



## **User Manual**

# **GRI-1500Li**



Your Cart Tek caddy cart was thoroughly quality control checked and road tested before being shipped to your address. We do everything possible to assure that your caddy is in perfect working order upon arrival. Should you have any issues or questions about the performance of your caddy, please contact us at [sales@carttek.com](mailto:sales@carttek.com) or 541-633-4308.

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## INTRODUCTION

Thank you for purchasing the Cart Tek GRI-1500 LI golf caddy. 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 that all components are included in the package –

- Main Caddy frame
- Transmitter
- Drive wheels
- Anti-tip wheel
- Li Battery in a Nylon Battery Bag
- Battery charger
- Accessories
- User Manual
- USB Cable

Contents of this manual cover assembly from the delivery carton – operating instructions– 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. PLEASE READ the entire manual.

## QUICK TIP

*After unpacking the caddy and while reading this manual, place the battery on charger while you assemble the unit. Plug battery into charger and charger into power source. The battery may be delivered with a charge but should be placed on the charger before using for the first time to ensure full charge of battery.*

## BASIC SET-UP

- Remove all components from carton. Note any damage with carrier.
- Install the two large drive wheels. The wheels are unidirectional. Make sure that the wheel release button locking mechanism is above of the axel. Depress knob on the inside wheel hub and slide wheel onto axle. Fully insert wheel onto drive collar, with the four pins fully engaged. (For “free wheel” mode depress and pull wheel out  $\frac{1}{4}$  of an inch, releasing pins and making sure wheels snaps into groove on axel.)



- Install rear anti-tip wheel. Under axel pull out the anti-tip wheel lock pin and slide anti-tip wheel in frame until locked.
- Lift handle from lower caddy frame. You may need to lightly hold down lower frame with your foot.
- Lift upper handle and extend handle fully to desired position. Lock into position with black locking knob.
- Place battery in tray. Insert battery cable into caddy, making sure to align pins. Depress silver spring lock before removing cable.
- Load golf bag onto caddy. Balance weight of golf bag equally “side to side. Secure golf bag with bungees.
- Securing your golf bag on the cart locks the cart in the “open” position. It is important that both top and bottom bag straps are tight and your bag is firmly secured in the bag rests.
- Insert two AAA batteries into the remote control. Turn on the remote control. The on off switch is on the backside of the remote control. Notice the antenna on the remote. It is optional to pull out. Pull out if needed for longer range.
- Place the USB cable that comes with your caddy in a secure location. It is only used if you need to “pair” a new remote to your caddy. Your remote is already matched and paired to your caddy.

## PRECAUTIONS

### GRI-1500 LI Important Customer Care Information

- 1) A normal cart bag will result in best caddy performance, where lightweight stand or carry bags may not work well for you. For best performance heavy cart bags are preferred. If you use a carry bag or stand bag you will definitely need to add weight. (See # 5 below)
- 2) Consider the all-around weight distribution of your golf bag. Ensure the bag is balanced evenly side-to-side. Uneven weight distribution may lead to “tracking errors” i.e. too much weight on the right side will cause caddy to veer to the left.
- 3) The front wheel must stay grounded during play. The only exception is on steep inclines. Your GRI-1500 LI should only tip onto the rear wheel when on extreme inclines (Over 25 degree inclines).
- 4) On steep inclines if the front wheel does come off the ground use manual mode to guide the caddy. Avoid steering the caddy with the remote if the front wheel is off the ground. Using the remote in this situation can lead to gearbox damage.
- 5) If you are having issues keeping the front wheel down on the ground, consider adding a water bottle or sand inside a low pouch in your golf bag to increase the weight over the front wheel. Equally distribute the weight, use the center pouch or equal weight added to each side pocket.
- 6) Do not pull the cart backwards while riding in a power cart.

- 7) **IMPORTANT TIP.** *Do not use the parking brake button when going down steep inclines.* For best control of caddy, use the reverse arrow to decrease speed. If you need to stop your caddy on the incline turn the caddy perpendicular (across) the hill and hit the coast button and then the parking brake button.
- 8) Periodically spray the front wheel bearings with WD-40.
- 9) Do keep a set of fresh unopened AAA batteries in your golf bag for your remote. Replace remote batteries if you experience missed commands.

