

**SPITZER**

**EL6 ELECTRIC GOLF CART**

[WWW.SPITZERPRODUCTS.COM](http://WWW.SPITZERPRODUCTS.COM)

**WARNING: PLEASE FOLLOW ALL ASSEMBLY INSTRUCTIONS AND READ  
AND UNDERSTAND THE OPERATING INSTRUCTIONS BEFORE YOU  
OPERATE THE CADDY, EITHER MANUALLY OR BY REMOTE CONTROL.**

User Manual version 1.0

**PLEASE READ BEFORE RETURNING THIS PRODUCT FOR ANY REASON:**

If you have a question or experience a problem with your Spitzer Golf Caddy, call 1-800-814-6536 to speak with a support representative. Or for fast response, email us at [support@spitzerproducts.com](mailto:support@spitzerproducts.com)

**\*\*DISCLAIMER SAFETY WARNING\*\***

**OPERATORS ARE SOLELY RESPONSIBLE FOR SAFE OPERATION and MAINTENANCE OF THIS DEVICE. AS A REMOTELY CONTROLLED DEVICE, EXTREME CAUTION AND CARE MUST BE TAKEN TO AVOID INJURIES, DAMAGE OR LOSS. UNDER NO CIRCUMSTANCES DOES SPITZER GOLF ASSUME ANY RESPONSIBILITY FOR OPERATOR SAFETY, INJURIES OR PRODUCT LOSS.**

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## **1.0 Introduction**

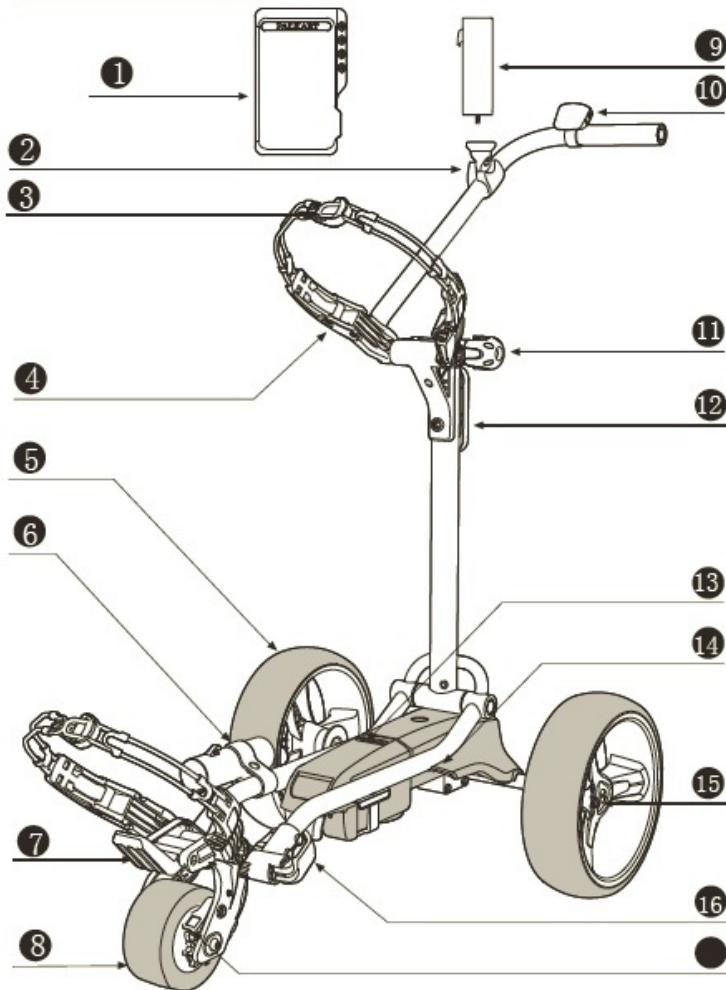
### **1.1 Features**

The SPITZER EL6 Electric Golf Trolley/Caddy is an electrically assisted manually controlled movement of the cart while you walk-along with it. This operation is controlled through the wireless control fob on the cart.

## 1.2 Parts List

The following is a list of parts that the package should normally contain. If your package is missing any parts, please contact [support@spitzerproducts.com](mailto:support@spitzerproducts.com) immediately.

