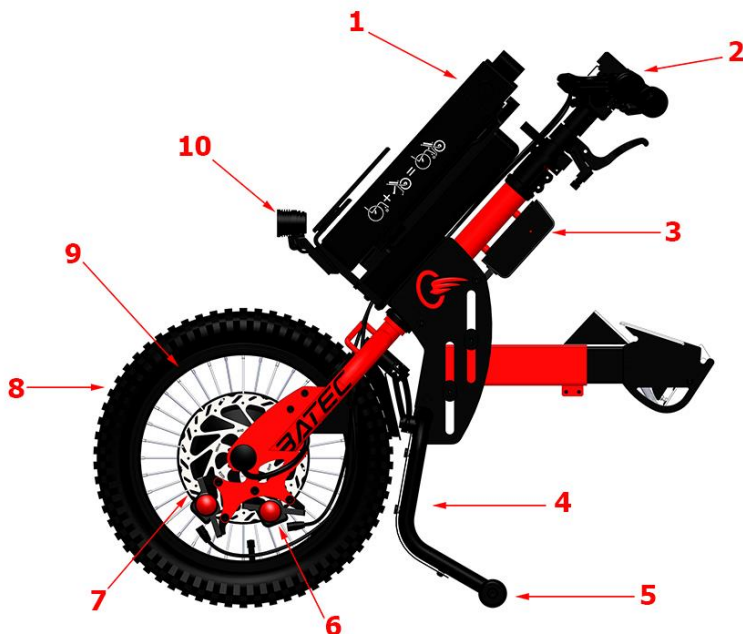
- Material: 7005 T6 aluminium
- Motor: 250 RPM, 900 W brushless motor / Nominal power: 1.200 W / Reverse gear
- Top speed: 28 km/h
- Battery:
 - 696 Wh (14.5 Ah) battery with 50-km battery range*

*Battery range calculated under the following conditions: 75-kg user, extra-light wheelchair, flat terrain, no wind and steady speed of 15 km/h. Life may vary ± 20 % depending on the battery.

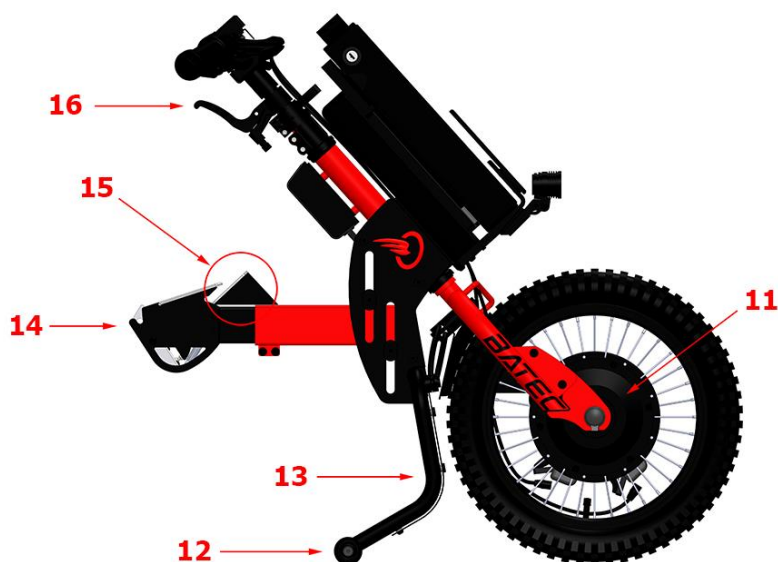
- Fast 3A charger
- Tyre: 19" ultra-grip
- Rim: 19" double-wall aluminium
- Brakes: Hydraulic double TRP HY/RD brake with adjustable Avid Speed Dial Titanium brake levers
- Headset: 1.1/8 FSA Orbit Mx black
- Handlebar: Ultra-wide aluminium
- BATEC EASY-FIT regulation system
- BATEC EASY-FIX anchor system
- Stand frame with suspension
- 700 lumen front LED light, runs off main battery
- Dual LED tail light on the stand frame
- ALL-IN-ONE LCD screen (battery gauge, 3-speed regulator and rear gear, cycle computer, front and rear lights, and horn, all with 4 buttons on the handlebar)
- Removable weights
- Weight: 16.1 kg (without battery/weights)
- Dimensions:



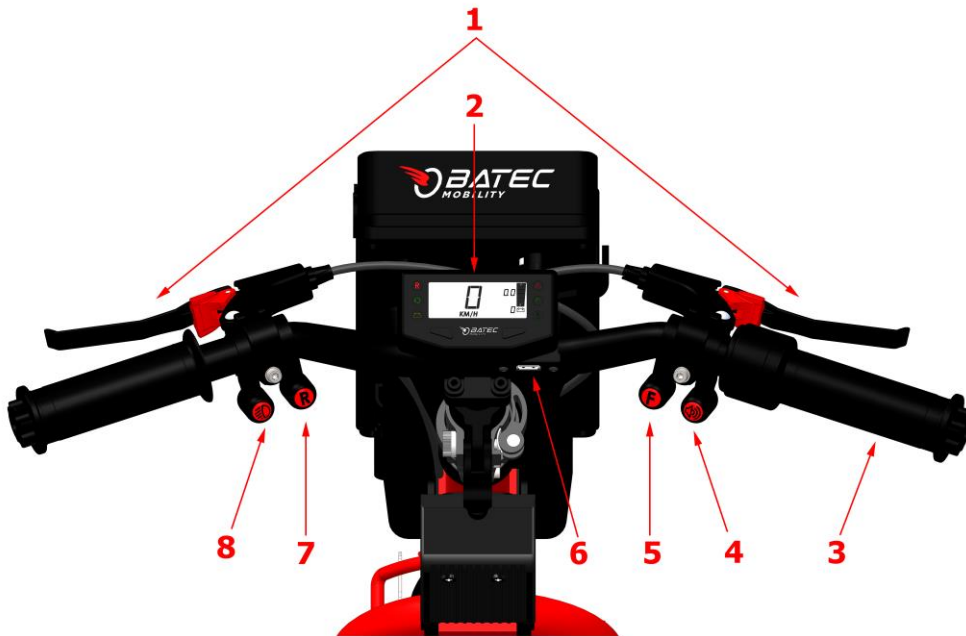
3.1.2. Partes del BATEC MINI / ELECTRIC 2 / SCRAMBLER



1. Battery
2. Handlebar
3. Controller
4. BATEC SAFE-FEET stand frame
5. Tail lights
6. Brake caliper
7. Disc brake
8. Tyre
9. Rim
10. Front light



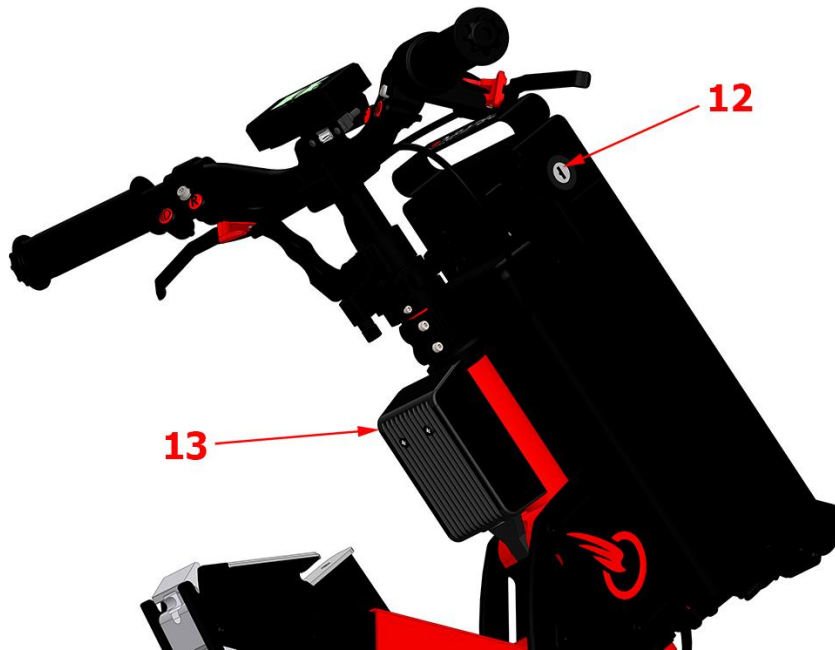
11. Motor
12. Rear wheels
13. Foot protector
14. Anchoring bar
15. Detaching ramp
16. Anchor lever



1. Brake levers
2. All-in-one display panel
3. Twist throttle
4. Horn button
5. Front gear button
6. USB charging port
7. Reverse gear button
8. Lights button

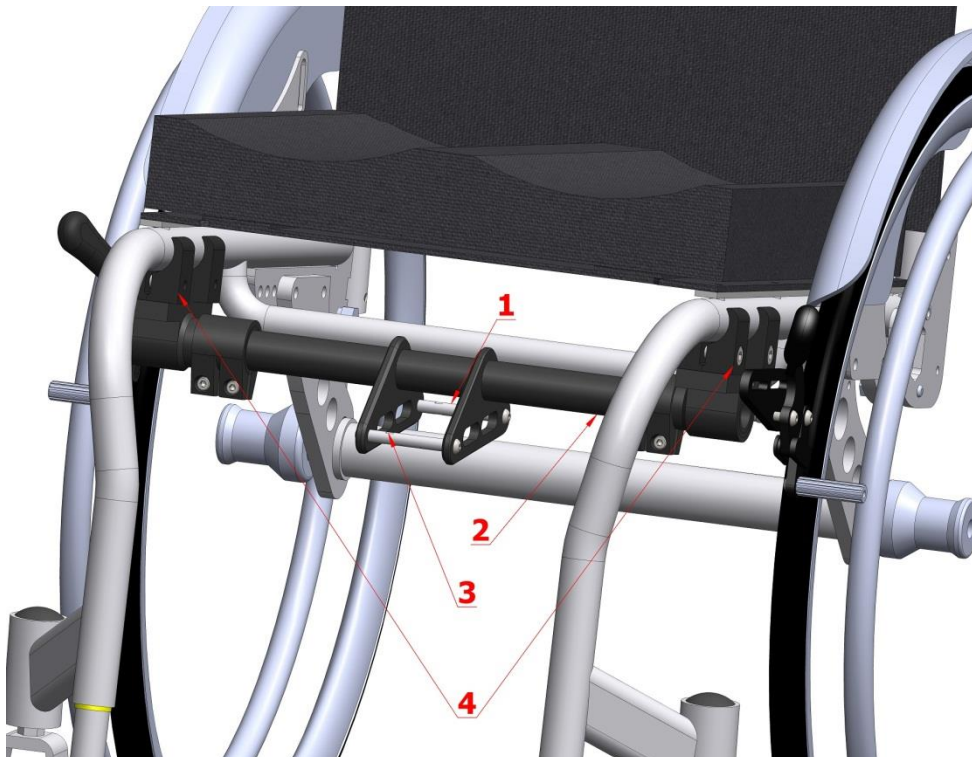


9. Handle
10. Charging port
11. Battery mount



12. Key

13. Main control panel



1. Rear axle of the BATEC DOCKING-BAR

2. BATEC DOCKING-BAR

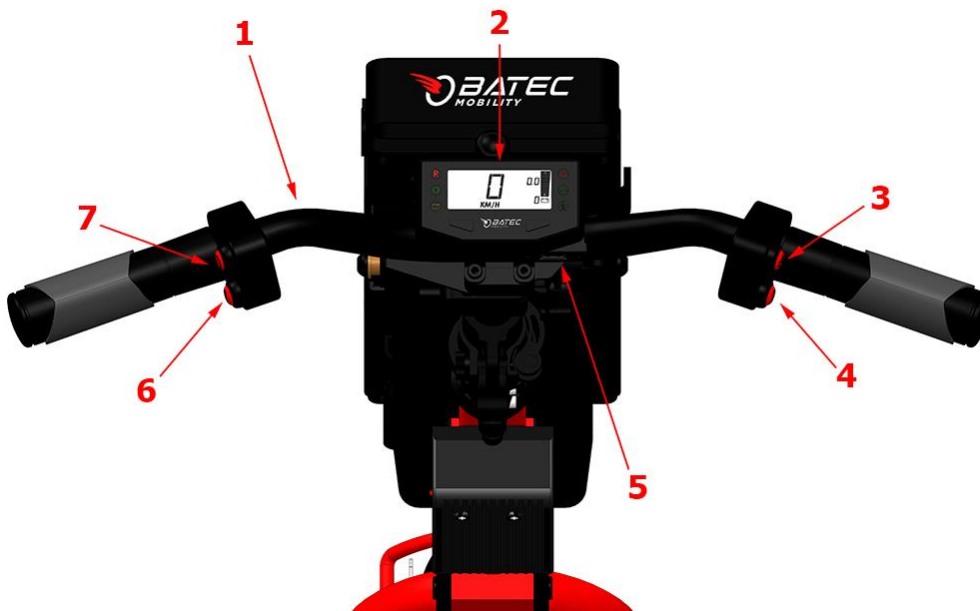
3. Front axle of the BATEC DOCKING-BAR

4. Clamps



- 1. Bag
- 2. Charger

3.1.3. Parts of the BATEC QUAD MINI / ELECTRIC 2 / SCRAMBLER



- 1. Gas & Brake handlebar
- 2. Display panel
- 3. Horn button
- 4. Front gear button
- 5. USB charging port
- 6. Reverse gear button
- 7. Lights button

3.1.4. Parts of the HEMI control for the BATEC MINI / ELECTRIC 2 / SCRAMBLER



1. All-in-one display panel
2. Double brake lever
3. Twist throttle
4. Horn button
5. Front gear button
6. Lights button
7. Reverse gear button
8. USB charging port

A left-handed version is also available with symmetrical controls regarding the one displayed.

3.2. BATEC ELECTRIC

3.2.1. BATEC ELECTRIC Specifications

- Material: Aluminium 7005 T6
- Motor: 200 RPM, 900 W brushless motor
- Battery (2 options available):
 - 280 Wh (7.8 Ah) battery with 27-km battery range
 - 522 Wh (14.5 Ah) battery with 50-km battery range
- Battery range calculated under the following conditions: 75-kg user, extra-light wheelchair, flat terrain, no wind and steady speed of 15 km/h. Range may vary $\pm 20\%$ depending on the battery.
- Fast charger 4A
- Tyres: 20" ultra-grip Maxxis (54-406)
- Rims: 20" aluminium double-wall
- Brakes: Avid BB7 200 mm dual mechanical disc brakes with FR7 levers
- Headset: 1.1/8 FSA Orbit MX
- Handlebar: FSA V-Drive Lowrider
- BATEC EASY-FIT regulation system (Pat. Pend.)
- BATEC EASY-FIX fast anchor system (Pat. Pend.)
- BATEC SAFE-FEET stand frame (Pat. Pend.)
- Front LED light - 900 lumens, runs off main battery
- Two rear LED lights on the stand frame
- Display panel with battery gauge and speed regulator
- Cycle computer with LCD screen and 4 functions
- Two USB ports to charge a smartphone or tablet
- Removable QR weights for improved traction
- Weight: 15.6 kg (+ battery + 5 kg weights)

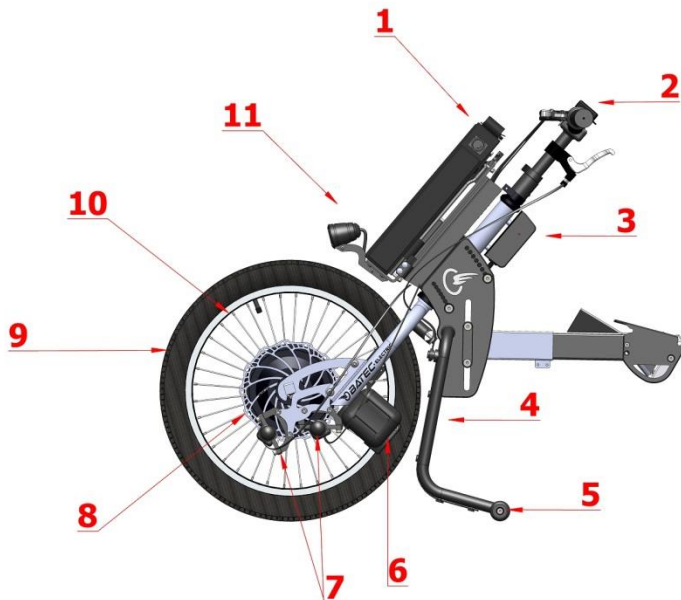
3.2.2. BATEC URBAN Specifications

- Material: Aluminium 7005 T6
- Motor: 200 RPM, 900 W brushless motor
- Battery (2 options available):
 - 280 Wh (7.8 Ah) battery with 27-km battery range
 - 522 Wh (14.5 Ah) battery with 50-km battery range
- Battery range calculated under the following conditions: 75-kg user, extra-light wheelchair, flat terrain, no wind and steady speed of 15 km/h. Range may vary $\pm 20\%$ depending on the battery.
- Fast charger 4A
- Tyres: 20" ultra-grip Maxxis (54-406)
- Rims: 20" aluminium double-wall
- Brakes: Avid BB5 180 mm dual mechanical disc brakes with FR5 levers
- Headset: 1.1/8 FSA Orbit MX
- Handlebar: FSA Comet
- BATEC EASY-FIT regulation system (Pat. Pend.)
- BATEC EASY-FIX fast anchor system (Pat. Pend.)
- BATEC SAFE-FEET stand frame (Pat. Pend.)
- Front LED light - 200 lumens, runs off main battery
- Weight: 15.3 kg (+ battery)

3.2.3. BATEC RAPID Specifications

- Material: Aluminium 7005 T6
- Motor: 300 RPM, 900 W brushless motor
- Battery (2 options available):
 - 280 Wh (7.8 Ah) battery with 20-km battery range
 - 522 Wh (14.5 Ah) battery with 40-km battery range
- Battery range calculated under the following conditions: 75-kg user, extra-light wheelchair, flat terrain, no wind and steady speed of 20 km/h. Range may vary $\pm 20\%$ depending on the battery.
- Fast charger 4A
- Tyres: 20" ultra-grip Maxxis (54-406)
- Rims: 20" white aluminium double-wall with black spokes and anodised-red nipples.
- Brakes: Hydraulic TRP HY/RD brakes Avid Speed Dial Titanium Adjustable brake levers Avid Centerline 200mm rotor disc
- Headset: 1.1/8 FSA Orbit MX
- Handlebar: FSA SL-K MTB CARBON RISER
- BATEC EASY-FIT regulation system (Pat. Pend.)
- BATEC EASY-FIX fast anchor system (Pat. Pend.)
- BATEC SAFE-FEET stand frame (Pat. Pend.)
- Front LED light - 900 lumens, runs off main battery
- Two rear LED lights on the stand frame
- Display panel with battery gauge and speed regulator
- Cycle computer with LCD screen and 4 functions
- Two USB ports to charge a smartphone or tablet
- Removable QR weights for improved traction
- Weight: 15.3 kg (+ battery + 5 kg weights)

