

Thank you for purchasing a Powakaddy Robokaddy.

Your Robokaddy is factory programmed and ready for use. However, please take time to read this manual and practice the various controls before your first game.

- Before you do anything else, please put your battery on charge for at least 24 hours to activate it. To do this, connect your charger to the battery with the special Powakaddy Interconnect lead, now plug the charger into the mains and leave for 24 hours to activate it.

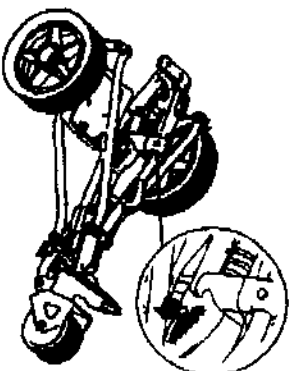
- Meanwhile, take time to read this manual and learn about your exciting new purchase.

- The Powakaddy Robokaddy comprises of a one piece machine that "snaps" into place in two easy moves, an antenna, transmitter, zero tip wheel, battery and charger.

- With the main section flat on the floor, stand behind the trolley, release the locking catch beneath the handle by sliding it forward as shown and pulling up on the main handle.

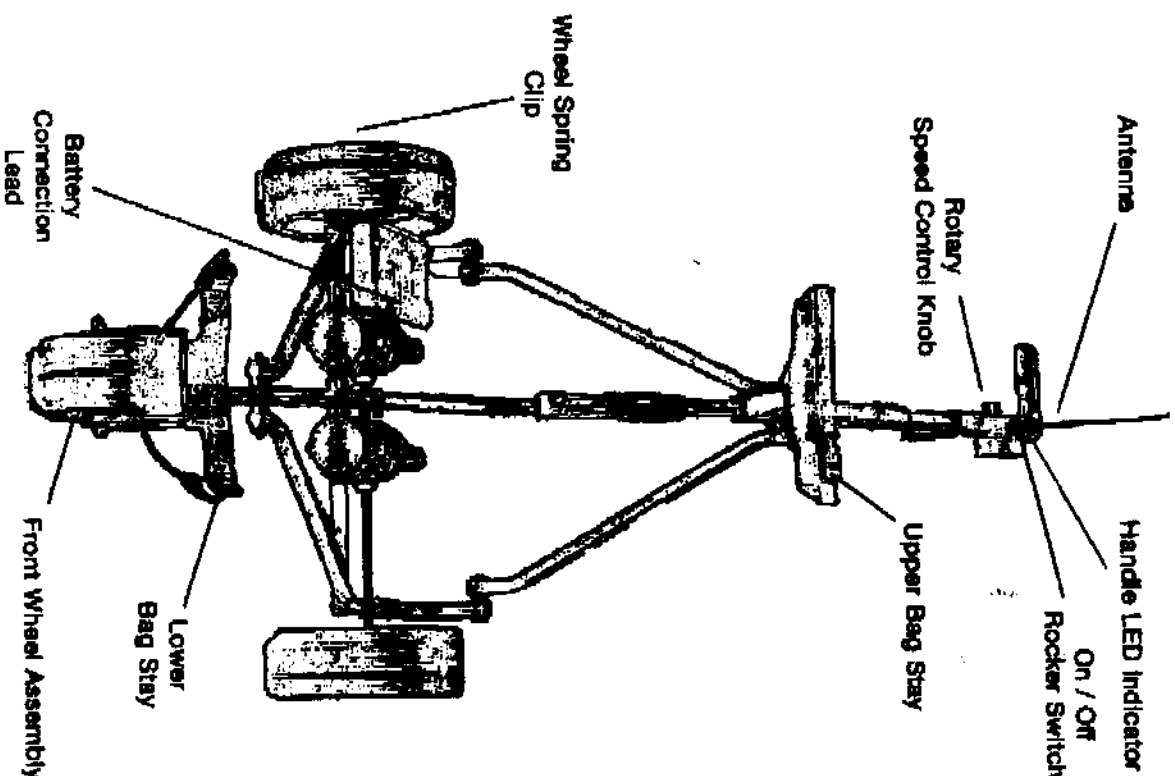
- As the handle reaches the "in use" position the mechanism will "click" and lock into place. Once locked in, lower the upper bag stay into position. Now fit the zero tip wheel by placing the wheel housing on the rear tube and lifting the plunger. Allow the plunger to click into place.

