



Bat-Caddy X2 Pro™ Electric Golf Caddy User Manual



**WARNING: PLEASE FOLLOW ALL ASSEMBLY INSTRUCTIONS
AND READ AND UNDERSTAND THE OPERATING
INSTRUCTIONS BEFORE YOU OPERATE THE CADDY!!!**

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1. Packing List

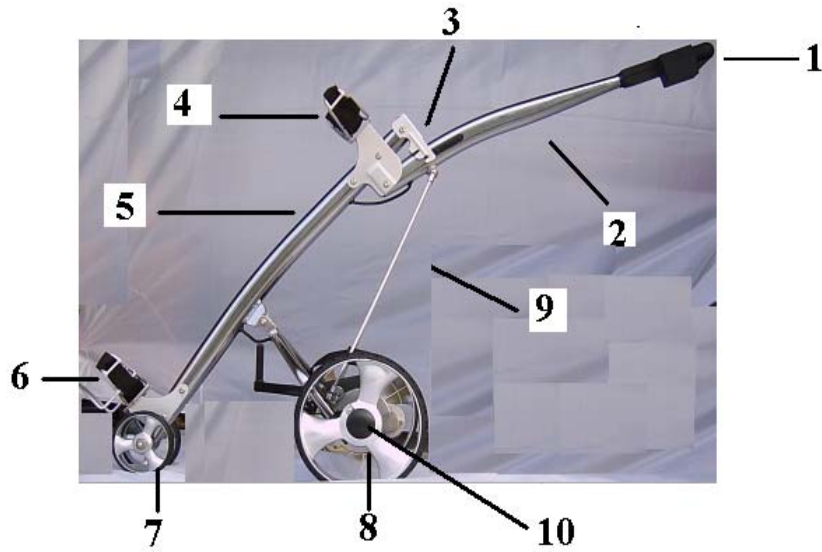
Standard Parts

- 1 x Caddy Frame
- 2 x Rear Wheels (left & right)
- 1 x Battery Pack (Battery, Bag, Leads)
- 1 x Charger
- 1 x Tool kit
- 1 x Scorecard Holder
- 1 x Assembly & Operating Instructions, Warranty

Optional Accessories

- Cup Holder
- Umbrella Holder
- Carrying Bag
- Sand Dispenser
- Rain Cover

2. Parts Glossary



1 Handle

2 Upper Frame Tube

3 Frame Lock

4 Upper Bag Support & Strap

5 Lower Frame Tube

6 Lower Bag Support & Strap

7 Twin Front Wheels

8 Rear Wheel

9 Frame Support

10 Wheel Hubcap

11 Charger

12 Tool Kit

13 Battery



3. Assembly Instructions

1. Unpack all items carefully and check parts inventory
2. Place frame structure (one piece) on soft and clean ground to protect frame from being scratched. Unfold the frame by pulling the lower and the upper frame tubes apart and locking them together with the frame lock mechanism. The lock has two notches to adjust the handle height.



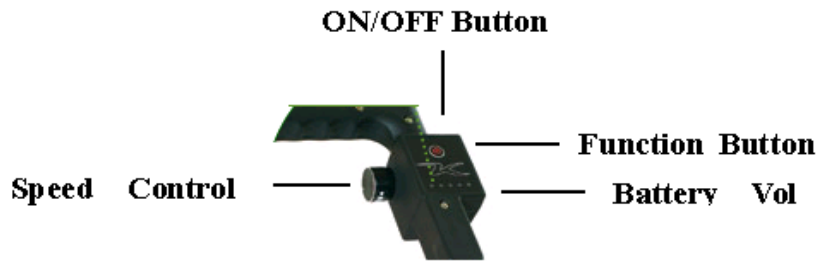
3. Attach the rear wheels by releasing the quick catch on the outside of the hubcap while inserting the wheel onto the axle. Push the wheel all the way in, so that the two pins on the axle fit into the wheel core to engage the clutch and release the catch. The wheel should be fully secured. Make sure to keep the locking button pushed in during this process, in order to enable the axle extensions, including the two pins, to be inserted all the way into the wheel and be completely locked. **Attention: Make sure that the right wheel (marked) is attached to the right side and the left wheel (marked) to the left side (seen from behind in driving direction), as the wheels have built in clutches. The caddy will not move if the wheels are not on the proper side. Reverse the action to remove the wheels.**