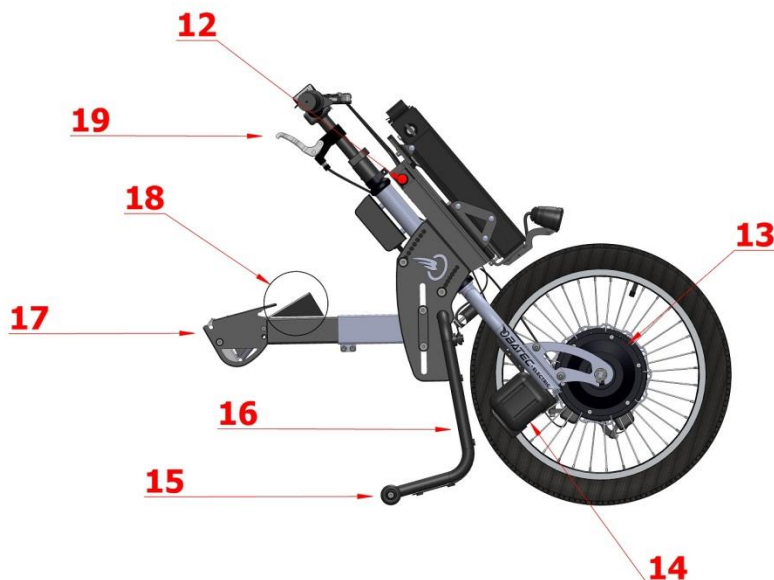
3.2.4. Parts of the BATEC ELECTRIC



Rear lights not available on BATEC URBAN

Weights optional on BATEC URBAN

1. Battery
2. Handlebar
3. Main control panel
4. BATEC SAFE-FEET stand frame
5. Rear lights
6. Weights
7. Brake callipers
8. Disc brake
9. Tyre
10. Rim
11. Front light



12. Lights switch
13. Motor
14. Weights
15. Rear wheels
16. Feet protection
17. Anchoring bar
18. Detaching ramp
19. Anchor lever



1. Brake lever
2. Battery
3. Twist throttle
4. Display panel
5. Cycle computer
6. Lights switch

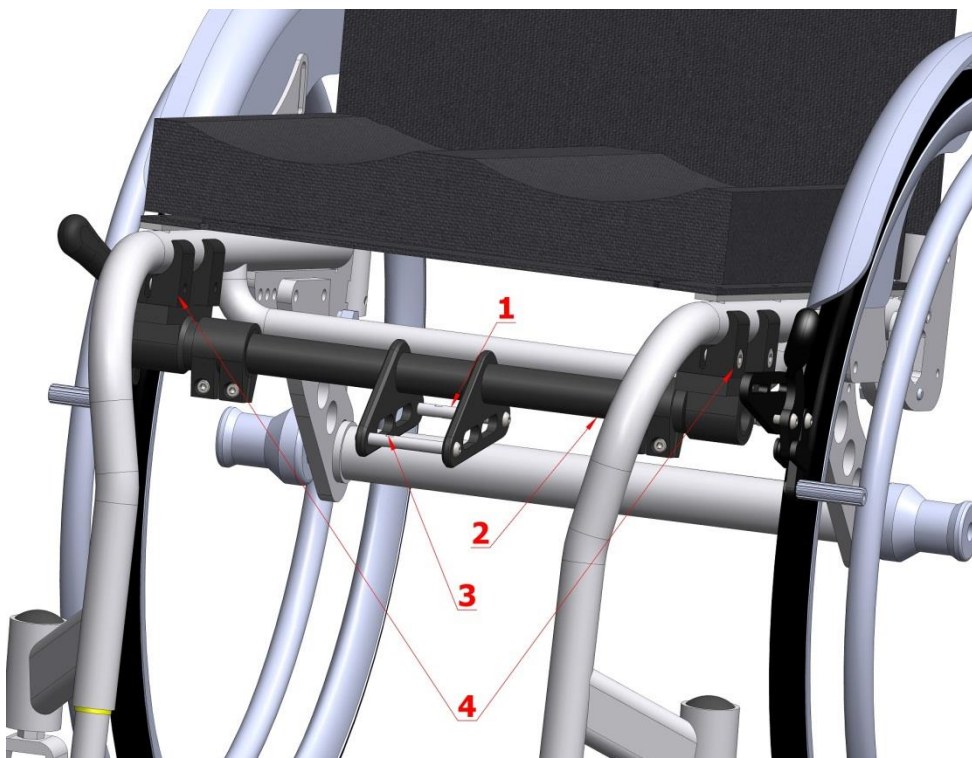
Display panel and cycle computer not available on BATEC URBAN



7. Handle
8. Charging port
9. Battery mount



- 10. Two USB ports
- 11. Key
- 12. Battery mount
- 13. Main control panel

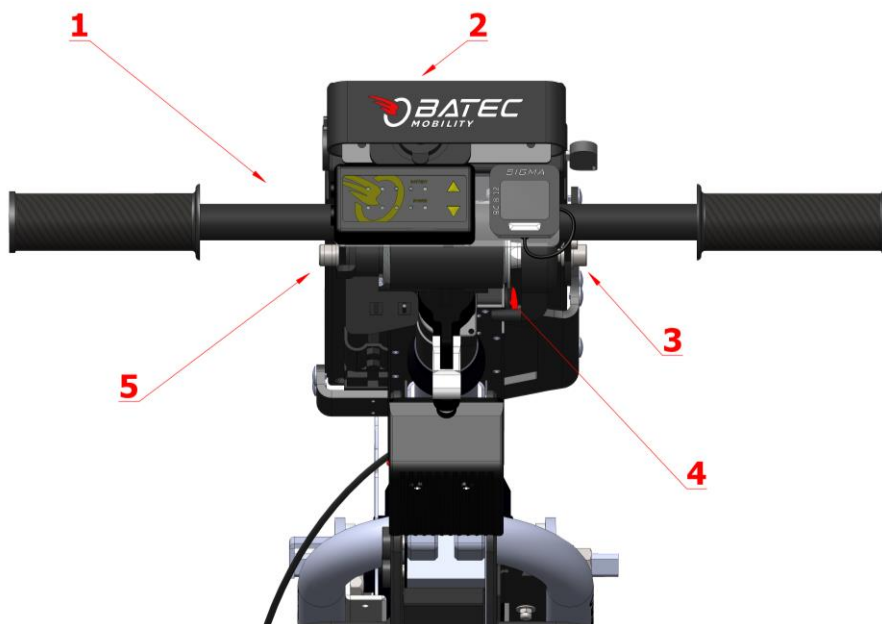


- 1. Rear axle of the BATEC DOCKING-BAR
- 2. BATEC DOCKING-BAR
- 3. Front axle of the BATEC DOCKING-BAR
- 4. Clamps



- 1. Bag
- 2. Charger

3.2.5. Parts of the controls for BATEC QUAD ELECTRIC



- 1. Gas & Brake handlebar
- 2. Battery
- 3. Cycle computer
- 4. Lights switch
- 5. Display panel

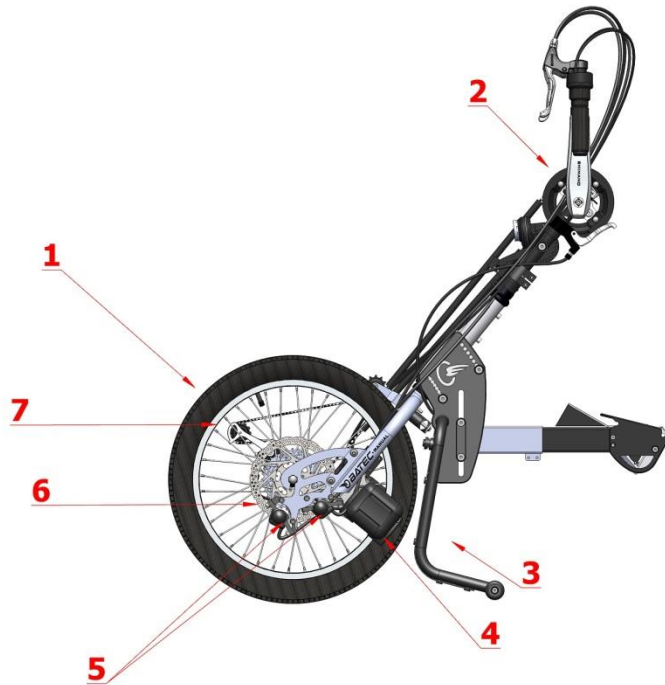
Display panel and cycle computer not available on BATEC QUAD URBAN

3.3. BATEC MANUAL

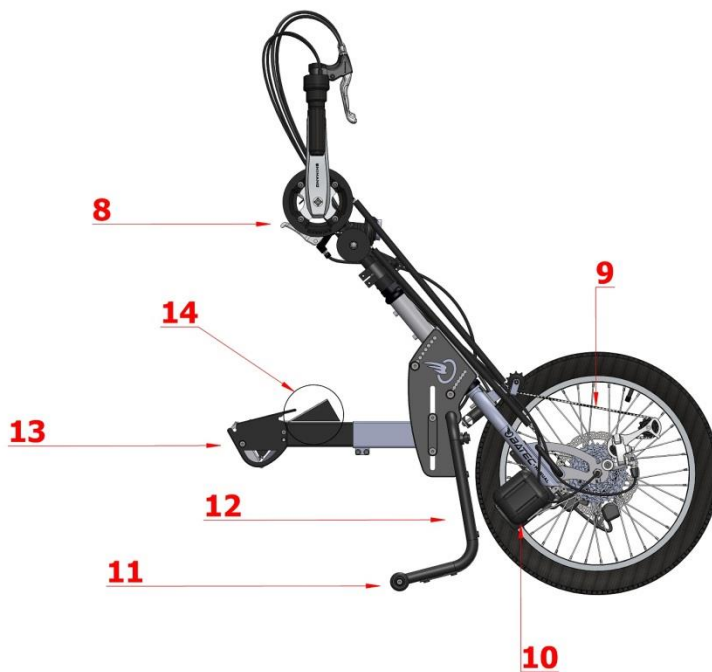
3.3.1. BATEC MANUAL Specifications

- Material: 7005 Aluminium
- Tyres: 20" ultra-grip Maxxis (54-406)
- Rims: 20" aluminium double-wall
- Gear shifter: 24-gear Sram Dual Drive (3 hub gears + 8 sprocket gears)
- Brakes: Shimano 180 mm dual mechanical disc brakes with Shimano Deore levers
- Headset: 1.1/8 FSA Orbit MX
- Crank arms: 170 mm Shimano aluminium
- BATEC EASY-FIT regulation system (Pat. Pend.)
- BATEC EASY-FIX fast anchor system (Pat. Pend.)
- BATEC SAFE-FEET stand frame (Pat. Pend.)
- Front light with 7 LEDs and 4 functions
- Rear light with 2 LEDs and 2 functions
- Cycle computer with LCD screen and 8 functions
- Bottle holder standard
- Removable QR weights for improved traction
- Weight: 14.7 kg (+ 5 kg weights)

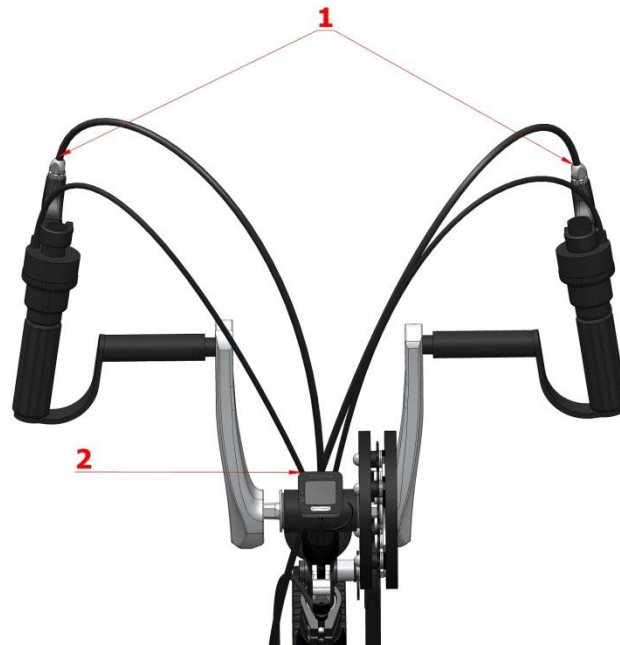
3.3.2. Parts of the BATEC MANUAL



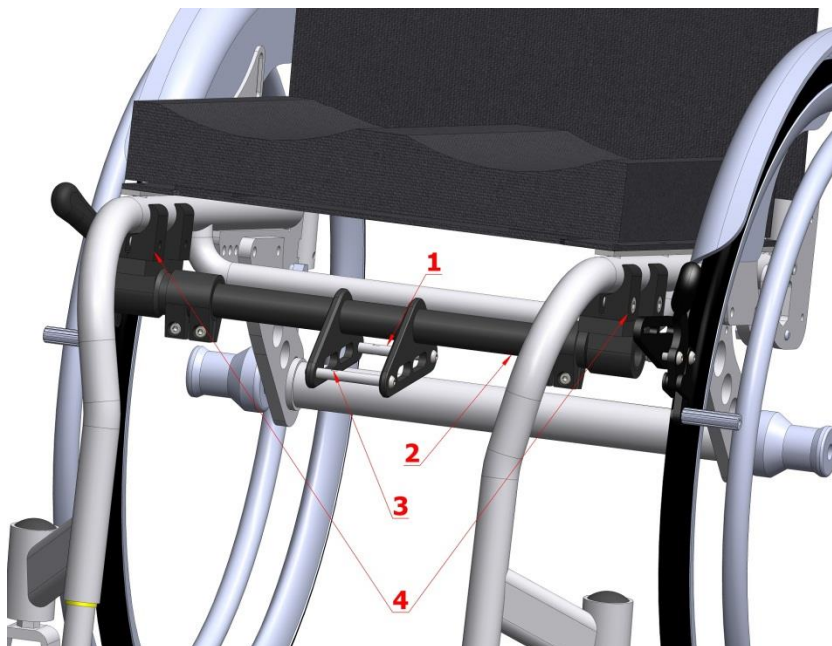
1. Tyre
2. Crank arms
3. SAFE-FEET stand frame
4. Weights
5. Brake calipers
6. Disc brake
7. Rim



8. Anchor lever
9. Chain
10. Weights
11. Rear wheels
12. Feet protection
13. Anchoring bar
14. Detaching ramp

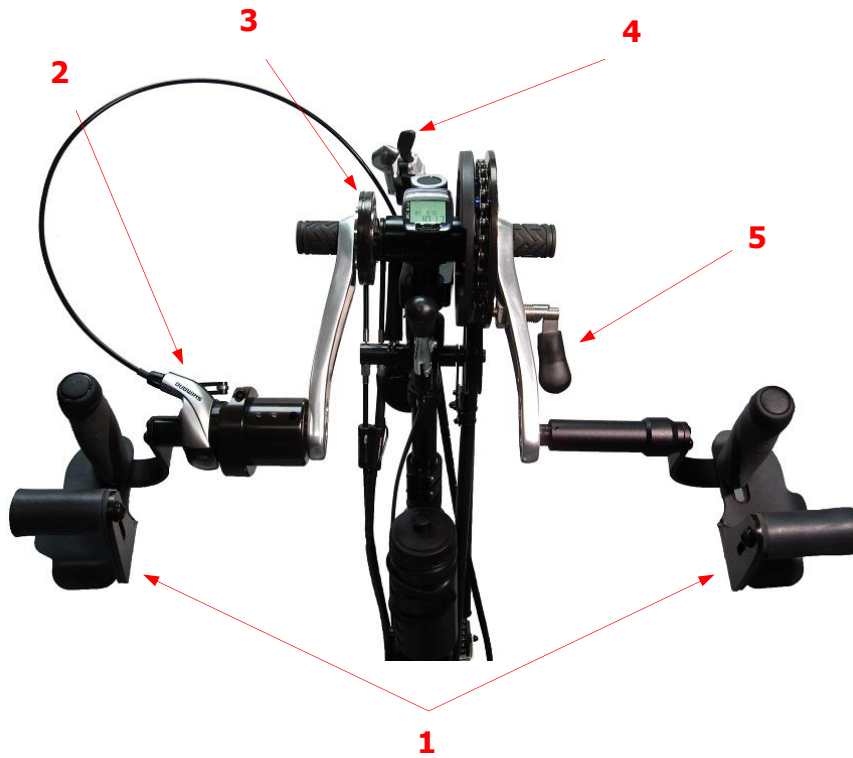


1. Brake levers
2. Cycle computer



1. Rear axle of the BATEC DOCKING-BAR
2. BATEC DOCKING-BAR
3. Front axle of the BATEC DOCKING-BAR
4. Clamps

3.3.3. Parts of the controls for BATEC QUAD MANUAL



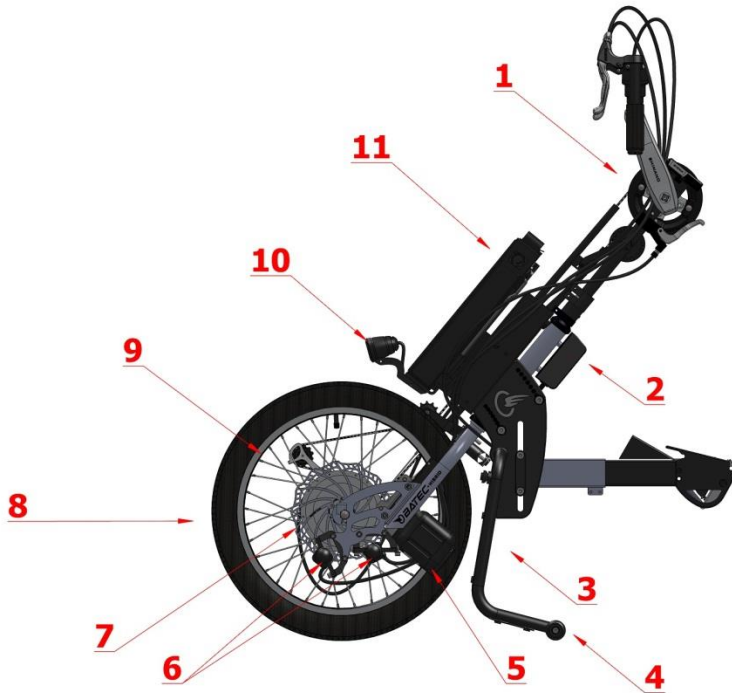
1. BATEC QUAD GRIPS
2. BATEC SHIFT LEVER
3. Back pedal brake
4. Hub gear shifter
5. BATEC MAGIC LEVER

3.4. BATEC HYBRID

3.4.1. BATEC HYBRID Specifications

- Material: Aluminium 7005 T6
- Motor: Motor: 200 RPM, 900 W brushless motor
- Battery (2 options available):
 - 280 Wh (7.8 Ah) battery with 27-40 km battery range
 - 522 Wh (14.5 Ah) battery with 50-75 km battery range
- Battery range calculated under the following conditions: 75-kg user, extra-light wheelchair, flat terrain, no wind and steady speed of 15 km/h. Range may vary $\pm 20\%$ depending on the battery. The range depends on how much effort the user puts in with the hand pedals.
- Fast charger (4 hours)
- Tyres: 20" ultra-grip Maxxis (54-406)
- Rims: 20" aluminium double-wall
- Gear shifter: 8-gear Shimano Alivio
- Brakes: Avid BB7 200 mm dual mechanical disc brakes with FR7 levers
- Crank arms: 170 mm Shimano aluminium
- BATEC EASY-FIT regulation system (Pat. Pend.)
- BATEC EASY-FIX fast anchor system (Pat. Pend.)
- BATEC SAFE-FEET stand frame (Pat. Pend.)
- Front LED light - 900 lumens, runs off main battery
- Two rear LED lights on the stand frame
- Display panel with battery gauge and speed regulator
- Cycle computer with LCD screen and 8 functions
- Two USB ports to charge a smartphone or tablet
- Removable QR weights for improved traction
- Weight: 20.6 kg (+ battery + 5 kg weights)

