

CaddyTrek[®]

R4

User Manual



Digital User Manual

Scan QR Codes to View Videos

You can also click on the [blue links](#) to view as well.

<https://www.caddytrek.com/caddytrek-r3x-user-manual/> (need to replace with R4)



WARNING: LITHIUM-ION BATTERY

CAUTION

To prevent the risk of fire or battery explosion, keep away from ignition sources, heat, and flame. Avoid mechanical or electrical abuse.

Lithium-ion batteries provide high energy density and can be recharged time after time. Storing large amounts of energy can be inherently dangerous as these batteries contain lithium ions and highly flammable electrolytes.

Causes of lithium-ion failure include puncture, overheating, overcharging, short circuit, internal cell failure and manufacturing deficiencies. See WARNINGS below.

If your lithium-ion battery has any of the following signs stop using it immediately and call 702-982-6598. Keep away from anything flammable.

- Strange odor
- Leaking
- Change in color or shape
- Excessive overheating
- Strange noises

It is important to be aware of the potential dangers of lithium-ion batteries and follow good battery safety tips to prevent fires or explosions.

WARNINGS

- Do store battery in a cool, dry place away from direct sunlight and excessive heat or cold.
- Do not store or charge the battery in temperatures below -10°C or above 40°C
- Do charge in a well-ventilated area.
- Do not charge the battery in a sealed container or upside down.
- Do not charge the battery near the heater, or where heat accumulates, or in direct sunshine.
- Do not leave the battery charging overnight.
- Do not disassemble or open the battery. Risk of electric shock or fire
- Do not touch the electric poles of the battery.
- Do not keep the battery connected to the grid during prolonged power outages.
- Do not splash or immerse the battery in liquids.
- Do not use a non-CaddyTrek branded charger to charge the battery, as it may cause battery damage or cause a fire.
- Do not use the battery if damaged.
- If disposing of a battery, take it to a proper recycling center

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I. GETTING STARTED

What's Included with the CaddyTrek?

The CaddyTrek is shipped with the following items:

- Main Battery
- Main Battery Charger
- Handset
- Handset Battery
- Handset Battery Charger
- Two (2) Year Manufacturers Warranty

Charging the Battery

The CaddyTrek uses a Lithium-Ion battery to power the cart and should be fully charged before use. Approx. 6-8 hours.

You can charge the main battery and handset on any 110-volt outlet. Plug the charger into the charging port located on the battery inside the electronics box. Once fully charged, unplug.

The following instructions will show you how to correctly charge the main battery using the provided battery charger and explain what the indicator lights mean.



Checking Battery Level

To check the battery level, press the **RED** button on the top left of the battery (see photo).



Green Light Indicators

- 3-green lights: The battery is fully charged.
- 2-green lights: The battery is 50-75% charged.
- 1-green light: The battery is less than 50% charged.

Note: Low battery voltage indicated by four loud beeps from CaddyTrek.

I. GETTING STARTED

Using the Battery Charger

1. Charge the main battery in or out of the unit.
2. Plug the battery charger into the main battery's charging port.
3. Plug the other end of the battery charger into a power outlet.
4. The indicator light should turn **RED** to indicate the battery is charging.
5. If the charge indicator light does NOT turn **RED**:
 - a. Leave the charger plugged into the battery.
 - b. Unplug the charger from the power outlet, wait 5 seconds, then plug it back in.
 - c. Within 3 seconds, the indicator light should now turn **RED**.
6. Charge battery for about 6 hours.
7. Check the battery charge level again (refer to checking battery level above).
8. If the indicator light is **GREEN**, the battery is charged.
 - a. Unplug the charger from the battery.
 - b. Carefully reinsert the battery back into the CaddyTrek and begin use.
9. If the indicator light is not **GREEN**, charge for an additional 1-2 hours.

Handset Battery and Charger

The handset comes with a Lithium Ion 4.2V battery and battery charger. The battery takes about 2 hours for a full charge and will last about 30 hours.

Cell Phone Charger (USB Port)

Remove the included Bluetooth dongle to user the charger. To use the Bluetooth app, you must plug the USB dongle back in.

Unfolding and Folding CaddyTrek

Watch video below



I. GETTING STARTED

Familiarize Yourself with the Handset Layout

Understanding how to quickly maneuver the unit is essential in avoiding an accident and getting maximum benefit out of the CaddyTrek.

Abbreviations

Abbreviations mentioned throughout this user manual and what they mean.

