



# RX1

## OWNERS MANUAL



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Thank you for purchasing the all new PowaKaddy. Please read the following instructions carefully. Battery care is especially important, please refer to Section 13 for detailed instructions.

When you receive your new PowaKaddy you will have the following:

**1 x Trolley | 1 x Front Caster Wheel Assembly | 2 x Wheels | 1 x Battery | 1 x Charger  
1 x Instruction pack | 1 x Handset & Charging Cable**

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## **1 SAFE USE OF YOUR TROLLEY**

Before heading out on course, it is highly advisable to first use your brand new RX1 in a wide-open area to familiarise yourself with the remote characteristics of the trolley. Preferably use on grass with your golf bag secured to the trolley. The speed, turning and braking characteristics of the trolley will be affected by the surface the trolley is used on.

Note: the trolley is optimised for a bag weight of 14kg. An excessively light or heavy bag will affect trolley performance.

Common sense should be applied when using the trolley in remote mode. The trolley does not react well with impacts to cars, trees, bunkers, and immersions in ponds and ditches. Please follow the guidelines listed below:

1. The trolley is not designed to transport people; do not ride on your RX1 GPS.
2. Do not transport any other equipment other than what the product is intended for. A PowaKaddy cart bag is the preferred bag of choice for a secure fit.
3. \*Use the manual control mode when in confined spaces, especially in car parks near and around the club house and pro shop to ensure you have complete control of the product.
4. Do not aim the trolley at other people or golf trolleys.
5. Do not drive the trolley through puddles or standing water.
6. Only operate the golf trolley using the remote if there is an uninterrupted line of sight between you and the product.

Note: although the remote has up to a 50 metre range\*\*, we advise to use the remote only where the trolley and hazards are visible.

**Do not attempt to steer the trolley manually when operated in Remote mode.** The trolley will attempt to run straight and at a continuous speed. Press and rotate the control dial to take over in manual mode.

\*PowaKaddy International Ltd cannot take responsibility for damage or injury caused by improper use.

**\*\*50 metre range dependent on terrain, clear line of sight between handset & trolley, and external electrical interference.**

## 2 Product Warranty

Please take a moment to register your new products to receive the \*Extended Warranties.

You will be required to enter the serial numbers for the Trolley, Battery, and Charger. These are located on the individual items. The serial number on the trolley is located in the rear joint, See image.



**Register now!**  
**Don't miss out!**

Scan to open the registration page  
or visit: [powakaddy.com/my-powakaddy](https://powakaddy.com/my-powakaddy)



*\*Terms and conditions apply. See [powakaddy.com](https://powakaddy.com) for details.*

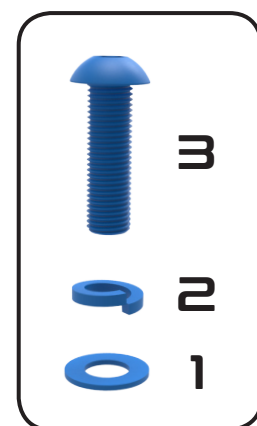
## 3 GETTING STARTED

Remove the front wheel assembly, wheels, and frame from the box.

Slide the front wheel assembly into the frame and secure using the two hex screws and washers provided in the pack. Tighten using the hex key supplied. Note: please save the hex key for adjusting the handle height and attaching the accessory station bolt (supplied in the manual pack).

Remove the axle caps and fit the wheels by pressing the release button located on the hub and slide onto the axle until the the wheel is touching the black clutch. For ease during transport and storage purposes, the wheels can be inverted.

Note: The wheels can be locked into two positions on the axle; push onto the inner groove to engage the clutches. The outer groove can be used when drive is not required.



## 4 UNFOLD YOUR TROLLEY

First, rotate the anti-tip wheel from under the PowaFrame until it locks into place, sticking out from the rear of the trolley.



Secondly, unfold the frame. Press the grey main lock button (highlighted in blue) and lift the handle until the rear and upper joints click into place.



To fold the frame, press the upper grey button. Fold the front of the frame so it latches onto the front of the PowaFrame and the handle latches into the rear joint.

To fold the anti-tip wheel away, release from the open position pressing the small lever on the underside of the wheel, then rotate under the frame until it bumps into place.