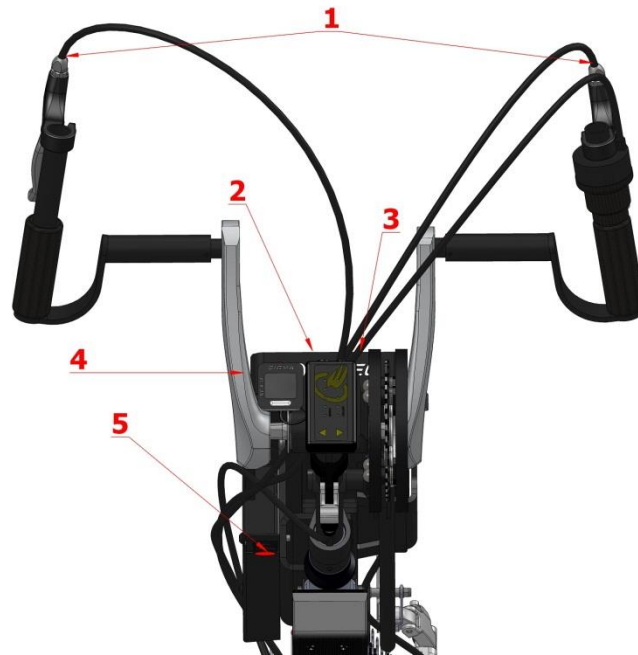
3.4.2. Parts of the BATEC HYBRID



1. Crank arms
2. Main control panel
3. BATEC SAFE-FEET stand frame
4. Rear lights
5. Weights
6. Brake calipers
7. Disc brake
8. Tyre
9. Rim
10. Front light



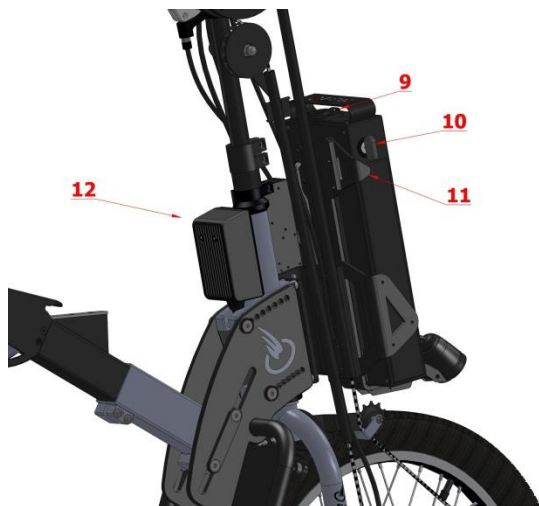
12. Anchor lever
13. Chain
14. Deraillieur
15. Motor
16. Weight
17. Rear wheels
18. SAFE-FEET stand frame
19. Anchoring bar
20. Detaching ramp



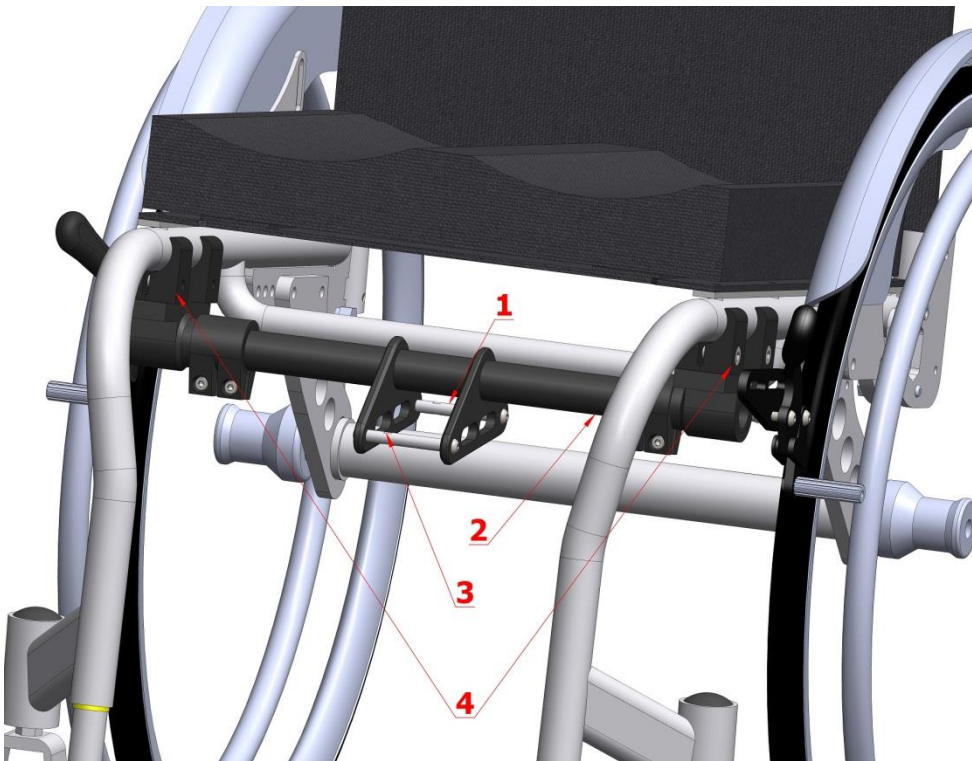
1. Brake levers
2. Display panel
3. Battery
4. Cycle computer
5. Lights switch



6. Handle
7. Charging port
8. Battery mount

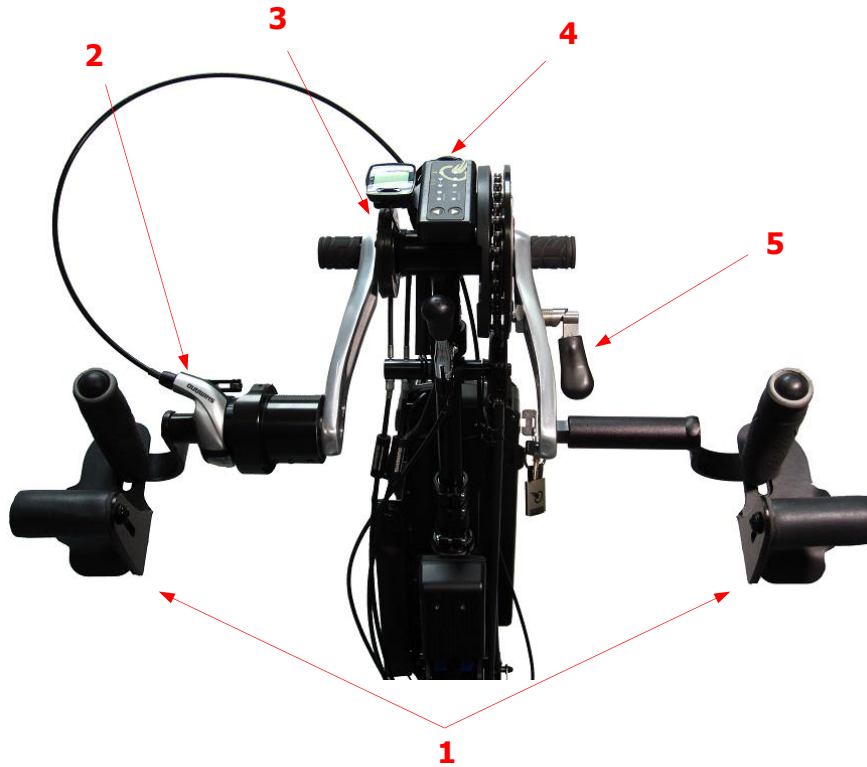


9. Two USB ports
10. Key
11. Battery mount
12. Main control panel



- 1. Bag
- 2. Charger

3.4.3. Parts of the controls for BATEC QUAD HYBRID



1. BATEC QUAD GRIPS
2. BATEC SHIFT LEVER
3. Back pedal brake
4. Display panel
5. BATEC MAGIC LEVER

4. OPERATING THE BATEC / USER GUIDE

4.1. DELIVERY

Your new Batec will be delivered in a cardboard box. In order to prevent damage during transport, parts that must be assembled later, like the battery, are packaged separately inside the cardboard box.

4.2. UNPACKING:

- Check that the outside of the cardboard box hasn't been damaged in any way during transport.
- Remove all of the packing materials.
- Remove the parts of the Batec (including the battery and charger) from the cardboard box and check that they are all there.
- Check that all the parts are in proper conditions, without any sort of damage, scratches, tears, dents, irregularities or other defects.
- If you find any problems, or if any pieces are missing, notify the authorised distributor immediately.

4.3. LIFTING AND TRANSPORT:

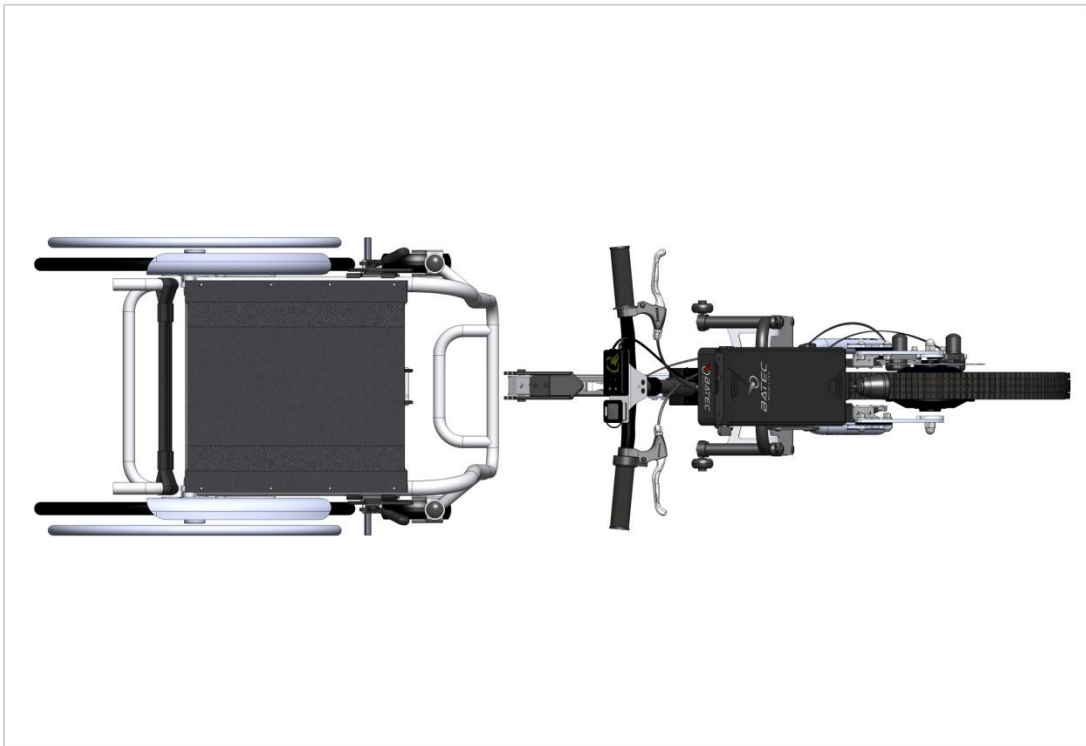
The Batec has been designed so that users can easily remove and detach the battery on their own.

- When taking the Batec on any means of transport (car, bus, train, plane, etc.), we recommend removing the battery before your journey: turn the battery key to OPEN, remove the key and then remove the battery.
- When lifting the Batec, we recommend removing the weight as indicated in section 3.10 and the battery as per section 4.9.1.
- When transporting the Batec in the boot of a vehicle, we recommend leaving it attached to a wheelchair whenever possible.

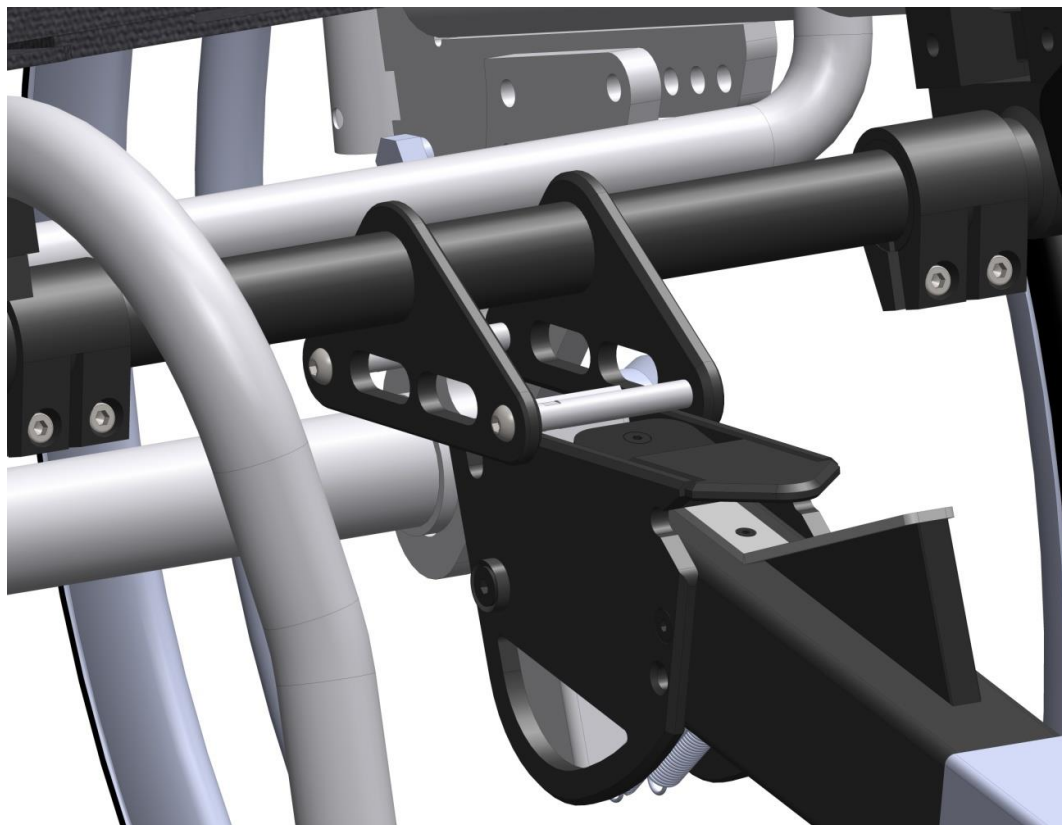
The Batec is not designed to be used as a means of transport inside a vehicle.

4.4. ATTACHING THE BATEC:

- Step 1: Get in front of the Batec, with the handlebar centred in front of the wheelchair, with the brake on.



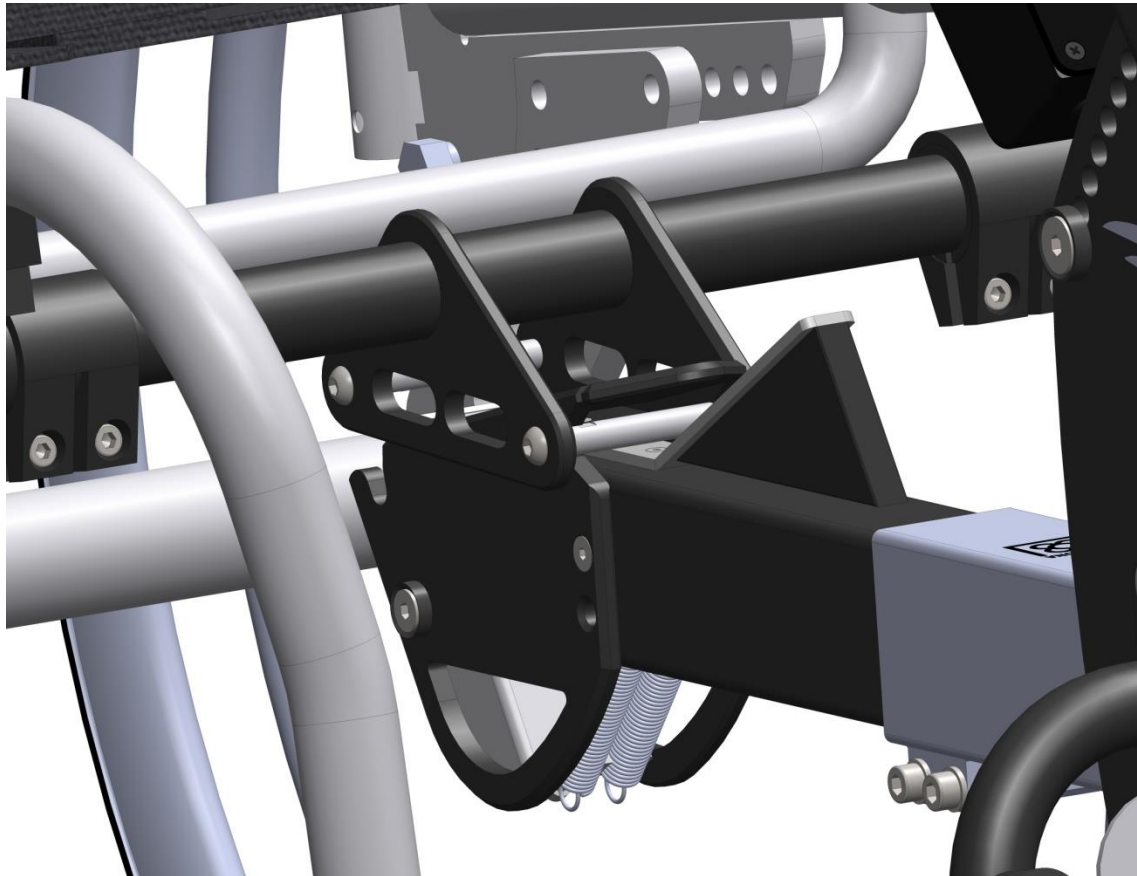
- Step 2: Grab the Batec by the handlebar and pull it towards you, rolling the frame stand until the detaching ramp on the anchoring bar touches the front axle of the bar on the wheelchair.



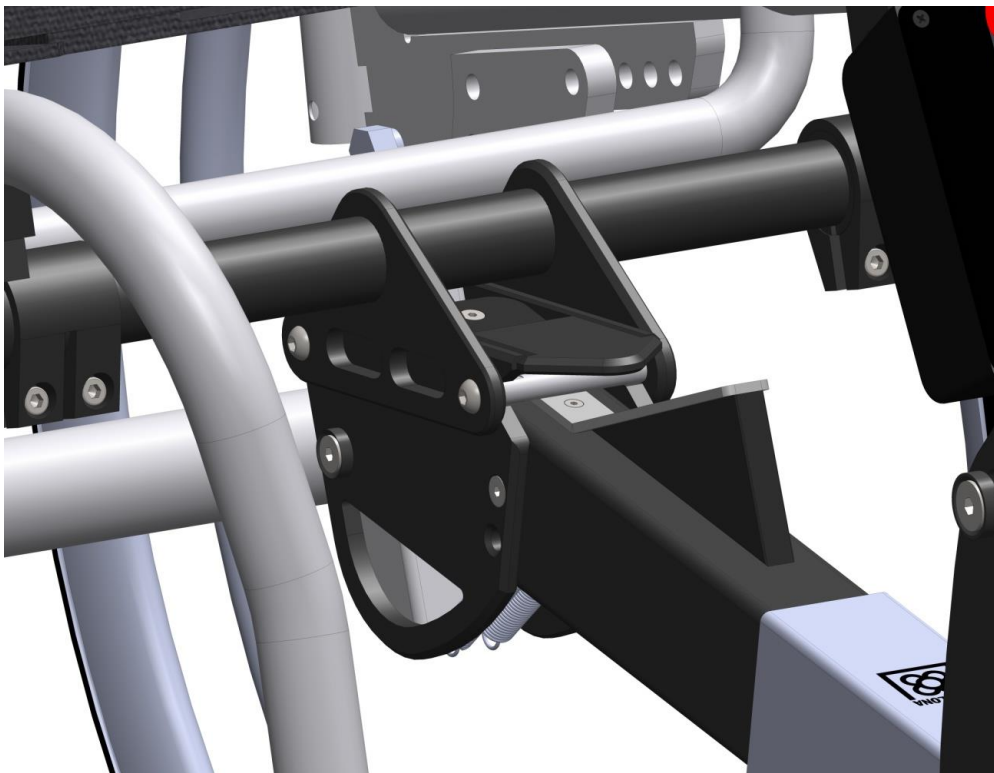
- Step 3: Tip the handlebar, lifting the front wheel, while pulling the Batec towards you. When the detaching ramp has passed the front axle of the bar on the wheelchair, let go of the handlebar and put the front wheel back on the ground.