## BATTERY MAINTENANCE

- Before using your cart for the first time you will need to charge the 24 Volt caddy battery. Charge until the charger light indicates a full charge.
- Unplug battery from caddy when not in use.
- Always recharge battery after use. Never leave the battery in an uncharged state. Even if you only play 9 holes, charge the battery after use.
- The LED on the charger will be solid orange when charging. Following the complete charging cycle, the LED is solid green.
- During periods of inactivity, charge your battery every 12 weeks. Do not leave the charger connected to the battery for more than 1-2 days. Disconnect the battery once charged.
- Frequently inspect the round battery plug. Ensure that the round plug is screwed tightly.





## TURNING ON YOUR GRI-1500 LI

Place your battery into the battery tray and plug battery cable into caddy. Always press the silver spring lock on battery cable when inserting and removing battery cable from caddy. If round plug at the end of the cable becomes loose, retighten.

When you first connect the battery to the caddy, the BLUE LED on the handle will slowly flash. This is “Standby” mode. Push and hold the button on the end of the handle until the BLUE LED is solid.

## MANUAL MODE

- Turn speed dial back to zero – counter clockwise.
- Push the on/off button on the end of the handle for one second.
- Rotate speed dial clockwise to increase the speed of caddy.
- Rotate speed dial counter-clockwise to slow/ stop caddy's motion.
- In manual mode there are three ways to stop your caddy.
  - ✓ Turn the speed dial to the rear counter clockwise back to zero.
  - ✓ Push the on/off button on the end of the handle.
  - ✓ Push the coast button on the remote control.
- To resume use in manual mode, turn the speed dial back to zero and then push on/off button and turn speed dial clockwise to the desired speed.

## REMOTE TRANSMITTER

- The transmitter has a small on/off switch on the backside. To save battery life, turn off the remote control transmitter when not in use.
- Pull out antenna on remote if needed for longer range.
- If your caddy misses signals replace batteries. Replace with AAA batteries. **Do not use “rechargeable” batteries.** They do not have sufficient voltage to send a strong signal.

**Forward:** Moves caddy forward and increases speed with each push.

**Reverse:** When caddy is stopped it moves caddy in reverse. Each additional push increases the speed in reverse. When caddy is moving forward, hitting the reverse slows the caddy down.

**Speed Settings:** Preset buttons for specific speeds. 1 is the slowest, 4 is the highest. See programming to change speed settings.



**Pull Out Antenna**

**Left & Right Arrows:** Turns caddy to the left or right.

**Parking Brake:** The red button in the middle of the directional controls is an electronic parking brake. On inclines park your caddy across / perpendicular to hill.

**Program/Coast Button:** This button performs two functions. 1) A single quick push allows the caddy to coast to a stop. No brakes are applied, all power to motors is suspended. This is the preferred way to stop your caddy. 2) When caddy is stopped a quick push and hold will move caddy forward and put into program mode. See programming options below.

## REMOTE CONTROL MODE

- When the BLUE LED on the caddy is solid and the caddy is stationary, your caddy is ready for remote control transmission.
- Turn on the remote.
- Push the forward or reverse buttons to move the caddy.
- By pressing and holding Left or Right turn, the caddy will turn “upon” itself.
- While caddy is moving forward, a quick push of left or right arrow button will adjust the caddy’s direction.
- To increase the speed. Press forward button. To decrease speed, press the reverse button.
- To stop the caddy on level ground, use the Coast Button.
- To stop the caddy on an incline turn caddy across the hill, hit the coast button and then hit the parking brake.
- The range of the transmitter is 50 – 100 yards depending on environmental conditions. The caddy cart will shut down when it is outside of the remote transmitters range.
- We recommend you operate your caddy within 20-30 yards for best control.
- For your protection the caddy has a 60 second timer. To prevent the caddy from stopping, create the habit of re-tapping your last command every 40 to 55 seconds. Any button press will restart the timer and prevent the caddy from stopping. (Generally just give the forward button a quick tap). If the remote is not pressed within 60 seconds it will stop. Simply press another button on the remote to restart.