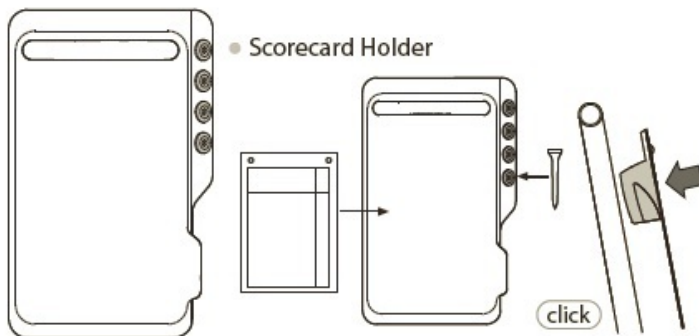
### • MAJOR PARTS LIST



1. Scorecard holder
2. Umbrella holder fitting joint
3. fastener
4. foldble bag support
5. Rear wheel
6. Umbrella hoder fitter
7. Front bag fitter
8. Front wheel
9. umbrella holder
10. controller
11. handle adjust knob
12. cup holder
13. Lithium Battery
14. controller box
15. Wheel release button
16. folding Knob front wheel

Remarks: The accessory doesn't include ball, pencil, scorecard, tee and ball marker.

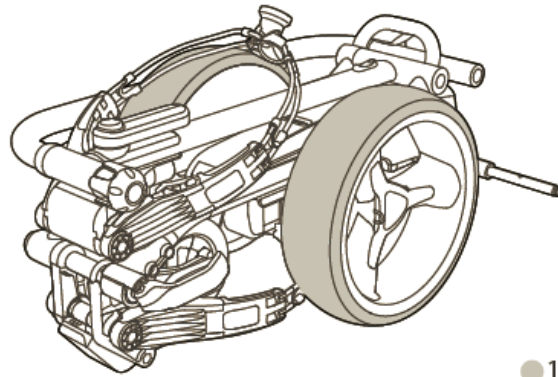
### • ACCESSORIES



Optional Accessories – Available at [www.spitzerproducts.com](http://www.spitzerproducts.com)

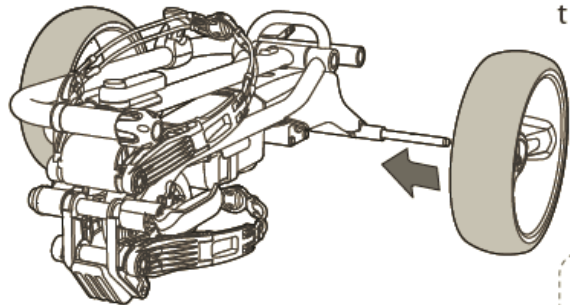
- Cup Holder
- Carrying Bag
- Rain Cover

## 2.0 Assembly Instructions




1

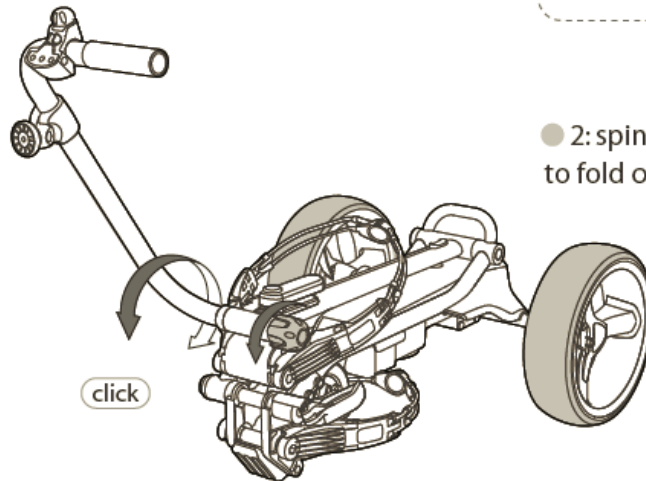
- 1: Click the wheel release button to attach the rear wheels onto the axle.



click

Please make sure click the button at the side of the trolley. 

