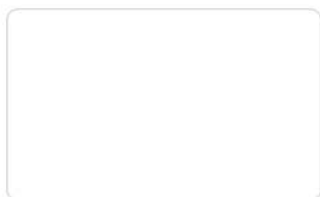


**Freewalker**



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**OWNER'S  
MANUAL**



**FREEWALKER**  
ELECTRIC GOLF BUGGY

DESHENG INDUSTRIAL DEVELOPMENT CO.,LTD

# Freewalker

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## Freewalker

joints should be greased occasionally.

### Troubleshooting

We believe that your Freewalker is the most reliable golf trolley available. It has no gears or differential to wear, no brushes to wear and a very reliable battery. All pivots have been also designed to eliminate wear. Rust proof fastenings have also been used throughout the design to reduce wear and tear. The controller has been designed to provide functionality, self-diagnostic, over-current, over-heat, lower voltage, and other protections. The battery equipment features a fuse to ensure that over current will not damage the battery.

Despite our confidence in Freewalker, the following guide will help you if you experience any problems:

Symptom	Cause	Remedy
Freewalker works for a while but slows and stops before you complete a round	Battery has not been fully charged or is not holding a full charge	Charge the battery for at least 8 hours Ensure that the charger light goes to red on Connection and then Changes to green after a maximum of 8 hours
	The battery may be old or the charger may be faulty.	Return the battery and charger to the retailer for testing
Freewalker won't go	Battery not connected or on/off switches incorrectly set	Check connections and settings
	Battery fuse is blown	Check and replace as necessary
	Controller/wiring/motor fault	Contact Retailer to arrange for repair service.

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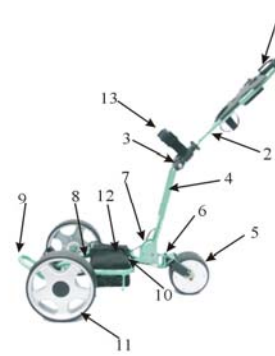


Fig1

- |                            |                           |
|----------------------------|---------------------------|
| 1-Operation board          | 7-Lower handle lock       |
| 2-Upper Handle             | 8-Battery Power Connector |
| 3-Upper handle Lock        | 9-Lower Bag Support       |
| 4-Lower Handle             | 10-Controller             |
| 5-Drive wheel with AT tire | 11-Front Wheels           |
| 6-Steering bearing         | 12-Battery Pack           |
|                            | 13-Upper Bag Mount        |

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## Welcome to the world of low stress golf

Welcome and thank you for purchasing the Freewalker Electric golf trolley.

The lightweight, powerful Freewalker has controllability and ease of use that is second to none.

Please take some time to read this manual carefully so that you will get the maximum enjoyment from your Freewalker. If you have any questions or queries after reading the manual, please do not hesitate to contact the retailer or supplier. Please be sure to fill in the warranty card and send it to your retailer or supplier as soon as possible. This will register your product to ensure continued support and also qualify you for special promotions which we may run from time to time. If your warranty card is missing please call your retailer or supplier.

## Safety Notices

- ◆ Do not drop or damage the fully sealed batteries as they contain acid, which may burn skin and could cause blindness. Never attempt to open the battery case or incinerate the battery.
- ◆ Always charge the batteries in a well-ventilated area. During normal use the battery is effectively sealed and practically no acid or gases escape from the case, ensuring a very safe operation of the trolley. However in the event of charging or battery malfunction explosive gas may be released.
- ◆ Keep the battery away from sparks, flames and dangerous chemicals.
- ◆ Always switch off the power at the mains before connecting or

## SAFETY NOTICE:

The charger supplied with your Freewalker will go from RED (rapid charge) to Green (trickle charge) within a maximum of 8 hours. If the charger remains on red for a longer period then please disconnect the charger as the battery may be damaged. If this problem persists call your retailer.

The Freewalker battery is fused (20A) to protect from over current. The fuse is located inside the battery bag and should be checked in case of apparent power failure.