- Step 4: Take off the brake on the wheelchair and push gently on the Batec handlebar to make sure the front axle is securely in place.



- Step 5: Push the handle until it clicks, so that both the wheels on the Batec stand frame and the front wheels on the wheelchair are off the ground. Your Batec is now attached.



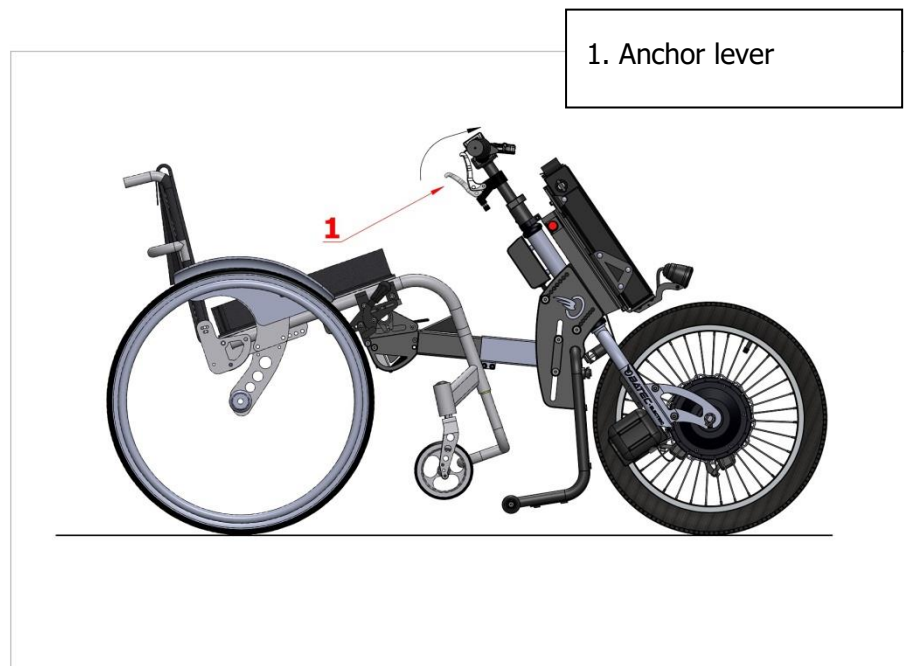
4.5. DETACHING THE BATEC:

- Step 1: Make sure your Batec is switched off.



1. Turn on (ON)
2. Turn off and remove key with detaching lock (OFF)
3. Detach battery (OPEN)

- Step 2: Push the anchor lever forward with the palm of your hand until you feel it come free. Don't let go of the lever and set the Batec on the ground. Advice: lean your torso back to take weight off the lever. This will make it much easier to detach the Batec.



- Step 3: Tilt the handlebar, lifting the front wheel, while you push the Batec away from you.



- Step 4: When the detaching ramp has gone over the front axle of the wheelchair bar, let go of the handlebar and set the front wheel down again. Your Batec is now detached.



Advice!

Practice attaching and detaching your Batec calmly and you'll see that, in just a few weeks of use, it will become automatic.

4.6. USING THE BATEC MINI / ELECTRIC 2 / SCRAMBLER CONTROLS

- Turn on: Turn the key on the right side of the battery clockwise to the ON position. It will do a system check: don't start using your Batec until it has finished with the system check and all the lights are on.
- Turn off: Turn the key on the battery anti-clockwise to the OFF position. If you leave it in the OPEN position, your Batec will be off and the battery will be ready to remove.



1. Turn on (ON)
2. Turn off and remove key with detaching lock (OFF)
3. Remove battery (OPEN)

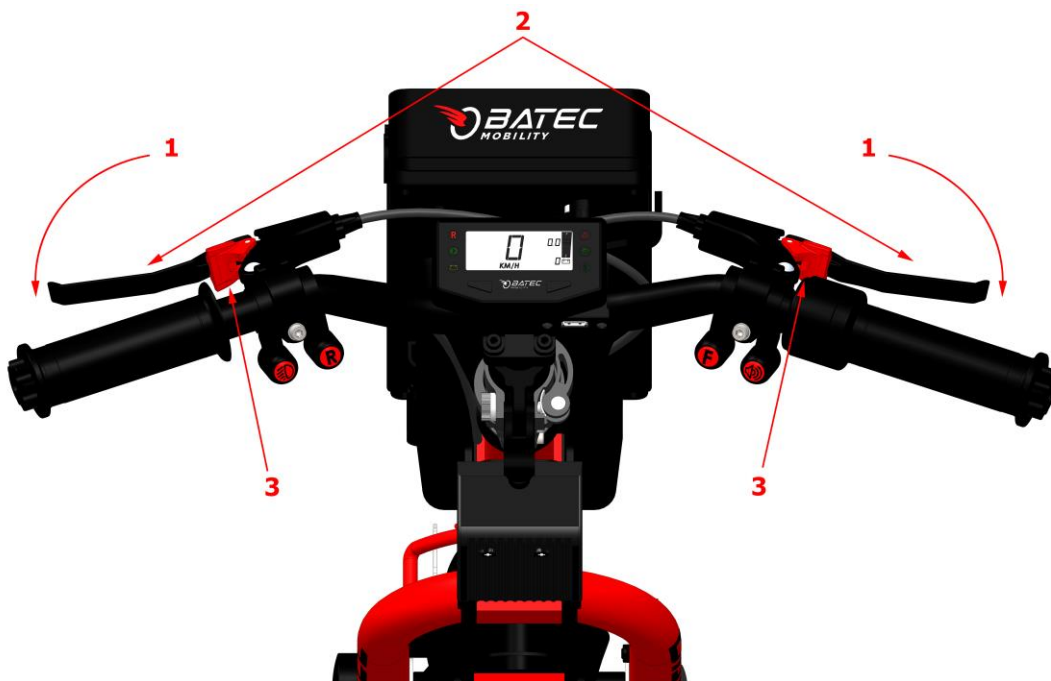
- Speed up: The throttle is on the right grip on the handlebar.
It works just like a motorbike, meaning you can regulate your speed by turning the throttle on the grip.



1. Twist throttle

2. Accelerate

- Brake: The Batec has two brake levers on the handlebar that activate the disc brakes. Squeeze the lever to activate the brakes. Advice: Use one hand to accelerate and the other to brake. Advice: Always keep two fingers on the brake lever in order to respond quickly. Pressing on the brake lever and the red lever at the same time blocks the brake lever, acting as a parking brake.



1. Braking
2. Brake lever
3. Parking brake

- Moving forwards and backwards and limiting speed:



Press the F button to move forwards.

Press it again to select the 3 speed limits, successively.



Press the R button to move backwards.

This is only possible if the Batec is stopped and the throttle not engaged.



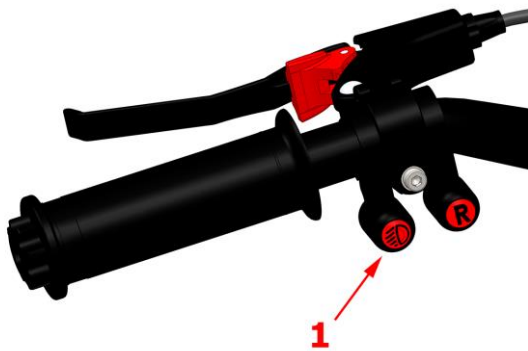
BATEC MINI

1. Position 1: 6 km/h
2. Position 2: 15 km/h
3. Position 3: 20 km/h
4. Reverse gear
5. Low-battery indicator

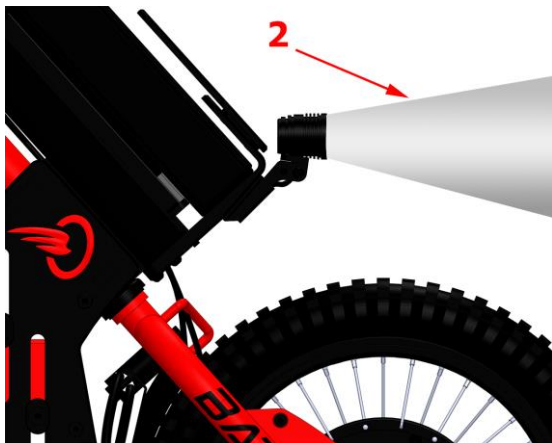
The speed can be limited to suit the user and/or comply with local regulations applicable to this sort of product. For more information, please check with your local dealer.



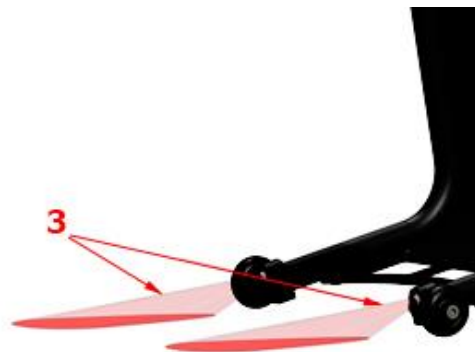
Lights: There is a button on the Batec handlebar to switch on the front and rear lights. When you push the button, the front light will go on in normal mode and the light indicator on the display panel will turn green. When you push the front light button again, it changes to high-beam mode, and so on. To turn off the lights, hold the button down for 2 seconds. The front light is below the battery and the two rear lights, on either side of the stand frame.



1. Lights switch



2. Lights on



3. Rear lights

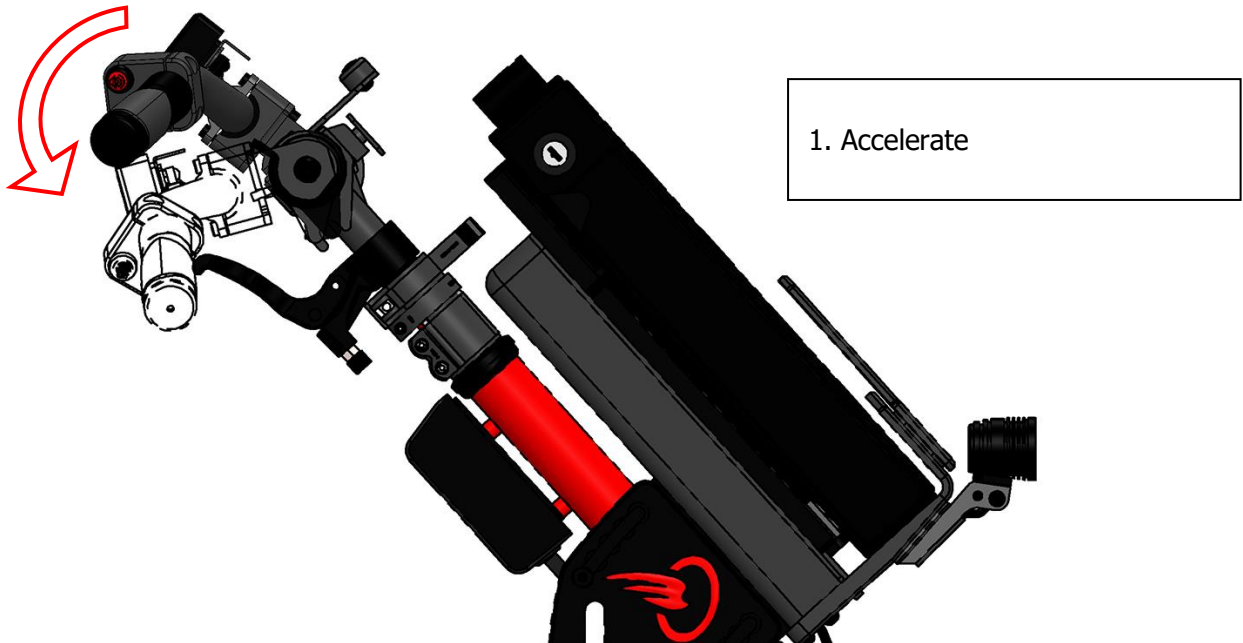
4.7. USING THE BATEC QUAD MINI / ELECTRIC 2 / SCRAMBLER CONTROLS

- Turn on: Turn the key on the right side of the battery clockwise to the ON position. It will do a system check: don't start using your Batec until it has finished with the system check and all the lights are on.
- Turn off: Turn the key on the battery anti-clockwise to the OFF position. If you leave it in the OPEN position, your Batec will be off and the battery will be ready to remove.

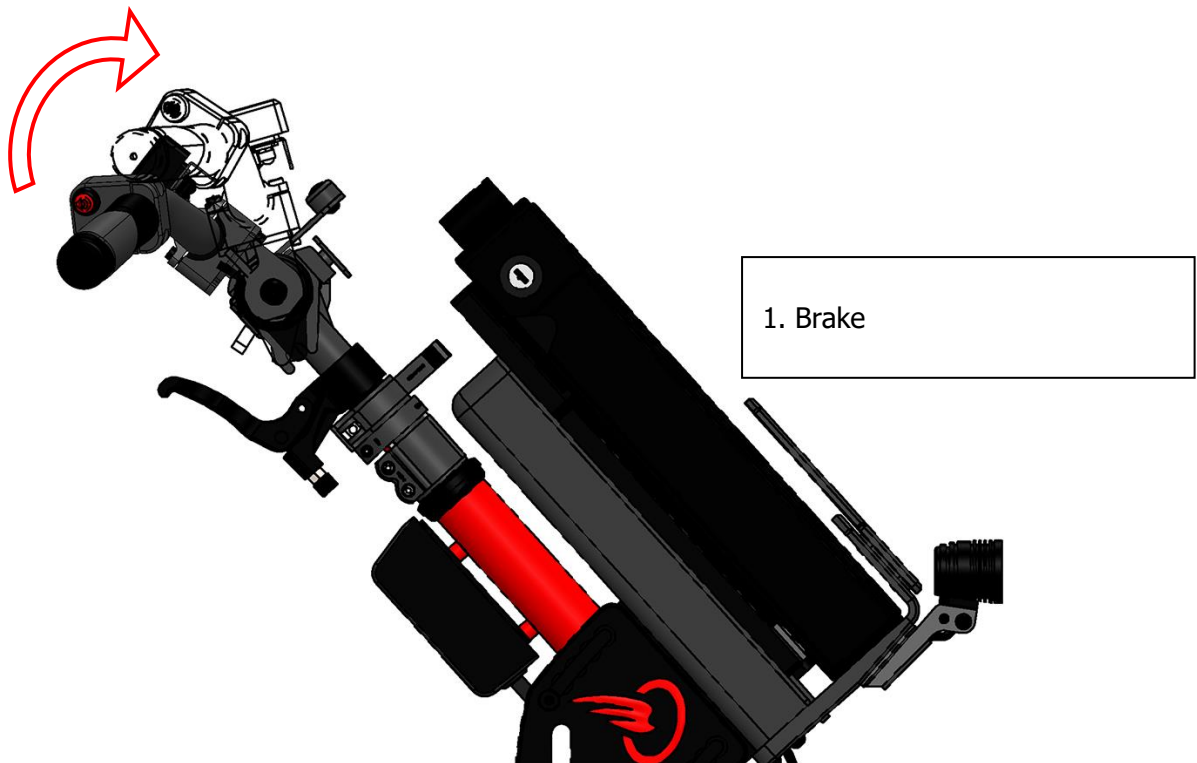


1. Encender (ON)
2. Apagar y quitar la llave con bloqueo de desacople (OFF)
3. Desacoplar la batería (OPEN)

- Speed up: Pull the BATEC QUAD MINI handlebar towards you to activate the throttle.



- Brake: Push the BATEC QUAD MINI handlebar away from you to activate the brake.



- Moving forwards and backwards and limiting speed:



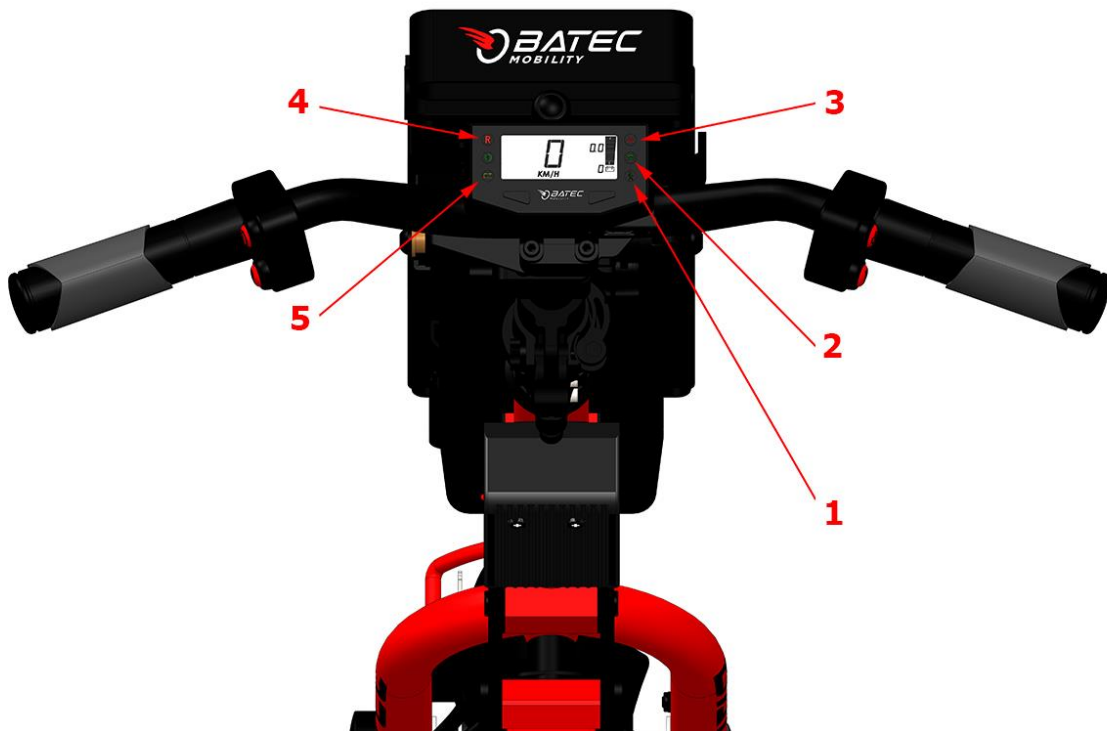
Press the F button to move forwards.

Press it again to select the 3 speed limits, successively.



Press the R button to move backwards.


This is only possible if the Batec is stopped and the throttle not engaged.



BATEC MINI

1. Position 1: 6 km/h
2. Position 2: 15 km/h
3. Position 3: 20 km/h
4. Reverse gear
5. Low-battery indicator

The speed can be limited to suit the user and/or comply with local regulations applicable to this sort of product. For more information, please check with your local dealer.