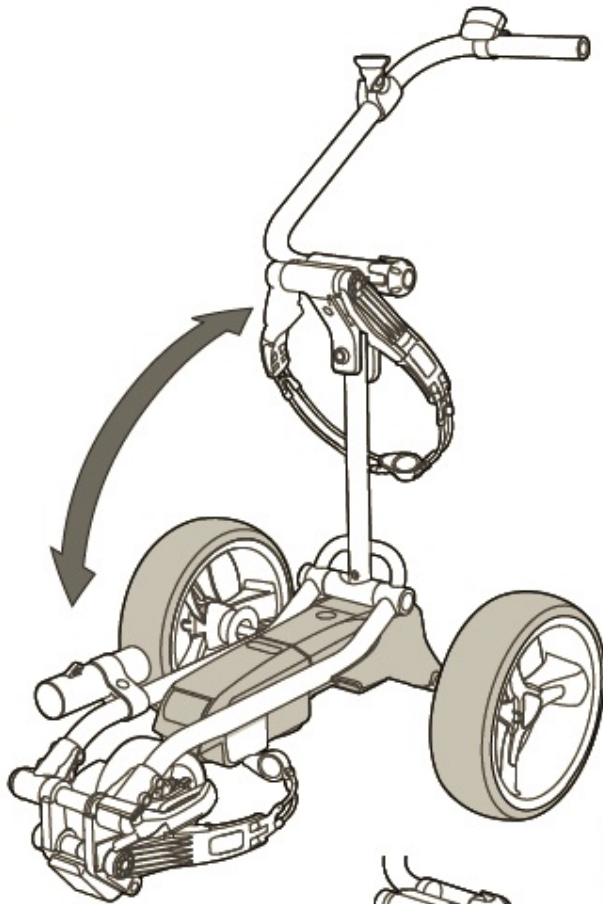
2



click

- 2: spin the handle adjust Knob to fold or open the handle.

3

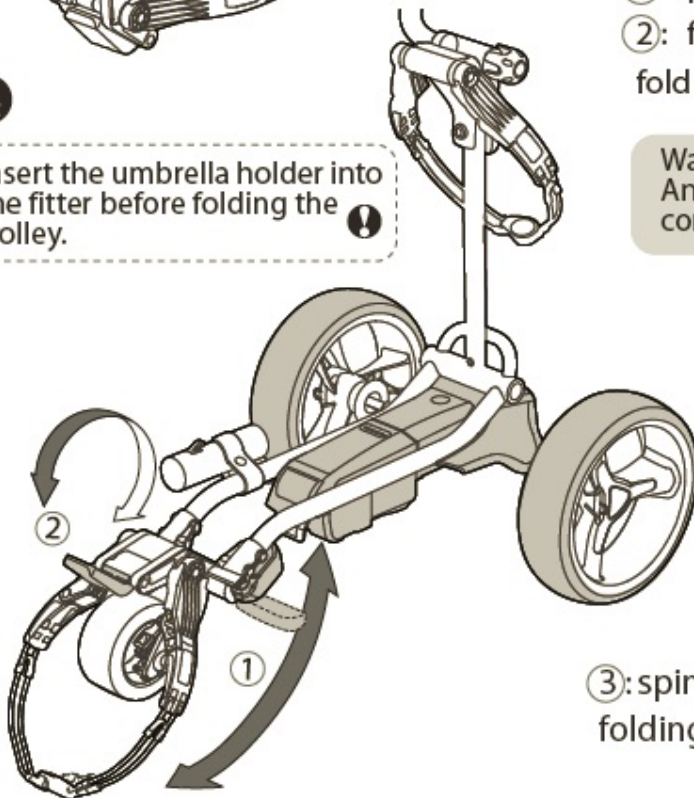


● 3: forward or backward push the center tube to close or open the trolley .

Please make sure the bag support is fold before close center tube. ⚠

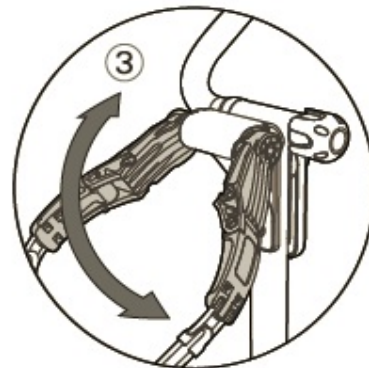
4

Insert the umbrella holder into the fitter before folding the trolley. ⚠



- ①: push the front wheel folding knob
- ②: folding the lower bag support and fold front wheel then lock the knob

