



GRX-1155R

Remote Control Golf Cart

User Manual



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1 Introduction

Thank you for purchasing this golf cart. Please read this manual carefully before use.

After unpacking please keep the carton and all internal sections in safe storage. In the unlikely possibility that you need to return the whole unit due to a defective component, you will need to repack the unit in the original manner to ensure safe and secure transit.

Check all components are included in the package –

- Main cart frame.
- Transmitter
- Drive wheels
- Back support wheel
- Battery complete with battery bag
- Battery charger
- User Manual
- Tool kit

After unpacking the cart place the battery on charge whilst you assemble the unit. The battery will be delivered with a charge but should always be placed on charge overnight before using.

Contents of this manual cover assembly from the delivery carton – operating instructions and conditions – maintenance – and troubleshooting. Please note that our design and manufacturing policy is aimed at continuous improvement – this can result in changes without notice to the specifications contained in our websites and in this manual.

2 Main component identification



| | | | | | |
|---|--------------------------|----|------------------|----|--------------------------|
| 1 | Manual speed control | 6 | Battery | 11 | Front wheel assembly |
| 2 | Handle LED | 7 | Drive wheel | 12 | Upper bag support holder |
| 3 | Cart lock device | 8 | Battery tray | 13 | Lower Bag holder strap |
| 4 | Upper bag support holder | 9 | Stabilizer wheel | 14 | Upper Bag holder strap |
| 5 | Hinge | 10 | Motor/Gearbox | | |

3 Assembly



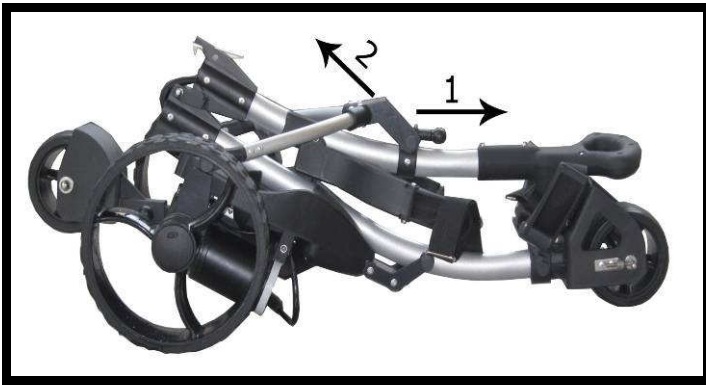
Take cart and all of component parts out of carton



Slide and hold the knob on the center hub cap and push the wheel fully on to the axle



Pull spring bolt then install support wheel



Pull the lock device and then raise the frame support(wishbone) into the upright position



Lift the main frame upwards to meet the frame support.



Engage the slots in the hinge with the metal bar on the frame support.



Lift the upper handle frame up and over the central locking hinge. Depress the metal catch and ensure that the hinge is locked in position around the frame support bar.



Ensure that the locking catch is fully engaged by pulling the upper part of the catch outwards if necessary. Pull down the upper bag support.



The cart is now ready to receive the battery and golf bag.



Put the battery into the battery case.



Connect the battery plug



4. Operating your cart.



To switch the cart on, turn the manual speed control knob away from you until a small click is heard. The LED on the handle will flash briefly to indicate that the cart has power.

Turn the speed control progressively forward to increase speed. Turn the knob back to reduce speed. Turning the knob back until a click is heard will turn the cart off.

LED Light Indications

When the manual combined on/off speed control switch in the handle is turned ON, the blue LED light on the handle will illuminate for a approximately 2 seconds to indicate that all parts of the cart are functioning properly. It will then turn off.

If this does not happen, check the following:

1. Blown fuse: the fuse is located is located in the red (positive) battery cable. A blown fuse may occur after a period of sustained load- e.g. negotiating a very steep hill with a heavy bag and need replacing.
2. Battery not connected properly or a loose connection at the battery terminals. Tighten the connections.
3. A loose connection in either the handle wiring or in the main controller.