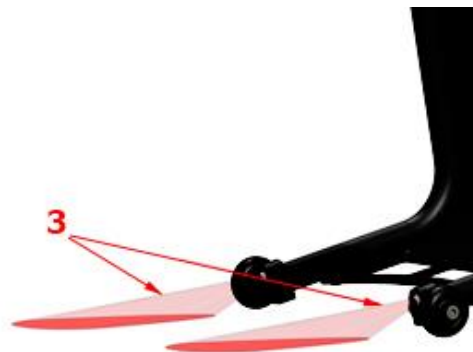
 Lights: There is a button on the Batec handlebar to switch on the front and rear lights. When you push the button, the front light will go on in normal mode and the light indicator on the display panel will turn green. When you push the front light button again, it changes to high-beam mode, and so on. To turn off the lights, hold the button down for 2 seconds. The front light is below the battery and the two rear lights, on either side of the stand frame.



1. Lights switch



2. Lights on



3. Rear lights

4.8. OPERATING THE BATEC MINI / ELECTRIC 2 / SCRAMBLER HEMI CONTROLS

- Turn on: Turn the key on the right side of the battery clockwise to the ON position. It will do a system check: don't start using your Batec until it has finished with the system check and all the lights are on.
- Turn off: Turn the key on the battery anti-clockwise to the OFF position. If you leave it in the OPEN position, your Batec will be off and the battery will be ready to remove.



1. Turn on (ON)
2. Turn off and remove key with detaching lock (OFF)
3. Remove battery (OPEN)

- Speed up: The throttle is on the right or left grip on the handlebar.



1. Twist throttle
2. Accelerate

- Brake: Pressing on the brake lever and the red lever at the same time blocks the brake lever, acting as a parking brake.



1. Braking
2. Brake lever
3. Parking brake

Moving forwards and backwards and limiting speed:



Press the F button to move forwards.

Press it again to select the 3 speed limits, successively.



Press the R button to move backwards.

This is only possible if the Batec is stopped and the throttle not engaged.

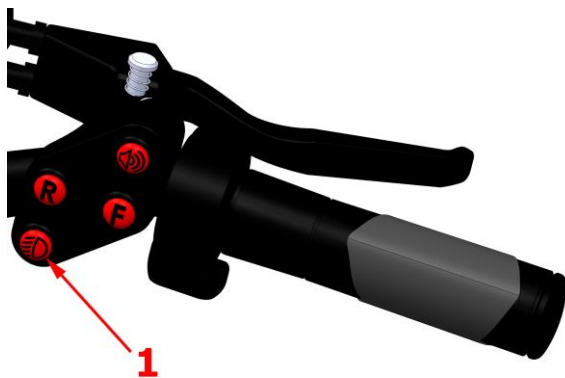


BATEC MINI

1. Position 1: 10 km/h
2. Position 2: 15 km/h
3. Position 3: 20 km/h
4. Reverse gear
5. Low-battery indicator

The speed can be limited to suit the user and/or comply with local regulations applicable to this sort of product. For more information, please check with your local dealer.

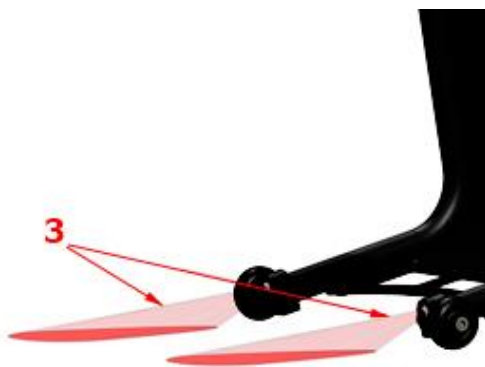
- Lights: There is a button on the Batec handlebar to switch on the front and rear lights. When you push the button, the front light will go on in normal mode and the light indicator on the display panel will turn green. When you push the front light button again, it changes to high-beam mode, and so on. To turn off the lights, hold the button down for 2 seconds. The front light is below the battery and the two rear lights, on either side of the stand frame.



1. Lights button



2. Lights on



3. Rear lights

4.9. OPERATING THE BATEC ELECTRIC CONTROLS

- Turn on: Turn the key on the right side of the battery clockwise to the ON position. It will do a system check: don't start using your Batec until it has finished with the system check and all the lights are on.
- Turn off: Turn the key on the battery anti-clockwise to the OFF position. If you leave it in the OPEN position, your Batec will be off and the battery will be ready to remove.



1. Turn on (ON)
2. Turn off and remove key with detaching lock (OFF)
3. Remove battery (OPEN)

- Accelerate: The twist throttle is located on the right grip of the handlebar. It works just like a motorbike, meaning you can regulate your speed by turning the throttle on the grip.



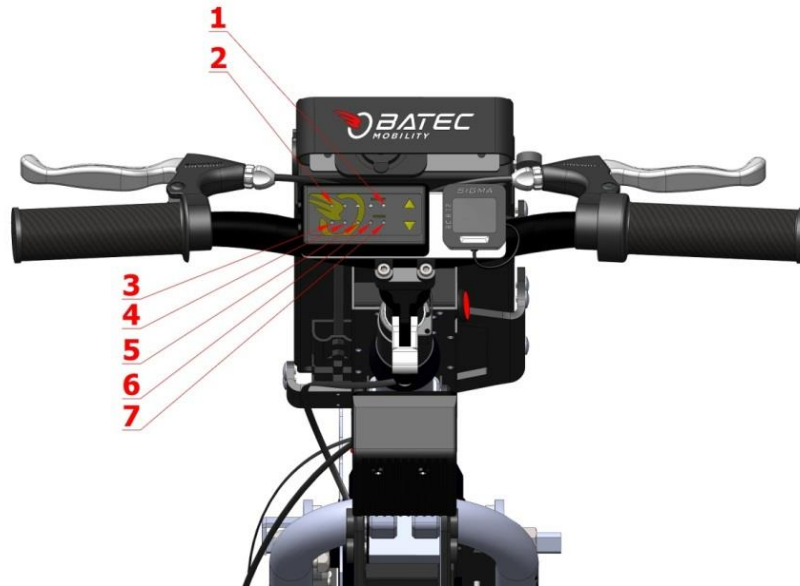
1. Twist throttle
2. Accelerate

- Brake: The Batec has two brake levers on the handlebar that activate the disc brakes. Squeeze the lever to activate the brakes. Advice: Use one hand to accelerate and the other to brake. Advice: Always keep two fingers on the brake lever in order to respond quickly.



1. Braking
2. Brake lever

- Speed limiter: The Batec has five speed levels. Use the buttons on the display panel to limit the maximum speed.



BATEC ELECTRIC

1. Battery fully charged
2. Low battery
3. Position 1: 6 km/h
4. Position 2: 10 km/h
5. Position 3: 14 km/h
6. Position 4: 17 km/h
7. Position 5: 20 km/h

BATEC RAPID

1. Battery fully charged
2. Low battery
3. Position 1: 11 km/h
4. Position 2: 18 km/h
5. Position 3: 23 km/h
6. Position 4: 30 km/h
7. Position 5: 35 km/h

BATEC LIMITED 6 km/h

1. Battery fully charged
2. Low battery
3. Position 1: 6 km/h
4. Position 2: 6 km/h
5. Position 3: 6 km/h
6. Position 4: 6 km/h
7. Position 5: 6 km/h

BATEC LIMITED 10 km/h

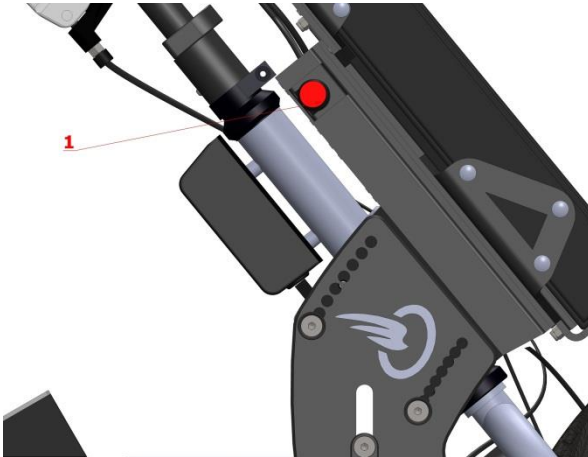
1. Battery fully charged
2. Low battery
3. Position 1: 6 km/h
4. Position 2: 10 km/h
5. Position 3: 10 km/h
6. Position 4: 10 km/h
7. Position 5: 10 km/h

BATEC LIMITED 14 km/h

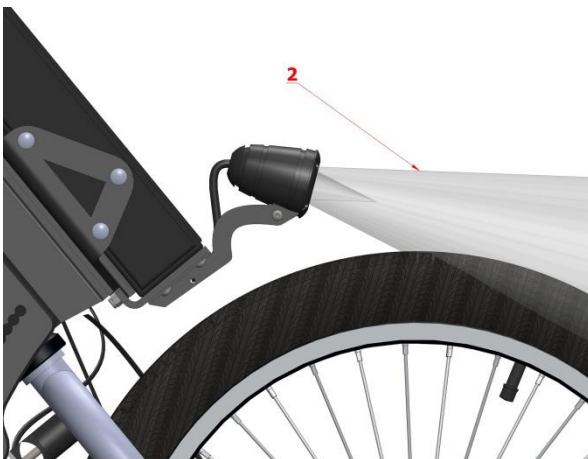
1. Battery fully charged
2. Low battery
3. Position 1: 6 km/h
4. Position 2: 10 km/h
5. Position 3: 14 km/h
6. Position 4: 14 km/h
7. Position 5: 14 km/h

The speed limiter is not available on the BATEC URBAN. Its top speed is 20 km/h and it can be set to 10 km/h by flipping a switch.

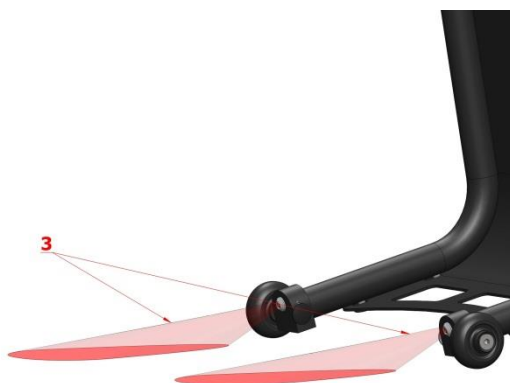
- Lights: On the right side of the Batec, there is a switch that controls the front and rear lights. When you switch them on, the switch should turn red. The front light is located under the battery and the two rear lights on the frame stand.



1. Lights switch



2. Lights on



3. Rear lights

Not available on BATEC URBAN

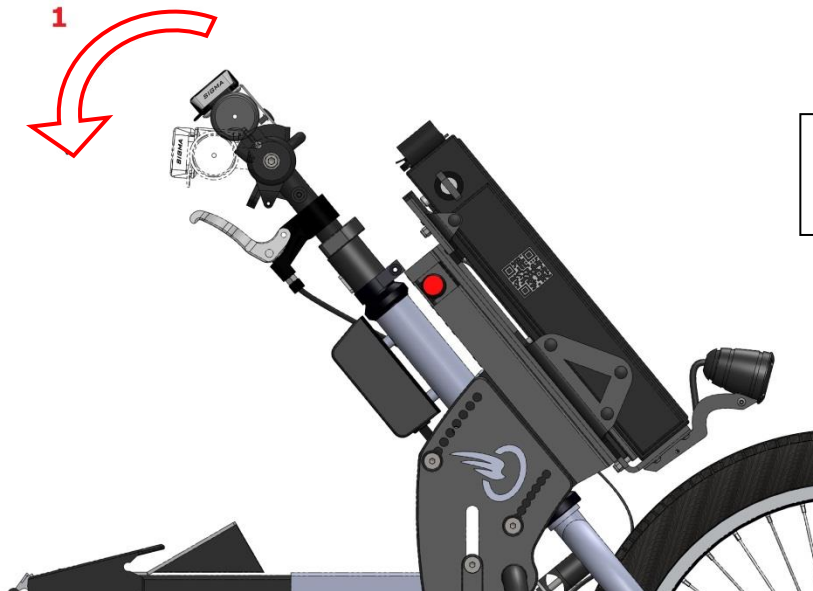
4.10. OPERATING THE BATEC QUAD ELECTRIC CONTROLS

- Turn on: Turn the key on the right side of the battery clockwise to the ON position. It will do a system check: don't start using your Batec until it has finished with the system check and all the lights are on.
- Turn off: Turn the key on the battery anti-clockwise to the OFF position. If you leave it in the OPEN position, your Batec will be off and the battery will be ready to remove.



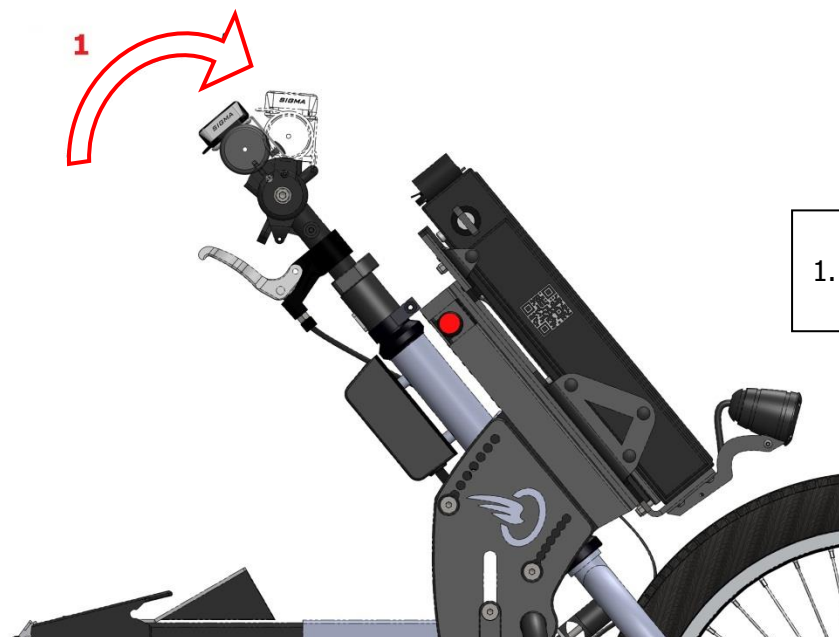
1. Turn on (ON)
2. Turn off and remove key with detaching lock (OFF)
3. Remove battery (OPEN)

- Accelerate: Pull the BATEC QUAD handlebar towards you to activate the throttle.



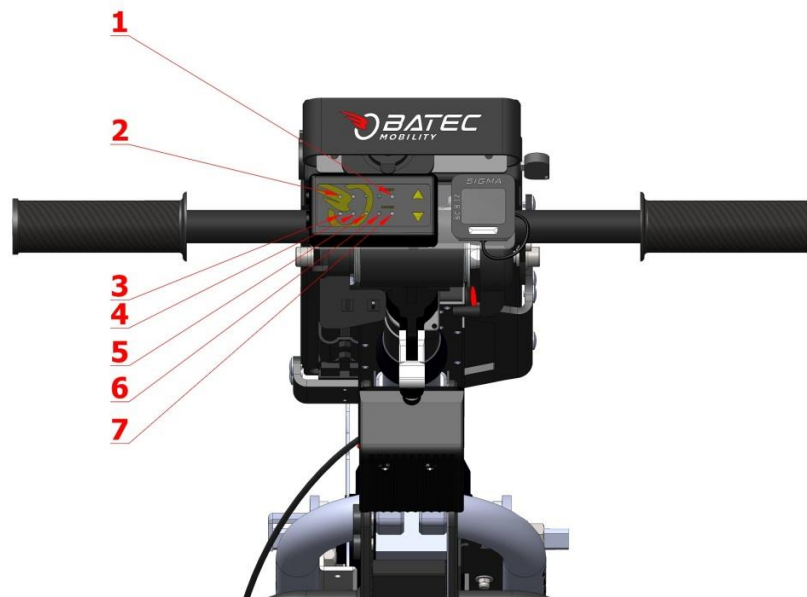
1. Accelerate

- Brake: Push the BATEC QUAD handlebar away from you to brake.



1. Brake

- Speed limiter: The Batec has five speed levels. Use the buttons on the display panel to limit the maximum speed.



BATEC QUAD ELECTRIC

1. Battery fully charged
2. Low battery
3. Position 1: 6 km/h
4. Position 2: 10 km/h
5. Position 3: 14 km/h
6. Position 4: 17 km/h
7. Position 5: 20 km/h

BATEC QUAD RAPID

1. Battery fully charged
2. Low battery
3. Position 1: 11 km/h
4. Position 2: 18 km/h
5. Position 3: 23 km/h
6. Position 4: 30 km/h
7. Position 5: 35 km/h

BATEC LIMITED 6 km/h

1. Battery fully charged
2. Low battery
3. Position 1: 6 km/h
4. Position 2: 6 km/h
5. Position 3: 6 km/h
6. Position 4: 6 km/h
7. Position 5: 6 km/h

BATEC LIMITED 10 km/h

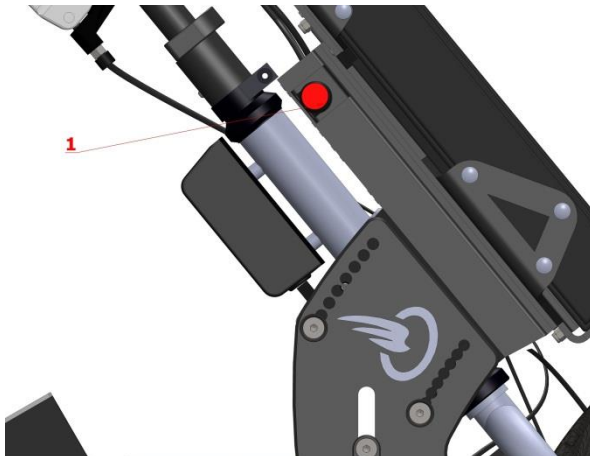
1. Battery fully charged
2. Low battery
3. Position 1: 6 km/h
4. Position 2: 10 km/h
5. Position 3: 10 km/h
6. Position 4: 10 km/h
7. Position 5: 10 km/h

BATEC LIMITED 14 km/h

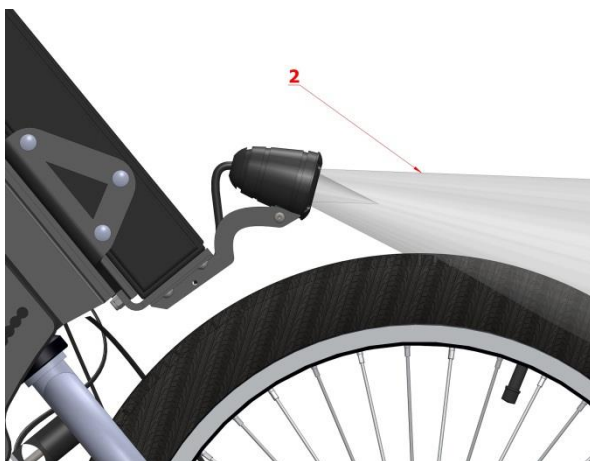
1. Battery fully charged
2. Low battery
3. Position 1: 6 km/h
4. Position 2: 10 km/h
5. Position 3: 14 km/h
6. Position 4: 14 km/h
7. Position 5: 14 km/h

The speed limiter is not available on the BATEC QUAD URBAN. Its top speed is 20 km/h and it can be set to 10 km/h by flipping a switch.

- Lights: On the right side of the Batec, there is a switch that controls the front and rear lights. When you switch them on, the switch should turn red. The front light is located under the battery and the two rear lights on the frame stand.