**Please ensure the Anti-tip wheel is always in the open position during use.**



## 5 HANDLE HEIGHT ADJUST

The handle height is pre-set to suit most users but can be adjusted to one of five positions. You only have to adjust this once. To adjust:

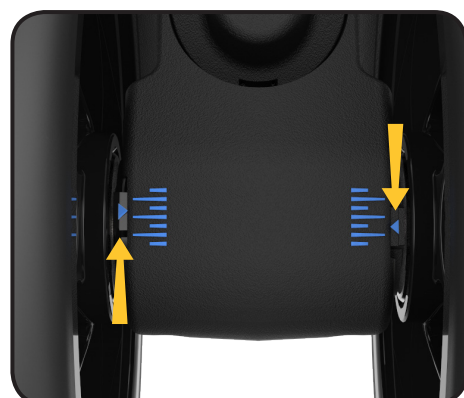
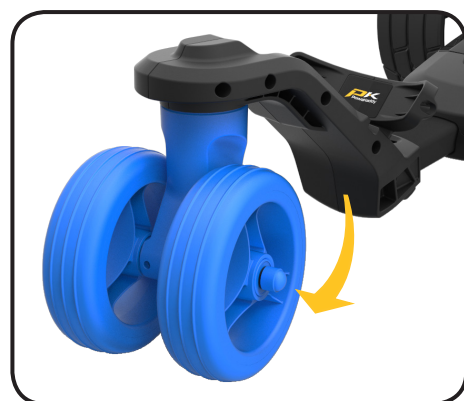
1. With the trolley fully open, remove the locking bolt from the height adjust plate using the 4mm hex key supplied in your manual pack.
2. Raise or lower the handle to the new desired position.
3. Tighten the bolt back up ensuring the adjustment plates on both sides are aligned and locked into the mating features.



## 6 FRONT CASTER WHEEL ADJUSTMENT

Your trolley is pre-set to run straight but if your trolley is running off course, adjust by:

1. Release the front wheel lever.
2. Rotate the front caster wheels 180deg to expose the adjustment screws.
3. Using the hex key provided, adjust the two screws to angle the wheels. Next to each wheel there is an indicator on the underside to help with adjustment.
4. Once you are happy the trolley is running straight re-apply the lever to lock in position.



## 7 LITHIUM BATTERY

**IMPORTANT** - you must fully charge your battery before using your trolley. Always recharge your battery within 24 hours of use. Failure to do so will reduce the life of your battery. See Section 16, Battery Care for detailed instructions.

Your PowaKaddy trolley features an innovative Plug'n'Play™ battery system including sprung terminals and a locking feature to maintain power connection over uneven terrain. Once your battery is charged and trolley assembled, connect your battery as shown:

1. Engage the front of the battery.
2. Press the rear until the battery clips into position.
3. Press and hold the Power button to turn the trolley on.
4. The power indicator LED on the top of the battery will illuminate green when powered on.

To remove the battery, first turn the off via the power button. Secondly, pull the grey latch to disengage the battery and lift from the frame.

Note: The Lithium battery can be stored within the tray for transportation. Please ensure you turn off the battery using the power button. Leaving your battery on with the Green LED illuminated could lead to your battery discharging or trolley activating during transportation.



## 8 MODES OF OPERATION

**MANUAL OPERATION** - **Self sensing EBS (Electronic Braking System) De-activated.**

**Good for:** Tight spaces, car parks, bridges, steep slopes, paths.

- In manual mode the trolley can be fully controlled from the handle, see Section 10 for full instruction on handle features and modes.
- Press the centre of the control dial to start the trolley. To increase or decrease the speed rotate the dial.
- The trolley's wheels are free to rotate meaning the trolley can be steered by the user to guide it through tight terrain or in areas where there is risk to people or property.
- Self-sensing EBS is de-activated in manual mode. The trolley will pick up and decrease speed due to gravity as it moves up and down slopes. Keep control of the trolley by steering from the handle.

Note: Due to the front caster wheel, over rough and hill terrain the trolley will naturally steer downhill. Please hold onto the trolley handle to remain in full control of the trolley.

**Best Practice:**

- When in tight areas you should physically keep control of the trolley by steering from the handle.
- When travelling up or down steep terrain keep control of the trolley by steering from the handle.