When the cart is operated in manual mode the LED will flash approximately once per second. If the LED flashes for a longer duration (2 seconds) this indicates that the cart battery voltage is low and the battery should be recharged as soon as possible.

5. Remote control Operation.








Once the cart has been turned on manually (see above) you can control the speed and direction by using the Remote Control. To initiate remote control, switch on the transmitter, turn the cart on manually and then press a button on the remote control within 3 seconds. Once the cart begins to move, the system is initiated and will remain so until the cart is switched off.

Replacing the transmitter.

If the original transmitter is lost or broken, it is a very simple process to key the cart controller to the transmitter. First, switch on the new hand remote and then press and hold the "UP" arrow. Switch on the cart by rotating the speed control. Hold the transmitter button for about 4 seconds. The green light should flash once, indicating that the new remote and the cart are keyed together.

Remote Control Buttons

| | |
|---|--|
|  | Press the "UP" button to start the cart forwards. Click again to accelerate- maximum speed is achieved after 5 clicks. |
|  | Press the "DOWN" button to decelerate the cart. When the cart is stationary, pressing the "DOWN" button will send the cart in reverse. |

| | |
|---|--|
|  | Press the "RIGHT" button to turn the cart to the right. |
|  | Press the "LEFT" button to turn the cart to the left. |
|  | Press the "STOP" button to stop the cart .You must stop the cart before switching from forward to reverse direction or vice versa. |

Adjustment Buttons (just for minor adjustment)

The two top buttons marked with ADJUST and SAVE are **only** to be used if necessary for calibration of the alignment of the cart. See below

ALIGNMENT ADJUSTMENT

The two buttons at the top of the transmitter are only for use after adjustments to the cant of the front wheel have not produced the desired results – when the alignment of the cart is permanently pulling to one particular side on flat ground. Before making any adjustments with these buttons it should be understood that a golf cart with a very narrow wheelbase and with an uneven – and sometimes shifting – load will probably never be able to maintain a forward direction and a straight line – mainly because even a small directional bias at the start quickly magnifies to a much larger directional deviation. Indeed the whole point of having a remote operation cart is to be able to ignore the exact position of the cart – as long as it is on the fairway and clear of other golfers and water hazards. The user has the ability to bring his cart and clubs over to him when he gets up to his ball.

To initiate this process start with a forward motion of the golf cart, and then press the **ADJUST** button once.

- ✓ Pressing the left arrow button once will cause the left-hand drive wheel to reduce in speed by 1%
- ✓ Pressing the same button twice will produce a speed reduction of 2%
- ✓ This process can be repeated up to a differential reduction of 20%
- ✓ All of the above applies equally to the right arrow button

- ✓ Having completed this process pressing the save button will save the chosen settings
- ✓ Pressing the ADJUST button and then pressing the SAVE button, without altering either direction button will program the same power to both wheels.

Using the Hand-held Remote Control Transmitter

Never store the transmitter in a pocket with metal or sharp objects, or loose change.

Because of the need for a removable battery cover, the transmitter is NOT waterproof. Take care when playing in rain (you may wish to place the transmitter in a polythene bag to prevent water ingress) or use the remote in a pocket or under a jacket. NEVER immerse the transmitter in water.

The LED on the transmitter will appear as a solid red light when a function key is pressed. If the light is dimmed, it indicates that the battery in the transmitter is running low, Replace the battery as soon as possible. If the battery power is running low, the control distance of the remote will be reduced. If in doubt check the battery for 12 volts.

The transmitter uses a replaceable battery. Slide open the battery compartment to replace the battery.

Don't use rechargeable batteries as these batteries do not give sufficient voltage for optimum operation.

Avoid using excessive force when pressing the function keys on the transmitter

If you don't press a command button within 20 seconds, the cart will stop. However try to keep the cart typically within a safe 50 yard distance from you.