## Technical Specifications

Frame	High strength aluminum
Motor	200w, 24 volt, high torque, brushless
Weight	18kg including batteries
Folded Size(wheels on)	83cm x 64cm x 27cm
Folded Size(wheels off)	83cm x 35cm x 22cm
Range	36 holes
Battery	2 x 12v 12AH (288WH) sealed lead acid
Battery Charger	Three stage automatic 1.8A output

## Care of your Freewalker

Whilst the Freewalker is designed to be used in both wet and dry conditions, like any electronic device it is advisable to limit the amount of rain that it is exposed to during play and it should not be left standing in the rain.

The Freewalker should never be hosed down but rather wiped clean with a damp cloth then dried and stored in a dry place.

From time to time ensure that nuts, bolts and screws are tight, joints

been used, even if for only a few holes. For best battery life we recommend leaving the batteries charging whenever the Freewalker is not in use.

Never leave the battery connected to the charger when the main power switched off as this can drain the batteries.

Never leave the battery connected to the trolley when it is not in use even if the trolley is switched off as this can drain the batteries.

**Charging the Batteries**

Only use the charger supplied with the trolley. The use of ANY other Charger may damage the batteries and will void the warranty.

Never connect the charger to mains power first. Always connect the charger to the batteries first and then connect the mains.

The charger has two lights which monitor the charging process.

RED-the mains power is on and the batteries are charging rapidly.

GREEN-the batteries are in the last charging phase. This final stage of the process is very important to battery life and must be allowed to complete. Within 1-2 hours of this charging stage (i.e after the battery charger light has changed from red to green) the batteries are fully charged and are being maintained at peak charge by the charger. Once fully charged it is desirable to leave the charger connected and switched on until the Freewalker is to be next used.

Charging Time-After 36 holes of golf the battery will be fully recharged in about 8 hours.

If the charger is switched off, be sure to disconnect the batteries. If the batteries are not used for long periods of time, charge them fully, disconnect them from the charger and store them in a cool, dry place. When stored like this be sure to recharge them for 24 hours at least once every two months.

disconnecting the charger.

◆ Do not put anything metallic near the battery terminals as this may risk short-circuiting the battery with the risk of fire or explosion.

◆ Do not place the charging unit on surfaces such as rugs, blankets etc, or near material such as curtains, drapes etc, which may block the ventilation slots.

◆ During operation, ensure that the trolley is under control at all times. In the event of a collision, damage to people or property may occur.

◆ Freewalker is designed to carry a golf bag of up-to 20Kg. Overloading the trolley may cause damage and will invalidate the warranty.

Freewalker is designed for the player to walk behind and steer by moving the handle in the desired direction of travel.

The controls are on the operation board. All of the weight is taken on the three wheels at all times so the player only has to operate the controls and steer. The two large diameter front wheels roll freely whilst drive is from the single steering wheel at the back.

The motor is contained within the rear wheel and drives magnetically with no brushes or gears to wear out or create noise.

In just a few seconds Freewalker folds into a tiny package, useful fitting in very small cars and for easy storage.

All controls are located on the operation board (Fig2). There are three buttons, three LED lights and adjustable speed roller with switch.



**Speed roller with switch:**

The speed is set by a roller at the side of the operation board (Fig2). This can be set to adjust the speed of the trolley from about 0kph to 7kph. The actual speed of the trolley will depend on the speed setting and the terrain.

**Functions:**

The function of the function buttons as follows.

Button	Function
Start	When the Start button is pressed a GREEN LED1 light will turn on, indicating that the unit is ON with a full Battery. When the battery capacity falls to 50%, the LED3 will turn ORANGE. The LED1 will turn RED(Flash) when The battery is flat, warning you to charge the battery soon.
Stop/brake	The Stop function operates by pressing the button, turning The LED3 RED to indicate that the brakes are ON. Pressing The Stop button again will return the LED3 GREEN, Indicating that the brakes are OFF and that the unit can be moved freely.
Timer	Press the Electronic Distance Function button; your Trolley will proceed at the selected speed for the Distance (15/30/45M) you have selected. Pressing the button once will turn the LED2 GREEN indicating that The unit will travel for 15m at the set speed. Pressing the button again will turn the LED2 RED indicating that the Unit will travel 30m. A third press of the button will turn the LED2 ORANGE indicating that the unit will travel 4 5 m.