4. The battery cable connects to both the trolley and charger. Place the battery in the battery tray and secure it with the Velcro strap. Insert the battery connector into the plug on the caddy. It is **not** necessary to tighten the screw around the plug, as this might cause damage in case of a tip-over. **Note:** Make sure the caddy's power switch is in Off position and the rheostat dial is pulled back to Off position before you plug the battery in.



4. Handle Control Functions



1. **ON/OFF Switch:** Located on the front side of the handle controls the power supply of the caddy.
2. **Rheostat Speed Control:** Located on the right side of the handle. Scrolling of the seamless rheostat speed control lets you choose your preferred speed to suit your walking pace. By dialing forward (clockwise) the speed can be increased. Dialing backwards (counter-clockwise) will reduce the speed.
3. **Digital Cruise Control:** Red circular push button on front top of the handle. Select the ideal speed to match your pace via the rheostat speed control. In order to stop, press the red cruise control button. The cart will remember its last speed setting when you stop. Once you are ready to go again, press the button again, and the caddy will automatically travel at the same speed as before. To adjust the speed, dial the speed knob forward or backward. The caddy is equipped with a "Soft Start" ability which ensures smooth acceleration up to the selected speed by pressing the cruise control button on the handlebar control panel.
4. **Battery Charge Indicator:** Five color LEDs on the handle show the battery charge at any time. When the battery is fully charged all lights (red, yellow, green) will be lit. As the battery gets drained first the green lights will go off, then yellow and when only the red lights are lit, it's time to recharge the battery.



5. Operating Instructions

Power Switch: In order to turn the caddy on, push the On/Off switch to On. All battery charge indicator LEDs should light up (if the battery is fully charged).

Battery Charge Indicator LEDs: After the caddy has been switched on, all LED lights (green, yellow, red) should be illuminated. This indicates that the battery is fully charged. During play, and as the battery is being discharged, first the green lights should go off, then the yellow, and when only the red LED is illuminated, it is time to recharge the battery.

Rheostat Speed Control: While holding on to the handle firmly, start dialing the rheostat speed control with your index finger **SLOWLY** forward (clockwise). The caddy will start moving forward. Adjust the speed seamlessly to the desired pace. To stop or slow the caddy down either dial the speed control knob backwards or use the cruise control button as described in the previous chapter.



Testing the Caddy: It is recommended to perform a test of all functionality before using the caddy in public environments. Make sure that you perform your first test of the caddy in a wide and safe area possibly on even surface, free of obstructions or valuables, such as people, parked automobiles, flowing traffic, furniture or water bodies (rivers, swimming pools etc.), steep hills, cliffs or similar hazards.

Recommendations for Efficient and Safe Operation

It is recommended to be in reaching distance of the caddy at **ALL TIMES** during operation in order to prevent any loss of control. This pertains especially near bodies of water, creeks, bridges, public traffic or other hazards. Also make sure that you park the caddy securely once you walk away from it. **The warranty will not cover any damage or accidents caused by careless operation of the equipment or loss of control of the unit.**

Be alert and act responsibly at all times while operating your caddy, just as you would when operating a riding cart, motor vehicle or any other type of machinery. **We absolutely do not recommend the consumption of alcohol or any other impairing substances while operating our caddies!**

Please avoid or minimize operation on hard and rough surfaces, such as cart paths, asphalt roads, gravel roads, roots etc., as this will cause unnecessary wear and tear on tires, wheels and other components. The caddy is best operated on soft and smooth surfaces such as fairways.