## REMOTE OPERATION - EBS (Electronic Braking System) Activated.

**Good for:** Fairways, around the greens or when you are in the rough.

**Not for:** Car parks, bridges, paths or negotiating hazards.

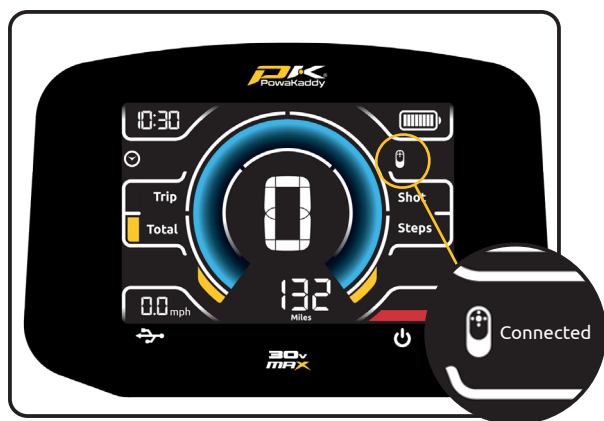
- In Remote mode the trolley will attempt to move in a straight direction. If you try and steer the trolley manually it will counteract your input. Use the handset to steer the trolley or use the trolley's control dial to switch to manual mode. The trolley can now be steered manually from the handle.

### Best Practice:

- The remote has a nominal 50m range and under certain conditions may travel further. However, it is recommended that you keep the trolley within 25m and a clear line of sight so that you can operate safely and see obstacles in its way.
- Hold the handset in your hand and position the trolley approximately 10m in front of you and on the line of your ball. Make small adjustments to direction and speed as you see fit. Do not place the handset in your pocket while the trolley is moving.
- Place the handset on the cradle under the handle when taking a shot.
- If you place the handset in your pocket or clip to your belt while taking a shot, use the key lock button to protect from accidental button presses.
- If you are going to walk any distance away from the trolley, keep your handset with you so you can drive the trolley to you instead of walking back to the trolley.

**The trolley will switch between control modes based on the last input. For example, if you start the trolley in manual mode then change the direction or speed using the remote the trolley is now in remote mode.**

## 9 REMOTE CONTROLS



Your new remote handset is pre-paired to the trolley and ready to use. Turn on by pressing the power button. Once the trolley is powered, the handset symbol is illuminated on the display to indicate the handset is Connected. In the event you require to pair the handset, please follow the instructions listed in the Settings, Section 12.

Please note, the remote handset features a sleep function whereby the handset will switch off after 30 minutes of inactivity.

Note: Your remote handset can be used for up to 5 rounds of golf on a single charge depending on use and duration. For optimum performance and prolonging the life of the battery, we recommend charging after every use.

If the handset battery starts to run low, a low battery (Low Batt) warning will flash on the display. At this point we suggest charging the handset battery using the USB charging port on the handle. The trolley can continue to be used in manual mode.

Note: If only the handset is powered on, the handset will continually flash Red if the battery is low.



## Charging your remote handset:

Your remote handset can be used for up to 5 rounds of golf on a single charge depending on use and duration. For optimum performance and prolonging the life of the battery, we recommend charging after every use.

To charge the handset:

1. Plug the supplied mini-USB cable into a powered USB port on laptop, phone charger or trolley. Always check the manufacturers information before use.
2. Plug in the handset to begin charging.
3. The LED on the remote will illuminate red to indicate charging.
4. The charging time will range up to 5 hours depending on the level of discharge.
5. Once the charging process is complete, the LED will turn to green.
6. Unplug the handset once fully charged.

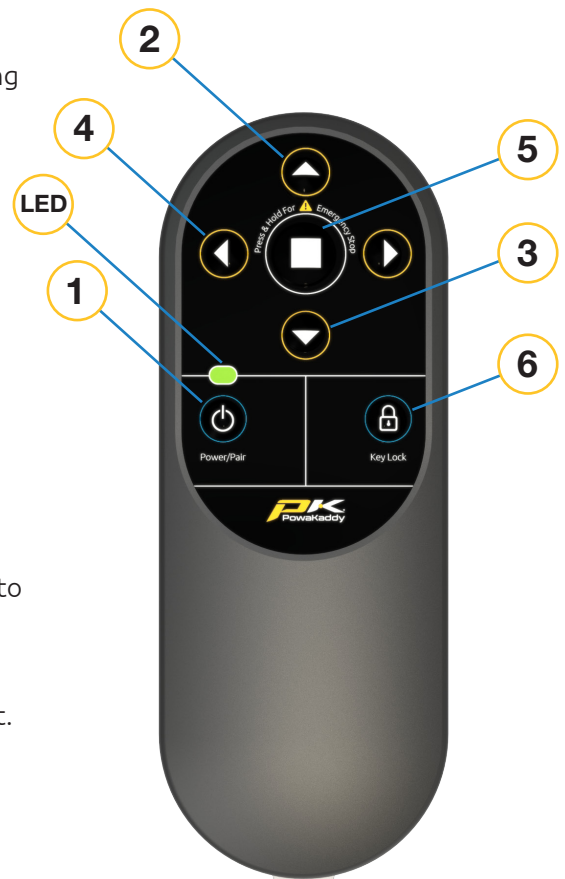
Avoid leaving the handset plugged in, on charge beyond 5 hours.