1. Lights switch



2. Lights on



3. Rear lights

Not available on BATEC QUAD URBAN

4.11. OPERATING THE BATEC MANUAL CONTROLS

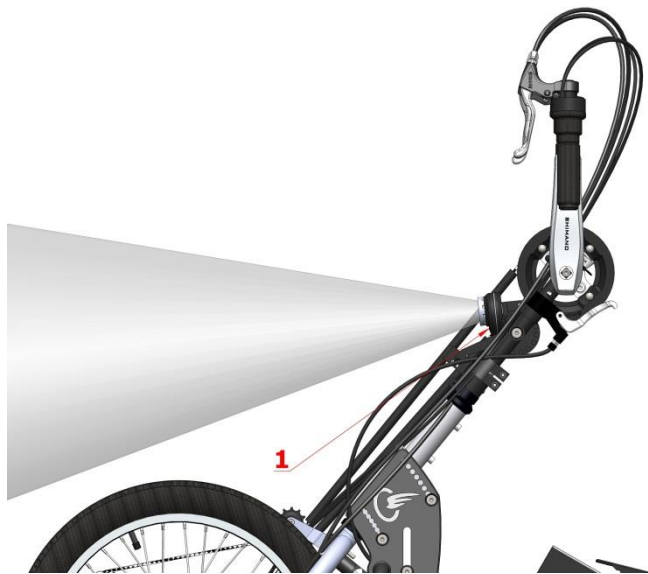
- Move: Grab the handles tightly and turn the crank arms of your Batec forward, making sure the cables are always up.



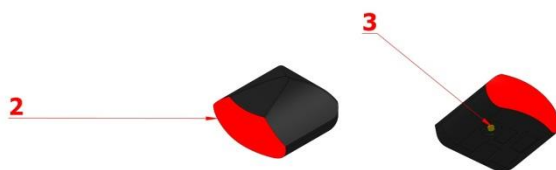
- Brake: The Batec has two brake levers on the pedals that activate the disc brakes. Squeeze the levers to activate the brakes.



- Lights: The front light is on the stem, near the pedal axle. Use the switch to turn it on and control the brightness. Your BATEC MANUAL comes with a rear light. Put it somewhere it can be seen clearly on the back of your wheelchair. Use the button to turn it on and control the brightness.



1. Front light switch



2. Rear light

3. Switch

4.12. USING THE BATEC QUAD MANUAL CONTROLS

4.11.1. BATEC QUAD GRIPS of BATEC QUAD MANUAL

User adjustments

1. Adjust to wrist vertically. Tighten screw to 20 Nm.



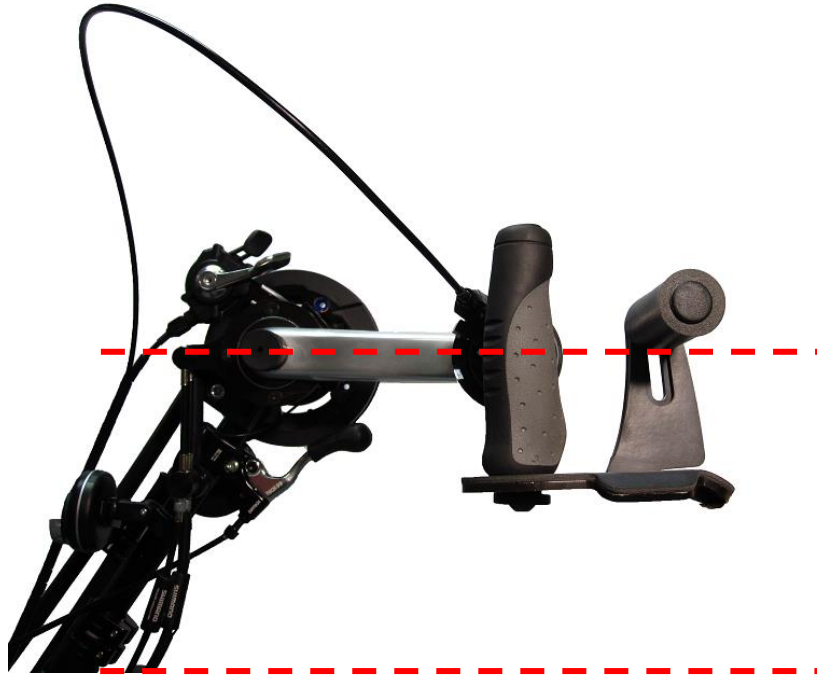
2. Adjust to wrist horizontally. Tighten screw to 20 Nm.



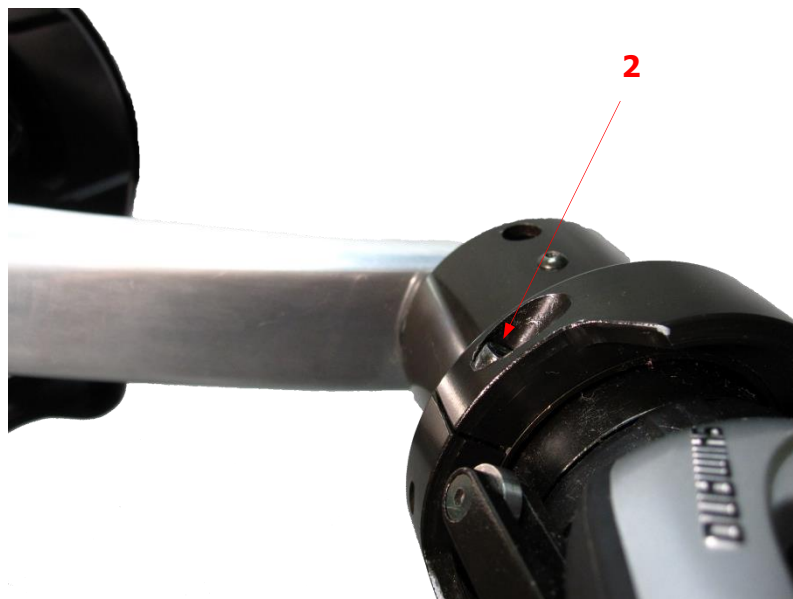
4.12.2. BATEC SHIFT LEVER of BATEC QUAD MANUAL

User adjustments

1. Push the pedal to find the point where maximum pressure inwards is required – normally when crank arm is parallel to the ground.



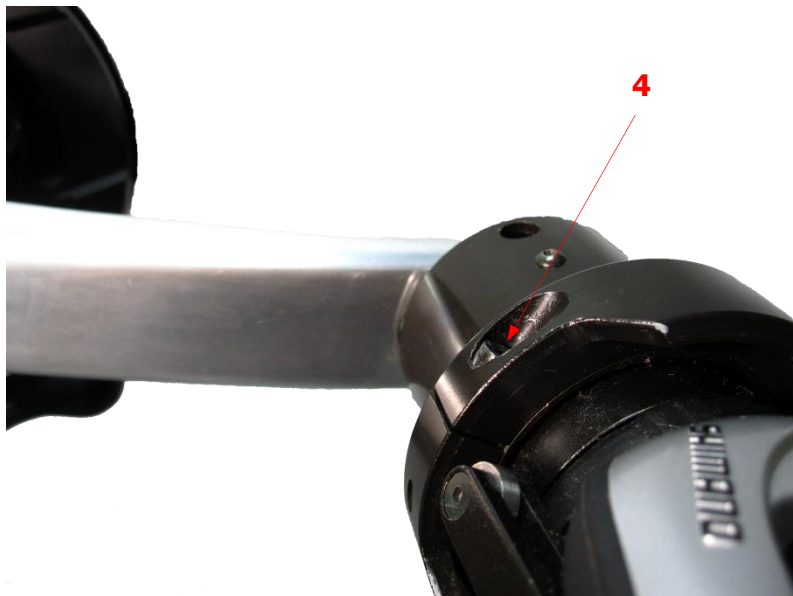
2. Loosen the screw on the crank ring.



3. Put your hand on the grip and line up the slot on the crank ring with the centre of the crank arm.



4. Tighten the screw on the crank ring to 2 Nm.



Use

1. Push in with the left hand.



2. Twist away from you for lower gears.
3. Twist towards you for higher gears.



4.12.3. BATEC QUAD MANUAL back pedal brake

Use

1. Turn the pedal backwards to brake.



4.12.4. BATEC QUAD MANUAL MAGIC LEVER

Use

1. Put the MAGIC LEVER in position **B** for normal use of the Batec.



2. Put the MAGIC LEVER in position **A** to prevent the front wheel from braking when the Batec moves backwards.



4.13. OPERATING BATEC HYBRID CONTROLS

- Turn on: Turn the key on the right side of the battery clockwise to the ON position. It will do a system check: don't start using your Batec until it has finished with the system check and all the lights are on.
- Turn off: Turn the key on the battery anti-clockwise to the OFF position. If you leave it in the OPEN position, your Batec will be off and the battery will be ready to remove.

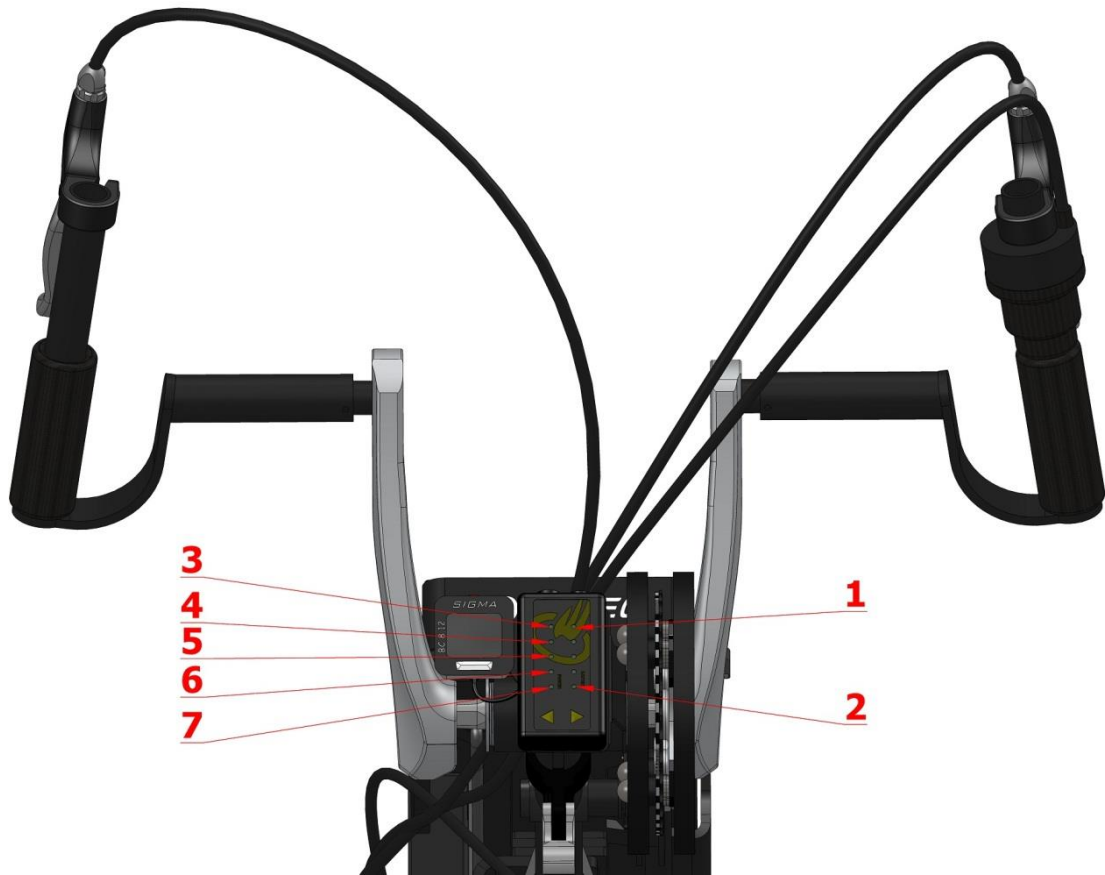


1. Turn on (ON)
2. Turn off and remove key with detaching lock (OFF)
3. Remove battery (OPEN)

- Move: Grab the handles tightly and turn the crank arms of your Batec forward, making sure the cables are always up. When you have turned the pedals approximately $\frac{1}{4}$ of a turn, the sensor on the pedal axle will activate the electric motor. Use the display panel to select the speed from the five positions available.



1. Move



1. Low battery

2. Battery fully charged

3. Position 1: 6 km/h

4. Position 2: 10 km/h

5. Position 3: 14 km/h

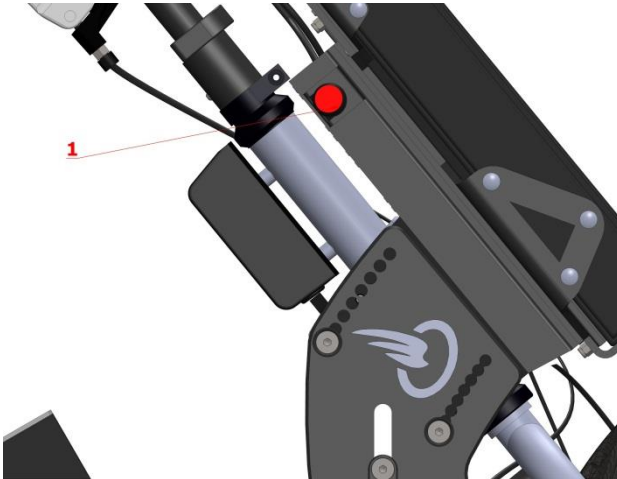
6. Position 4: 17 km/h

7. Position 5: 20 km/h

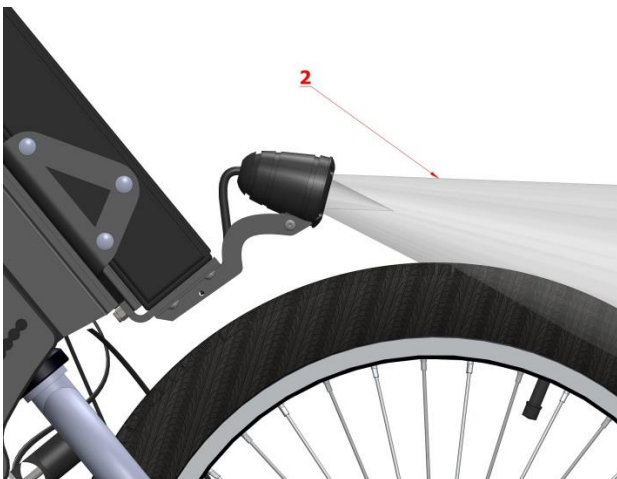
- Brake: The Batec has two brake levers on the pedals that activate the disc brakes. Squeeze the levers to activate the brakes.



- Lights: On the right side of the Batec, there is a switch that controls the front and rear lights. When you switch them on, the switch should turn red. The front light is located under the battery and the two rear lights on the frame stand.



1. Lights switch



2. Light on



3. Rear lights

4.14. USING BATEC QUAD HYBRID CONTROLS

4.14.1. BATEC QUAD GRIPS of BATEC QUAD HYBRID

User adjustments

1. Adjust to wrist vertically. Tighten screw to 20 Nm.



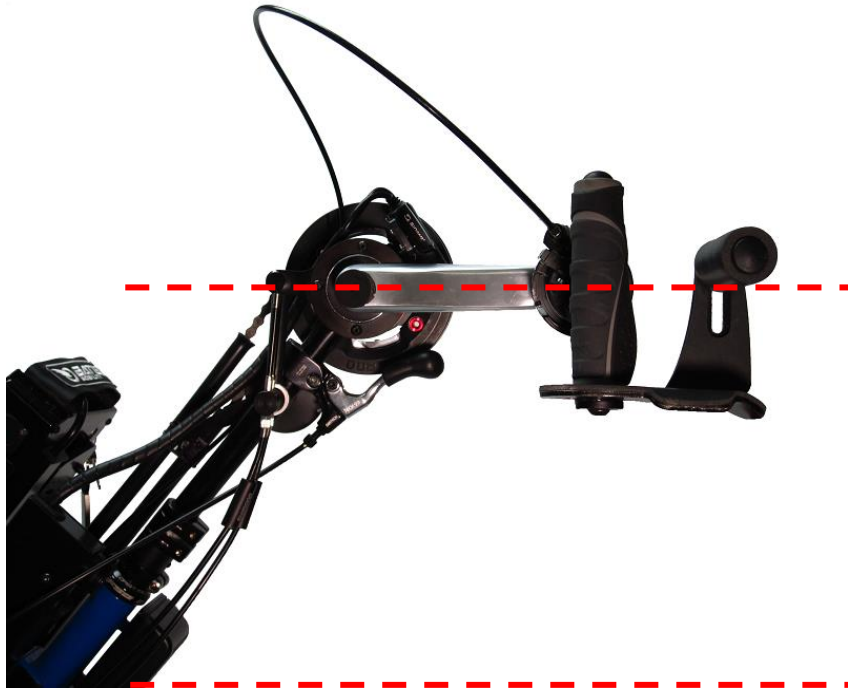
2. Adjust to wrist horizontally. Tighten screw to 20 Nm.



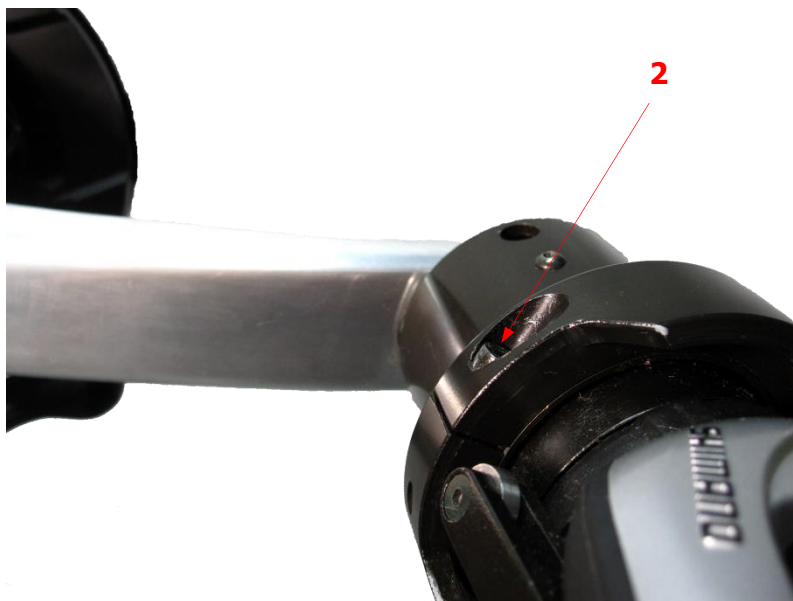
4.14.2. BATEC SHIFT LEVER of BATEC QUAD HYBRID

User adjustments

1. Push the pedal to find the point where maximum pressure inwards is required – normally when crank arm is parallel to the ground.



