



FX5

OWNERS MANUAL



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POWAKADDY.COM



Thank you for purchasing the all new Powakaddy. Please read the following instructions carefully. Battery care is very important, please refer to Section 10 for detailed instructions.

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

1 x Trolley | 1 x Battery | 1 x Charger | 2 x Wheels | 1 x Instruction pack

1 Product Warranty



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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.

**Terms and conditions apply. See powakaddy.com for details.*



2 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 bolts and washers provided in the Manual Pack using the supplied Hex Key. Note: please save the hex key for adjusting the handle height, See Section 6.

Remove the axle caps and fit the wheels by pressing the release button and sliding onto the axle until the clutch is engaged.

Note: On EBS models only, 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.



3 Unfold Your Trolley



To open the frame, press the grey main lock button (highlighted in Blue) and lift the handle until the rear and upper joints click into place. Rotate To fold the trolley, reverse the process to fold so that the handle hook locks into the rear joint.



4 Lithium Battery

IMPORTANT- you must fully charge your battery before using your trolley. Always recharge your battery within 24 hrs of use. Failure to do so could reduce the life of your battery. See Section 10 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.

Turn on and off via power button



1. Engage the front of the battery.
2. Press the rear until the battery clips into position.
3. Press the Power button to turn the trolley on.

To remove the battery, first turn the off via the power button. Pull the grey latch to disengage the battery before lifting 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.



5 Front Wheel Adjust

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 up to make your trolley track more to the LEFT.
3. Rotate down to track more to the RIGHT.
4. Once you are happy the trolley is running straight re-apply the lever to lock in position.



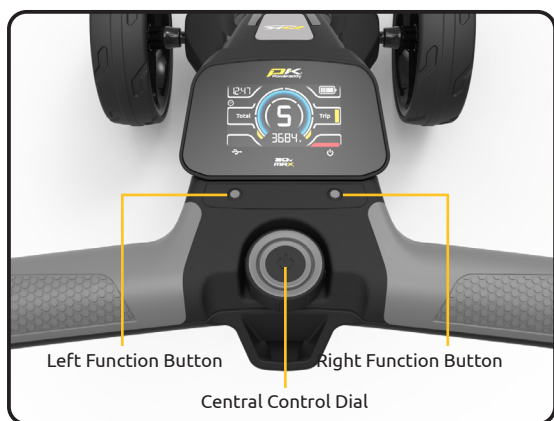
6 Handle Height Adjust

The handle height is pre-set to suit most users but can be adjusted to one of five positions. 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 locked into the mating features.



7 Controls Overview



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 up, rotate or press the control dial.

Start and Stop the trolley: To start the motor, simply press the black 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 safety timeout function and will pause the motor after running for this duration.

Left Function Button: Press to toggle between the Clock and Round timer function.

- Clock: 24hrs. Time set in the Settings menu. See Section 8
- Round Timer: Displays the "on" time of the trolley. This will reset when the battery is turned off.

Right Function Button: Press to toggle between the Total the Trip distance functions.

- **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.

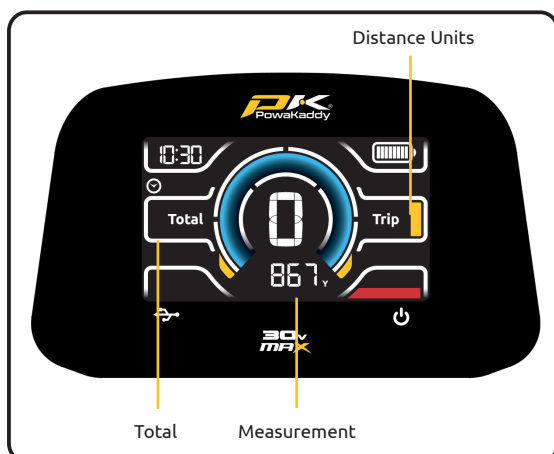
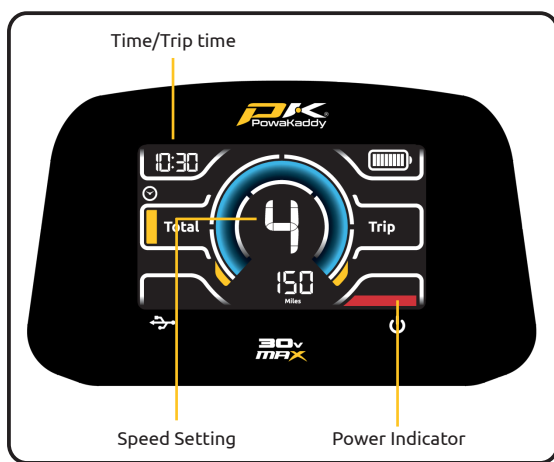
Change the distance units from Yards/Miles to Metres/Km in the Settings menu; Section 8.

