



CRYO[®] v3

USER MANUAL

FOLLOW THE INSTRUCTIONS AND ASSURE THAT YOU UNDERSTAND THE MANUAL BEFORE YOU START USING THE TROLLEY!



INDEX:

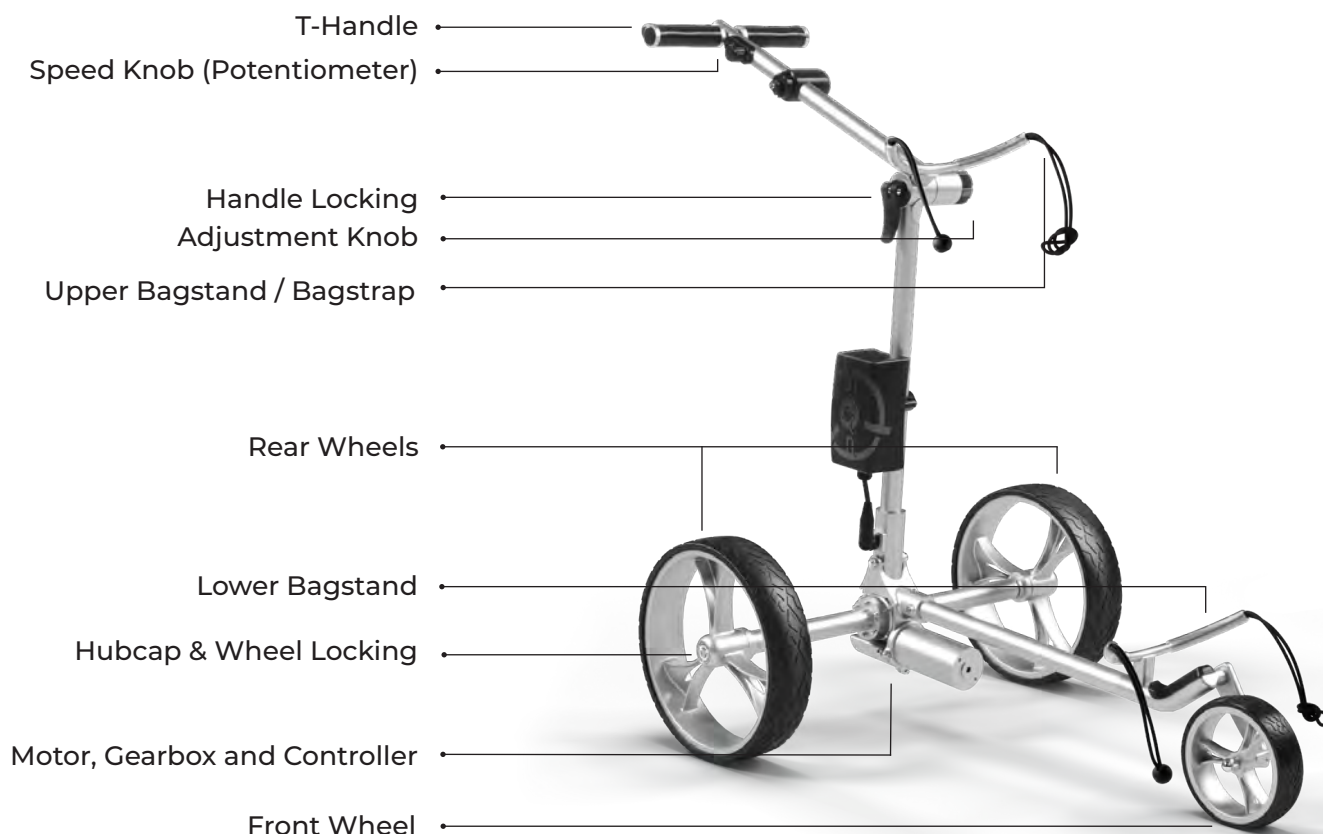
Packing List.....	3
Unfolding and Mounting....	4
Starting up.....	5
Functions..	6
Battery Care.....	7
Maintanece	8
Problem Solving.....	9
Warranty.....	10

Cryo® Golf is a Registered Trademark by Moby Dick AB

Moby Dick AB
Askims Industriväg 1 b
S-43634 ASKIM
SWEDEN

For information or support please contact us:
E-Mail: info@mobydick.se / info@cryogolf.com
Tel: +46 (0) 31 681002

PACKING LIST



Cryo 24V Lithium battery



Cryo Lithium Charger

In the Box You will find:

- 1 x Cryo® Electric Trolley
- 2 x Cryo® Rear Wheels
- 1 x Cryo® 24V 9 Ah Lithium Battery
- 1 x Cryo® 2A Charger with Level Indicator
- 1 x User Manual

1. **Unpack all components** and check that everything is included.
2. **Put the battery on charge.** First connect the charger to a wall outlet and check that it is receiving power, the red light is on. Then connect the charger to the battery. When charging, the 4 green lights will light up one by one. When the charging phase is complete, all 4 green lights will be on solid. The red light should always be on as an indication that the charger is receiving power from the mains. The battery is left on charge for cell balancing between rounds.