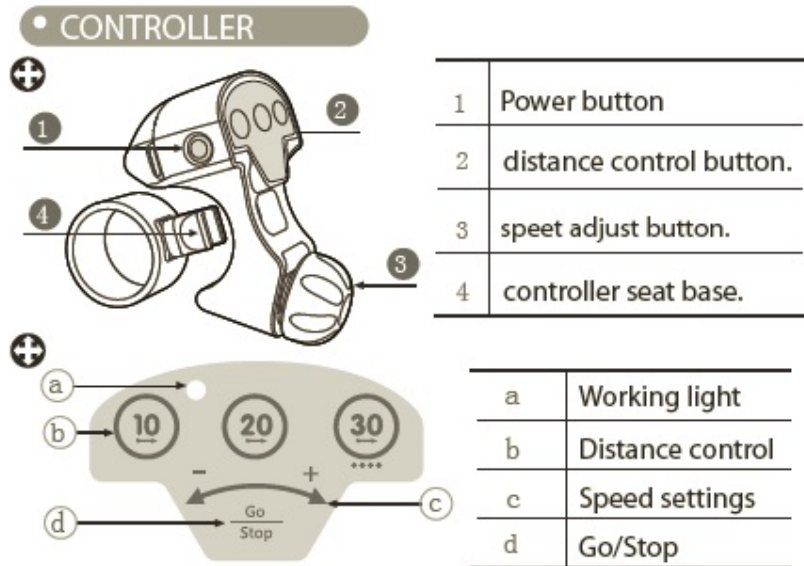
Warning:  
Any wrong operation may break the components. ⚠



③: spin down the bag support before folding trolley

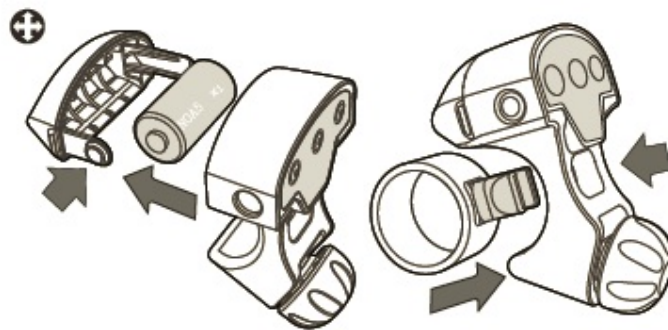


### 3.0 Wireless Control Fob



- (a) **Power LED:** Ensure the Operational LED on/illuminated when you start using controller
- (b) **Auto Distance Selection:** The controlling distance for 10,20,30 meters. The 30meter button is also the frequency synchronization button
- (c) **Speed Control Knob:** Turn the speed control knob to adjust the speed. Clockwise to increase speed. Counter-Clockwise to decrease speed
- (d) **Start/Stop Button** (Integrated into Speed Control Knob): Push the Speed Control Knob to Start or Stop the trolley

### 3.1 Battery Replacement



The Wireless Control Fob requires a Type A123 battery. Insert the battery in the correct position, matching "+" and "-" with the markings in the battery holder.

Other Notes:

- The remote control uses two 1.5V AAA batteries available in any supermarket, drug store or electronics store
- It is recommended to keep a set of extra batteries ready as replacement
- **It is strongly recommended to operate the caddy at a range not to exceed 10 yards in order to prevent the loss of control of the unit!**