SM	=	Standby Mode
RC	=	Remote Control Mode
PA	=	Power Assist Mode
FL	=	Follow Mode
MD	=	Marching Distance
MC	=	Marching Cruise

Powering up the CaddyTrek

1. Pair the handset to CaddyTrek
 - a. Turn on the handset
 - b. Turn on the CaddyTrek



Identifying the LED Lights

- Flashing GREEN & BLUE = (SB) mode
- Flashing BLUE= (RC) mode; (PA) mode
- Solid GREEN = (FL) mode
- Solid BLUE = (MD) mode*
- Solid BLUE = (MC) mode*
- Flashing GREEN = Push Mode
- Quick flashing GREEN & BLUE = (SB) to LOCK

* Refer to page 8 of this User Manual



II. USING THE HANDSET

Additional Handset Commands

All modes must be done from (SB) mode. The unit powers up in (SB) mode and returns to (SB) mode upon exiting any other mode.

1. Mute the Handset

- a. Press the DOWN arrow (4) times, then press STOP. Listen for the 3 short beeps.
- b. Repeat steps to unmute. Listen for the one long beep.

2. Mute the Cart

- a. Press UP, DOWN, UP, DOWN, STOP. Listen for the 3 short beeps.
- b. Repeat steps to unmute. Listen for the one long beep.

3. Check the Handset Battery Charge Level

- a. Turn on the handset.
- b. Press and hold the STOP button for 2-3 seconds.
- c. Read LED light indicators left to right.
 - i. 3 green lights = 100% charged
 - ii. 2 green lights = 80% charged
 - iii. 1 green light = 55% charged
 - iv. 1 green flashing light = 35% charged
 - v. When the battery level reaches 10%, a low battery alarm will sound (one long and one short beep every minute). You can mute the low battery alarm using the handset's mute function.

4. Using the Directional Buttons

- Press the Forward, Reverse, Left, or Right directional buttons to move CaddyTrek in the desired direction.
- To accelerate CaddyTrek to its maximum speed, hold down the Forward direction button or press it repeatedly.
- To slow CaddyTrek down to a stop while moving forward, repeatedly press the Reverse or Stop button. Once stopped, pressing once more will reverse the unit.
- Note: Pressing the reverse button repeatedly will increase reverse speed.
- To go back into Standby (SB) mode, press STOP, STOP.

5. Recalibrate CaddyTrek

If the unit veers to the left or to the right, you may need to recalibrate it.

- a. Power the cart on. Wait about 40 seconds for it to go into Standby (SB) mode.
- b. Once in (SB) mode, press LEFT, RIGHT, LEFT, RIGHT, then press STOP.
- c. When the cart stops beeping, you can then reboot it.

III. OPERATION MODES

Bluetooth Capabilities

The CaddyTrek has Bluetooth capabilities, allowing you to easily perform the following tasks directly from your phone:

- Set parameters
- Set preferred distance
- Set preferred speed
- Set lock code
- Find remote control
- Read diagnosis codes



IOS



Android



Connect to Bluetooth

You can download the app from your phone's Play Store.

Manual Push Mode (Free Wheel) Mode

1. Activating Free Wheel Mode from Cart

- a. From (SB) mode, short-press both buttons on the cart at the same time. Listen for one short beep.
- b. The LED light on the cart will be flashing GREEN, indicating push mode.
- c. To disengage, short-press either button. Listen for the double beep.
- d. You are now back in (SB) mode.



2. Activating Push Mode Using Handset

- a. From (SB) mode, hold down the forward directional button and listen for the single beep.
- b. The wheels will unlock, and you can now move the cart freely.
- c. To disengage and return to (SB) mode, press the STOP button, and listen for the double beep.
- d. You are now back in (SB) mode.



III. OPERATION MODES

Remote Control (RC) Mode

1. Power on the handset first, and then the CaddyTrek.
2. Position yourself behind the large wheels of CaddyTrek with your chest facing the CaddyTrek.
3. Hold down the “Left” directional (RC) button until the handset emits a short beep and the (RC) light is blinking on the handset. **50-yard max range.**
4. The LED light on the cart will be blinking BLUE, and you will hear a single beep, indicating (RC) mode is ready.
5. To stop the cart, press the STOP button once. The cart will remain in (RC) mode until ready to move again.
6. Press STOP again to go into (SB) mode. Cart will double beep. Once in (SB) mode, you can then go into any other mode.
7. (RC) mode is ready after powering on. (FL) mode is ready after 40 seconds.
8. For fast reverse, press the Reverse (down) button several times till you reach the desired speed.



Advanced Features: Smart Stop

The CaddyTrek R4 has an additional feature called “Smart Stop.” This feature sets a maximum distance between the user and the cart. The cart will automatically stop when it reaches 15 meters from the user and will resume moving once the user approaches within 7.5 meters (half of the stopping distance). The stopping distance can be adjusted via the Bluetooth App. This feature helps ensure the cart remains within a safe distance from the user.