UNFOLDING AND MOUNTING

1. Once you have unfolded the trolley, raise the handle to a comfortable height and lock it with the excentre handle (A). Make sure the teeth lock properly and that there is no play in the lock. You can tighten the handle lock with the adjustment knob (B) before or after you have locked the excentre handle.

NOTE: Use the adjustment knob at any time to ensure the handle lock is properly tightened.

If the teeth do not lock completely, they will wear down over time.

To fold the trolley, simply loosen the excentre handle (A)

Verify that the teeth has released completely. Then push the handle down and forward.

2. The wheels are mounted with the wheel lock button pressed in until the wheel pins fit into the cart's drive crown. For best grip, the right wheel should be on the right side. The wheels are marked on the inside of the hub with "L" for left and "R" for right side.
3. The charged battery is pushed into place from the top down into the battery holder (A) on the trolley. Make sure that both rails on the battery holder (A) slide into the corresponding slots in the battery box (B). The battery is then firmly connected to the trolley's electrical socket under the battery holder. The battery level indicator (C) is now activated and the charge status is displayed continuously during the round.



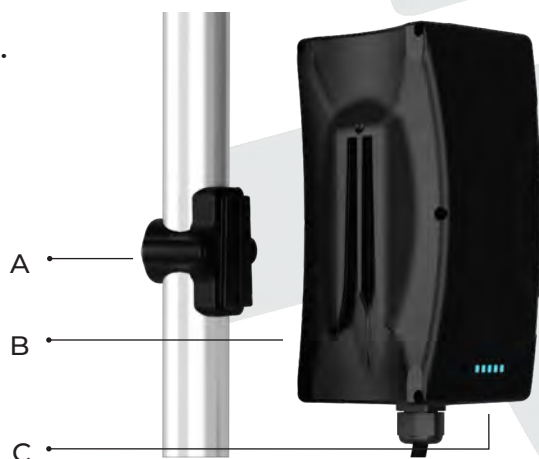
2.



3.



3.



STARTING UP

With the speed control (A) turned fully back towards you (counterclockwise, to position 0), connect the battery to the trolley.

The LED (B) flashes blue.

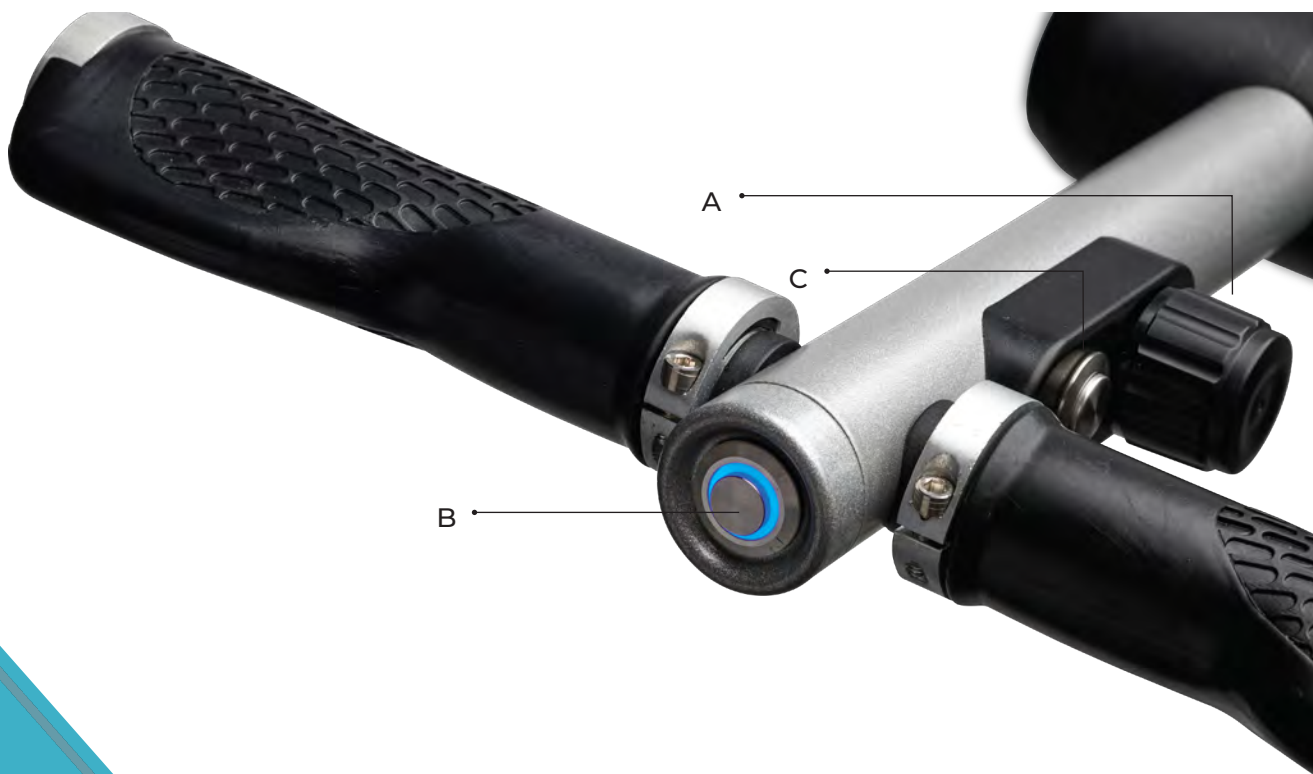
Then turn the speed control forward (clockwise) and the cart will accelerate. Turn it back (counterclockwise) to slow down, brake, or stop the trolley.