## 4.0 Operating Instructions

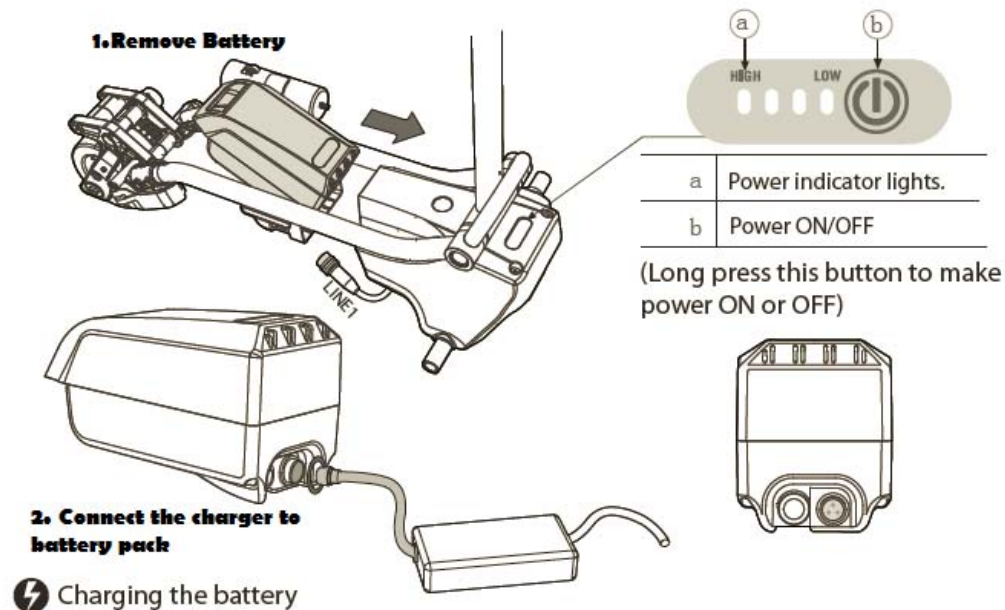
### PLEASE OBEY THESE PRECAUTIONS FOR BATTERY USE & CHARGING

- 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. 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) **EXPLOSION HAZARD!** Please do not disassemble the battery or throw it into a fire.
- f) **SAFETY HAZARD! NEVER TOUCH THE ELECTRIC POLES OF THE BATTERY!!**

## 4.1 Battery Charging & Maintenance

The SPITZER EL6 is equipped with an advanced ultra-lightweight Lithium type battery. It requires special care to prolong its life and ensure optimal performance. Please follow these important instructions and safety tips when charging the battery.

### Charging Instructions:



1. Ensure power is turned off and remove the battery from the chassis.
2. Connect the battery pack to the charger and plug into wall.
3. Charger will display green LED when the battery is fully charged.

**Battery Charging Notes:**

- The charge current should not exceed 2A current , if the charge current exceeds the specified value, it will damage the battery charge and discharge performance, mechanical performance and safety performance and possibly cause the battery to overheat heat or leak.
- Do not charge the battery with a voltage higher than the specified voltage 25.2V to avoid damage of the battery.
- Only use the supplied charger. Use of an unspecified charger may damage the battery and invalidate the warranty.
- Prohibit reverse charging of the battery. The battery must be connected correctly .
- The charger supplied is an auto “smart” charger. It will cease charging when it detects the battery is “full”. It is still recommended to disconnect the charger once the battery is fully charged.

**Battery Maintenance:**

1. Fully charge this battery if you plan to store it in a non-use state for an extended period of time.
2. Take care in handling the battery. If the battery is dropped or hit against a solid object, it will shorten the battery’s life.
3. Please store the battery in a secure location, out of reach from children.
4. For the initial/first charge of the battery ensure that charge the battery no less than 8 hours to maximize its capacity
5. Never place the charger on top of the battery when charging.
6. Keep the battery in a normal environment away from excessive heat and from damp environments.
7. The battery is only designed for this trolley,pls don’t use it on any other device or other purpose

The battery is a consumable item. Its performance will gradually deteriorate during its normal operation - this is a normal phenomenon. When the battery no longer holds enough charge, please contact Spitzer for purchase of a replacement battery.

## 5.0 Caddy Self-Test (IMPORTANT)!

Please review or follow these steps and guidelines to test your caddy prior to use every time.

### 5.1 Non-Moving Test (Initial Test)

Before actually using the SPITZER cart for the first time, it is recommended you operate the golf cart elevated at the drive wheels to familiarize yourself with how the cart works.

Elevate your cart with a paint can or a similar sized and strength item allowing your cart's drive wheels to freely move without touching the ground. The pictures below illustrate an example of how the cart can be elevated for this test. Follow the steps in Section 7.2 with the cart elevated in this manner.



### 5.2 Moving Test (Prior to each use)

Make sure this test is performed with the caddy in a wide and safe area, 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.

The functions of the caddy are controlled through wireless control fob. The variable speed control knob on the fob controls the speed and the Stop/Start functions of the caddy.

1. Ensure the variable speed control knob is at its "0" position. To verify, the knob should be turned counterclockwise.
2. Turn the main switch to "On" (I) position.
3. Turning the knob forward (clockwise) will increase the forward movement speed of the caddy.
4. To slow down or stop the caddy, turn the knob backwards (counterclockwise).
5. **In order to immediately stop the caddy press down on round speed control knob located on the wireless control fob!!**

**Make sure you are close to the caddy at all times while testing it and familiarizing yourself with the wireless control fob!**

The wireless control fob is designed to have a range of approximately 50 yards, but it is **strongly recommend to operate the caddy in closer ranges of 10 yards** to be able to react to any unforeseen events, such as other golfers crossing your path or to avoid hidden obstructions (creeks, bunkers) or an unexpected disconnection in remote operation.