6. Maintenance and Other Instructions

6.1. Battery Precautionary Instructions

PLEASE OBEY THESE PRECAUTIONS FOR BATTERY USE & CHARGING

- a) Please do not charge the battery in a sealed container or in upside down position. It is recommended to charge the battery in a well ventilated area.
- b) Please do not charge the battery near a heater, or where heat accumulation may occur or in direct sunshine.
- c) In order to prolong the service life of the battery, please avoid complete discharge and charge the battery after every use. Unplug the battery from the charger once the charge is complete. When the trolley is not in use for an extended period of time, it is recommended to charge the battery once a month.
- d) The battery's poles red color stands for positive, and the black for negative. In case of battery replacement please reconnect the poles of the battery correctly. **Otherwise your caddy could suffer severe damage.**
- e) Please do not disassemble the battery or throw it into a fire. **EXPLOSION!!!**
- f) **NEVER TOUCH THE ELECTRIC POLES OF THE BATTERY!! SAFETY HAZARD!!**

6.2. Battery Charging and Maintenance

Connect the battery cable plug with the charger and then plug the charger into an electrical outlet. During the charging cycle the LED on the charger will show a blinking green light (some charger models also have a red steady light during charging). Once the charging cycle is complete the blinking green light or the red light will turn into a steady green light. It is now okay to unplug the charger and battery for reuse. The charging cycle can last up to 12 hours depending on the level of discharge.

Normally the battery will hold its charge for several months, and it does not have a "memory effect", and therefore can be recharged at any discharge level. It is not recommended to fully discharge the batteries, as this will shorten battery life drastically. The battery has a normal lifespan of 150-200 charges, depending on charging frequency, storage conditions and time and discharge history. Before storing a battery for extended periods of time you must fully charge it. **DO NOT** store an empty battery or else it might become unusable. Replacement batteries are available from your authorized Bat-Caddy dealer or directly from Bat-Caddy.

RECOMMENDATIONS FOR BATTERY CHARGING & MAINTENANCE

- a. Fully charge the battery for ca. 12 hours before the first use
- b. Do not leave the battery on the charger, if it is not used for extended periods of time, but remove it from the charger after the charge is complete.
- c. The battery will take approximately 2-3 rounds and charging cycles before it reaches its full operating potential. During the first couple of rounds it might still be below its optimal power.

- d. Always keep your battery fully charged before another game
- e. Never keep your battery connected to the grid during prolonged power outages. It might be irreversibly damaged
- f. Do not fully discharge the battery by “overplaying” it. It is recommended to recharge the battery after every 18 holes.

6.3. Electronic System

- **Microcomputer:** The caddy has 2 microcomputer controls: The first is in main controller box, and the second is in the receiver in the handle.
- **Safety Protection:** When the temperature of the controller box reaches its upper limit in case of overload it will automatically shut down to cool off for a few minutes.
- **Microprocessor Controlled Electronics System:** When you connect the battery, the electronics system will automatically run through a start-up routine. Then you can press the main OFF/ON button on the handle. The battery charge indicator lights will show you the charge level of the battery from green (fully charged) to red (discharged).
- **Important:** The electronics controller box contains no user serviceable parts. Therefore, it is sealed to reduce the risk of moisture entering and impacting the electronic system. Breaking this seal increases the risk of damaging the electronics and decreasing the reliability of your caddy. **DO NOT** attempt to open the controller case. **Doing so will void the warranty!**
- **Battery Operation and Care:** Follow battery charge and maintenance instructions. The battery comes with leads and connector and a 35 Ampere fuse inside the red compartment on the Plus (Red) battery lead.