- Screw the antenna into the screw terminal on the handle.



- Using the carry strap, carefully place a fully charged battery into the Robokaddy battery tray with the lead connector facing the inside of the trolley.

You are now ready to "get to know" your Powakaddy Robokaddy.



IMPORTANT PRACTICE IN AN OPEN SPACE AWAY FROM OBSTRUCTIONS.

Study your transmitter and learn the functions below, later in this manual you will find some advanced features, the ones below however will get you started.

Before you start, check that both the rocker and rotary controls are off, connect the battery and push the on/off switch to on. **NOTE:** If the battery is connected with the speed turned up the machine will remain stationary until enabled by first winding the rotary speed control back to zero.

Plus Key - Press this key once and the Robokaddy will start to move in a forward direction, keeping your finger on the key will take the Robokaddy to maximum speed. As soon as you release your finger the Robokaddy will continue at that speed.

Minus Key - Press this key to slow down your Robokaddy. As soon as you release your finger the Robokaddy will continue at that speed. Please note that this key will not stop the trolley, it will take it only to the slowest speed.

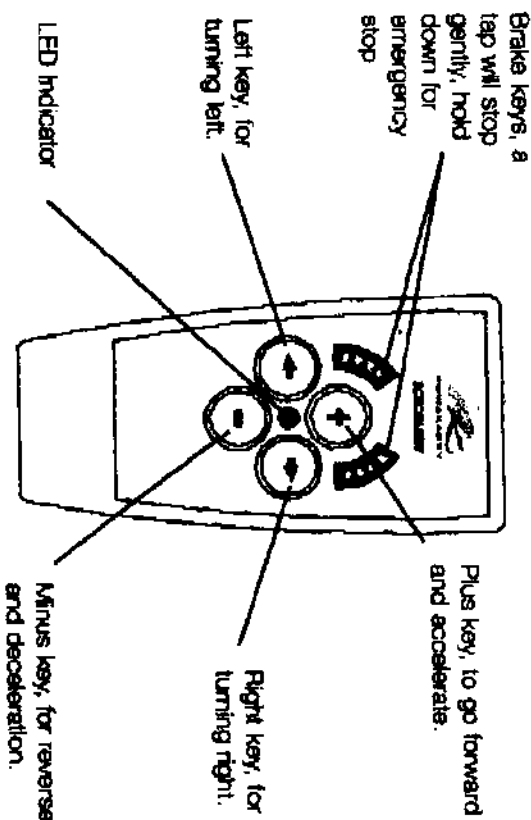
Left Arrow - A gentle push of this key will turn the Robokaddy left and then continue straight in the new direction, a prolonged push will result in a tighter turn. You may have to practice this to perfect it.

Right Arrow - To turn right, the procedure is exactly the same as described in "left arrow" above - Ensure you practice both ways.

NOTE: By steering the machine with either the left or right keys the Robokaddy will turn on the spot and stop as soon as you release the key. This is ideal for "getting out of a tight corner".

Brake Keys - A single depression of either brake key will bring your Robokaddy to a halt in less than 1 metre. A prolonged depression (more than 1/2 second) will bring your trolley to an emergency stop. Do not use the emergency stop as a matter of course as this may cause the Robokaddy to skid. Pressing the key for more than 5 seconds will turn off your hand set. Pressing the plus key will turn it on again.

Reverse - Reverse is achieved by stopping the trolley and then pressing the minus key. Once in reverse you can steer left and right too. Reverse has only one preset speed. To go into forward mode, you must first press the brake key. **NOTE:** Reverse can only be achieved once the machine has been forward in remote mode at least once.



- Your Robokaddy handset has been designed for ease of use whether you are left or right handed.
- Take time to practice the difference between a single touch of the key and a prolonged push especially with left and right functions.
- The clip on the back of the handset makes it ideal for clipping to a pocket or belt. Don't store it in your pocket in case you accidentally engage the remote mode.
- Never store the handset in a pocket with, for instance, loose change. Never allow the handset to get immersed in water.
- The handset takes replaceable batteries, you will need a very small cross head screw driver to remove the back.

Note: - Do not use rechargeable batteries in the hand set as these batteries do not give sufficient voltage for this transmitter.