## 5.3 Recommendations for Efficient and Safe Operation

- 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.
- Do not operate the caddy in narrow or dangerous spaces, places with valuables or any people gathering areas, such as parking lots, close to flowing traffic, bag drop-off areas, stores, driving ranges, putting greens and practice areas, pro shops, restaurants, starter areas and other areas where people or items could be harmed through an error or lack of skill in operation. In such situations the caddy should be best operated with its manual controls or without power. **Also, please make sure to always switch off the power (“0”) and secure the caddy when you park and leave the unit for any reason, either on or off course.**
- With its optimized balance and straight front wheel the caddy has extraordinarily narrow and responsive turning and maneuvering abilities. However, it sometimes tends to react to severe uneven weight distribution of its load or steep slope variations and follows the slope of the golf course. Therefore, please make sure the weight in your bag is distributed evenly (move heavy balls and items to both sides, or shift the bag on the caddy). Also, when operating your caddy by remote control anticipate the slope of the course in order to avoid frequent corrections in directions. In some extreme environments, such as very uneven terrain, steep hills, narrow and/or sloped cart paths, muddy areas, gravel paths, close to bunkers and hazard, around bushes and trees it is recommended to operate the caddy via manual control in order to prevent any collisions, damage or the need for complicated correction adjustment maneuvers.

## 6.0 Additional Functions

### 6.1 Free-Wheel Mode

The caddy can be operated without power. In order to activate the free wheel mode turn the main power switch into "Off" position. The caddy now can be pushed manually without resistance from the drive shaft.

### 6.2 Wireless Control Fob Frequency Synchronization

One controller can be synchronized with one trolley. Perform the wireless fob controller synchronization process as follows:

1. Turn off the power by holding the "Power" key on the control box until the power light turns off.
2. Press **and** hold the "distance control 30" key on the controller, at the same time turn on the power on the control box. If the Power LED indicator on the control fob is flashing with green lights, it means this remote controller synchronized with the trolley.

## 7.0 General Maintenance

The steps below will ensure that you experience a prolonged and reliable life out of your SPITZER EL6.

- 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 SPITZER EL6 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 any high-pressure jet washers to prevent moisture entering the electronic systems, motors or gear boxes of the caddy.
- 3) Remove the rear wheels every few weeks and remove any debris that might cause the wheels to drag. Apply a hydrophobic lubricant, such WD-40 to keep moving parts smooth and corrosion free.
- 4) A four - five hour round of golf played once a week for 12 months is equivalent to four years use of a lawnmower, so please inspect your cart at least once a year thoroughly, and if you notice any symptoms of wear, contact your SPITZER 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).

All of these recommendations will help keep your SPITZER EL6 in top condition and ensure that it remains your reliable partner, both on and off the course.

## 8.0 Electronic Systems

- **Wireless Control Fob Range:** We recommend not exceeding 10 yards distance. The greater the distance between you and caddy, the greater the chance of losing contact with it.
- **Microcomputer:** The caddy has 2 microcomputer controls: The first is in main controller box. The second is in the remote control transmitter handset.
- **Safety Protection:** When the temperature of the controller box reaches its upper limit in case of an overload it will automatically shut down to cool off.
- **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 switch 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.