## QUICK TIP

*When first using your caddy, practice in a large open area. Take the time to practice the difference between a single touch of a key and a prolonged push especially with left and right functions. Also get comfortable with the coast and parking brake buttons. Practice turning the caddy perpendicular to hills when parking on an incline.*

## PROGRAMMING YOUR CADDY

The caddy electronics may be customized for your personal preferences. All programming customization is done via the remote transmitter. Using “Program Mode” you can adjust the electronics to:

- Adjust Turning Force. Depending on your course, flatter golf courses require less turning force than hilly or undulated golf courses.
- Tracking issues. If a caddy veers off to one side. Read all tracking information under Precautions page 6 and Trouble Shooting page 19 before using electronic tracking adjustment.
- Reset Caddy back to original Factory Settings. This is useful if your caddy accidentally gets programmed or you program it and you do not like the new settings.

For the instructions below that say “go into program mode”, follow these instructions;

On the remote transmitter, “Press the parking brake button.

Next press and quickly release the Coast/Program Button and then quickly press and hold the Coast/Program Button again.

While still holding the program button, within a few seconds the caddy will move forward at a slow speed.” If cart does not move, repeat. Your caddy is not in program mode.

### **1. Store personal speeds on 1-4.**

- (NO need to go into program mode.)
- Using the forward and reverse arrow keys on the remote adjust caddy to your preferred walking pace.
- Press and hold one of the speed control buttons 1-4 while caddy is traveling at your new desired speed.
- Button is now set to new speed.

### **2. Adjust turning force.** You can increase or decrease the speed at which the caddy turns.

- **Go into Program Mode.**
- Press the reverse button to stop the caddy.
- To increase the turning power, press the forward button. To test the adjustment press the left or right turn buttons
- To decrease the turning power, press the reverse button. Test as above.
- To save your setting, press the Parking Brake Button.

### **3. Adjust Tracking i.e. Caddy trails off to one side or the other on flat ground.**

Electronically adjust tracking only after adjusting bag weight. (Instructions for front wheel axel adjustment are in the troubleshooting section, “*my caddy does not track in a straight line*” later in this manual).

- **Go into Program Mode.**
- To adjust the caddy to the left, press left button once. Or to adjust the caddy to the right press the right button once. Two button presses adjusts the tracking about one foot to either side in a 25-foot run.
- To save the setting, push the Parking Brake button.
- Test the caddy to see if you need further adjustment. Repeat as needed.

#### **4. Return all Programing back to Original Factory Settings.**

- **Go into Program Mode.**
- Press the reverse button to stop the caddy.
- Press 1,3,4,2 then the parking brake button. Your caddy should be at factory settings.

#### **5. Matching a “New Remote Transmitter” to your caddy.**

Should you need to replace your remote transmitter, you will need to pair (match) it to your GRI-1500 LI. (NO need to go into program mode.)

**NOTE:** The USB port is located slightly above the handle-locking knob. It provides a less than 2 amp charging port. Some devices may be able to use it.

- With the caddy on (solid BLUE LED), plug the USB cable into the USB port on the handle. Plug the other end of the cable into the port on the remote transmitter.
- The LED on your remote should be slowly flashing.
- Press and hold the On/off button on the caddy. The remote transmitter LED will start rapid flashing.

- After one round of rapid flashing release the on/off button.
- Disconnect the USB cable and press the “Parking Brake” button on the remote.
- Press the On/Off switch to get solid BLUE LED on caddy.
- Test all remote buttons.

## TROUBLE SHOOTING GUIDE

*My caddy will not show any indicator LED on the caddy handle.*

1. Ensure Caddy Battery is plugged into the Caddy receptacle.
2. Have a full charge on Caddy Battery. 3-6 hours, and battery charger should show green.
3. If problem persists, call Cart-Tek for Technical Support.