Please note:

- The remote can be charged during the round using the USB port on the underside of the handle. This will use power from the trolley battery.
- Please charge the remote using the charging cable supplied. Other cables may cause damage.

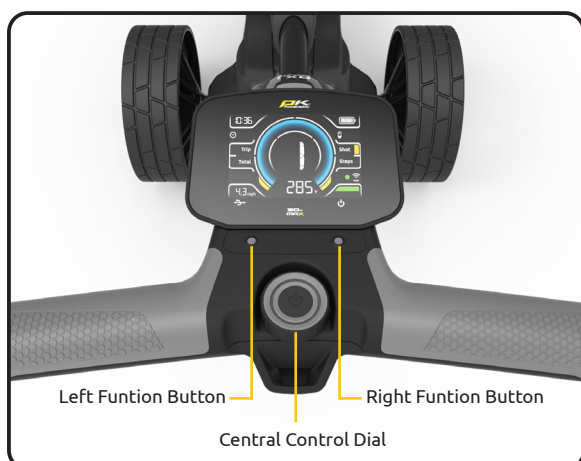
## The Remote Control Features of the trolley are listed below:

1. **POWER/PAIR BUTTON:**
  - Press to turn handset on. The LED will flash Green.
  - Press to turn off handset. The LED will flash Red.
  - Press and Hold during pairing process. See Section 13 for pairing instructions.
2. **FORWARD ARROW:**
  - Press to move the trolley forward.
  - Press to increase speed.
  - Press and hold for increased acceleration.
3. **BACK ARROW:**
  - Press to decrease speed when trolley moving in a forward direction. (Press and Hold to increase the reduction in speed)
  - Press and Hold to reverse the trolley.  
Note: There is no steering function when reversing the trolley. The trolley will stop when the button is released.
4. **LEFT AND RIGHT ARROWS:**
  - Press and Release quickly when the trolley is moving forwards to make small course corrections.
  - Press for a longer duration when moving forwards to make a larger course correction.
  - Press and Hold when stationary will turn the trolley on the spot.  
Note: a continuous Press and Hold when the trolley is moving forwards will cause the trolley to turn on the spot. Once the button has been released, the trolley will continue on its new heading and accelerate back to the previous speed.
5. **STOP BUTTON:**
  - Press the button to bring the trolley to a gentle stop.
  - Press and hold to bring to an abrupt ⚠ Emergency stop.  
Note: the Emergency stop should only be used when required. Continuous use could cause accelerated wear to the drive system.
6. **LOCK BUTTON:**
  - Press to lock the handset. The LED will flash Red.
  - Press to unlock the handset. The LED will flash Green.  
Note: when the handset is locked and a button is pressed, the LED will flash Red.





## 10 MANUAL CONTROLS



Once your battery is fully charged, and connected, your trolley is ready to use. The control functions are detailed below.

**Note:** Your trolley includes a power save mode to extend the life of your battery. After 20 minutes of sitting idle, the trolleys display will turn off. To wake, press the forward or stop button on the remote handset (if powered on and paired with the trolley). Alternatively, rotate, or press the control dial.

**Start and Stop the trolley:** To start the motor, press the button in the centre of the control dial. To pause the motor, press once more.

When the motor is powered, the power indicator will change from red to green. When the motor is paused, the speed setting will flash, and the power indicator will turn red.

**Increase and decrease Speed:** Rotate the control dial to adjust the speed of the trolley from 0 - 9. Press the control dial to pause and resume your selected speed - there is no need to reduce the speed setting.

**Note:** the motor has a 15-minute timeout function and will pause the motor after running for this duration.

**Automatic Distance Function (ADF):** The ADF function is a convenient way of sending your trolley a set distance (5 to 50 yards/metres); for example, when you are approaching a green you can send the trolley towards the next tee if the route allows.