1. To activate “Smart Stop,” while in (RC) mode, long-press the (FL) button. LED light will flash BLUE.



III. OPERATION MODES

Follow (FL) Mode

You can activate follow (FL) mode in two ways:

- From the handset
- From the cart



1. Activate from the handset

- To activate (FL) mode, hold down the FOLLOW button, listen for the single beep, then start walking.
- The LED light on the cart will turn solid GREEN.
- To deactivate, press the STOP button or the FOLLOW button, listen for the double beep.



2. Activate from the cart

- To activate (FL) mode from the cart, short-press the LEFT button and listen for the short beep. The LED light (circled in red) will turn GREEN.
- Walk away from the cart, slowly and in a straight line. While walking away, within about five (5) paces, the cart will be able to pick up speed to keep up with you.
- To deactivate, short-press either button. CaddyTrek will double-beep when disengaged. You are now free to walk around.



TIPS

- When walking away from the cart, you want to let the cart slowly pick up its speed. DO NOT walk away from the cart at a fast pace. When deactivating follow mode, SLOW down BEFORE stopping.

III. OPERATION MODES

Marching Distance (MD) Mode

You can activate (MD) mode in two ways:

- From the handset
- From the cart



1. Activate from the handset

- a. Hold down the RIGHT directional button until hearing one short beep.
- b. The LED light on the cart will turn solid BLUE.
- c. Once you start walking forward, the cart will move in front of you.
- d. To deactivate, press the STOP button. The unit will double-beep.



2. Activate from the cart

- a. To activate (MD) mode from the cart, short-press the RIGHT button and listen for the short beep, then take a step back. The LED light (circled in red) will turn solid BLUE.
- b. Once you start walking, the cart will move in front of you.
- c. To deactivate, stop, take a step back, or short-press either button on the cart. The cart will double-beep when disengaged.



Note: The user can adjust the distance while in (MD) Mode using arm gestures. See page 9.

Advanced Features: Marching Cruise (MC)

When using (MC) mode, the user can increase or decrease the speed using arm gestures. See page 9. We recommend using the arm gestures when encountering uneven terrain, side hills & slopes.



You can activate (MC) mode in two ways:

- From the handset
- From the cart

1. Activate from the handset

- a. Hold down the RIGHT directional button until you hear a double short beep.
- b. The LED light on the cart will turn solid BLUE.
- c. Once you start walking, the cart will move in front of you.
- d. To deactivate, press the STOP button. The cart will double beep.

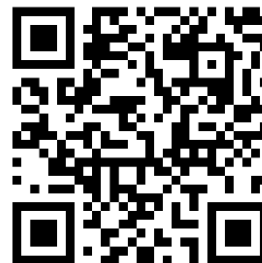


NOTE: Take 1 big step back when deactivating.

III. OPERATION MODES

2. Activate from the cart

- Press the RIGHT button on the cart until hearing a double short beep, then take a step back. The LED light (circled in red) will turn solid blue.
- Once you start walking, the cart will move in front of you.
- To deactivate, stop, then take a step back, or short-press either button on the cart.
- The cart will double-beep when disengaged.



Using Arm Gesture Commands in Marching Mode

	Turn Left: Raise right arm to chest height
	Turn Right: Lower right arm to waist height
	Increase Distance (Use in Marching Mode) & Increase Speed (Use in Marching Cruise Mode): Raise left arm to chest height
	Decrease Distance (Use in Marching Mode) & Decrease Speed (Use in Marching Cruise Mode): Lower left arm to waist height
	Pause: Cross your hands over your lower belly



TIPS

- Always keep the palm open and fingertips clearly reach the Chest or Waist area.
- Don't leave the handset on the handlebar**

III. OPERATION MODES

Power Assist Mode

We suggest using Power Assist mode when encountering steep hills and slopes.

You can activate Power Assist mode using the handset

1. Press the DOWN direction button. Listen for one short beep. The LED light on the cart will FLASH BLUE when ready.
2. Use the **Up** and **Down** buttons to adjust the speed. Use the **Left** and **Right** buttons to control the direction.
3. Power Assist mode also includes the “Smart Stop” feature. This function sets a maximum distance between the user and the cart. The cart will automatically stop when it reaches 4 meters from the user and will resume moving once the user comes back within 4 meters.
4. The stopping distance can be adjusted via the CaddyTrek Bluetooth App. Refer to “Smart Stop” on page (5) of this User Manual. This feature helps ensure the cart stays within a safe distance from the user.



Video to come soon

IV. ADDITIONAL FEATURES

Locking and Unlocking the Cart

Before locking the cart, you must first set up a passcode through the CaddyTrek app. Refer to page five (5) of this user manual. The cart will not enter lock mode until a passcode is set up in the app.

Once you have set up a passcode, you can then lock the cart.