This can be done by applying a little downward pressure on the handle.

To negotiate kerbs and other large "step up" obstacles the correct procedure is to turn the power off, spin the trolley around on the front wheels, place the small rear wheel in the kerb and pull the trolley onto the kerb. When the trolley is facing in the desired direction the power can then be switched on when required.

When parked on slopes the trolley should be positioned at an angle across the slope, which will prevent the trolley from rolling away. Of course if you have the optional foot brake, you can park the trolley by the foot brake.

The upper handle lock should always be in place and never apply too much downward pressure to the handle.

**Caution:**

Freewalker is designed to carry a maximum 20kgs (tested to 25kgs) golf bag and should not be used to carry excess weight or to pull you along. Any of these actions may damage your Freewalker and will invalidate the warranty.

**Care of the Batteries**

The batteries are a valuable part of your investment and must be looked after correctly.

Read the safety notice at the start of this manual.

The batteries should never be run flat. The standard batteries are adequate for 36 holes provided that they are played on the same day. You should not play on consecutive days without fully recharging the batteries in between. Very hilly terrain and/or exceptionally high or low temperatures can adversely affect battery performance. The published 36 holes range is based on use under normal conditions.

The batteries must be charged as soon as possible after they have

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Freewalker is too fast to negotiate a hill, engaging Descent control will then limit the speed of the trolley and allow for more control.

**POWER BRAKE**-This is in addition to the descent control. The electronic brake can be utilized in the following ways:

If the hill is very steep and requires additional braking, the brake button can be pressed once and again repeatedly in order to control the speed of the descent -or alternatively the brake button can simply be pressed on and the trolley will make its descent at a slow crawl.

**LOW BATTERY PROTECTION**-Protects the battery from damage as a result of being excessively discharged. The effect of this is that when the battery capacity drops 10% of the capacity left, the LED1 beside the "Start" button will flash red and warn you to recharge the battery soon. If the battery capacity is empty, the trolley will stop, however just prior to it stopping a vibration may be felt through the trolley-again this is a normal function of the trolley.

### Horizontal Springs above Yoke

The springs serve to assist the trolley in running on a straight line. They are factory set and should not normally be adjusted. Should adjustment be required, tightening the left spring will cause the trolley to turn more to the left and will correct a trolley that tends to run off to the right and vice versa. Care should be taken not to over tighten as this can reduce the turning circle.

### Tips for using the Freewalker

In very tight spaces you can lift the handle and the rear wheel, allowing you to spin the Freewalker around on the two front wheels in order to make tight turns.

On very slippery surfaces more weight on the rear driven wheel will help with traction.

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## Freewalker

handle locks in place by the upper handle lock, the height of the upper handle can be adjusted.



### Step 3: Install the Battery

The battery pack is fitted in a tough nylon bag. To install the battery onto the Freewalker, simply locate the battery in the battery cage, and close the Velcro straps. NOTE: when installed on the trolley the power lead from the battery should be facing towards the front right of the battery cage.

### Step 4: Connect the Battery

Before connecting the battery ensure that speed roller set to the "off" position. The battery cable is then plugged into the socket located on the front of the controller box.

### Step 5: Position the Golf Bag

Undo the top and bottom straps, rest the golf bag on the mounts and tighten the straps around the top and bottom of the bag. It is important to ensure that the bag is securely attached as the bag braces the Freewalker handle and is integral to the rigidity of the Freewalker.

Position the golf bag centrally so that the weight is proportionate. Freewalker is now ready for seriously relaxed golf.

### Using your Freewalker Trolley

Before first use it is vital that the battery is charged for at least 8 hours to ensure that the maximum charge level is attained. See the later

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## Freewalker

### Freewalker Contents

The Freewalker carton will contain the following items:

- ◆ Frame with handle folded, integral rear wheel and bag straps
- ◆ Front wheels x 2
- ◆ Batteries in a custom fit battery bag
- ◆ Battery Charger
- ◆ Scorecard holder with storage apartment
- ◆ User Manual

If you have ordered optional parts such as umbrella holder, seat and footbrake, these will also be included in the Freewalker box. If any of these items are missing please contact your retailer or supplier immediately.

