OWNERS MANUAL

FW5ˢ GPS
RENTAL

All PowaKaddy electric trolleys
have been awarded the Quiet Mark
by the Noise Abatement Society

Thank you for purchasing the new **PowaKaddy FW5s GPS Rental Cart**. Please read these instructions carefully. Battery care is very important, please refer to the back page of this manual for battery care instructions.

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

1 x Trolley | 1 x Lithium Battery | 1 x Charger | 2 x Wheels | 1 x Instruction pack | 1 x Update Cable

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

Note: Your Lithium 36 Hole battery is stored in the frame for transportation. Remove the battery and activate using the isolation switch located on the underside of the battery. This switch must be in the on position when using the trolley and during charging. (See Section 2 Plug'n'Play™ for battery removal)

0   1

1 Getting Started

Fit the wheels by pressing the yellow release button and pushing onto the axle until the clutch is engaged. The wheels can be locked into two positions on the axle; push onto the inner groove to engage drive. The outer groove can be used when drive is not required. To open the frame, slide the main lock (highlighted red below) forward to release the handle latch and open as shown below.

A

B

C

2 PLUG'n'PLAY ™

Your Rental Cart 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 Rental Cart assembled connect your battery as shown.

- Engage the rear of the battery first.
- Press the front until the battery clips into position. The Rental Carts power will automatically be connected.

To remove the battery depress the front latch and lift the front of the battery out.

Note: The Lithium battery can be stored within the tray for transportation. Please ensure you de-activate the battery using the red isolation switch located on the underside. Leaving your battery in the ON (1) position could lead to your battery discharging or trolley activating during transportation.
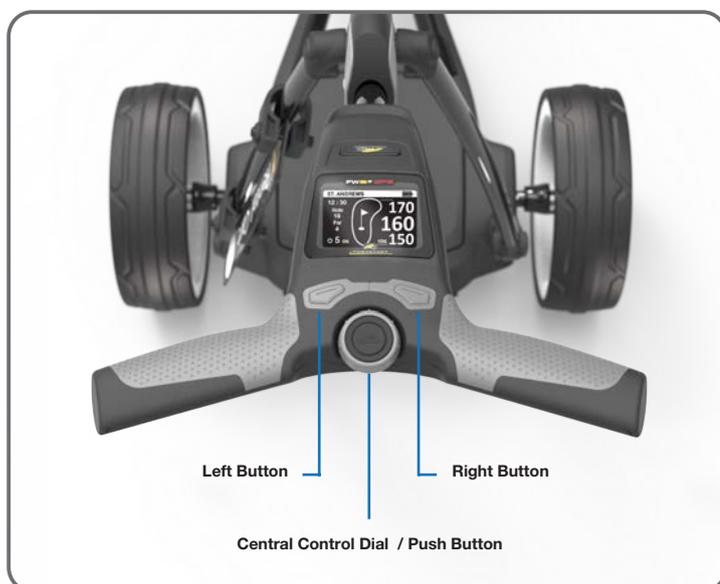
③ Front Wheel Adjustment

Your Rental Cart will already be pre-set to run straight. If you find your Rental Cart tracking to the left or right you can re-adjust this by releasing the front wheel lever and rotating the adjustment roller. Rotate up to make your trolley track more to the LEFT and rotate down to track more to the RIGHT. Once you are happy the Rental Cart is running straight re-apply the lever to lock in position.

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④ Controls Overview

The FW5s GPS is the worlds most intelligent Rental Golf Cart with fully integrated GPS capability, taking away the need to carry external devices to manage your game. Consisting of the latest technology, bright multi-function LCD display and cutting-edge styling combined with a powerful 230w motor.

