

CaddyTrek[®]

R3X

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/>



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 battery in temperatures below -10°C or above 40°C
- Do charge in a well-ventilated area.
- Do not charge 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 charge battery 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 battery connected to the grid during prolonged power outages.
- Do not splash or immerse battery in liquids.
- Do not use a non-CaddyTrek branded charger to charge battery as it may cause battery damage or cause fire.
- Do not use battery if damaged.
- If disposing of battery, take it to a proper recycling center

TABLE OF CONTENTS

Section	Page No.
I. Getting Started	1-4
• Contents of Box	1
• Charging the Battery	1
• Checking the Charge Level	1
• Using the Battery Chargers	2
• Unfolding and Folding	3
• Handset Buttons Defined	3
• Powering Up the CaddyTrek	4
• Pairing Handset and Unit	4
• Identifying LED Lights & Sounds	4
II. Handset Commands	5
• Check handset battery charge level	
• Directional Arrow Buttons	
• Recalibrating CaddyTrek	
III. Operation Modes	6-10
• Using Bluetooth (CaddyTrek App)	6
• Manual Push (Free Wheel) Mode	6
• Remote Control Mode	7
• Follow Mode	8
• Using Marching Mode	9-10
IV. Precautions	11
V. Troubleshooting	12
• Powering On	
• Pairing Handset	
• Dealing with Sun Glare	
• R3X Part Identification	
VI. Tips and Tricks	13
• When in Doubt, Use Remote	
VII. Warranty Policy	14
VIII. Return Policy	15
IX. Specifications	16

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

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 charger 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 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 battery charger into a power outlet.
4. The indicator light should turn **RED** to indicate 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)



I. GETTING STARTED

Unfolding and Folding CaddyTrek



<https://youtu.be/Pbp7fwhXCos>

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.



I. GETTING STARTED

Powering up the CaddyTrek

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



https://youtu.be/r1n_JewbJKo?si=Zt169FFx6YxuH8ZN



Identifying the LED Lights & Audio Sounds

- SOLID WHITE light = Camera warm up (about 45 sec - 2 beeps)
- FLASHING YELLOW light = Stand By (SB) mode
- FLASHING BLUE light = Remote Control (RC) mode
- SOLID GREEN light = Follow (FL) mode
- SOLID PURPLE light = Marching Mode
- LIGHT BLUE light = Push Mode



<https://youtube.com/shorts/8ORGFC4U44k?feature=share>

II. USING THE HANDSET

Additional Handset Commands

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

1. Mute the handset:

- a. Press the DOWN arrow (4) times then press STOP.
- b. Repeat steps to disengage.

2. 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. 4 green lights = 100% charged
 - ii. 3 green lights = 70% charged
 - iii. 2 green lights = 40% charged
 - iv. 1 green light = 10% charged

3. 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 button or press 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.
- To go back into Standby (SB) mode, press STOP, STOP.

4. Recalibrate CaddyTrek

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

- a. Turn the unit on.
- b. Press LEFT, RIGHT, LEFT, RIGHT, then press STOP.
- c. The unit will beep twice.



<https://youtube.com/shorts/vyTj7FR1eqU?feature=share>

III. OPERATION MODES

Bluetooth Capabilities

The CaddyTrek R3X has Bluetooth capabilities where you can control your cart with your phone using the CaddyTrek app. You can download the app from your play store.



<https://youtube.com/shorts/qYxk1MkTRT4?feature=share>

Manual Push (Free Wheel) Mode

1. Activating Free Wheel Mode Manually

- a. From Standby (SB) mode, tilt the cart down using the handlebar until the anti-tipping wheel is touching ground.
- b. CaddyTrek will beep indicating push mode.
- c. To disengage, pause for a second and repeat 1st step, listen for the beep. You are now back in SB mode.