THE LED INDICATOR

Encircling the Start / Stop (A) button there is a LED that provides information about the status of the cart as follows:

Function indications:

- BLUE LED, Slow Flashing (1/sec) after connecting the battery: The speed knob (A) first needs to be turned to position 0 for the trolley to run.
- BLUE LED, Steady: Trolley in operation, normal function
- BLUE LED, Long, Short : Motor Brake Active
- BLUE LED, Fast Flashing (2/sec): Distance function active



FUNCTIONS

1. START / STOP AND RESUME

When the cart is moving forward and you want to stop, for example to strike:

Press button **(B)** to stop the cart. Press again to resume the previous speed. You can adjust the speed at any time with the speed knob.

2. DISTANCE FUNCTION (C:a 10,20 & 30 m)

The distance function to send the trolley about 10, 20 or 30 meters forward can be activated when you have stopped the trolley with button **(B)**. Press button **(C)** 1-3 times in quick succession for 10, 20 or 30 meters. The LED light starts flashing quickly and the trolley starts at a slow pace, then stops after the specified distance.

3. MOTOR BRAKE

If the trolley is equipped with brakes, it will maintain a constant speed even on steep downhill slopes.

If the speed control **(A)** is turned to position 0, the trolley will stop on normal slopes. However, it is not a parking brake as the stroller can slowly crawl forward on steeper slopes. As the speed is increased with the speed control **(A)**, the braking effect decreases.

4. FREE WHEEL FUNCTION

The Cryo trolley is equipped with a differential gear that makes the trolley easy to handle and extremely energy efficient. However, the differential makes the trolley slow to roll unless the freewheel function is used when driving manually.

Press the wheel lock button and move the wheel about 1 cm out on the axle, from position **(1)** to **(2)** in the pictures below.

1



2



BATTERY CARE

- Always charge your Cryo® lithium battery after use. The battery will take damage by being left uncharged, and should be charged no later than 3 days after use.
- The battery should be left on charge until the next round, as long as you play at least every two weeks.
- Your Cryo® lithium battery should be stored and charged in a dry temperate environment (indoors) at temperatures between 0°C and +35°C. The battery can be used in temperatures between -10°C and +45°C without noticeable loss of power, but storage in extreme temperatures (in the trunk on hot summer days) should be avoided.
- Never short-circuit the terminals, or open the battery box. The battery has no replaceable parts and the battery's warranty will be voided.
- Never charge the battery with a charger for lead batteries, nor a lithium charger other than the original.
- Do not expose the battery to force or water under pressure.

CHARGE YOUR CRYO® BATTERY

- Verify that the mains voltage is suitable for the Cryo charger: 100V - 240V at 50-60Hz.
- Charge in a dry environment (indoors) and make sure the charger is not covered.
- Always charge directly from a power outlet. Never connected to a power strip with other devices and chargers.

NOTE! Always uncoil the charger cable before charging. Charging the battery with the charger cable rolled up as it was delivered will disrupt charging and may damage the battery in the long run.

- When the charger is connected to the mains socket, it performs a self-test and the red LED lights up to show that the charger is receiving power and should always be on.
- When you connect the battery for charging, the 4 green lights light up one by one and the charging phase is complete when all 4 green lights are solid. The charger now goes into maintenance mode and protects the battery against overcharging
- It can take up to 6 hours to charge a completely empty battery. The charging time also varies with the battery's condition, cell balance, age and use.
- During the season, the battery is left connected to the charger even after full charging for best function. When not playing for longer than 2 weeks, we recommend that you disconnect the battery from the charger and the charger from the mains, to avoid unnecessary wear on both the battery and the charger.
- Do not use the charger if the wiring or connection looks damaged.