### Freewalker Assembly

#### Step 1: Install the Wheels

The wheels are complete with freewheel axles and bearings, these fit in the holes at the ends of the crossbar and are held in place by a screw with a knob. Slacken the screws if necessary, push the axle fully into the hole and tighten the screws to secure the wheels in place.



#### Step 2: Unfold the Handle

The lower handle locks into position in the folded position to make the Freewalker easy to carry. To unlock it pull the locking pin out and raise the lower handle. Raise the lower handle until the locking pin locates and secures the lower handle in the upright position. The upper

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### section "Charging the Batteries"

Freewalker incorporates the features SOFT START, TIMER, CRUISE CONTROL, DESCENT CONTROL, POWER BRAKE and LOW BATTERY PROTECTION.

**SAFE START**-Prevents the motor from driving the trolley until the "Start" button pressed, if the Freewalker is stationary when the power is switched on nothing will happen until the user presses the "Start" button.

The recommended starting procedure is as follows:

- ◆ Switch on the speed roller, the LED3 beside the "Stop/brake" button will be green.
- ◆ Press the "Start" button, and then adjust the speed of the trolley to your preferred walking pace by means of the speed roller.

To stop the trolley, press the "Stop/brake" button. When you want to continue just press the "Start" button it will resume at the same speed that it was last set to.

**TIMER**-Press the "Timer" button, your trolley will proceed at the selected speed for the distance (15/30/45M) you have selected.

**CRUISE CONTROL**-Cruise control maintains the speed of the trolley irrespective of terrain, so you do not need to continually adjust the speed roller of the trolley when going up or down hills to hold a constant speed.

This is very noticeable on undulating fairways when the trolley cuts power going down on undulation and applies power as it starts to go up hill -this is a normal function of the trolley.

**DESCENT CONTROL**-Setting the speed roller to minimum (i.e. fully towards you) can activate descent control. If the set speed of the

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## Freewalker

### Warranty

Each Freewalker has been carefully inspected and tested prior to dispatch. Accordingly the trolleys are guaranteed against failure due to defective materials and workmanship, under normal usage, for a period of one (1) year from the date of purchase.

This warranty is applicable to the original purchaser only and is non-transferable. Original proof of purchase is required to validate the warranty and therefore you should retain your receipt.

The obligation under this warranty shall be limited to the repair or replacement of any trolley or component returned within the warranty period, which, upon examination proved to be defective. Replacement may be with new or reconditioned components at the discretion of the repairer.

This warranty is void if: (a) any trolley or component has been abused, misused, altered or attempted to be repaired by other than an authorized repair agent; (b) you have connected any fittings or accessories not approved by the manufacturer; (c) you have failed to follow the instructions given in the user manual.

This warranty excludes any claim for consequential damage or loss howsoever caused.

In the event of a failure you should contact your Retailer who will advise you of your nearest authorized repair agent with whom you can make arrangements for your Freewalker to be inspected. Freight, postage or transport costs for delivering your Freewalker to the agent are not included in this warranty.

The battery and the charger is warranted for one (1) year from the date of purchase against faulty workmanship or material.

This warranty is void if the instructions for battery care described in the user manual have not been adhered to.

Battery performance will deteriorate at a highly increased rate if it has not been maintained in accordance with the instructions contained within the user manual. Claims for poor battery performance later than 90 days from

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the date of purchase will therefore only be considered if the battery shows visible external signs of battery failure.

If the warranty claim on the battery is not allowed then the customer will be charged for testing and return freight.

You are advised to complete your details below and attach your original proof of purchase.

Name	
Address	
Telephone / Mobile	
Email	
Serial Number	
Place of Purchase	
Date of Purchase	

#### Packaging advice for returning products:

- ◆ Pack it very carefully and insure it
  - ◆ Enclose this card with your original receipt attached
  - ◆ Enclose details of the fault / instructions for repair
  - ◆ Ensure that the return address details are correct
- Please keep this warranty card in a safe place.