<https://youtube.com/shorts/K7JVogAtVAw?feature=share>

2. Activating Push Mode Using Handset

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



<https://youtube.com/shorts/K3SDa- uDkA?feature=share>

III. OPERATION MODES

Remote Control (RC) Mode

1. Power on the handset 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 RC light will be blinking on the handset. **30-yard max range.**
4. Blue light on CaddyTrek will indicate RC mode is ready.
5. To stop the unit, press the STOP button once.
6. RC mode is ready after powering on.

Activating RC Mode:



<https://youtube.com/shorts/v1h0WVr8zG0?feature=share>

RC Mode to Free Wheel Mode



<https://youtube.com/shorts/BaW-xyzaQ9E?feature=share>

III. OPERATION MODES

Follow (FL) Mode

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

- Using Handset
- Using palm gesture

1. Follow (FL) Mode Using Handset

- To activate FL mode, hold down the FOLLOW button, listen for the single beep, then start walking.
- To deactivate, hit the STOP button or the FOLLOW button, listen for the double beep.



<https://youtube.com/shorts/Shm-BdA6Ex8?feature=share>

2. Follow (FL) Mode Using Palm Gesture

- To activate FL mode using palm gesture, hold hand out (palm side facing camera), 8-10 inches from the camera.
- Listen for the beep, then turn around and start walking.
- To deactivate, repeat 1st. step and listen for the beep. You can now walk away.
- Always use UNGLOVED hand.



<https://youtube.com/shorts/znDJJMPHEk4?feature=share>

TIPS

When activating the camera, if it doesn't work on the first attempt, pull hand away, wait 2 seconds, then try again.

IV. OPERATION MODES

Marching Mode

You can activate marching mode in two ways:

- Using Handset
- Using hand gesture

1. Marching Mode Using Handset

- a. To activate Marching mode, hold down the RIGHT directional button, listen for the beep, then take a step back.
- b. Once you start walking, the cart will move in front of you.
- c. To deactivate, hit the STOP button. Unit will beep.



<https://youtube.com/shorts/OoYPbkkgLNE?feature=share>

2. Marching Mode Using Hand Gesture

- a. To activate Marching mode, hold a closed fist 8-10 inches from camera, listen for the single beep, then take a step back.
- b. Once you start walking, the cart will move in front of you.
- c. To deactivate, stop, then take a step back. Unit will beep.
- d. Always use UNGLOVED hand.



<https://youtube.com/shorts/fldwDZFRfcg?feature=share>

VII. OPERATION MODES

Using Marching Mode

Scan the QR codes below to watch videos on operating the CaddyTrek in Marching Mode.

1. Steering the cart in Marching Mode



<https://youtu.be/ea1G-gfPW7Y>

2. Going Up Hills in Marching Mode



<https://youtube.com/shorts/gCzur56quXc?feature=share>

3. Going Down Hills in Marching Mode



<https://youtube.com/shorts/MUNPBY-ayTA?feature=share>

4. Switching from Follow to Marching Mode



<https://youtube.com/shorts/HH9Dx3mFo0U?feature=share>

IV. PRECAUTIONS

Wide Open Spaces

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

The handlebar needs to AVOID interfering with camera. Do NOT block the camera.



In the Parking Lot

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

Obstacles

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 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 dry, safe area.
- Dew on the grass is OK to use the cart.

V. TROUBLE SHOOTING

Powering On:

If there is no response after two minutes of powering on, reboot the R3X.

If after 45 seconds, you do not hear a beep and see a green blinking light, reboot the R3X.

To reboot the R3X, turn off the unit and then turn it on again. Must have blinking green light to use camera for follow mode.

If you see a red light on LED, then reboot the R3X.

Pairing:

If you see four green lights on handset, then pairing was UNSUCCESSFUL. Repeat the process.

Sun Glare:

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

When activating the camera using hand gesture, if after the FIRST attempt fails, wait TWO seconds then try again.

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.



<https://youtu.be/3O3tyOpt4cs>

R3X Parts Identification:

It's good to know the parts on your CaddyTrek R3X in case of needing support or purchasing replacement parts.