LONG TERM STORAGE:

Your Cryo® lithium battery can be stored disconnected from the charger for up to 3 months after a full charge. **After the charge, the battery and charger need be disconnected,** and the charger should be disconnected from the wall socket to avoid unnecessary wear. Before using the battery again, it should be fully charged again. **If the battery is not used for a longer period, it must be recharged every 3 months.**

MAINTENANCE

FOLLOW THESE TIPS TO GET THE MOST OUT OF YOUR TROLLEY:

- The trolley has been developed so that you can concentrate on golf while the trolley transports the golf bag. To keep the trolley looking nice and fresh, we recommend that you wipe grass and dirt from the frame and wheels with a damp cloth after the round.
- Do not use pressurized water or air to clean the trolley. This is to avoid water being forced into the trolley's electronics and driveline, which are otherwise sealed.
- Remove the rear wheels every two weeks and clean them of dirt and other things that can affect the function of the wheels. It may be good to add a few drops of oil (engine oil is excellent) to the trolley's ball bearings annually.
- Keep in mind that a 4-5 hour round a week for 12 months is equivalent to 4 years of operation of, for example, a lawn mower, so make sure to give the trolley a proper inspection at least once a year to keep track of wear. For service etc., you are always welcome to contact your dealer or your nearest service center for a recommendation.



FRONT WHEEL ALIGNMENT

If the trolley pulls to the left or right, first check that the bag is not unbalanced or loaded at an angle. If the front wheel still needs to be adjusted,

IF TROLLEY PULLS TO THE LEFT:

1. Loosen the large nut (**S1**)
2. Loosen the small Allen screw (**S2**)
3. Tighten the other Allen screw (**S3**)
4. Tighten the large nut (**S1**) again

IF TROLLEY PULLS TO THE RIGHT:

1. Loosen the large nut (**S1**)
2. Loosen the small Allen screw (**S3**)
3. Tighten the other Allen screw (**S2**)
4. Tighten the large nut (**S1**) again



PROBLEM SOLVING

SYMPTOM	WHAT TO CHECK
The trolley does not start	<ul style="list-style-type: none"> • Check that the battery level indicator shows that the battery is charged • Check all cables and connections. Also that the back half of the connectors are screwed in properly • Check that the wheels are not in free-wheel position • Check that the battery connector is firmly seated in the trolley's connection socket and locked into position with a "Click".
The motor is running but the wheels are not turning	<ul style="list-style-type: none"> • Check that the wheels are not in free-wheel position
The trolley pulls to the left or right	<ul style="list-style-type: none"> • Check that the bag is not loaded obliquely • Check front wheel alignment according to page 8.
The battery lacks power	<ul style="list-style-type: none"> • Check all connections and connectors • Check the charger is working and that it shows a red LED for mains connection and that all 4 green lights are on solid = full charge • Check that the mains socket always has uninterrupted power
The trolley stops without justification with the brake on	<ul style="list-style-type: none"> • Indicates low battery voltage, probably due to failed charging. Review charging routine as above. • Check battery level indicator on battery. If only one "pin" is displayed, the battery is almost empty and the trolley may shut down under higher loads such as steep hills.

WARRANTY

Your Cryo® Electric Trolley, Lithium Battery and Charger have a 2-year warranty from the time of purchase

The warranty applies to all types of manufacturing defects.


THE WARRANTY DOES NOT APPLY TO:


- Moisture ingress due to water under pressure in the driveline, electronics or battery. Note that moisture can also be forced in by high-pressure air.
- Mechanical damage from external force such as impacts and blows, or dropped battery
- If the trolley, battery, charger or connectors have been modified in any way without our specific consent
- If the battery safety label has been removed or tampered with
- If the serial number on the cart, charger or battery has been removed
- All warranty claims must be supported by a receipt from the place of purchase. If the battery's deep discharge protection has been activated and the battery cannot even be charged (which can happen if the battery has been left uncharged for more than 2 weeks after use), the warranty will be void due to gross negligence. Contact Moby Dick AB if this occurs, as in many cases the battery can still be reactivated.





Moby Dick AB

 Tel: +46 (0) 31 - 68 10

 02 info@cryogolf.com

 www.cryogolf.se

Cryo® Golf is a Registered Trademark by Moby Dick AB

Moby Dick AB
Askims Industriväg 1 b
S-43634 ASKIM
SWEDEN

For information or support please contact us:
E-Mail: info@mobydick.se / info@cryogolf.com
Tel: +46 (0) 31 681002