



# Freeway Range Owner's Manual

**FW3i**

**FW5i**

**FW7s**

**FW7sEBS**  
ELECTRONIC BRAKING SYSTEM

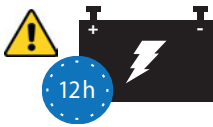


All Powakaddy electric trolleys  
have been awarded the Quiet Mark  
by the Noise Abatement Society

Thank you for purchasing the new Powakaddy. We hope you enjoy your new trolley and welcome your feedback and comments. 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 Battery (Lead-Acid or Lithium) | 1 x Charger | 2 x Wheels | 1 x Instruction pack**



**IMPORTANT-** you must fully charge your battery for a minimum of 12 hrs 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: If you have purchased a Lithium or Lithium Extended product the battery is stored in the frame. Remove the battery and activate using the isolation switch located on the underside of the battery. (See Section 2 Plug'n'Play™ for battery removal)



## 1 Getting Started

Fit the wheels by pressing the yellow release clip and pushing onto the axle until the clutch is engaged. Note: 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.



## 2 PLUG'N'PLAY™

Your FW 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 rear of the battery first.
- 2 Press the front until the battery clips into position. The trolley's power will automatically be connected.

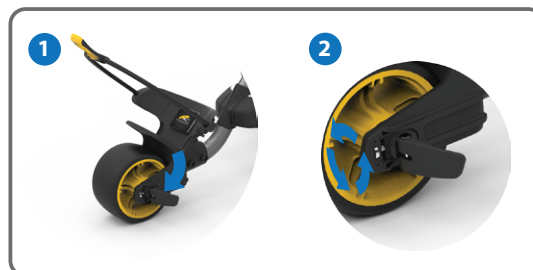
To remove the battery depress the front latch (highlighted) and lift the battery out. The Lithium battery operates in the same way.

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.



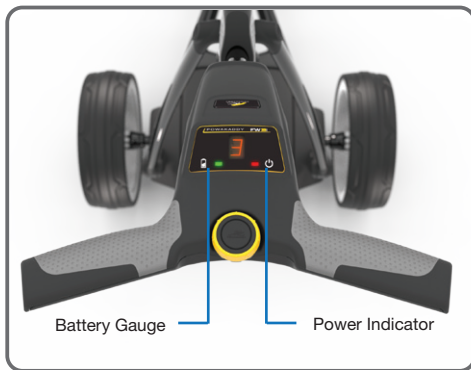
## 3 Front Wheel Adjustment

Your trolley will already be pre-set to run straight. If you find your trolley 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 trolley is running straight re-apply the lever to lock in position.



## 4 Controls Overview

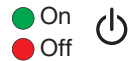
### FW3i



The FW3i features a bright digital display and battery status indicator:

#### Power Indicator:

Displays whether power is being applied to the drive system. Red for off, and green for on)



#### Digital Speed Setting:

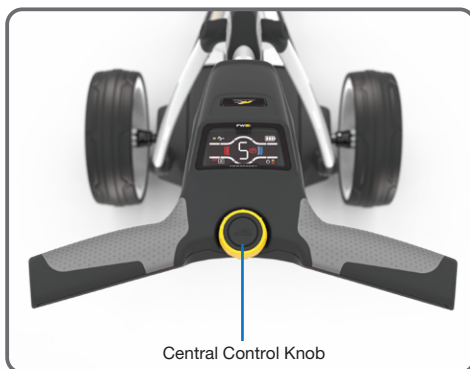
Rotate the central control dial to adjust the speed of the trolley from 0 - 9 when the motor is powered on. Press to pause and resume at your selected speed.

#### Battery Gauge:

Displays your battery status.



### FW5i



#### Power Indicator:

Displays whether power is being applied to the drive system. (green/red)

#### Digital Speed Setting:

Rotate the central control dial to adjust the speed of the trolley from 0 - 9 when the motor is powered on. Press to pause and resume your selected speed.

#### Enhanced Battery Gauge:

Displays your battery status.

#### USB Charging Port:

Located on the underside of the handle. Open the hatch to charge GPS & 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.