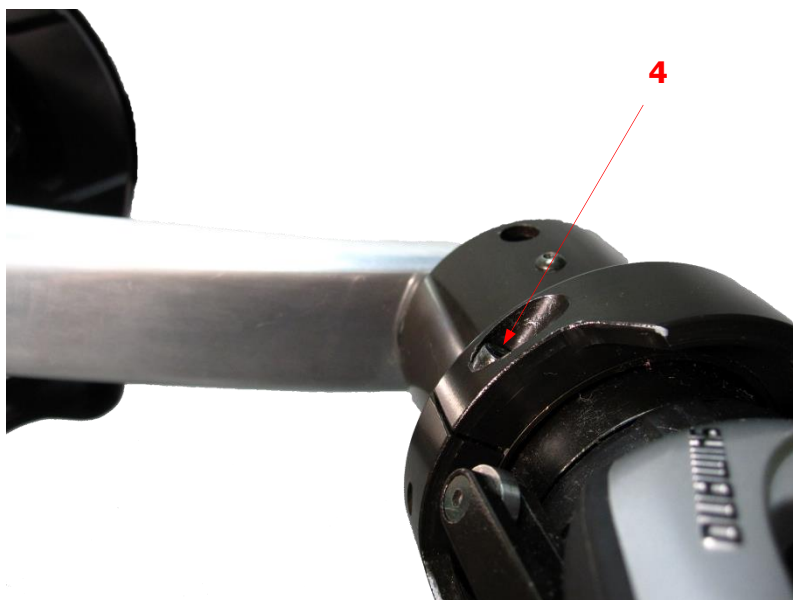
2. Loosen the screw on the crank ring.



3. Put your hand on the grip and line up the slot on the crank ring with the centre of the crank arm.



4. Tighten the screw on the crank ring to 2 Nm.



Use

1. Push in with the left hand.



2. Twist away from you for lower gears.

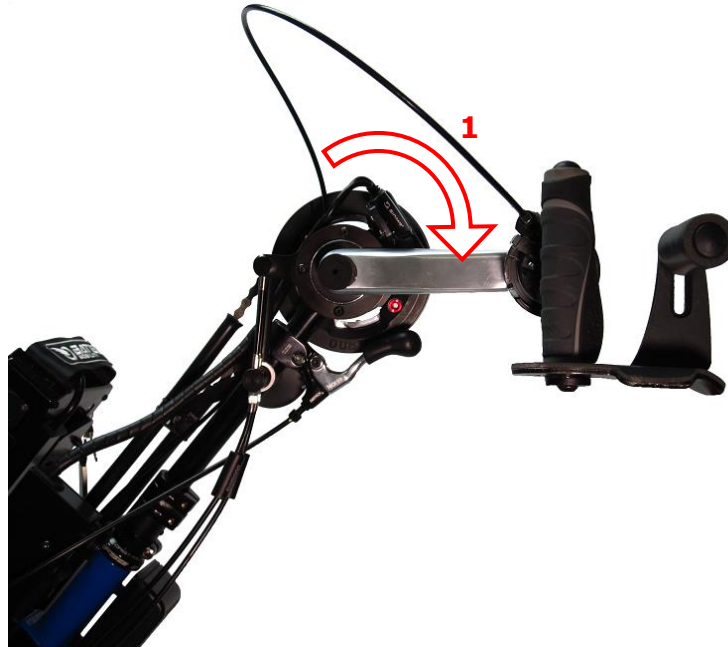
3. Twist towards you for higher gears.



4.14.3. BATEC QUAD HYBRID back pedal brake

Use

1. Turn the pedal backwards to brake.



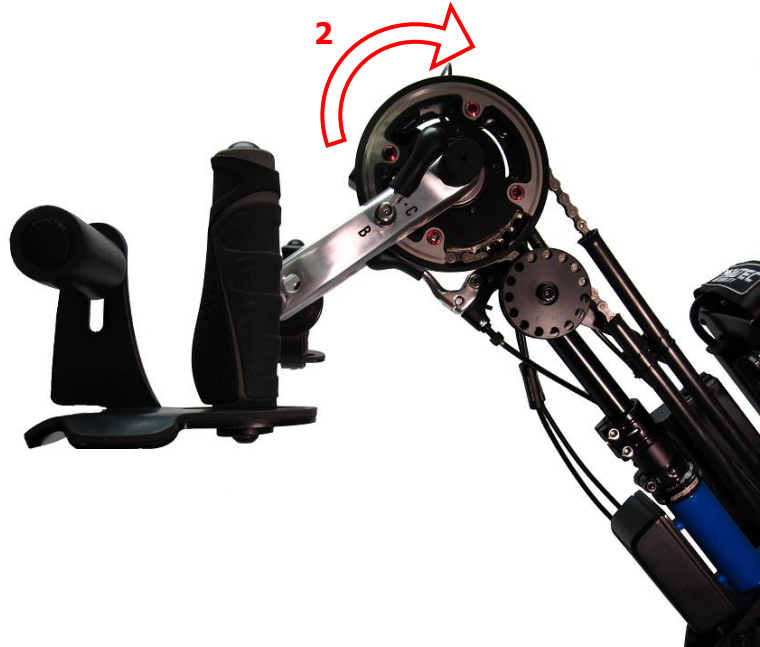
4.14.4. BATEC QUAD HYBRID MAGIC LEVER

Use as ELECTRIC

1. Put the MAGIC LEVER in position A.



2. Turn the pedal forwards.

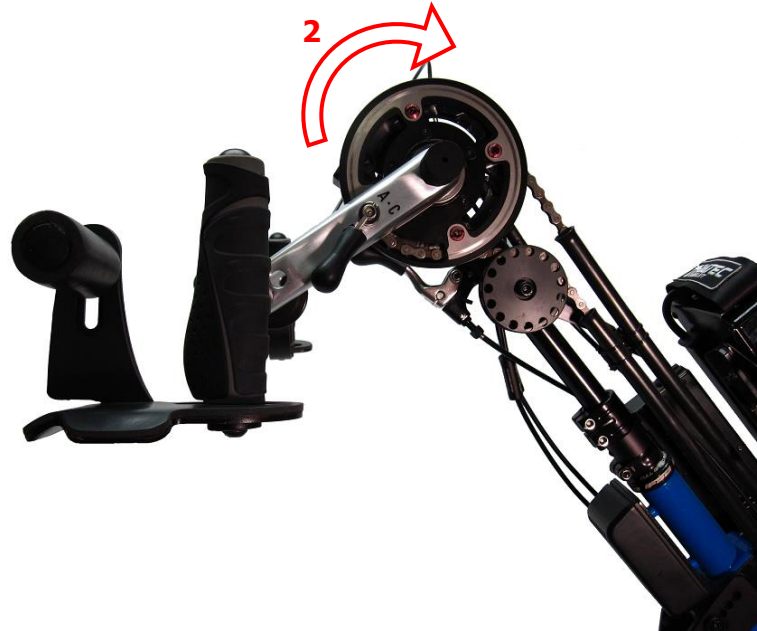


Use as HYBRID– (MANUAL + ELECTRIC)

1. Put the MAGIC LEVER in position B.



2. Turn the pedal forwards.



3. If you can't start, use **ASSISTED STARTING MODE**.

1. Hold the MAGIC LEVER in position C.



2. Turn the pedal forwards 1/16 of a rotation.



3. Release the MAGIC LEVER.



4. Turn the pedal forwards and the Batec will start in **ELECTRIC** mode.



5. Once the pedal has completed a full turn, the Batec will automatically go into **HYBRID** mode.



4.15. BATTERY

Batec Mobility offers 2 36-V lithium-ion batteries: 280 Wh and 522 Wh, respectively. Each without memory effect and with a cable-free connection system.

THE 280 WH BATTERY COMPLIES WITH IATA-DGR REGULATIONS for air travel with batteries in mobility-aid devices.



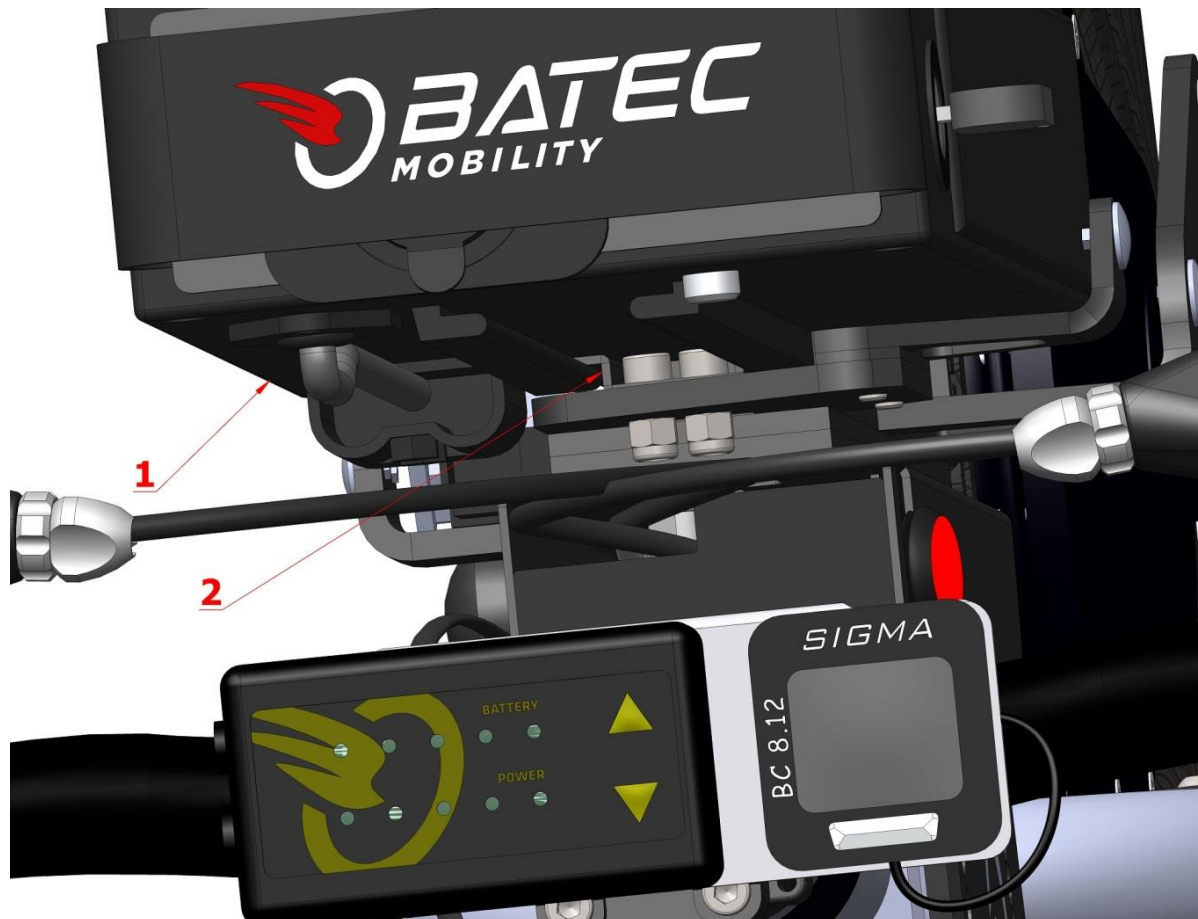
Lithium batteries have many advantages over other batteries, mainly due to their flexibility. They don't have to be completely charged every time they are used, nor do they have to be used continuously or fully drained each time.

Batec Mobility only uses batteries with the safest technology available, including the BMS smart battery management system.

4.15.1 BASIC BATTERY USE

Inserting and removing the Batec battery

You don't need to touch any connectors to insert or remove the battery from your Batec, as this is done automatically.



1. Battery
2. Battery guide

- To remove the battery: turn the key to the REMOVE BATTERY position (OPEN). Grab the handle of the battery and pull up gently until the battery comes fully of the guide.



- To insert: Grab the battery by the handle. Set the lower right corner of the battery in the side support tab until it clicks into the guide. Slide the battery down slowly until it is resting completely in the mount.

Important!

If you leave the battery in the OFF AND REMOVE KEY WITH DETACHING LOCK position (OFF), you won't be able to remove it.

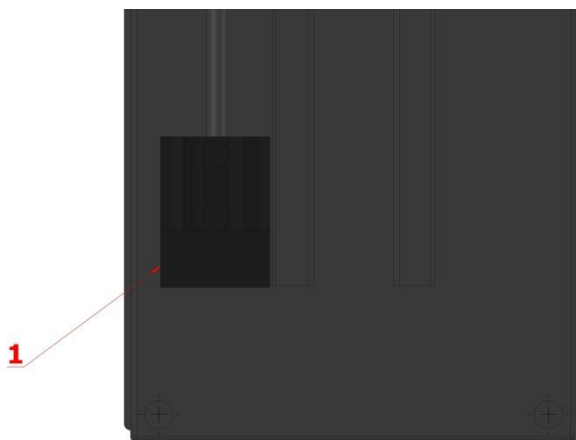
Connecting the battery:

To connect the Batec battery, simply turn the key to the ON position and use your Batec normally.



1. Turn on (ON)
2. Turn off and remove key with detaching lock (OFF)
3. Remove battery (OPEN)

The battery charging system is protected by the smart battery management system (BMS), which cuts power if there is a surge or if any of the battery cells are too discharged.



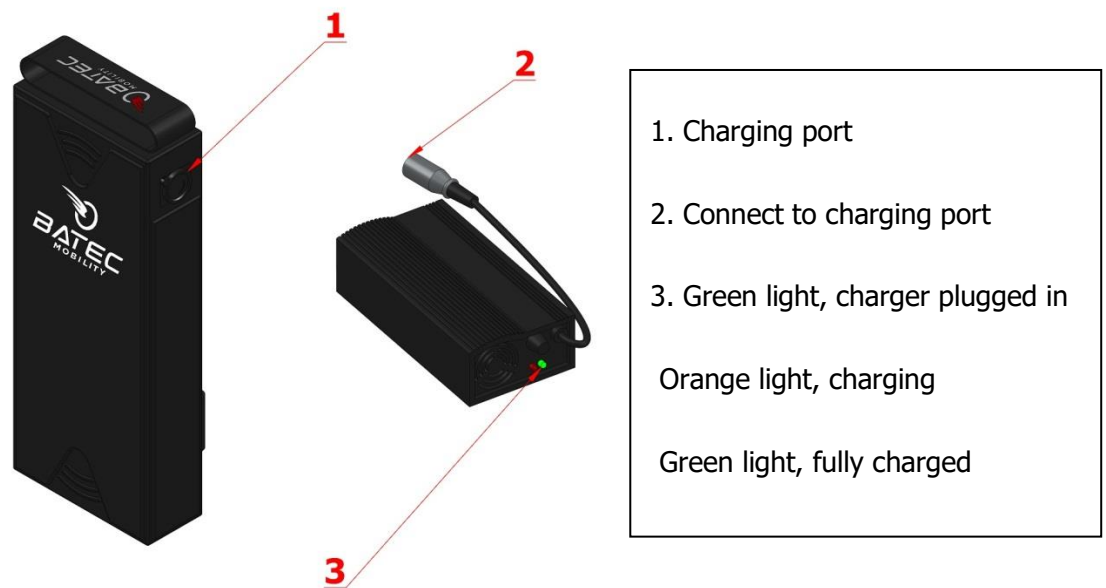
1. Discharging port

Careful!

Never, under any circumstances, use the discharging port on the battery to charge it or power it in any way, whether with an external power source or regenerative brake system.

Charging the battery:

- The Batec battery is charged with the 3-pin XLR port on the side of the battery.
- Only charge the battery with the original Batec Mobility charger provided with your Batec.



Careful!

Never, under any circumstances, use chargers from other manufacturers or a charger from another BATEC, as the specifications for each Batec series are different.

- Recharge time for the Batec Mobility battery is 3 hours. Both the charger and the battery management system cut the power when the battery is fully charged.
- Charging the battery: To charge the battery, the key must be in the OFF or OPEN position. You can charge the battery whether or not it is

attached to the Batec. Turn the cover of the charging port, plug the charger first into the port and then into a socket, then turn the charger on.

Storing the battery

Lithium batteries have a smart battery management system (BMS) that uses a small amount of power to monitor the battery at all times. The amount used is very small but if you store the battery fully discharged, in just a few weeks the BMS can run out of power.

If this happens, the battery can never be used again. As a result, we strongly recommend you follow these instructions carefully:

Careful!

- Charge the battery fully before storing it.
- Always store the battery with the key in the OFF position.
- Charge the battery fully at least every 2 months.
- If the battery doesn't work after being stored for a period of time, for your safety it must be disposed of.

4.15.2. BATTERY SAFETY INFORMATION

It is widely known that lithium batteries can be dangerous, and for good reason. Batteries used in vehicles, like those in the Batecs, have enough stored energy and potentially dangerous material to cause a significant incident if not used properly or in the case of negligence.

Batec Mobility only uses lithium battery technology it considers stable and safe.

All Batec Mobility batteries use safety systems, including the smart battery management system (BMS), which monitors the battery at all times.

In addition to all of the built-in safety systems, to minimise the danger if a problem were to arise with elements outside the battery, such as improper functioning of the electrical installations or problems with the general power grid, we strongly recommend you follow these instructions carefully:

Careful!

- Only charge the battery under supervision.
- Don't charge the battery while asleep at night.
- Charge the battery well away from any flammable objects.
- Never use the discharging port to charge the battery and vice versa, never use the charging port to discharge it.
- Only use the Batec Mobility charger provided with your Batec to charge the battery.
- Never charge the battery near a heat source.
- Never charge the battery in temperatures below 0° C.
- Always store the battery fully charged.
- Don't allow the inside of the battery to be manipulated in any way, as there is a risk of explosion and/or fire.

4.15.3. ADDITIONAL INFORMATION ON THE BATTERY

Using the battery in cold conditions

The performance of lithium batteries is limited, both in terms of power and battery life, in low temperatures (below 0° C). It isn't a dangerous situation but it is bothersome, so we recommend storing the battery inside under these circumstances. Never charge the battery in temperatures below 0° C.

Using the battery in damp conditions

The casing of the Batec Mobility battery provides good protection against rain and dampness for the cells and circuits inside. This protection is enough for the battery to withstand these conditions occasionally but regular, prolonged exposure to damp and rainy conditions may cause the battery to stop working properly. Thus, we recommend you avoid these circumstances and use the Batec as little as possible in rainy or snowy conditions.

Battery life

The life of the battery is between 200 and 500 charging cycles, and between 1 and 3 years, depending on several factors, including temperature, frequency of use, consistency of use and other individual issues (user weight, driving style, terrain, etc.).

To get the most out of your battery we recommend you:

Important!

- Drive gently at moderate speeds.
- Avoid exposure to high temperatures.
- Avoid exposure to low temperatures (below 0° C).
- Avoid leaving the battery unused for long periods of time.

The battery won't just die suddenly; it gradually begins to perform more poorly. If your battery suddenly stops working, it is normally due to a technical problem and not the end of its lifespan.

Disposing of the battery



As with all batteries, the Batec Mobility batteries must be disposed of properly. Check with your local waste-management centre. Contact Batec Mobility if you have any doubts.

4.15.4. TECHNICAL SPECIFICATIONS OF THE 280 WH BATTERY

- Dimensions: 350 x 140 x 60 mm
- Weight: 2.6 kg
- Power: 280 Wh
- Voltage: 36 V
- Maximum discharge current: 29 A
- Maximum charge current: 5 A
- Internal resistance: 200 mOhm
- BMS consumption: < 0.2 mA when on; < 0.02 mA when off
- Battery range by model:
 - BATEC URBAN / BATEC ELECTRIC: 27 km*
 - BATEC MINI: 22 km*
 - BATEC RAPID: 20 km**
 - BATEC HYBRID: 27-40 km***

4.15.5. TECHNICAL SPECIFICATIONS OF THE 522 WH BATTERY

- Dimensions: 350 x 140 x 60 mm
- Weight: 4 kg
- Power: 522 Wh
- Voltage: 36 V
- Maximum discharge current: 29 A
- Maximum charge current: 5 A
- Internal resistance: 200 mOhm
- BMS consumption: < 0.2 mA when on; < 0.02 mA when off
- Battery range by model:
 - BATEC URBAN / BATEC ELECTRIC: 50 km*
 - BATEC MINI / BATEC ELECTRIC 2 / BATEC SCRAMBLER: 40 km*
 - BATEC RAPID: 40 km**
 - BATEC HYBRID: 50-75 km***

4.15.6. SPECIFICATIONS OF THE 696 WH BATTERY

- Dimensions: 350 x 140 x 60 mm
- Weight: 4.6 kg
- Power: 696 Wh
- Battery: Panasonic PF 2.9 Ah
- Nominal voltage: 48 V
- Nominal charge: 14.5 Ah
- Maximum discharge current: 25 A
- Maximum charge current: 5 A
- Battery life for BATEC SCRAMBLER: 50 km*

*Battery range calculated under the following conditions: 75-kg user, extra-light wheelchair, flat terrain, no wind and steady speed of 15 km/h. Range may vary $\pm 20\%$ depending on the battery.

