



C·TECH

INSTRUCTION MANUAL

REGISTERONLINE

www.motocaddy.com/warranty

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LOCATING YOUR SERIAL NUMBER

The serial number for your C-TECH trolley is located on the underside of the lower frame.

This number is required when registering your warranty online and should be kept handy for future use.

The same number should also be on the box received with your trolley. Please ensure that you keep hold of the packaging in case you need to return your trolley for any reason.

A proof of purchase must also be kept in case your trolley requires servicing during its warranty period.

PLEASE KEEP A RECORD OF YOUR TROLLEY SERIAL NUMBER FOR FUTURE REFERENCE

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SAFE USE OF YOUR TROLLEY

This Motocaddy trolley is designed for the transportation of golf bags and clubs contained within - using the trolley for any other reason may cause damage to the trolley and harm to the user.

- Do not attempt to transport any other equipment
- The trolley is not designed for the transportation of people
- Do not use the trolley to assist you when going up hills
- Submerging the trolley in water (eg a lake) is likely to cause damage to the trolley
- Do not operate the trolley whilst under the influence of drugs or excessive amounts of alcohol
- Please take care when using the umbrella holder in windy conditions. The lightweight nature of the C-TECH electric trolley means that it may experience reduced stability. Please ensure that you hold the handle when an umbrella is deployed in an open position
- Extra care should be taken when using the trolley on severe lateral slopes or inclines

BATTERY CARE AND ADVICE

The battery must be charged as soon as possible after each use. Leaving batteries discharged for long periods of time can affect the battery life.

Please ensure that only batteries supplied by Motocaddy are charged with Motocaddy chargers. Cyclic battery chargers are designed specifically in accordance with the battery manufacturer's requirements. The charger **MUST NOT** be used to charge any other battery and is designed for use with Motocaddy C-TECH Lithium batteries only.

The charger should only be connected to an earthed socket outlet and should only be opened and maintained by authorised personnel. Unauthorised opening will invalidate your warranty.

The battery must be stored and charged on a dry non-carpeted surface and charged at temperatures ranging between 10°C and 30°C.

Charging above or below these temperatures is not recommended as it can reduce the battery capacity.

When connecting your battery to the trolley, please ensure that the holding pins (fig. 1) on the trolley are located in the front of the battery before securing.



fig. 1

CHARGING YOUR LITHIUM BATTERY

The Lithium battery must always be removed from your trolley prior to charging:

1. Plug the charger into your mains supply - the red LED will light up to indicate power
2. Connect the charging cable to the socket on the side of the battery - an amber LED on the charger will indicate that the battery is charging
3. When the LED indicator turns green, the battery is fully charged and ready to be used
4. Once charging is complete, please disconnect the charger from the mains power supply and disconnect the charger from the battery

The charging process will take between 4 to 6 hours depending on the depth of discharge (please be aware that this may take longer for the first few charges).

 RED - Power to charger →  AMBER - Battery charging →  GREEN - Battery fully charged

CARING FOR YOUR LITHIUM BATTERY

- Try to avoid getting the battery too wet (i.e. do not submerge the battery, try to avoid deep puddles and do not clean your trolley whilst the battery is still in place)
- Dropping the battery may cause damage to the internal cells
- Use a damp cloth to clean off any dirt
- Ensure that the battery terminals remain clean and free from debris

RECOMMENDATIONS FOR HIBERNATION OF LITHIUM BATTERIES DURING WINTER

If for any reason your Lithium battery is not going to be used for lengthy periods, e.g. 3 months over the winter, it is advised to store the battery half charged. To do this, simply use the battery for a round of golf as usual and charge it for 1.5 hours at the end of the round. Before the battery is used again, recharge it (top it up) prior to use. We recognise that extended absences are not always planned in advance, however when it is likely that you will not be using your battery for a period of time it is good practice to follow these steps to extend the life of your Lithium battery.

Please ensure that the charger is ALWAYS disconnected from the battery after charging.

LITHIUM BATTERY MANAGEMENT SYSTEM (BMS)

Motocaddy Lithium Batteries are fitted with a comprehensive Battery Management System (BMS) to protect the battery from excessive abuse, high currents, deep discharge and overcharge. When the battery is delivered there may be no output as the BMS is designed to maximize safety whilst shipping. Please ensure that the battery is fully charged prior to connecting it to your trolley as this will activate the BMS and effectively “switch-on” the battery. From time to time, at deep discharge or long term storage the BMS may switch-off the battery. A full battery charge will rectify this problem.

Motocaddy golf trolleys are designed to work with the BMS system installed in the Lithium batteries and the voltage meter is also synchronised to work in conjunction with the battery. If for any reason the voltage on the battery reaches that below the low battery warning on the trolley, then the BMS may disable the battery to protect it. Again if this occurs please recharge fully. Please be aware that Lithium batteries tend to “drop off” quickly at the end of the cycle so it is not advisable to attempt to play excessive holes as the BMS will activate for protection purposes.