**Note:** it is not recommended to send your trolley unattended over steep or rough terrain.

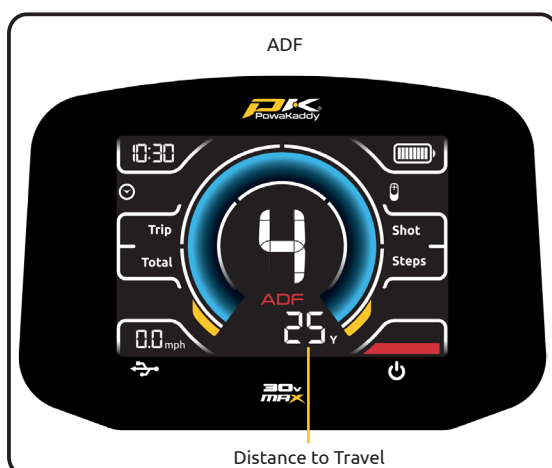
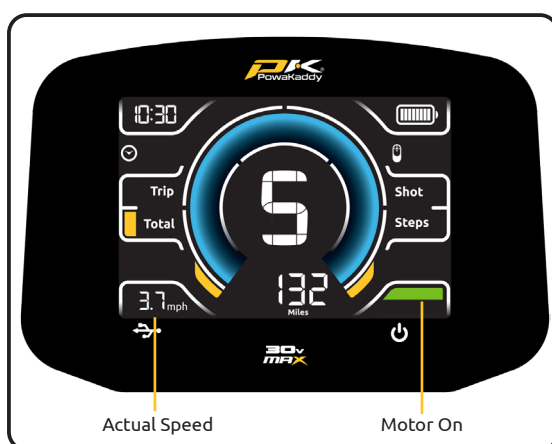
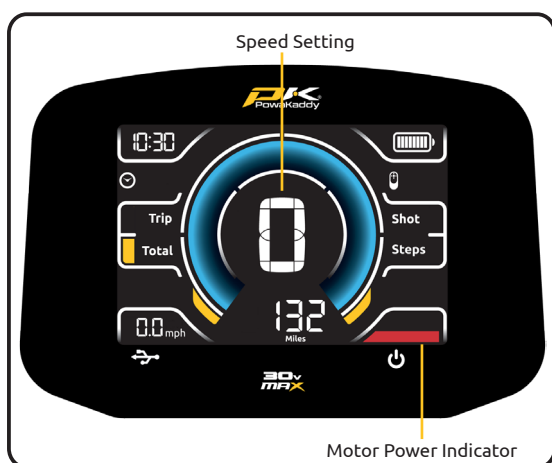
To activate ADF the motor must be paused and then:

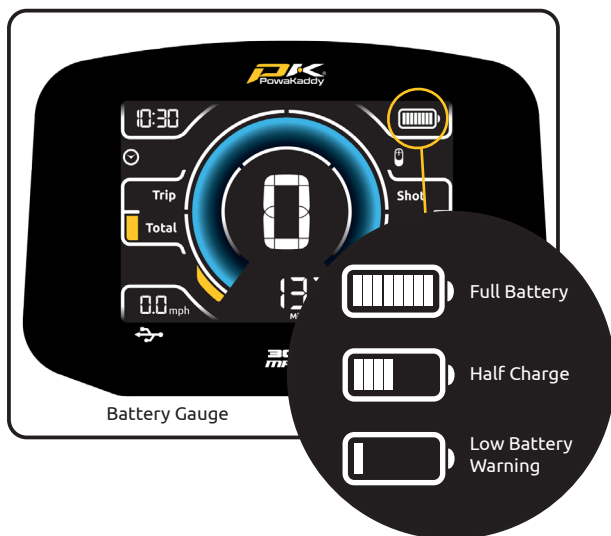
- Press and hold the control dial until ADF display (left) appears on the screen.
- Rotate the control dial to select the distance between 5 and 50 (Yards/Metres).
- To set the trolley in motion, press the control dial to start the motor. The trolley will run by default at speed 4.

To cancel the ADF during set-up, rotate the control dial so "0" is displayed as the distance to travel and confirm by pressing the control dial.

To cancel when the trolley is in motion, simply press the control dial to pause the motor as you would during normal use.

**Note:** ADF distances are approximate based on flat level terrain conditions using a fully charged battery. The overall distance may be affected by terrain conditions, obstacles inclines, declines, battery charge and weight of the bag.





**Battery Gauge:** located top right of the of the display. The charge state of your battery will determine how much of the bar will illuminate.

As you progress through the round the inner bar of the gauge will drop. When the bar has fully extinguished it indicates that the battery is flat. When your battery is new, the bar may only drop a small amount during the entire round. As your battery ages, you may lose more.