**Battery range calculated under the following conditions: 75-kg user, extra-light wheelchair, flat terrain, no wind and steady speed of 20 km/h. Range may vary $\pm 20\%$ depending on the battery.

***Battery range calculated under the following conditions: 75-kg user, extra-light wheelchair, flat terrain, no wind and steady speed of 15 km/h. Range may vary $\pm 20\%$ depending on the battery. The range depends on how much effort the user puts in with the hand pedals.

4.16. WEIGHTS

Some Batec models are equipped with standard weights to improve traction. The weights are located on the fork, one on each side. They each weigh 2.4 kg. To make it easier to transport the Batec, the weights can be removed.

- To remove the weights:
 - 1) Hold the weight with one hand, press on the red button, tilting it so the bottom part comes away from the Batec.



- 2) Remove the weight.



- To insert the weights:

- 1) Hold the weight with one hand. Tilt it slightly and insert the two tabs into the weight mount slot.



- 2) Push the bottom of the weight inward until it clicks into place.



5. INSTALLATION AND ADJUSTMENTS

5.1. INSTALLATION OF THE BATEC ON A WHEELCHAIR

To anchor a Batec to a wheelchair, you must first install a BATEC DOCKING-BAR (pat. pending). The BATEC DOCKING-BAR can be installed on most wheelchairs on the market, whether fixed or folding frame.

Important!

An updated list of wheelchairs compatible with the Batec is available in the support section of the Batec Mobility website.

The Batec must be installed on a wheelchair by a qualified professional authorised by Batec Mobility. Contact Batec Mobility to find the authorised installation professional closest to you.

5.2. USER ADJUSTMENTS

Once the Batec is properly installed on the wheelchair, there are several adjustments that must be made in order to fit the Batec to the user's level of mobility, type of disability and size.

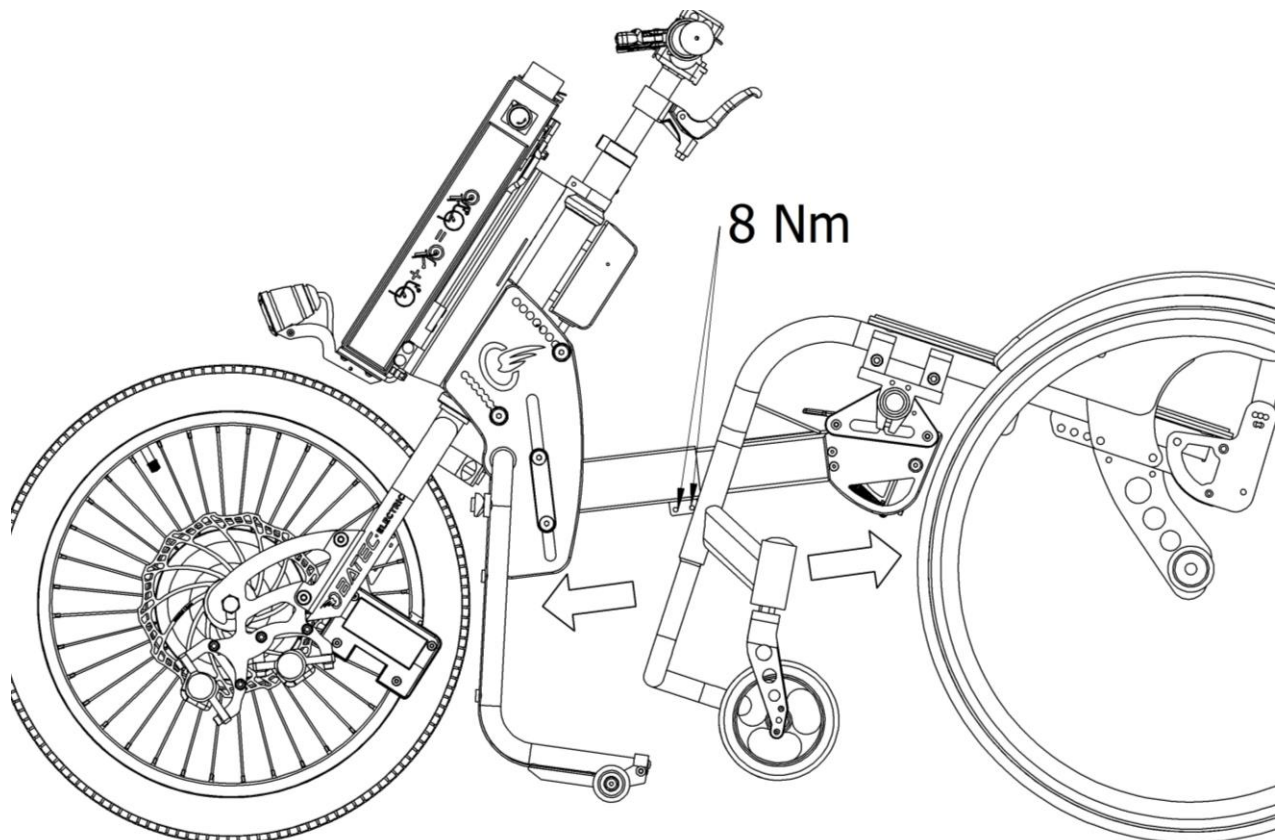
These adjustments can be done easily with the tools and instructions provided with the Batec and basic mechanical knowledge.

The following adjustments can be made:

- Adjusting the distance between the Batec and the wheelchair.
- Adjusting the angle of the stem on the Batec.
- Adjusting the height of the handlebar on the Batec.

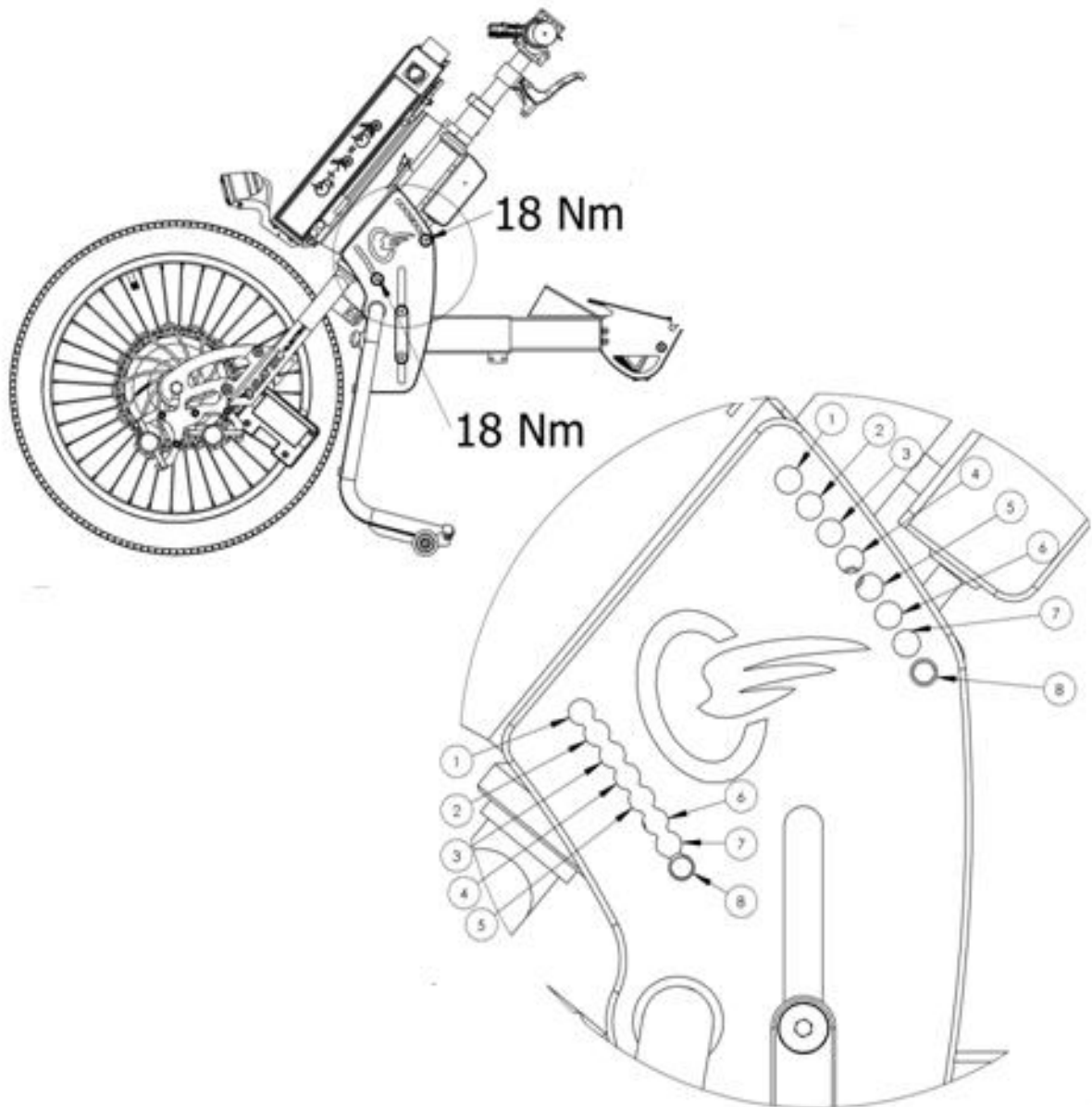
5.2.1. ADJUST THE DISTANCE BETWEEN THE BATEC AND THE CHAIR

With the Batec anchored, adjust the distance between the Batec and the wheelchair so that there is as little space as possible between the user's feet and the stand frame, using the telescopic anchoring bar and the screws indicated. If the user doesn't have any other preference or limitations, we recommend a distance of 8 cm.



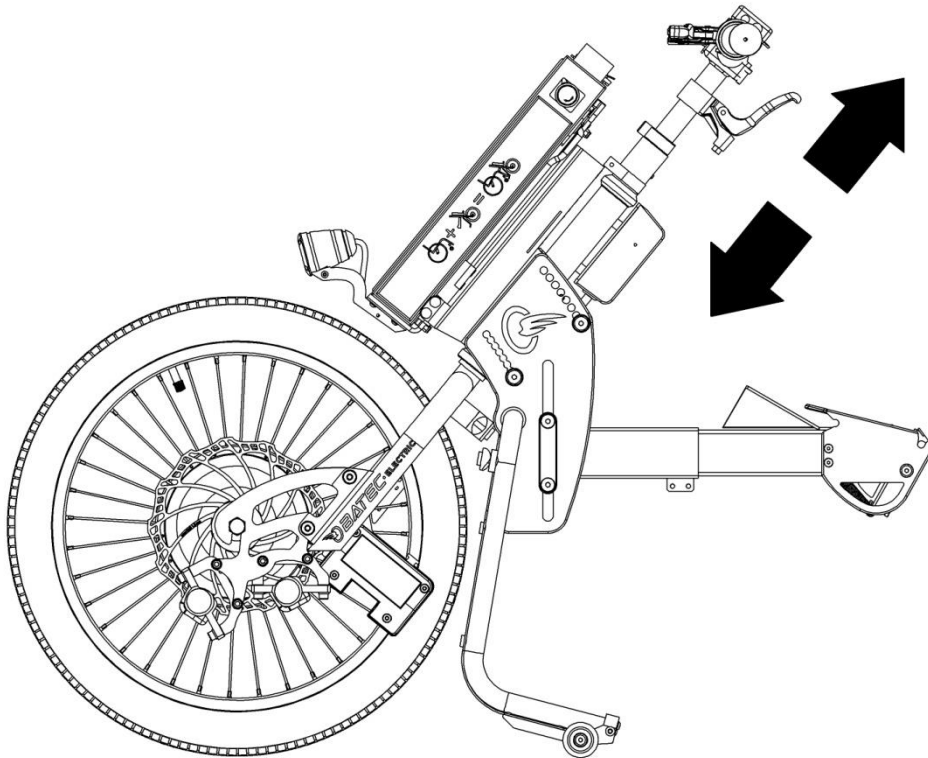
5.2.2. ADJUST STEM ANGLE

With the Batec anchored, adjust the angle of the stem on the Batec in order to fit the handlebar to the user's arm length, using the screws indicated. The upper and lower screws must be set on the same number. If the user doesn't have any other preference or limitations, we recommend position 3.



5.2.3. ADJUST STEM HEIGHT

With the Batec anchored, adjust the stem height on the Batec with the Quick Release lever.



6. MAINTENANCE AND REPAIRS

Your Batec has been carefully designed for optimal performance, but it is important that you carry out certain preventative maintenance tasks in line with the use you give your Batec. This will greatly reduce the chance of problems and increase the lifespan of your Batec.

In order to minimise the risk of accidents and/or damage to your Batec, it is very important to have all repairs carried out by an authorised Batec Mobility distributor.

Remember that your main source of information and help is the distributor that delivered your Batec, who can also respond to any questions regarding adjustments, maintenance and the warranty.

As you are a member of the "Batec Mobility Family", we encourage you to stay in touch with your Batec representative in order to make the most of the product.

We propose the follow preventative maintenance schedule:

Task	Weekly	Monthly	Quarterly	Yearly	When necessary
Check tyre pressure	•				
Clean Batec		•			
Clean front and rear wheels		•			
Tighten screws		•			
Check brakes		•			
Grease cables and chains		•			
Grease transmission system				•	
Have official mechanic/authorised distributor service the Batec				•	
Replace tyres and inner tubes					•

Checking tyre pressure:

Make sure the tyre pressure is as recommended for each model and that there are no irregularities on the surface.

Cleaning the Batec:

Clean the frame with soap and warm water. Use car soap or another non-abrasive cleaning agent. Dry it carefully. Never use a pressure washer to clean it.

Important!

Sand and salt water can damage some parts of the Batec after prolonged contact. Clean it after use in these conditions.

Cleaning front and rear wheels:

Make sure the front wheel and rear wheels turn freely and eliminate any dirt.

Tightening screws:

Make sure all the screws and connections are tight. The recommended tightness for the screws is:

- M5 screws: 5 Nm
- M6 screws: 8 Nm
- M8 screws: 18 Nm

Checking brakes:

Make sure that when you squeeze the brake levers, both have sufficient contact with the disc for effective braking.

Greasing cables and chains:

Apply a drop of grease or light coat of Teflon spray to the cable connecting levers and to chains, after removing the old grease. After applying, remove any excess grease.

Greasing the transmission mechanism:

Apply a drop of grease or light coat of Teflon spray to the transmission mechanism, after removing the old grease. After applying, remove any excess grease.

Having Batec serviced by an authorised distributor:

We recommend you make sure your Batec is in top shape with a full service by trained professionals.

Replacing tyres and inner tubes:

Before installing a new inner tube, check the base of the rim and inside wall of the tyre to remove any foreign bodies and, if necessary, clean well. Check the conditions of the rim tape, particularly around the valve hole. Only strong, properly placed rim tape can provide long-term protection against damage to the inner tube caused by burrs and sharp spoke heads.

Before inflating the inner tube, check the whole tube to make sure it hasn't got stuck between the tyre and the rim. Carefully pull on the valve and extract it for optimal installation.

Careful!

After installing the new inner tube, check tyre pressure. It is essential to keep pressure at specified levels and to make sure tyres are in proper conditions in order to ensure your personal safety and keep your Batec in proper working order.

Information!

As the necessary maintenance varies between users, check with your Batec representative to establish a periodic maintenance schedule that fits your specific use.

Important!

Always do a safety check of your Batec before using. Improper maintenance may invalidate the warranty.

7. LABEL

All Batecs have the following label:



The label is located on the bottom of the anchoring bar.

The label contains the following information:

MODEL

SERIAL NUMBER

MANUFACTURE DATE

Batec Mobility CONTACT DETAILS

CE MARK

When ordering spare parts or lodging claims, please provide the information on the label.

8. WARRANTY

8.1. WARRANTY PERIOD

Batec Mobility guarantees all hard and structural parts for a **period of two (2) years** from the date of delivery in the case of material defects or labour for the original registered owner.

Batec Mobility guarantees the BATTERY for a **period of one (1) year** from the date of delivery in the case of material defects or labour for the original registered owner. The BATTERY is considered a fungible part.

8.2. WARRANTY CONDITIONS

- Fungibles (except for the BATTERY, which has a one-year warranty) are excluded from the warranty, except in the case of premature wear on said parts caused by original manufacturing defects. These elements include tyres, inner tubes, handles, cables for brakes, gear shifter and anchoring, stand frame wheels and similar parts.
- If you have any questions regarding the warranty, Batec Mobility recommends first contacting your authorised Batec Mobility distributor, who will explain the solutions available for the problem.
- Batec Mobility shall not be held responsible for any defects that may arise as a result of improper use or storage of the Batec. If Batec Mobility considers that a part has not been properly installed, used or stored, the warranty will be invalidated. Some examples are as follows:

- The product or part hasn't been maintained according to Batec Mobility recommendations, as detailed in the user instructions and maintenance instructions.
 - Non-original accessories have been used.
 - The Batec or its parts have been damaged due to negligence, accident or improper use.
 - The Batec or its parts have been modified in a way that is not in line with Batec Mobility specifications or have undergone repairs without notifying the authorised distributor or technical service provider.
-
- Batec Mobility reserves the right, with any claim, to require the claimant to send all parts to Batec Mobility for replacement or repair at their own cost. If any of the parts are found to be defective, Batec Mobility will determine whether to replace, repair or maintain the parts.
 - This warranty doesn't include transport, shipping or labour costs for removing and reinstalling the parts. Batec Mobility will charge the claimant for any costs incurred if the parts are found not to be defective or the damage has been caused by events not covered under this warranty.
 - Defective parts will be repaired or replaced exclusively by Batec Mobility or a duly qualified official Batec Mobility service provider.
 - Batec Mobility doesn't ensure any of its products or parts will be available on the market or suitable for any particular purpose and provides no guarantee, express or implied, beyond the attached limited warranty.
 - Replacement parts installed during the original warranty period shall have an additional 2-year warranty. For the BATTERY, as it is considered a fungible part, the replacement unit shall be under warranty for the remaining warranty period on the original BATTERY, up to 1 year from the date the Batec was delivered.
 - This warranty is non-transferrable: This warranty is only valid for the original registered user, who must provide the original receipt as proof of purchase.

- Batec Mobility shall not be held responsible for any products not purchased at the recommended retail price.
- Except where prohibited by law, this limited warranty constitutes the full agreement between the owner and Batec Mobility regarding any sort of liability that may arise concerning any parts on the Batec products.

8.3. WARRANTY CARD

With the rest of the documentation for your Batec, you will find a Warranty Card with all the details regarding your Batec. You can use this card to provide all the details of your Batec if a situation arises that requires the warranty.

To get important information for Batec owners, as well as general information and news on Batec Mobility, we recommend you join the BATEC CLUB and register your Batec.