The rate at which course correction, i.e. left/right, is achieved will depend on course conditions, speed and weight of the loaded bag.

- Your Robokaddy complies with all current telecommunications regulations.
 - Your Robokaddy is designed to operate within a range of 50 metres, depending on atmospheric conditions, such as damp and foggy weather and / or wet ground. Additionally overhead cables, hills and trees will affect range.
 - We strongly recommended not Exceeding 50 metres while operating in remote control mode. The greater the distance between you and the Robokaddy, the greater the chance of losing contact with it. Should this happen however, the Robokaddy will stop automatically after about 7 seconds.
 - Interference can take many forms. Nearby high voltage power lines, cellular phones or CB radios are all typical sources. Certain obstructions such as mounds, clusters of trees etc. will reduce the distance of transmission.
 - The replaceable batteries contained in the transmitter must be replaced periodically depending on frequency of use. Batteries in the transmitter must be replaced when the LED display on the transmitter becomes weak or starts to fail. Be very careful to ensure the batteries are inserted correctly. Do not use re-chargeable batteries as they do not give sufficient voltage for this transmitter.
 - In car parks, confined spaces, down steep hills or where there are lots of people, we recommend that you only use manual mode.
- IMPORTANT** - If you send your trolley off in manual mode and then try to regain control with the hand set, you must briefly press the plus key to turn on your transmitter before pressing the brake or left/right keys.

Safety Notes: The Robokaddy is more safely used when you select manual mode to go across bridges, narrow paths, steep slopes or between trees, avoid directing the Robokaddy around cars or buildings using remote control mode and never direct the machine at people or other trolleys.

Your Robokaddy is fitted with some special features to give you maximum control and adaptability. You will not need them often, however it is worth reading the instructions now to familiarise yourself with the range of features available to you.

LED Signal Indicator

Your Robokaddy is fitted with a sophisticated LED Signal Indicator on the handle. This will help you to diagnose any problems with interference. The LED will blink green in time with your hand set when all is well and the machine is receiving a correct frequency and code. Should the machine pick up interference from the same frequency but the wrong code, the LED will flash red. Should you get the red flashing LED on the handle, look for possible causes of interference as listed on the previous pages.

Matching your transmitter to your machine

If you should ever lose your transmitter OR you have had the need to re-code it, it will be necessary to match it to your machine in order that they can communicate.

The "code" of your unit is shown next to the serial number label which is located underneath the battery tray, you will need to quote the code when speaking with us.

Serial Number 12345 Code 253

Should you need to change the code of your hand set and receiver you will need some specialist help from Powakaddy. Please call us for details and we will be happy to assist.

In the highly unlikely situation that you find yourself and a playing partner on the same code, you will both need to revert to manual operation for that round. Thereafter speak to Powakaddy for assistance.

Left/Right trimmer

Occasionally you may find that on flat, even terrain your trolley, when sent in a straight line will have a bias to the left or right. Should this occur, we have provided an adjuster. On the black box under the battery tray is a small rotary knob, this will give left and right bias. Turn gently to the right to give a turn to the right and vice versa when turned left. You will need to experiment to get the perfect line, a bit like golf really!

How do I use the trolley in remote control mode?

- Assemble the Robokaddy as shown in "assembly". Turn the rotary speed control fully anti clockwise to zero and the on/off switch off.
- Connect the battery.
- Turn the on/off switch on. There is no need to touch the rotary control knob for remote use.

How do I switch the trolley from manual control to remote control?

- Simply start to use the hand transmitter with the plus button the trolley will automatically switch to remote mode.

How do I regain manual control from remote mode?

- Hold the brake button for more than 5 seconds to turn off the transmitter, turn the rotary control knob off, switch the on/off switch to off and then back on again. You can now use like a normal manual electric trolley.

How do I use the trolley in manual mode from the start?

- Turn the rotary control switch to "off".
- Connect the battery.
- Turn the rocker switch on.
- Turn the rotary control knob and adjust to the desired setting.

How do I brake the trolley on a downhill slope when in remote mode?

- Press the brake button once and the motors will stop, however the trolley can still move down the slope against the motors. If an "emergency stop" is required you must press the brake button for more than 1/2 second. Please note that if you press the brake button for more than 5 seconds you will turn the transmitter off.