If the bar is completely extinguished; (1) you may not have fully charged your battery (2) your battery is nearing the end of its useful life and should be replaced.

**Charging Port:** Located on the underside of the handle. Open the hatch to charge GPS & mobile devices. The output is rated to 5v/1.5A suitable for most USB devices\*

\*USB output voltage 5v/1.5A compatible with most USB portable devices, please check device manufacturers instructions before use. Powakaddy International Ltd accepts no liability for loss of data or damage from using the charging port with incompatible device.

## 11 MEASUREMENT FEATURES.



**Left Function Button:** Press to toggle between the Clock, Round timer, and Lost Ball timer.

- **Clock: 24hrs.** Set the time in the settings menu. See Section 12.
- **Round Timer:** Displays the “on” time of the trolley. This will reset when the battery is turned off.
- **Lost Ball Timer:** Press and Hold the Left Function button to start and reset the 3-minute timer. Once the 3 minutes is up, the Lost Ball Timer icon will flash on the display.

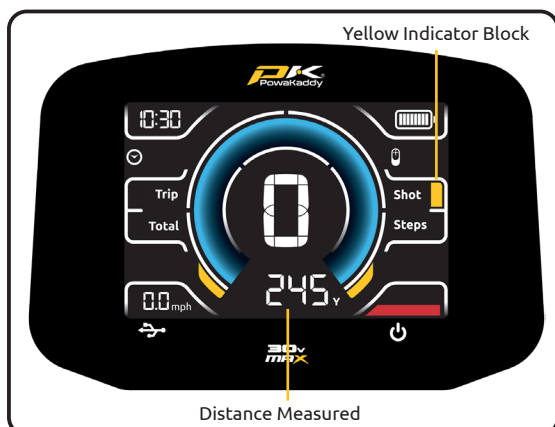
**Right Function Button:** Press to toggle between the Total distance, Trip distance, Shot Measurement and Step counter functions. The yellow block indicates what measurement function is displayed. The distance is shown at the bottom of the display.

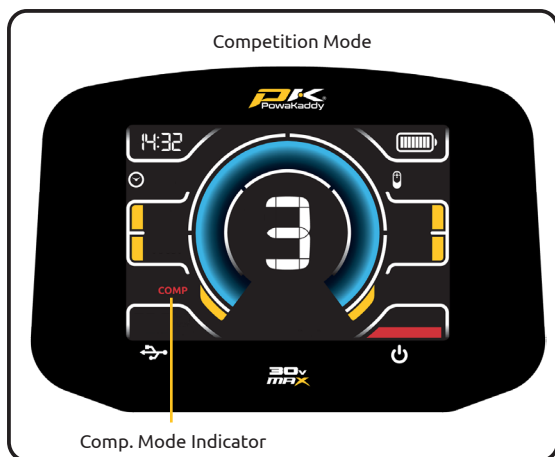
- **Total:** Displays the total distance covered by the trolley. This cannot be reset.
- **Trip:** Displays the distance the trolley has covered during the round. This will reset when the battery is turned off.
- **Shot:** Press and hold the right function button to reset the Shot measurement to 0. As you walk to your ball, the distance will count-up.
- **Steps:** The distance traveled during the round displayed in \*steps. This will reset when the battery is turned off.

Change the distance units from Yards/Miles to Metres/Km in the Settings menu; Section 12.

Note: all distances measured are based on the distance covered by the trolley. Wet and sippy conditions under foot may affect the distance recorded.

\*Steps stride length equal to 77cm.