Left Button

Right Button

Central Control Dial / Push Button

Central Control Dial:

- Rotate to adjust the speed of the trolley from 0 to 9.
- Press to pause and resume your selected speed.
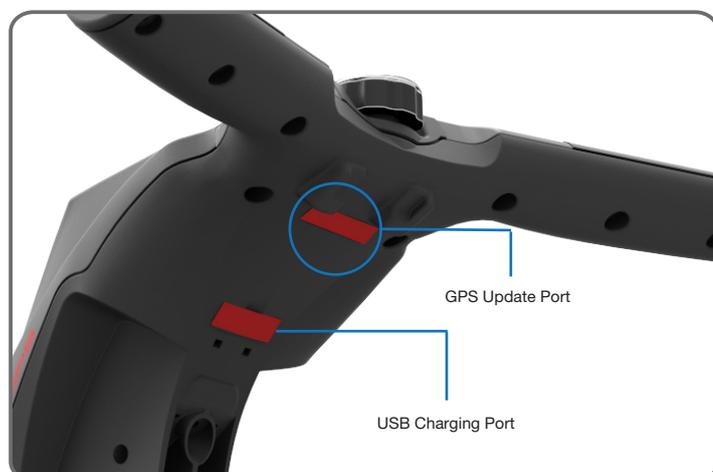- Navigate menu options / press to select or enter value.

Left Button:

- When connected to GPS, press to move to previous hole.

Right button:

- When connected to GPS, press to move to the next hole.

Left + Right button:

- Press and hold both buttons for 2 seconds to enter the admin settings menu.
- Press and hold both buttons for 2 seconds to exit Admin settings menu and return to previous screen.

GPS Update Port

USB Charging Port

USB Charging Port:

- Located on the underside of the handle. Open the hatch to charge mobile devices. The output is rated to 5v/500mA suitable for most USB devices*

*USB output voltage 5v/500mA 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.

GPS Update Port:

- GPS device contains over 37,000 course maps.
- Connect programming cable (supplied) to Windows PC or Laptop to update see 'www.powakaddy.com/gpsupdates' for more information.

5 Start Up

Main Menu

Searching for GPS Signal

Course Select

Once your battery is charged and connected your Rental Cart will be ready to use. The display will illuminate showing the 'Main Menu' (see left), rotate the centre control dial to select from the options and press to select the following:

Play Golf:

- Move the cursor to **Play Golf** mode using the central control dial.
- Press the central control dial to enter **Play Golf.**
- The trolley will start searching for GPS signal. This can take up to 2 minutes depending on location and signal strength. For best results operate away from buildings in an open sky position to receive the signal from the satellites.
- If no signal is acquired after 3 minutes, the Low Signal icon will be displayed. Move to a better GPS signal strength area and the trolley will continue searching. (The display will return to the searching icon to reflect this).

You can operate the Rental Cart motor function as normal while the GPS device identifies your location and local course information. Once the device has a GPS lock the next time the Rental Cart stops your nearest 5 local courses will be displayed.

Demo Mode:

Will allow the user to explore the **Play Golf** screen without requiring a GPS signal lock.
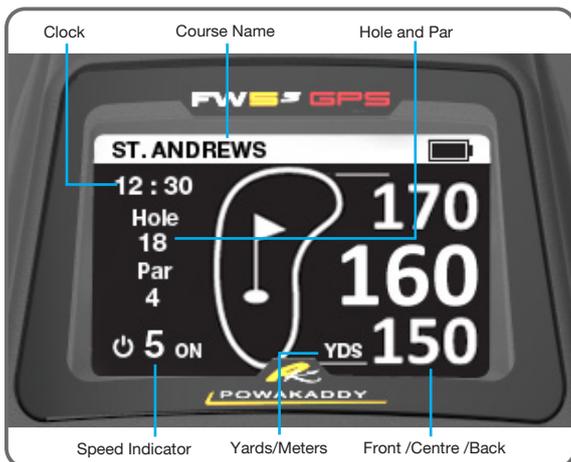
- Select 'Demo' from the start menu.
- The display will show the GPS searching screen before moving to the course select screen. It will toggle through the options before selecting one from the list.
- The display will show the **Play Golf** screen. The Front, Middle and Back green distances will count down to replicate the trolley approaching the green.
- To exit, press the control dial or if left the Rental Cart will automatically return to the start menu after 35 seconds.
- Repeat the steps above to start Demo mode again.

Admin:

Allows you to alter settings such as time, distance units and set pin locks. See Section 7 for further details.