## 9.0 Technical Specifications EL6

Feature	Specification												
Speed Control	<ul style="list-style-type: none"> <li>• Wireless Control Fob</li> <li>• Function: Speed Control (Forward Only), Auto-Distance (10/20/30m)</li> </ul>												
Motor	<ul style="list-style-type: none"> <li>• Power: 1 x 180 Watt</li> <li>• 24 V DC Electric</li> </ul>												
Drive Train	<ul style="list-style-type: none"> <li>• Rear Wheel Drive, Steel Gear (17:1 ratio)</li> </ul>												
Battery	<ul style="list-style-type: none"> <li>• Power: 24V</li> <li>• Average Charge Time: 4 Hours</li> <li>• Lifetime: 600 charges</li> </ul>												
Charger	<ul style="list-style-type: none"> <li>• Input: 100/240V AC</li> <li>• Output: 24V/2A DC Trickle Charger</li> </ul>												
Weight	<ul style="list-style-type: none"> <li>• Net Weight Caddy: 18 Lbs (8.2 kg)</li> <li>• Net Weight Battery: 4 Lbs (1.6 kg)</li> <li>• Total Net Weight: 22 Lbs (10 kg)</li> </ul>												
Speed	<ul style="list-style-type: none"> <li>• 5.4 m/h (8.6 km/h)</li> </ul>												
Distance/Range	<ul style="list-style-type: none"> <li>• 18 Holes</li> </ul>												
Maximum Load	<ul style="list-style-type: none"> <li>• 55 Lbs (25 kg)</li> </ul>												
Climbing Ability	<ul style="list-style-type: none"> <li>• 25 degrees</li> </ul>												
Dimensions	<table border="1"> <thead> <tr> <th></th> <th>Full</th> <th>Folded</th> </tr> </thead> <tbody> <tr> <td>• Length</td> <td>64cm</td> <td>60cm</td> </tr> <tr> <td>• Width</td> <td>56cm</td> <td>56cm</td> </tr> <tr> <td>• Height</td> <td>26cm</td> <td>26cm</td> </tr> </tbody> </table>		Full	Folded	• Length	64cm	60cm	• Width	56cm	56cm	• Height	26cm	26cm
	Full	Folded											
• Length	64cm	60cm											
• Width	56cm	56cm											
• Height	26cm	26cm											
Rear Wheels	<ul style="list-style-type: none"> <li>• Airless, rubberized tread</li> </ul>												
Front Wheels	<ul style="list-style-type: none"> <li>• Airless, rubberized tread</li> </ul>												
Materials	<ul style="list-style-type: none"> <li>• Frame: Aluminum</li> <li>• Bag Support: ABS, Nylon</li> </ul>												
Colors	<ul style="list-style-type: none"> <li>• Painted: Silver</li> <li>• Oxidized: Stainless Steel</li> </ul>												
Additional Accessories	<ul style="list-style-type: none"> <li>• Cup Holder • Seat • Umbrella Holder • Carrying Bag</li> <li>• Rain Cover • Scorecard Holder</li> </ul>												
Warranty	<ul style="list-style-type: none"> <li>• 1 Year on Parts</li> </ul>												
Packaging	<ul style="list-style-type: none"> <li>• Type: Cardboard Box, Styrofoam or Cardboard Cushioning</li> <li>• Dimensions: 30" x 25" x 14" (65 x 53 x 30 cm)</li> <li>• Gross Weight: (13 kg)</li> </ul>												

## 10.0 Frequently Asked Questions (FAQ)

1. **Question:** I lost my remote control handset.

**Reply:** You can purchase a new remote handset from [www.spitzergolf.com](http://www.spitzergolf.com). Follow the instructions in Section 6.2 to re-synchronize the remote control.

2. **Question:** When I connect the battery plug to the caddy and turn the main switch on, the battery indicator lights do not come on.

**Reply:** Inspect if the battery leads are well connected to the battery.

3. **Question:** The caddy's main switch is on, and all battery indicator lights are on, but the caddy does not run or one motor does not run.

**Reply:** Please check the motor connectors on the controller box and if connector pins are in the correct position.

4. **Question:** The caddy does not respond well to the remote control handset?

**Reply:** Please check the condition of the handset batteries. Make sure you do not exceed the range distance limit.

5. **Question:** The trolley stops by itself.

**Reply:** Please check the battery charge. 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 a while.

6. **Question:** The caddy tracks to one side.

**Reply:** Please make sure that the weight distribution of your golf bag is balanced on the caddy. To adjust the tracking loosen the axle screw of the front wheel on the right side, and adjust the wheel position accordingly. Tighten the axle screw after the adjustment to make sure the front wheel stays in the desired position.

7. **Question:** The caddy does not respond at all to the remote control handset.

**Reply:** Follow the instructions in Section 6.2 to re-synchronize the remote control.

## 11.0 Support Information

### **SUPPORT INFORMATION**

**FOR ANY FURTHER INFORMATION OR SUPPORT ISSUES, PLEASE CALL  
SPITZER GOLF AT 1-800-814-6536 OR EMAILS WILL BE PROMPTLY  
RESPONDED TO AT [SUPPORT@SPITZERPRODUCTS.COM](mailto:SUPPORT@SPITZERPRODUCTS.COM)**