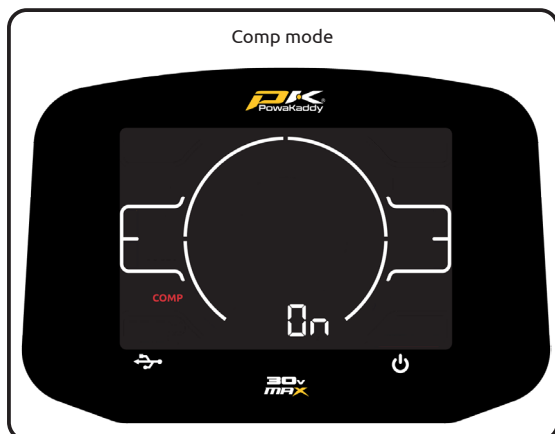
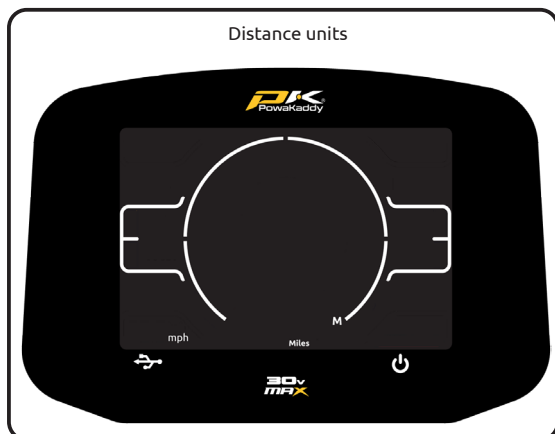
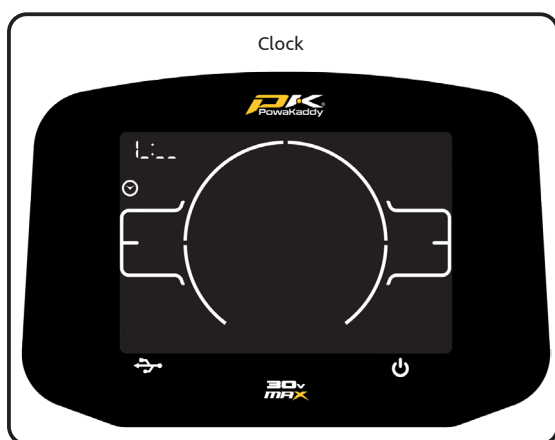


### Competition Mode:

For use in competitions where distance features are not permitted. All distance measuring features will be disabled.

- Competition Mode can be activated and deactivated from the Settings menu.
- When the trolley is switched off, Competition Mode will automatically disable, re-activating distance features for the next round.

## 12 SETTINGS



Your new trolley is ready to use, but there are a number of preferences you can change in the settings menu. To enter the settings:

1. Connect the battery to the and power on.
2. Press and hold both function buttons for 3 seconds. The default display will be replaced by a dark screen.
3. Software version of the Handle (t), Controller (b) and Handset (h) - if connected, will be displayed in the top left hand corner before being replaced with a flashing Clock icon and set time.
4. Press the left or right button to toggle through the options
5. Select the option you wish to change by pressing the control dial.
6. Modify the option by pressing the control dial, then rotate to adjust the value. Press the control dial to confirm the selection.
7. Press and hold both function buttons to save and exit. The display will then return to the default display.

DO NOT POWER OFF the trolley until the display has returned to the normal screen. This will allow your new preferences to save.

### Settings Options:

#### Clock:

With the clock flashing, rotate the control dial to the required digit and press to confirm. Repeat for each digit.

#### Distance Units:

This will change the measurements and ADF function from Yards (miles) to metres (Km). Push the control dial to toggle the selection.

#### Competition Mode:

Disables ADF and distance measurements off. Toggle on and off by pressing the control dial when 'COMP' is highlighted.

#### Security Pin



#### Security PIN:

Rotate the control dial to toggle the Security Pin On and Off. Press the control dial to confirm.

Once turned on, rotate the control dial to select your 4-digit code, confirm each digit by pressing the control dial. Repeat for each digit. Exit the Settings menu to save the Pin.

Note: if you have enabled the security PIN, this will be required every time you turn the trolley on. In the event you have forgotten your PIN you can use the default factory PIN: 7921 to unlock the controls.

Deactivate the pin by selecting the 'OFF' option.

#### Settings Page 3



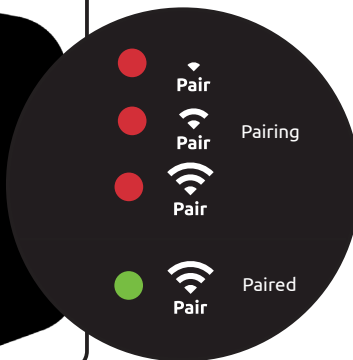
#### Pair Handset:

Note: your handset is pre-paired to your trolley. If a new handset is used or the trolley is factory reset, you will need to re-pair the handset. To pair:

1. Enter the Settings menu.
2. Navigate to the Pair Handset option.
3. Power the remote handset with a single press of the power button.
4. Press and hold the Power/Pair button on the Remote Handset. The LED will begin to flash Green.
5. Select the Pairing Setting on the trolley by pressing the control dial. Once paired, the Green dot on the display will flash. Exit the Settings menu at this point. The handset icon will now be displayed on the main screen.