Lock the cart

- Hold down the left button on the cart until you hear the double short beep.
- The LED light on the cart will QUICK FLASH GREEN AND BLUE.

Unlock the cart

- Enter code by pressing buttons on the cart; or
- Use the handset to enter any mode; or
- Bring the handset close to the cart (within 1.5m of the cart)

Disable and Find Lost Handset

If you lost your remote, you can still use the cart by disabling it.

Disable the handset

- Press and hold both buttons on the cart until the cart beeps.

Locate the handset

- Press and hold both buttons on the cart for more than 4 s. The handset will then beep every 1 to 2 seconds.

V. PRECAUTIONS

Wide Open Spaces

CaddyTrek is designed for use in wide open spaces only. Do not operate CaddyTrek in enclosed or confined areas.

The handlebars need to AVOID interfering with the camera. Do NOT block the camera.

In the Parking Lot

Use manual Push or Power Assist mode in the parking lot to navigate around cars or other obstacles that can cause the signal to bounce.

Obstacles

The user needs to be aware of obstacles. Use caution and move slowly around obstacles, including bodies of water, bunkers, and other obstructions.

When in doubt, use RC or Push mode.

Signal Interference

When encountering interference, use manual “Push” mode.

Be aware of the following:

- Overhead power lines
- Radio and cell phone towers
- Nearby airports or air bases
- WI-FI or similar electronic signals



RF (Radio Frequency) Interference

If you experience signal interference while in RC mode, it is probably due to cell phone towers nearby or the location of the golf course.

Should you *encounter* interference with the handset, change mode to manual “Push” mode.

Wet Conditions

- DO NOT use the CaddyTrek in wet conditions.
- DO NOT hose down the CaddyTrek with water.
- If it rains, turn off the unit and push the cart to a dry, safe area.
- Dew on the grass is OK to use the cart.

VI. TROUBLESHOOTING

Powering On

If there is no response after two minutes of powering on, reboot the R4.

If after 45 seconds, you do not hear a beep and see a blinking yellow light, reboot the R4.

To reboot the R4, turn off the unit and then turn it on again. Must have a blinking yellow light to use the camera for follow mode.

If you see a red light on the LED, then reboot the R4.

Pairing

If you see three green lights on the handset, then pairing was UNSUCCESSFUL. Repeat the process. Refer to page three (3) of this user manual, "Pairing."

Sun Glare

Like any other camera, facing directly into the sun may cause sun glare. Shadow the camera with your body.

When using follow mode and walking directly into the sun, to prevent sun glare, we suggest switching to Marching Mode to turn the cart in the opposite direction of the sun.

VII. TIPS AND TRICKS

- When going down a steep hill, DO NOT use follow mode. This may cause the cart to tip over. Use Marching Mode or Manual Push Mode.
- Do not walk too fast – The unit may start to sway as the camera tries to find the user. If it starts to sway, stop walking, let the cart catch up, and then start walking again.
- Walk slowly on narrow cart paths to avoid swaying and hitting the curb and/or falling off the cart path.
- DO NOT overload the cart. The maximum load weight is thirty-three pounds. If the cart is overloaded, this could cause the cart to sway.
- Clean the camera lens with a dry, soft cloth regularly.
- If after the first attempt of activating follow mode, wait two seconds, then try again.
- When using Manual Push (Free Wheel) Mode, use it on level grounds.
- Always use an ungloved hand when activating the camera.
- When in doubt, press STOP, STOP. This will take you to Standby (SB) mode. Watch below.

VIII. SPECIFICATIONS

Remote Control	Range up to 50 yards
Motor	Dual motors (250 watt each)
Drive:	Follow: Front wheel drive Remote: Rear wheel drive
Battery Type	Lithium-ion
Battery:	24V 10.5Ah Weight: 6 lbs / 2.7 kg Average Charge Time: 6 Warranty: 2 year
Battery Charger:	Input: 100/240V AC Output: 29.4V 1.8A DC Trickle Charger
Weight	30 lbs. (without battery) 36 lbs. (with battery)
Speed R/C	Up to 7 km per hour
Stopping Distance "Follow"	1.1yd / 1 m (from golfer)
Max. Detection Distance "Follow"	5.5 yd / 5 m (from golfer)
Maximum Load	33 lbs / 15 kg
Slope	20 degree straight uphill
Driving Range (holes)	36 Holes
Dimensions: • Folded • Fully Expanded	L 59 x W 60 x H 32 cm L 93 x W 60 x H 102 cm
Wheels	Polyurethane (PU)
Frame Material	Aluminum Alloy (Aerospace Grade)
Frame Color	Black
Cover Color Options	Black and Blue
Handset Battery Type	Lithium-ion polymer
Operational Time	30 hours
Charge Time	2 hours / DC



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