UNFOLDING YOUR C-TECH TROLLEY

1. Remove each wheel by pressing the quick release button
2. Flip the wheels over as shown (fig. 1)
3. Slide the wheels back on to the axle as far as they will go
4. Release the button and pull the wheel back slightly to lock in to place
5. Pull lever (fig. 2), lift and unfold centre frame section - this will lock into place once unfolded
6. Release clip (fig. 3) and unfold upper frame section to desired height, re-secure clip



FOLDING YOUR C-TECH TROLLEY

1. Release clip, lower upper frame section and re-secure clip (fig. 1)
2. Pull lever and fold frame section down flat - this will lock into place once folded (fig. 2)
3. Remove each wheel by pressing the quick release button
4. Flip the wheel over as shown
5. Slide the wheels back on to the axle as far as they will go (fig. 3)
6. Release the button and pull the wheel back slightly to lock in to place

Please note that the wheels will only go as far as the free-wheel groove.



USING THE LOWER BAG SUPPORTS

This trolley is fitted with the exclusive Motocaddy EASILOCK™ bag attachment system.

If you are using an EASILOCK™ compatible golf bag please follow these simple instructions:

1. Remove the two pre-fitted lower bag straps, these can be pulled off as shown (fig. 1)
2. Remove the two rubber bungs by pushing out from behind (fig. 2)
3. Lower bag until the pins lock in position

If you are using a non-EASILOCK™ compatible cart bag please follow these simple instructions:

1. Stretch the elasticated straps around the bag
2. Loop the rounded bar underneath the hook (fig. 3)

Please ensure the straps are hooked in place securely before releasing. Failure to do so could result in injury to the user.



USING THE UPPER BAG SUPPORTS

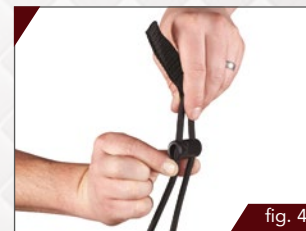
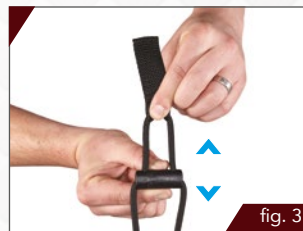
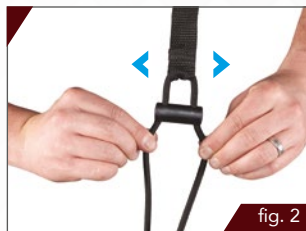
Use the following instructions to secure the upper bag supports:

1. Stretch the elasticated straps around the bag
2. Loop the rounded bar underneath the hook (fig. 1)

ADJUSTING THE BAG SUPPORTS

The bag support straps are manufactured from elasticated material to allow your golf bag to be held tightly in place. The strap should be adjusted to be reasonably tight around the golf bag:

1. Unclip the elasticated straps by pulling outwards in the direction shown by the arrows (fig. 2)
2. Move the bar as required to tighten or loosen the strap fitting. Pulling the bar downwards will tighten, pushing it upwards will loosen (fig. 3)
3. Ensure that the straps are clipped back into the housing before use (fig. 4)



EQUIPMENT OVERVIEW

1. Upper bag support
2. Lower bag support
3. Release clip
4. Pull lever
5. EASILOCK™ housing
6. Snap-fit Lithium battery
7. Battery release lever
8. Lower strap hooks
9. Upper strap hooks
10. Front wheel
11. Rear wheels
12. USB charging port
13. Digital control display
14. Rear wheel release buttons
15. Accessory attachment



HANDLE OVERVIEW



POWER & BATTERY LEVEL

There are two LED meters on the display which indicate both battery capacity and current speed setting.

The right LED meter (fig. 1) shows the battery capacity (5 green bars and 2 red).

The trolley is designed to protect your battery from being fully discharged. Should your battery capacity drop too low, the trolley will cut power to the motor.



fig. 1

OPERATING THE C-TECH

To start the trolley, simply turn the Speed Dial to select your required speed (1-10) and press the Pause/Resume button.

The left LED meter (fig. 2) shows the current speed setting (up to 10 green bars) and will flash while the trolley is stationary. A numerical display will appear when the speed is being changed.



fig. 2

When the Pause/Resume button is pressed, the green bars will stop flashing and "PLAY" will be shown on the display. The trolley will smoothly accelerate to the desired speed. (fig. 3)

To stop the trolley, simply press the Pause/Resume button again and "STOP" will be shown. The C-TECH has a "Glide Stop" feature that will decelerate the trolley smoothly.



fig. 3

INTELLIGENT SPEED CONTROL (ISC)

The C-TECH features an Intelligent Speed Control that helps set the trolley speed as close to your walking pace as possible by automatically varying its pace to match the terrain.

When going downhill it is important that you keep the trolley under power and trust it!

On steeper declines, the C-TECH speed will initially increase, however the ISC will then slow the trolley down and if required initiate the electronic brake. The "[B]" indicator on the display will illuminate (fig. 1) when the brake has been initiated.