6 GPS Functions

Clock   Course Name   Hole and Par

Speed Indicator   Yards/Meters   Front /Centre /Back

Once a course has been selected you will be directed to the **Play Golf** screen which features are listed below:

Clock: Displays the current time from the GPS information. To adjust the time for daylight saving hours see Admin options section.
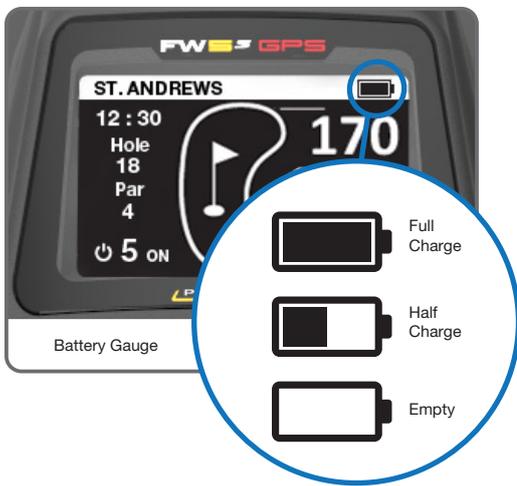
Course Name: The course information the Rental Cart is displaying.

Hole and Par: Displays the Hole number and Par information of the course you are playing.

Front, Centre, Back: The front, middle and back distances to the green on the hole you are playing are displayed on the far right of the screen.

Yards/Meters: The distance unit used for the front, centre, back measurements.

Speed Setting: Rotate the control dial to adjust the speed of the Rental Cart from 0 to 9. Press to pause and resume your selected speed. When the motor is running 'ON' will be displayed. When the motor is paused 'OFF' will be displayed alongside the flashing speed indicator.

Battery Gauge

Battery Gauge:

The battery gauge on the FW5s GPS Rental Cart is displayed in the top right hand corner of the **Play Golf** display. The charge state of your battery will determine how much of the bar will illuminate (see left).

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 have not fully charged your battery (2) your battery is nearing the end of its useful life and should be replaced.

Auto-Hole Advance:

While travelling from the green area to the next tee, the Par, Hole and Distances will usually automatically advance to the next hole. Due to variations in accuracy of commercial GPS and the route taken by the golfer you may occasionally have to manually advance to the next hole.

- To manually advance to the next hole, press the right button.
- To return to the previous hole, press the left button.
- Your trolley will automatically start at hole 1, if you are starting from a different hole press the right button until the required hole is displayed.

Competition Mode

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 Admin menu.
- When the Rental Cart is switched off, Competition Mode will automatically turn off, re-activating distance features for the next round.

Low Signal:

In certain conditions your Rental Cart may experience a low GPS signal during start up, the SEARCHING will be replaced with LOW SIGNAL (shown on previous page). Once you move to a better signal strength area, the Searching Icon will be restored and the Rental Cart will continue to search for a GPS lock.

Low GPS Signal

If a low GPS signal is experienced during play, the front, centre and back distances may take longer to refresh. 'LOW GPS SIGNAL' will replace the course name in the top white bar to reflect this. All standard Rental Cart functions are still available.

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7 **Admin Options**

Your FW5s GPS Rental Cart has a number of preferences you can change in the admin menu.

Admin Menu:

- When you enter the Admin menu a Default Pin of **2243** will be set. (To set your preferred Pin or disable, see next page)
- The admin options will be displayed across 3 pages.
- To exit the menu press and hold both left and right buttons to return to the previous displayed screen. Alternatively select Return to Start to return to the Main Menu.
- To move to a setting use the rotary control dial to move the cursor then press to select the option you want to change.
- The option will be highlighted, use the rotary control to select the new setting and press the control dial to confirm.
- If turning your Rental Cart off, allow a few moments before switching off to allow your new preferences to save.

Admin Menu Page 1

Admin Menu Page 2

User Security Pin

Admin Pin

Admin Menu Page 3

Set Default Course: If the Rental Cart is only intended to be used at the same course it may be preferable to set a default course to shorten the time it takes to start up the Rental Cart and to make the process easy for a new user.

• Ensure Default Course is turned ON in the Admin Menu
• From the Main Menu select Play Golf and after approximately 1-2 minutes the GPS will lock.
• Select the course you want as your default course.
• Confirm by selecting YES, store default.