- On steep slopes your tyres may slip. In these conditions, as with any trolley, you will need to hold the handle and help the trolley along.

Are there any special conditions that I should be aware of?

- On steep uphill slopes we recommend that you use manual operation however, you may like to try either zigzagging up the hill or directing the trolley to a lesser gradient.
- On steep slopes down hill ensure that you keep full control of the Robokaddy with the hand set. In the most difficult of conditions it is best to hold the handle and walk it down in manual mode.

How do I disengage the wheels for freewheel use?

- On each wheel depress the spring clip and pull the wheel outwards by a couple of millimetres, now release the spring clip and pull again until it clicks into place, the wheel should now freewheel. To re-engage reverse the instructions above ensuring the roll pins enter the slots on the wheels.

NOTE - The degree of turn may vary from one side to the other depending on bog load and course conditions.

Problem

Possible Cause

What to Try

My Robokaddy will not work.

Main battery flat.
Handset batteries flat.

Fully charge battery.
Check the red LED in the centre of the handset.
Replace batteries if required. Also try the Robokaddy in manual mode.

Main battery not connected.

Check battery connections.

Switching from remote to manual.

Turn the machine off with the rocker and try again.

Machine is out of range.

Move closer and try again.

My Robokaddy stops on the course without my command.

Batteries are running very low.

Recharge battery/replace. Have the battery checked.

I can't push my Robokaddy.

Have you disengaged the wheels?

Check and follow section on disengaging wheels in Q and A.

My Robokaddy will not go in reverse.

The trolley must go forward in remote mode first.

Go forward in remote, stop, and then try again.

My Robokaddy works in remote control mode but is weak or will not move in manual setting.

The main battery is weak.

Re-charge your battery fully - if symptoms persist consult your Powakaddy service agent.

My Robokaddy is intermittent in remote mode.

Interference.

Check the LED handset indicator, if red when using the transmitter. Try moving or avoiding the cause.

- Wipe your Powakaddy Robokaddy after each outing to ensure it runs smoothly and keeps it's good looks.
- To keep the cart clean, use a mild detergent and warm water, do not use any high pressure jet washers. Remove the main wheels every few months and remove any debris that might cause the wheels to drag. Clean the spindle and lightly grease before replacing the wheels.
- A four hour round of golf played once a week for 12 months is equivalent to, say, four years use out of a lawnmower. So once a year, at least, thoroughly inspect your cart, and if you notice any symptoms of wear, consult your local Powakaddy service agent.
- It is also advisable to have your charger checked periodically, particularly when buying a new battery. This will ensure that your charger is still charging correctly and ensure maximum life of your new battery.
- Always put your machine together before connecting the battery.
- If you prefer not to leave your battery on charge, as you know that you will not be playing for at least a month, you can store the battery. Fully charge the battery, remove from the charger and store in a place where the ambient temperature is above 10 degrees Celsius (+10°C) and less than 30 degrees Celsius (+30°C). Recharge every 3 months for 24 hours and before your next round.

The battery supplied with your Powakaddy Robokaddy is one of the most advanced of its kind. However, it is worth remembering that all cart batteries work on the same fundamental principles. Because of this, a battery begins to age the day it is made. You cannot stop this process, but you can prolong it's life. Conversely, incorrect treatment can cause irreversible damage.

This is how you prolong its life:

1. When you get your brand new battery, put it on charge for at least 24 hours to "activate" it.
2. For the first three outings you may find that your Robokaddy is a little tired at the end of the round, this is normal and will be fine once the battery has reached full power, normally after three rounds.
3. Always recharge your battery as soon as possible after use but certainly within 24 hours.
4. Always keep your battery on charge between games.
5. Never leave your battery connected to the charger with the mains switched off, or during prolonged power failures, your battery may be irretrievably discharged.
6. Never play more than 18 holes without fully recharging - you will discharge the battery below its designed minimum voltage and damage it.
7. Never drop the battery or charger. Avoid the battery "rolling" in the boot of your car.

On rare occasions manufacturing faults do occur, they generally show up in the first couple of months use. Your local Powakaddy service agent has special equipment to test for this. If it is a manufacturing fault and the battery is within warranty period, then the test will be free and your battery replaced. If, however, no manufacturing fault is found, you may be charged for the test.