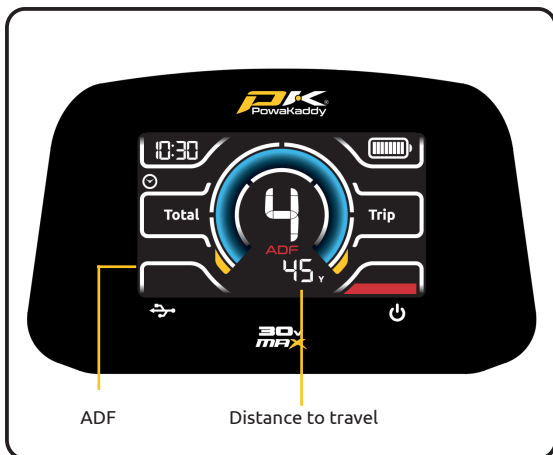
Charging Port: Located on the underside of the handle. Open the hatch to charge GPS & mobile devices. The output is rated to 5v/1.5A suitable for most USB devices*

*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.

Automatic Distance Function (ADF): The ADF function is a convenient way of sending your trolley a set distance. (15, 30, 45 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.



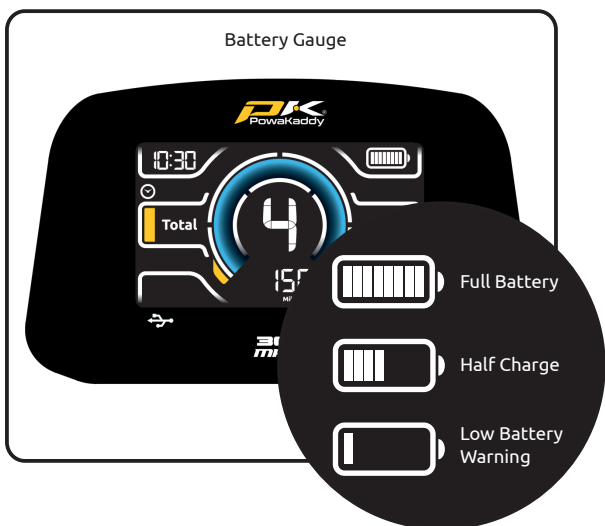


To activate ADF the motor must be paused and then:

1. Press and hold the control dial until 'ADF' appears on the display.
2. Rotate the control dial to select the distance between 15 to 45 (Yards/Metres).
3. 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, rotate the control dial counter-clockwise so "0" Yards/Metres are displayed 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.



Battery Gauge: Displays the trolleys battery status. As you progress through your round the bars will extinguish from full to empty. When the final bar is extinguished it indicates that the battery is flat. When your battery is new you may lose only a few bars during the entire round. As your battery ages, you may lose more bars.

If you lose all the bars this could indicate; (1) you have not fully charged your battery (2) your battery is nearing the end of its useful life and you should consider buying a replacement.

For further battery care information, please refer to Section 9.

8 Factory Settings



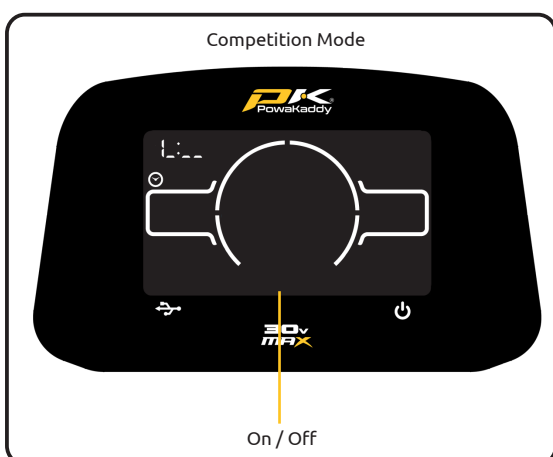
Your new trolley is ready to use, but there are a number of preferences you can change in the settings menu. To enter the settings:

1. Connect the battery to the trolley and turn on.
2. Press and hold both function buttons for 3 seconds. The default display will go dark followed by the software version of both the Handle (h) and the Controller (b). The clock will then be flashing in the left hand corner.