To change the default course, turn the default course selection to Off and repeat the steps listed above. (If the Rental Cart has GPS lock, the list of 5 courses will appear removing the need to return to the main menu first). You can turn off the default course option from the admin menu.

The default course option will only work at the selected location. If the Rental Cart is taken to another location, the Rental Cart will ignore the default course and display the list of five nearest golf courses at that location.

Distance Units: The user can select between Yards/Miles or Metres/Km

Time adjust: Allows the user to adjust the clock time depending on daylight saving hours applied to your time zone.

Competition Mode (on/off): For use in competitions where distance features are not permitted.

Demo (on/off): Enables and disables Demo Mode from appearing in the Main Menu.

User Security Pin: Your Rental Cart can be protected by a 4 digit security pin. This will be required on start-up to unlock the Rental Cart controls. To set:

• Scroll to change the USER PIN to ON and press the central control dial to select.
• Rotate the control dial to select your 4 digit code, save each digit by pressing the control dial.

In the event you have forgotten the code use the default factory PIN : **2243** to unlock the controls.

Admin Pin: Once you have set up your preferred preferences you may want to enable the 4 digit Admin Pin to stop anyone accidently tampering with the settings. To set:

• Scroll to change the Admin PIN to ON and press the central control dial to select.
• Rotate the control dial to select your 4 digit code, save each digit by pressing the control dial.

If the admin pin is active you will be required to enter the PIN code each time you access the admin menu. In the event you have forgotten the code use the default factory PIN : **2243** to unlock the Menu.

Tips (on/off): Tips on how to advance the hole periodically during use

Odometer: The total distance traveled by your trolley displayed in Miles/Km depending on Distance Unit setting.

GPS Version: GPS Firmware version installed.

Map Version: Course map data updates will be available periodically from the PowaKaddy Website – www.powakaddy.com/gpsupdates

Electronics Version: Software version of the Rental Cart display and speed controller.

Return to Main Menu Select to return to the Main Menu. (To return to the screen from which you entered admin menu from, hold both function buttons for 2 seconds.)
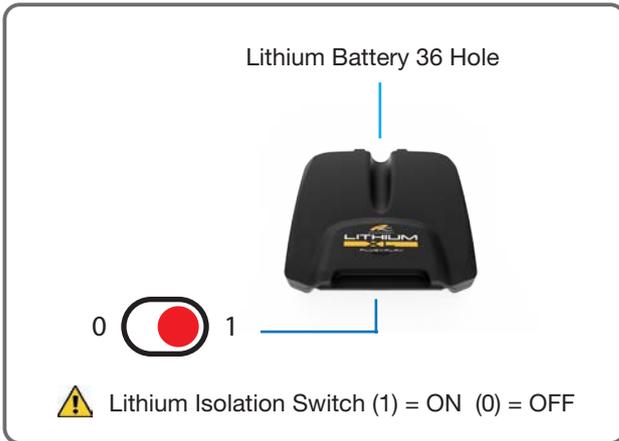
8 Battery Care

Lithium Battery 36 Hole

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⚠ Lithium Isolation Switch (1) = ON (0) = OFF

PLUG' n'PLAY ™

Your FW5s GPS Rental Cart features an innovative Plug'n'Play™ battery system. To maximize your battery life please take time to read the following battery care and charging instructions.

*In normal conditions the Lithium 36 Hole Batteries will do 36 holes when used on a PowaKaddy Rental Cart. Conditions such as long or exceptionally hilly courses, wet ground conditions and excessively heavy golf bags may reduce the range of the battery.

⚠ Important Safety Information about Batteries & Chargers

- Never submerge the battery in water.
- Never leave the battery in the trolley when cleaning the frame.
- If you suspect your lithium battery has water inside do not use or attempt to recharge.
- Never use the charger or battery if the leads, contacts or casings are damaged.
- Dropping the battery may damage the cells or circuit components inside.
- A LITHIUM BATTERY THAT HAS BEEN SUBMERGED IN WATER OR SUSTAINED DAMAGE IS A FIRE HAZARD. **DO NOT USE THE BATTERY**. Place outdoors in a non-combustible container well away from flammable materials. DO NOT RECHARGE THE BATTERY. If you consult a Service Agent, you must explain what has happened. We recommend disposing safely at your local recycling centre.
- Avoid charging your Lithium battery in temperatures below 0 ˚C or exposing the battery to temperatures below -5 ˚C or above 40 ˚C.
- Always place the charger on a hard, flat heat resistant surface. Do not wrap or cover as the charger generates heat during use.
- Never expose the charger to rain, moisture or damp. If you suspect any of these have occurred then do not use the charger.
- Only charge your battery using the compatible PowaKaddy charger provided with your battery.
- Never discharge your battery other than in normal use on the trolley.
- Always check with your airline before attempting to transport batteries by air.