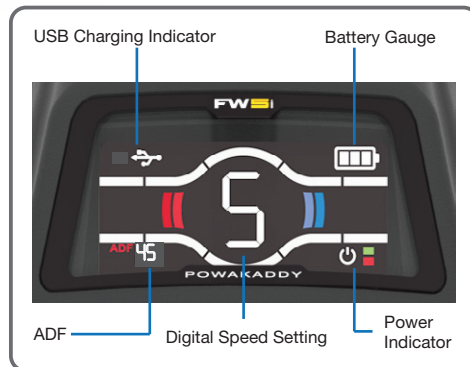
#### Automatic Distance Function (ADF):

The ADF function is a convenient way of sending your trolley a set distance. For example when you are approaching a green you can send the trolley towards the next tee if the route allows. Please note it is not recommended to send your trolley unattended over steep or rough terrain. To activate press and hold the Central Control Knob (on/off) until 'ADF' appears on screen. Rotate the control knob to select from **15, 30 or 45 Yards**.

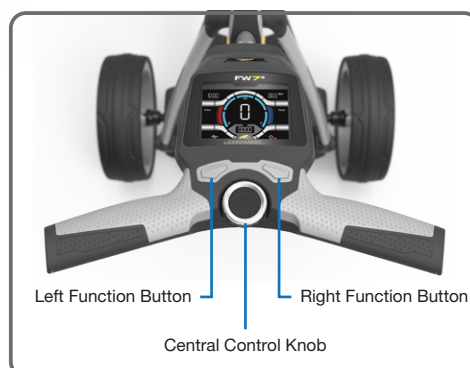
To stop the function press the Central Control Knob (on/off).

**⚠ WARNING!** Before using the ADF function please ensure the route is clear from any obstacles. To interrupt the distance function when in operation press the on/off button to stop the motor function.

\*\*Please note ADF distance are approximate based on flat level terrain conditions using a fully charged battery. The overall distance may be affected by terrain conditions, obstacles or incline, battery power and weight of golf bag.



### FW7s



The FW7s with latest technology and cutting edge styling is the most powerful golf trolley in the Freeway range with a 230w motor and bright colour multi-function LCD display.

**Startup:** Once your battery is connected your trolley will be ready to use. The FW7s and FW7s EBS includes a colour multifunctional display. The LCD will illuminate showing the 'Default Display' in pause mode and then the battery indicator will increase to show your battery status.

In normal operation mode the controls are as follows:

**Digital Speed Setting:** Rotate the central control dial to adjust the speed of the trolley from 0 - 9 when the motor is powered on. Press to pause and resume your selected speed.



Default Display



Drive, Approach and Total Distance

Distance Units yards / metres

**Left Function Button** - Press to scroll between distance measuring.

#### Drive:

Reset before leaving the tee to measure your drive\*. To reset press and hold the left function button (note this will also reset your approach).

\*Please Note: The drive distance displayed is distance travelled by the trolley under power and may not represent total yards/metres of shot where playing across water or other terrain obstacles that do not allow travel in a straight line from tee to ball. The total distance will also be affected by freewheeling downhill and if the rear wheels slip excessively on wet or loose ground.

- **Approach:** Use to measure your “approach” distance. Reset your “approach” measurement (select “approach” press and hold the left function button to reset) as you go past the nearest Fairway Distance Marker. Walk to your ball and subtract the distance measured from the marker distance. This will be the required distance to the green.

- **Total:** This will show the total distance covered by the trolley. This cannot be reset.

**Right Function Button** - Press to scroll between Time, Trip time and Calories.

- **Time:** The time is shown in the top left corner of the display. This displays the current time. To adjust the time see factory settings below.

- **Trip Time:** This displays the “on” time of the trolley. This will reset when the battery is disconnected.

- **Total Trip:** This displays the total trip distance travelled during the round. This will reset when the battery is disconnected.

- **Calories:** This new feature displays the approx. calories burned during your round of golf. This total will be reset when the battery is removed.

**USB Charging Port:** Located on the underside of the handle. Open the hatch to charge GPS & 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.

Time Digital Speed Setting Trolley Speed



Distance Measurement

Power Indicator

#### Automatic Distance Function (ADF):

The ADF function is a convenient way of sending your trolley a set distance. For example when you are approaching a green you can send the trolley towards the next tee if the route allows. Please note it is not recommended to send your trolley unattended over steep or rough terrain. To activate:

- 1: Press and hold the central control knob until ‘ADF’ appears on the display
- 2: Rotate the control knob to select the distance required between 5-50 Yrds/Metres.
- 3: To start the function press the control knob.
- 4: To cancel rotate the Central Control Knob to “00” and select by pressing the control knob.