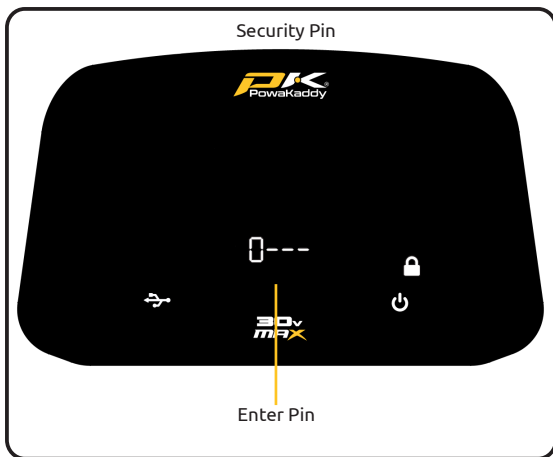
Note: the software versions are useful information to quote to customer service if ever there was a suspected electronics fault with your trolley.

3. Press the left and right buttons to toggle through the options.
4. Press the Control Dial to select the option. It will go from a flashing value to a solid.
5. Edit the option by rotating the Control Dial.
6. Confirm your selection by Pressing the Control Dial. The option will begin to flash once more.
7. Exit the Setting Menu by press and holding the two function buttons.

Each of the settings are detailed below:



Clock: Once selected, rotate the control dial to the required digit and press to confirm. Repeat for each digit. Once the fourth digit has been set, the new time has been set and the option will begin to flash.

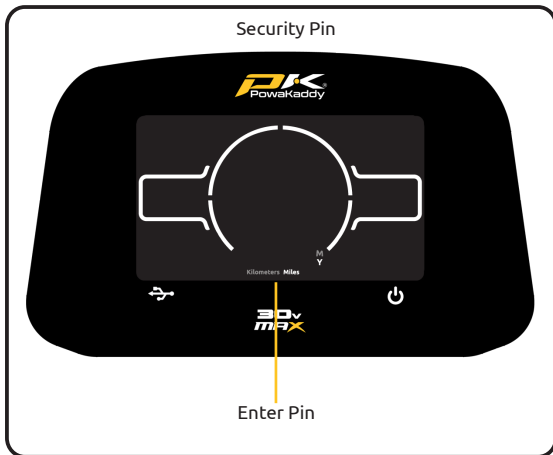


Distance Units: Once selected, rotate the control dial clockwise and counter-clockwise to toggle between Yards/Miles and Metres/Km. Press the control dial to confirm your selection.

Competition Mode: Disables ADF and Distance measurement features. Once the option is selected, rotate the control dial clockwise to toggle between the on and off. Press the control dial to confirm your selection.

Note: COMP Mode is deactivated once the battery is powered off or removed.

Security PIN: Once selected, rotate the control dial clockwise and counter-clockwise to turn the security Pin on and off. Press the control dial to confirm your selection.



When turned on, rotate the control dial to select your 4-digit code. Confirm each digit by pressing the control dial. Repeat for each digit. Once the fourth digit has been set, the 4-digit pin code will be set. The Security PIN option will begin to flash.

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.

9 Electronic Braking System

EBS

The Electronic Braking System (EBS) is an option extra feature on the Powakaddy FX range.

The EBS is an automatic assisted braking system for downhill descents, maintaining the selected speed to prevent the trolley running away from the user.

Warning: EBS is an assisted braking system for hill descent, not a 100% parking brake. The trolley must be powered on and the wheels engaged with the clutch for the braking system to function. The drive system uses a limited slip differential to allow braking and provide ease of manoeuvrability. Try to avoid traversing a steep hill as the load of the trolley will mostly be applied to the lower wheel on the slope and may cause the higher wheel to slip. If your trolley loses traction and the wheels start to spin, reduce the speed and apply even pressure on the handle to increase traction of both wheels.

Caution: Wet or loose ground conditions may cause the wheels to lock and slip on steep slopes. When walking up, down or traversing slopes, please maintain a firm grip on the handle to assist the trolley and avoid injury or damage.

10 Battery Care

PLUG 'N' PLAY™

Note: the Standard 30V Lithium Battery is designed for use over 18 holes and must always be fully charged before the next round. Please follow charging instructions as outlined on the following pages. 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 Standard battery can seriously shorten the battery's life and will invalidate the battery's warranty.

Note: in normal conditions the XL Extended 30V Lithium Battery will do 36 Holes when used on a PowaKaddy product. Conditions such as long or exceptionally hilly courses, wet ground conditions and excessively heavy golf bags may reduce the range of the trolley.



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.

11 Maintenance

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



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