Charging Your Lithium Battery

- Place your battery and charger on a hard level surface and connect the battery and charger first before plugging in the mains power and switching on.
- Only charge your Plug'n'Play Lithium battery with the isolation switch in the ON (1) position.
- The charger has 2 indicator lights to represent the status of the battery during the charging process. When connecting a discharged battery, the red light will illuminate to indicate the bulk charge state. When the bulk charging process is complete, the green light will illuminate. The battery should be removed from the charger after the green light is active.
- Never leave the charger connected to the battery with the mains supply switched off.
- We recommend you recharge your battery within 24 hours of use, no matter how many holes played.
- This may take up to 7 Hours for a Lithium battery depending on the capacity of the battery and depth of discharge when charging.
- Never leave your battery in a discharged condition for prolonged periods, this will reduce the life of the battery and your charger may be unable to recharge it.
- If the battery is not to be used for long periods, our advice is to store in a cool, dry place. Please ensure the battery is fully charged before storing and charge every month thereafter.
- Ensure your Lithium battery isolation switch is in the OFF (0) position during transportation.
- Please refer to the product labels on your battery and charger for more information.
- At the end of the battery's life, dispose at your local recycling centre.

⑨ FAQ's

My Rental Cart won't switch on

- Ensure battery is charged and switched to the on position. See section 2 Plug 'n' Play for more details.

My Rental Cart pulls to one side

- Adjust the front wheel. See section 3.

Battery dying before end of round:

- When charging battery ensure the isolation switch is in the on position.
- Ensure battery is fully charged before the start of the round.
- At the end of the round place battery on charge and leave until next required.

Cannot locate my course:

- If your course is not displayed on the course select screen, restart the Rental Cart when in close proximity to the first tee.
- If no course selection screen appears, disable default course in the admin menu.

How do I change the distance units?

- Enter the admin menu, press the control dial to select, rotate to display the preferred unit and confirm by pressing the control dial once more.

The hole will not advance

- If you have taken a shortcut away from the last green to the next tee or conditions do not allow you within normal proximity of the tee, the Rental Cart may not advance. In this case you can advance manually by pressing the right button.
- Move back to the previous hole by pressing the left button.

I am locked out of the Trolley and Settings Menu

- A Pin has been set. Use the default Pin to unlock. The Pin can be reset or disabled in the Admin Menu.

Unable to connect to GPS or No distances displayed:

- Check **Competition mode** is not enabled. Enter the admin menu and deactivate.
- Ensure you are outside away from buildings in an open sky position.
- Navigate to page 3 of the admin menu and check the GPS VERSION displays 1.0 If no GPS VERSION is displayed, you will need to update the firmware on your Rental Cart.
- Visit www.powakaddy.com/support for more information.

My Rental Cart is showing information from a different course

- Re-start the Rental Cart by removing and then replacing the battery in the tray.
- On the Main Menu ensure you select the correct course.

How do I disable or change the Default Course
- To disable : Enter the admin menu scroll to the default course.
- Press the control dial and rotate to turn the default course off.
- To set a new default course see section 7 - **Set Default Course**

🔧 Maintenance

S/N: | A | 5 | G | R | | | | | | |

- Your PowaKaddy Rental Cart is simple to maintain.
- We recommend numbering your charger and battery for easy identification for service purposes.
- **Never jet wash your Rental Cart or immerse into water.** Occasionally remove the wheels and apply grease to the axle and moving parts.
- Your serial number can be found on the underside of the main central tube. Keep a note of the serial number for reference in the box provided above.

Should you experience a problem with your PowaKaddy product please go to **www.powakaddy.com/support**