If unsuccessful, the display will show a flashing Red dot. Please retry the process, starting from step 3.

#### Pair Handset



## 13 Battery Care

PLUG 'N' PLAY™

The XL PLUS 30V Lithium Battery is an extra capacity battery designed to be used with RX Series of Electric Golf trolleys and should be considered an 18 Hole battery when used with a Powakaddy Remote electric trolley.

We are aware that some golfers will try to stretch these batteries to 27 holes. This may damage the overall capacity of the battery and may result in an early failure. Playing more than 18 holes with the battery can seriously shorten the battery's life and will invalidate the battery's warranty.



**30V  
MAX**

### Charging Instructions

1. Plug the charger into the mains - the charger indicator light will be green.
2. Turn on the battery by press and holding the power button until the green light is illuminated.
3. Plug the battery into the charger. The charger light will turn from green to red to indicate the charging process has started.
4. Once the battery is fully charged, the charger status light will be continuous green. At this point, remove the battery from the charger and the charger from the outlet.
5. Turn off the battery using power button.
6. The charging process will take approximately 8 hours depending on the extent of the discharge and battery capacity.
7. Avoid leaving your battery on charge for longer than 12 hours. If left for a long period of time, the battery will automatically turn off.

Please note: if the red and green lights are flashing on the charger, this will indicate that:

- a. The battery was not turned on when connected to the charger.
- b. The charge cycle has finished, and the battery has turned off.
- c. There may be a fault with the battery or charger, please contact Powakaddy technical support.

### Battery Safety

- Never short circuit a battery. Keep it away from paper clips, coins, keys and other small metal objects that can make a connection between the terminals.
- Do not splash or immerse in liquids.
- Do not store or charge the battery in locations where the temperatures may exceed below -10° (14° F) or above 40° C (105° F) such as outdoor sheds or metal buildings in summer.
- Only charge your Powakaddy battery using the approved charger supplied. Using another charger may damage the battery or cause fire.
- Never use the battery if the casing or terminals are damaged.
- There are no serviceable parts within the battery, DO NOT ATTEMPT TO OPEN THE BATTERY or attempt a repair. RISK OF ELECTRIC SHOCK OR FIRE.
- The battery is a sealed unit. In the unlikely event liquid leaks from the battery, do not touch the liquid as it may cause irritation or burns.

Follow these precautions:

- Skin contact – Wash with soap and water.
  - Inhalation – Expose to fresh air and seek medical advice.
  - Eye contact – Immediately wash with water for at least 15 minutes. Seek medical attention.
  - Disposal – wear gloves to handle the battery and dispose of immediately; contact your local council or recycling centre.
- 
- Do not incinerate the battery even if damaged.
  - Only use a Powakaddy Battery with a compatible Powakaddy Trolley. Use of the battery pack on other products may create risk of injury or fire.



## Charging Safety

- Do not probe terminals with conductive objects.
- Only charge a PowaKaddy battery using the supplied PowaKaddy charger. The charger and battery pack are specifically designed to work together.
- Only charge on a hard, flat surface.
- The charger will get warm. Do not cover the charger or the battery.
- Do not expose the charger to rain, frost, or snow.
- Do not use a charger if the plug, leads, contacts or casing is damaged.
- Remove the plug with care. Do not pull on the cord.
- Avoid using an extension cable.

## Lithium Battery Storage

Batteries are to be stored in a cool and dry place away from direct sunlight and excessive heat or cold; ideally store at room temperature. Charge your battery fully before storing. Charge once every three months thereafter.

## Battery Transportation

Ensure the battery is turned off when transporting the trolley to avoid activating the trolley and discharging the battery. Check with your airline before attempting to ship your battery by air.

## Lithium Battery Disposal

At the end of its useful life, please discard the battery with due care for the environment.

1. If possible, run down the battery completely and remove from the trolley.
2. Take the battery to your local recycling centre.

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# 14 MAINTAINANCE

Your PowaKaddy trolley is easy to maintain.

- Store your trolley inside
- Never jet wash or immerse in water. Clean the trolley using a sponge and warm water to remove mud, grass, and other debris.
- Occasionally remove the wheels and apply grease to the axles and wheels.
- Only use approved PowaKaddy parts for repairs.

Your serial number can be found in the cavity of the rear joint, please make a note for future reference. Should you experience a problem with your PowaKaddy product, please visit [www.powakaddy.com/support](http://www.powakaddy.com/support)





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