<https://youtu.be/jHhwqF2aDa4>

VI. 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, and 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 camera lens with 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 camera.
- When in doubt, press STOP, STOP. This will take you to Standby (SB) mode. Watch below.



https://youtu.be/_DMd90wJYwM

- Five second safety time out sequence. When you activate Marching mode and you do not move, the cart will time out after 5 seconds for safety. Before activating, make sure nothing is in the way of cart.



https://youtu.be/_hPc5nGTQus

VII. WARRANTY POLICY

Warranty Policy

FTR Systems warrants the product against manufacture design and defects in materials for a period of **TWO (2) YEAR** from date of purchase.

The following is covered under the terms of the limited warranty:

YEAR 2: motors, electronics, battery, and mechanical parts.

The manufacturer is not responsible for damage or part failure due to normal wear-and-tear or misuse of the product.

FTR System's Warranty Obligations

If a defect arises and a valid claim is received within the warranty period, at its option, FTR Systems will either:

- Send parts for replacement at no charge; or
- Repair the defect at no charge, using new or refurbished parts in cases where service work is required.

Customer's Warranty Obligations

- Customers do not need to register for warranty. Upon shipping to customer, CaddyTrek is automatically registered for warranty.
- Customers **must** keep the **original shipping box** including all packaging material supplied with it.
- Customers should follow a regular maintenance program to keep their unit in top performance.
- Customers should follow recommended use guidelines when using the product. If using the CaddyTrek in areas or in a manner not defined as normal operating standards, can void any future warranty claims.
- Maintain sufficient charging on the battery at all times. Charge battery using supplied charger for product.

Please note: If your CaddyTrek needs to come in for warranty or service work, the unit must be shipped in its original shipping box. If the original box is not available, please call our support team at 702-982-6598 x4 for further instructions.

Failure to comply with this policy may result in additional shipping costs.

VIII. RETURN POLICY

Return Policy

If for any reason the customer wishes to return their item, the item must be returned within 30 days after receipt, in its original packaging, for a complete refund. Returns will not be accepted after 30 days. The 30-day return allotment begins on the delivery date of the customer receiving their CaddyTrek.

All returns to FTR Systems must be authorized prior to shipment. A Return Merchandise Authorization (RMA) number is provided solely by FTR Systems to authorize the return.

Return Guidelines:

- Product must be shipped in its original shipping box.
- Use original packing materials to prevent damage during shipping transit.
- Returns must include any accessories (if applicable) and documentation that came with the original shipment.
- Customer pays for return shipping.

If the customer fails to adhere to FTR Systems Return Policy, the returned shipment will be refused at time of delivery.

To receive an RMA number, please contact FTR Systems at (702) 982-6598 x2.

All returns are evaluated at the time FTR Systems receiving the package and subject to a 10-15% restocking fee. Damage incurred during the shipping transit will be the responsibility of the customer including any additional fees.

Before a refund can be issued, FTR Systems reserves the right to make a final assessment to determine the condition of the returned item(s) and to refuse the return if guidelines listed above are not met.

CaddyTrek Warranty, Return and Shipping Policies:

You can view all our policies at <https://www.caddytrek.com/policies/>

X. SPECIFICATIONS

Remote Control	Range up to 30 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: 3 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 4 miles or 6.5 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 / 20 kg
Slope	13 degree straight uphill
Driving Range (holes)	36 Holes
Dimensions:	
• Folded	L 13" x W 24" x H 22"
• Fully Expanded	L 39" x W 24" x H 39"
Wheels	Polyurethane (PU)
Frame Material	Aluminum Alloy (Aerospace Grade)
Frame Color	Black
Cover Color Options	Red, Black and Blue
Handset Battery Type	Lithium-ion polymer
Operational Time	30 hours
Charge Time	2 hours / DC



FTR Systems, Inc., CaddyTrek

6402 Montessori Street

Las Vegas, NV 89113

Phone: (702) 982-6598 x4

www.caddytrek.com