6.4. General Maintenance

The steps below will ensure that you get a prolonged and reliable life out of your Bat-Caddy:

- 1) The Caddy has been designed so that the user can concentrate on playing golf, while the caddy does the work of carrying your bag. In order to keep your Bat-Caddy looking at its best, we advise that you wipe any mud or grass from the frame, wheels and chassis after every round with a damp cloth or paper towel.
- 2) Do **NOT** use hoses or high-pressure jet washers to prevent moisture entering the electronic systems, motor or gear box of the caddy.
- 3) Remove the rear wheels every few weeks and clean out any debris that might cause the wheels to drag. You might also apply some lubricant, such WD-40 to keep moving parts smooth and corrosion free.
- 4) A 4-5 hour round of golf played once a week for 12 months is equivalent to ca. four years use of a lawn mower, so please inspect your cart at least once a year thoroughly, and if you notice any symptoms of wear, contact your Bat-Caddy Service Center. Alternatively, you can have your caddy inspected and tuned by our Service Center, so it's always in great shape for the new season.
- 5) Always disconnect the battery when you store the caddy, and always put your caddy together before re-connecting the battery. If you are not planning to play for at least a month, store the battery in a warm and dry place (not on concrete floor) and don't leave it on the charger.

7. Technical Specifications X2 Pro

Feature	Specification
Speed Control	<ul style="list-style-type: none"> • Manual seamless Rheostat • Cruise Control • Function: Forward
Motor	<ul style="list-style-type: none"> • Power: 1 x 200 Watt • 12 V DC Electric
Drive Train	<ul style="list-style-type: none"> • Rear Wheel Drive • Steel Gear (17:1)
Battery	<ul style="list-style-type: none"> • Power: 12V, 20Ah, 22Ah or 24Ah • Average Charge Time: 4-8 Hours • Lifetime: 150-200 charges
Charger	<ul style="list-style-type: none"> • Input: 110-240V AC • Output: 12V/2A-3A DC Trickle Charger
Weight	<ul style="list-style-type: none"> • Net Weight Caddy: 25 Lbs (11.5kg) • Net Weight Battery: 12 Lbs (5.5 kg) • Total Net Weight: 37 Lbs (17 kg)
Speed	<ul style="list-style-type: none"> • 5.4 m/h (8.6km/h)
Distance/Range	<ul style="list-style-type: none"> • 13 m (20 km)/27 Holes
Maximum Load	<ul style="list-style-type: none"> • 66 Lbs (30kg)
Climbing Ability	<ul style="list-style-type: none"> • 30 degrees
Dimensions: Unfolded	<ul style="list-style-type: none"> • Length: 42"/45" • Width: 20" • Height: 34"/42"
Dimensions: Folded	<ul style="list-style-type: none"> • Length: 34" • Width: 20" • Height: 12"
Rear Wheels	<ul style="list-style-type: none"> • Airless, rubberized tread

Front Wheels	<ul style="list-style-type: none"> • Airless, rubberized tread
Materials	<ul style="list-style-type: none"> • Frame: Aluminum • Bag Support: Stainless Steel
Colors	<ul style="list-style-type: none"> • Painted: Silver/Titanium
Complimentary Accessories	<ul style="list-style-type: none"> • Scorecard Holder
Additional Accessories	<ul style="list-style-type: none"> • Cup Holder • Umbrella Holder • Carrying Bag • Rain Cover • Sand Dispenser
Warranty	<ul style="list-style-type: none"> • 1 Year on Parts & Labor (6 months on battery)
Packaging	<ul style="list-style-type: none"> • Type: Cardboard Box, Styrofoam Cushioning • Dimensions: 36 x 22 x 13" (92 x 55 x 34 cm) • Gross Weight: 41 Lbs (18.5 kg)

Note: Bat-Caddy reserves the right to modify/upgrade any components during a model year, so illustrations on our website, brochures and manuals may slightly vary from the actual product shipped. However, Bat-Caddy guarantees that specifications and functionality will be always equal or better from the advertised product. Promotional and standard accessories may also vary from illustrations shown on our website and other publications.

8. Frequently Asked Questions (FAQs)

In order to provide our customers with the most accurate and in-depth information please read below some answers to the most frequently asked questions about electric golf caddies in general and the Bat-Caddy X2 Pro in particular.

GENERAL QUESTIONS

Why should I use an electric golf push cart?