6. Charging the battery.

You must give your battery an initial 'commissioning' charge before using it for the first time. Charge your battery for a minimum of 24 hours, even if the green light appears soon after commencing charging.

Always start every round with a fully charged battery.

Charge your battery as soon as possible after every round (certainly within 24 hours) even if you have played only a few holes. This will maximize the life of your battery.

To charge your battery, ensure your charger is not connected to the mains and connect it to the battery. Connect the charger to the mains. If the green light on your charger flashes, switch off immediately and check the polarity of the charger leads. The charger light will turn red indicating that charging is taking place. When your battery is charged, the light will turn from red to green. With a new or fully charged battery, the red light may show only for a short time before turning green.

Ideally, you should charge your battery for a minimum of 8 hours, even if the red light turns green before this. This will ensure that the maximum charge is put into the battery and will increase battery life.

The charger supplied with your cart is a modern 3 stage charger. If not being used, we recommend that you leave the battery connected to the charger with the mains until the next time you play golf, up to a maximum of one month. The electronic circuits in the charger will protect your battery from over-charging and will ensure your battery is kept topped-up.

Switch the charger off at the mains before disconnecting the battery. If you do not intend to use your cart for several months, fully charge the battery and then disconnect from the charger. Recharge your battery every 30 to 45 days. Leaving the battery on charge for an extended period may cause the battery to dry out and shorten the life of both the battery and charger.

DO NOT leave the charger connected to the mains if the battery is not attached. This will shorten the life of the charger.

DO NOT leave the charger connected to the battery if it is not connected to the mains. This will discharge your battery.

DO NOT charge your battery on a concrete floor - always charge on a shelf/bench or place the battery on a

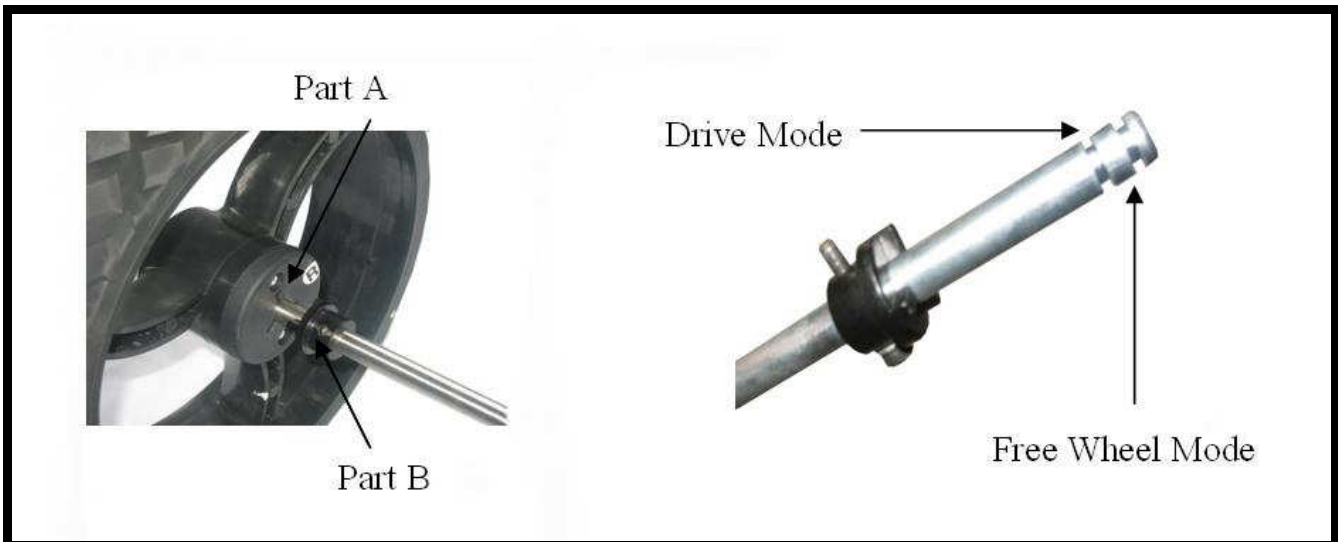
plank of wood.