It is important that you always allow the trolley to run at the speed set. Holding the trolley back will cause the ISC to apply more power and attempting to push the trolley could cause the brake to initiate.



fig. 1



fig. 2

ELECTRONIC PARK ASSIST

The C-TECH features an Electronic Park Assist which when enabled will help prevent the trolley running away from you whilst stationary.

To enable the Electronic Park Assist from a stationary position:

1. Press and hold the Pause/Resume button (fig. 2) and turn the Speed Dial anti-clockwise

Once enabled "[B]" will illuminate (fig. 1).

ADJUSTABLE DISTANCE CONTROL (ADC)

The C-TECH features an easy-to-use Adjustable Distance Control which allows you to send the trolley ahead of you between 15 - 45 meters.

1. Whilst stationary, press and hold the Pause/Resume button and rotate the Speed Dial clockwise - "Adc" will show on the display (fig. 1)
2. Turn the Speed Dial clockwise to increase and anti-clockwise to decrease to required distance setting – 15m, 30m or 45m (fig. 2)
3. Press the Pause/Resume button to start the trolley

Whilst the trolley is in motion using ADC, "Adc" will be displayed and the speed indicating bars will be solid. The trolley will run at speed setting 5 whilst in ADC function. Once the trolley has reached its desired distance "STOP" will be shown and the trolley will glide to a stop.

The trolley can be stopped manually by pressing the Pause/Resume button again

It is not advisable to use the ADC function downhill as it will not apply the Electronic Park Assist when reaching the desired distance so could cause the trolley to run further than expected.



fig. 1



fig. 2

SETTING/RESETTING THE CLOCK

To set or reset the digital Clock:

1. Hold down the Pause/Resume button until 00:00 (fig. 1) shows on the display
2. Turn the Speed Dial to select the desired hour
3. Press the Pause/Resume button once
4. Turn the Speed Dial to select the desired minutes
5. Press the Pause/Resume button again to set



USING THE USB CHARGING PORT

The C-TECH features a USB Charging Port designed to power GPS devices during your round.

Simply remove the covering cap and plug a USB cable into the charging port located on the underside of the handle (fig. 2). The device will continue charging for the duration of time that the cable is attached and the battery is connected.



It is important to note that the speed of charge will be lower than that of a mains AC charger and similar to plugging the device into a PC.

The USB charger takes power from the main trolley battery and continuous charging will reduce the battery capacity between charges.

CARING FOR YOUR C-TECH TROLLEY

Although your trolley has been weather-proofed, please follow these simple guidelines to help protect it:

- Do not store your trolley outside
- Try to minimise exposure to rain as much as possible with an umbrella during heavy rainfall
- Wipe excess water from the trolley prior to storage
- Never use a pressure washer to clean your trolley - to prevent water damage, wipe it down with a damp fine microfibre cloth
- Avoid using high pressure air hoses near moving components
- Makes sure the rear wheels are clean before inverting for transportation/storage
- Keep battery and loom connection terminals clean and clear of debris

Your C-TECH trolley is designed to require very little maintenance; we do however recommend giving your trolley regular checks to ensure:

- There is no build-up of excess mud and dirt
- The front wheel is not clogged up and turns freely
- There are no small stones or grit between the connections

Only original Motocaddy C-TECH parts should be used when repairing your trolley.



DECLARATION OF CONFORMITY

ORIGINAL

Business Name and Full Address of Manufacturer

Motocaddy Ltd - Units 15-18 Stansted Distribution Centre,
Start Hill
Great Hallingbury

Hertfordshire
CM22 7DG

Name and Address of Authorised Representative

-

**Name and Address of the Person in Community Authorised to compile the Technical File
(If different to above)**

-

Description of product (Commercial Name)

Motocaddy Electric Trolley

Function, Model, Type, Serial Number

Function: Electric Trolley

Model: S1/S1 PRO/S3 PRO/M1 PRO/M3 PRO
S1 PRO DHC/S3 PRO DHC/M1 PRO DHC
S7 REMOTE/C-TECH

Type: Motocaddy Digital Range

Standards Used

BS EN ISO 12100 2010

Place of Declaration

Units 15-18 Stansted Distribution Centre,
Start Hill
Great Hallingbury

Hertfordshire
CM22 7DG

Date of Declaration Thursday, January 01, 2017

Declaration

I declare that the machinery fulfils all the relevant provisions of the following Directives:- Low Voltage Directive 2006/95/EC, Electromagnetic Compatibility Directive 2004/108/EC.

Person Empowered to Draw Up Declaration

Name: Tony Webb

Position: Managing Director

Signature:



Declaration No:

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We are dedicated to protecting the environment and encourage the recycling of Motocaddy products through a free collection and disposal service. To find out more or to locate your nearest Motocaddy recycling point, please contact us through our website.

MC.17.27.001

EASILOCK™ Patent (GB) - GB2519073
USB Charging Port Patent (GB) - GB2473845
USB Charging Port Patent (AUSTRALIA) - 2010224448