*My caddy will not show a solid BLUE indicator LED on the caddy handle.*

1. Make sure you can get a flashing BLUE indicator LED first.
2. Press and hold the On/off button for 3 seconds
3. If problem persists, call Cart Tek for Technical Support.

*My caddy is turned on (solid BLUE LED), but my remote will not work.*

1. Make sure the on/off switch is in the on position on the remote control transmitter.
2. Try restarting the caddy by disconnecting the battery for 5 seconds, then powering the caddy back on. Test remote again.



3. Ensure that the remote has a flashing red LED when pressing a function button. If not, replace batteries in remote.
4. Pair remote transmitter to caddy cart receiver by using the supplied USB cord. Follow the directions in the manual, or check our video
5. If problem persists, call Cart Tek for Technical Support.

*My caddy Battery Charger isn't switching over from Orange to Green.*

1. Verify Charger has green ready light before plugging in battery. If it does not call Cart Tek.
2. Ensure both the Caddy Battery and wall charger are fully plugged in.
3. If problems persist, call Cart Tek for Technical Support.

*My caddy will not make 18 holes.*

1. Verify that your charger is flipping over to green.
2. If problem persists, call Cart Tek for Technical Support.

*My caddy has erratic steering (i.e. Spins to the right/left, goes forward/backwards when pressing right/left).*

1. Ensure both wheels are fully engaged into the drive collars located on the axles.
2. If problem persists, call Cart Tek for Technical Support or replacement parts.

*My caddy does not track in a straight line.*

1. Balance golf bag evenly on your caddy side to side.
2. Ensure both wheels are fully engaged into the drive collars located on the axles.

3. Reset your caddy to factory settings by following the instructions in the manual or check out our video reprogram your GRI-1500 LI remote.
4. If caddy still does not go in a straight line, manually adjust tracking on the front wheel.
  - All caddy carts are tested to see how they track for straightness without a bag. First, double check how your caddy tracks without a bag. Use this as a guide for testing with the bag. If your caddy is going off track more than 3 feet within 20 yards, the easiest first thing to do is to check the weight distribution of your bag. How is it sitting on the caddy, is it sitting evenly with the weight evenly distributed between left and right sides? If the weight distribution does not solve your issue, you may need to fine-tune the tracking by adjusting the front wheel axel. To fine-tune the front wheel axel is to move the front wheel axel forward on the side the caddy is tracking towards. Loosen both ends of the axel cap nuts (A) . If the cart tracks to the left move the left side of the axel forward via the adjustment nuts (B) Test the tracking after each adjustment. It should only take 1 to 3 adjustments.



A

B

*My caddy stops unexpectedly during a round.*

1. The GRI-1500 LI is equipped with a 60 second timer that stops the caddy if you do not press additional buttons within that time period.
2. Check indicator LED's on end of caddy handle.
  - No light – Make sure you're battery is connected to the caddy receptacle.
  - Rapid flashing BLUE LED is an overload high current warning. Stop and Allow caddy to cool down. This can be caused by too much weight on your caddy or trying to climb too steep of hill.
  - Slow Flashing BLUE LED is low voltage warning. Stop, do not use the battery, and recharge battery.
3. Ensure the AAA batteries in the transmitter are fresh.
4. Due to on board electronics, there might be environmental interferences causing your caddy to stop. These may include, but are not limited to: microwaves, cell towers, high voltage electrical power lines, et cetera. If the caddy always stops at the same place every time you play then it is likely environmental interference.

*My caddy stopped while I am on the golf course.*

If your caddy experiences some kind of failure on the course and you cannot get it running, you can put the caddy in “free wheel” mode.

1. Press the blade on the inside wheel hub and pull wheels out of drive collar and lock wheels into groove on axel. Ensure that the wheel is locked onto the axel.
2. In free wheel mode you can pull the caddy backwards. **USE CAUTION:** Wheels can disengage on sharp turns or excessive speed when going backwards.

6.



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FOR WARRANTY, SPARE PARTS AND  
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