7. Drive wheels

To attach the wheels, push the black button inwards and then slide the wheel on as far as possible. It will engage into the slotted groove on the axle, and the hub to the drive-coupling. Once in the place, release the button and pull the wheel outwards slightly to lock in place. You will hear a small click.



When the battery indicator is red and the voltage is too low to operate the cart (below 10.8 volts) the controller will cut power supply to the motors. In order to push the cart manually it is necessary to move the wheels out by one notch on the drive axle (freewheel position).



8. Use & Maintenance

- **Battery**

- 1) Regularly check to see if there is any damage to the battery.

- 2) Keep the battery surface clean, and check underneath the battery cover to make sure that no dirt or water has accumulated inside of it.
- 3) Check the battery connections – underneath the small plastic covers – also the fuse - for any signs of corrosion or bad connection.
- 4) Check that the wires from the battery cover are firmly fixed to the terminal posts.
- 5) After use always place the battery on charge – in warm dry conditions.
- 6) Leave the battery on charge until it is to be used again. Always allow sufficient charging time to completely charge the battery – overnight or 6 to 8-hours should be sufficient.
- 7) If the battery is to be stored – for instance over winter – and not used, it can either be left connected to the charger, or disconnected. If disconnected for storage always recharge the battery completely at intervals – at least once every 30 to 45 days. Allowing the charge of the battery to drop to a completely exhausted state can shorten the life of the battery or render it inoperable.
- 8) Do not charge the battery with a different charger other than the charger supplied with the cart.
- 9) If stored, place the battery on a wooden shelf – not on a concrete floor. Keep away from fire – flames – heaters – and do not allow it to be in a temperature of over 45 deg C (113 deg F)

- **Charger**

- 1) Do not attempt to open the case of the charger
- 2) Only use the charger to charge the battery of this golf cart
- 3) Operate only indoors – in clean dry conditions
- 4) Immediately remove from the mains electrical supply in the event of the charger overheating (over 70 deg C)

- **Cart**

- 1) Clean the whole cart as convenient. Remove any caked mud and grass cuttings.
- 2) Store it indoors in dry conditions
- 3) Always remove the battery from the cart

9. Trouble shooting

The following is general information for the customer. If you have a persistent problem always call the service department. It will always help if you can tell them the sequence and condition of the LED light.


| Indication | Possible cause |
|---|---|
| With the ON/OFF switch turned ON – the speed control knob is turned for speed. The LED on the handle does not illuminate. There is no forward movement of the cart. | Bad wire connection. Either to the switch in the handle – or at the connection jacks to the controller. Blown fuse on the battery Loose battery terminals |
| Same conditions as above – but the LED is illuminated | Bad wire connection to the motor. Either at the connection jacks to the controller – or even internal to the controller. |
| The battery is not accepting a charge. | Faulty charger. (The battery can easily be checked at any auto-repair center). Always check for correct connection of the plugs into and out of the charger. |
| Transmitter not operational | The main ON/OFF switch is not turned ON. Faulty transmitter. |
| Reduced operational distance of the transmitter | Low battery condition in the transmitter |
| LED on transmitter does not light | Low battery condition in the transmitter - replace |

10 Safety

- Read this manual carefully so that you understand and are able to follow all safety instruction and methods of use before you use the golf cart.
- Do not let children use the cart.
- If you feel ill, tired or have been drinking alcohol or taken medication you should not use the cart.
- All repairs not described in this manual should only be carried out by trained personal.

- Only use original spare parts. This also applies to the battery.
- Only lend the cart to people who are familiar with the use.



-  Waste electrical products must not be disposed of with the household waste. These should be taken to your local recycling centre for safe treatment

11. Contact details:

<http://www.carttek.com>

Cart-Tek Golf Carts

Bend, Oregon

866-356-2278

email: carttek@mac.com