**WARNING!** Before using the ADF function please ensure the route is clear from any obstacles. To interrupt the distance function when in operation press the on/off button to stop the motor function.

\*\*Please note ADF distance are approximate based on flat level terrain conditions using a fully charged battery. The overall distance may be affected by terrain conditions, obstacles or incline, battery power and weight of golf bag.

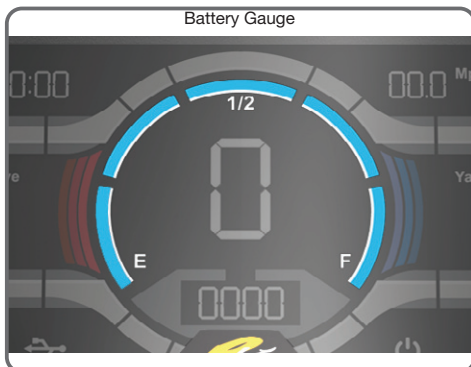
Calories Burned



USB Charging Indicator

Automatic Distance Function

Battery Gauge

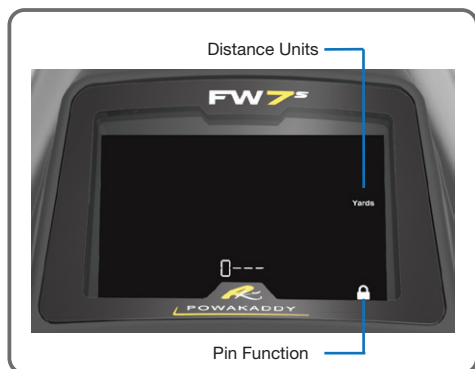
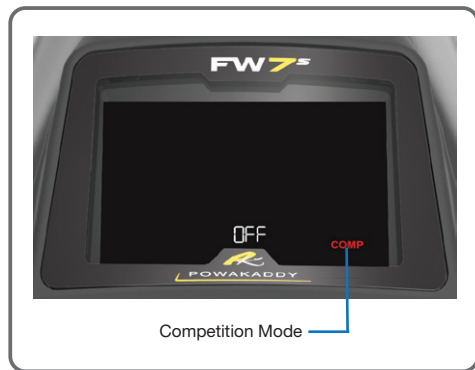


#### Understanding the Battery Gauge:

The battery gauge on the FW7s is similar to a car fuel gauge - F (full), 1/2 (half full) & E (empty). There are five blue bars and depending on the charge state of your battery will determine how many bars illuminate. When a fully charged battery is connected to the trolley all five blue bars will illuminate.

As you progress through your round the blue bars will extinguish from full to empty. When the fifth blue bar is extinguished it indicates that the battery is flat. When your battery is new you may lose only one or two bars during the entire round. As your battery ages, you may lose more bars.

If you lose all the blue 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.



## Factory Settings

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

- 1: Connect the battery to the trolley.
- 2: With the trolley powered and the default display shown press and hold both function buttons for 3 seconds to enter programming mode. The main features on the display will be replaced by the clock flashing in the top left corner of the display.
- 3: Press the right function button to scroll through the options.
- 4: Select or modify the option by pressing the central control knob, then use the dial to adjust the setting or input values.
- 5: Press and hold both function buttons to save and exit after changing any settings. The display will then return to the default display.

Each of the Factory Settings are detailed below:

**Time:** With the clock flashing rotate the control knob to the required digit and press to save each digit.

**COMP Mode:** With 'COMP' highlighted on the display press the control knob to turn the 'competition' mode on and off. This will disable ADF, distance functions and calories measurement.

**Security Pin:** With the padlock icon highlighted you can turn the PIN function on and off by pressing the central control knob. To select your security PIN rotate the control knob to select your 4 digit code, save each digit by pressing the control knob. Repeat for each digit and then press and hold both buttons to save the new PIN.

Note: if you have added a PIN lock 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.

**Distance Measurement Preference:** This will change the type of measurement and ADF functions from yards (miles) to metres (Km). Push the Central Control Knob to select either option.



The FW7S EBS is the most advanced model in the Freeway range with an electronic braking system this model is the ultimate machine for all conditions.



The FW7S EBS has the added advantage of an Electronic Braking System (EBS) for hill descent control.