Bat-Caddy: Electric golf caddies provide you with a series of benefits, such as improved health and fitness, weight loss, lower handicap and a better overall golf experience, as well as economic benefits due to the saved rental cart fees. On Average a Bat-Caddy pays back for itself within one season. The caddy basically gives you the experience to play like a Tour Professional, i.e. walking but not having to carry, push or pull and thus avoiding any strain or fatigue which will most definitely impact your golf game. The real question is why should I **not** use an electric golf caddy and continue to carry my bag or waste money on riding cart rental fees? Please also read our [Product Benefits](#) section on our website www.batcaddy.com .

What is the difference between a remote controlled and a manually controlled motorized golf trolley?

Bat-Caddy: The remote controlled caddy can be operated via a handheld remote transmitter up to 100 yards distance. The manually controlled caddy is also power assisted but steering and speed control needs to be performed manually on the handle, so you will have to walk close to the caddy while operating it. The remote controlled caddy can also be manually operated via a seamless rheostat control on the handle.

Will the golf cart follow me?

Bat-Caddy: No! The type of carts that follow you are obsolete or extinct. The main disadvantage of this technology was that they tended to cut corners, i.e. run into bunkers or water hazards once the operator went around them. You also needed to switch them off before you went on the green and walk back to them after putting. Today's remote control technology is more intuitive to use. Manual caddies have to be steered physically by the operator, just like a push cart.

What makes your caddies better than those of your competitors?

Bat-Caddy: Our caddies offer a unique and superior combination of performance features, design, quality, service and value. Please refer on our website www.batcaddy.com to our [Product Information](#) section for detailed product features and benefits and don't hesitate to compare us to any of our competitors at any level. When purchasing a caddy please also consider the after-sales service. According to many of our customers Bat-Caddy has the industry's best customer service, and response time ([Testimonials](#)). Our advice: Never buy this kind of product from amateurs on auction sites or from shady outfits without addresses or service phone numbers. Bat-Caddy is the best value in the market with the best customer service, and that's why we continue to grow at an amazing pace, despite the current economic climate. We are a global company represented in the US, Canada and Europe.

BAT-CADDY QUESTIONS

Should I charge the battery once I receive the unit?

Bat-Caddy: Our 12V sealed lead acid batteries come more or less fully charged, but we recommend charging them for a full 12 hours before the first usage. The charger should either have a blinking green light or a red light while it's charging and turn into a steady green light when the battery is fully charged. The batteries develop their full potential after a few full charging cycles.

How long does the battery last?

Bat-Caddy: Our batteries are rated to last on average for 27 holes or 6-7 hours of play per charge. Depending on the weight and topography of your course they might last longer or shorter. However, we recommend recharging the battery after every 18 holes, as complete drainage reduces the life time of a battery significantly. Average life should be 150 charging cycles depending on treatment.

What do the lights on the handle mean?

Bat-Caddy: The red, yellow and green LEDs on the handle indicate the level of charge of the battery. When the battery is fully charged they all should be lit. As the battery drains itself first the green, then yellow will go off. If only the red is on it's time to recharge.

My caddy has no power when I try to turn it on?

Bat-Caddy: Please check if all electrical connections are tight. Also check the fuse in the red cable of the battery leads within the battery carrying case. If broken please replace with a standard 35Amp automotive fuse.

My caddy's motor runs, but the wheels don't turn?

Bat-Caddy: First check the position of left and right wheel. The wheels have clutches and when installed on the wrong side, they won't be propelled. Also check axle pins on both axle ends.

My caddy tends to track to one side. What should I do?

Bat-Caddy: All caddies will follow weight and slope. If the weight in your bag is unevenly distributed the caddy will always tend to track to that side. Make sure that the weight in your bag is balanced. Please test the tracking of your caddy without the bag on even terrain.

The trolley stops by itself sometimes?

Bat-Caddy: Please check the battery charge level. Also the controller box has a shut-down function, if the battery is too low or the controller is overheating or the caddy does not receive a signal for 30-40 seconds.

Whom do I contact for service, parts and technical support?

Bat-Caddy: Please contact our Bat-Caddy Service Center at 1-877-815-0809 or 1-888-214-6033 or send an e-mail to batcaddyservice@spacom.com

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