The brake function is activated by rolling the central control knob counter-clockwise until you go below zero. The EBS logo will appear next to the power setting to indicate the braking function, which will display between 1, 2 and 3 indicating the level of braking force being applied, 3 being the highest.

**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 apply more even pressure on the handle to increase traction of both wheels. Engage the braking progressively as you descend a slope. Caution: Wet or loose ground can cause the wheels to lock and slip on steep slopes. When using the maximum braking force, always maintain a firm grip on the handle to assist the trolley and avoid injury or damage.

## Maintenance

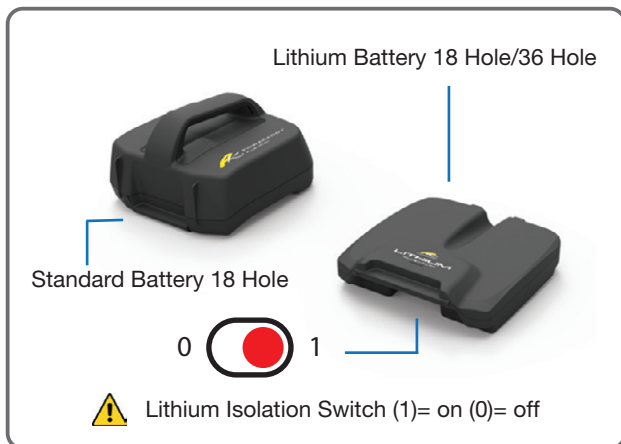
- Your Powakaddy trolley is simple to maintain.
- Never jet wash your trolley or immerse into water. Occasionally remove the wheels and apply grease to the axle and moving parts.
- Your serial number can be found on the underside of the central tube under the upper bag stay. Keep a note of the serial number for reference in the box provided above.

S/N:

A

## 6 Battery Care

PLUG'n'PLAY™



Your FW trolley features an innovative Plug'n'Play™ battery system. To maximise your battery life please take time to read the following battery care and charging instructions.

Batteries available are as follows:

Standard 18Hole | Lithium 18Hole | Lithium Extended 36Hole\*

\*In normal conditions the Extended batteries will do 36 holes when used on a PowaKaddy trolley. Conditions such as long or exceptionally hilly courses, wet ground conditions and excessively heavy golf bags may reduce the range of the battery. Most lead acid batteries reach the end of their life in the second or third season and often without any apparent reason. Very hot or cold weather does not help. Even batteries that are treated identically have different life spans.

### Important Safety Information about Batteries & Chargers

- Never submerge the Lithium battery in water. To clean use a lightly dampened cloth. IMPORTANT - if submerged under water or if water may have entered due to damage to casing, DO NOT USE the battery. Place outdoors in a non-combustible container covered in sand well away from other flammable material, and contact PowaKaddy or your Local Authority for further advice.
- Avoid charging your Lithium battery in temperatures below 0 °C or expose 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 use the charger or battery if the leads, contacts or casings are damaged.
- 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. A mismatch of battery and charger could cause damage.
- 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 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 two lights, when connecting a discharged battery the red light will illuminate, the green light will illuminate during the charging cycle, this does not mean the charge has finished, the battery must remain on charge for a minimum of 12 Hours. Never leave the charger connected to the battery with the mains supply switched off.
- Always recharge your battery (12 Hours Minimum) within 24 hours of use, no matter how many holes played. 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.
- Leave the battery on charge even when not in regular use to maintain optimum life and performance. It is perfectly safe to leave the battery plugged in on charge. Once the green light illuminates the charger will use virtually no electricity but guarantee you a fully charged battery for your next round.
- If the battery is to be not used for a period of 3 months or more then it is ok to remove from charge. Always fully recharge the battery (minimum 24 hours). Our advice is to store in a cool dry place. Thereafter recharge the battery once a month.
- New Lead-Acid batteries can sometimes take 2-3 rounds of golf before they become fully 'activated'. We have found that on rare occasions there is not enough capacity to complete a full round of golf. Our advice is to play only 9 holes on their first outing.
- Never leave your lead acid battery connected to the trolley for prolonged periods when not in use, this will discharge the battery and the charger will not be capable of re-charging.
- Ensure your Lithium battery isolation switch is in the OFF (0) position when the battery is connected but not in use. for example 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.

Should you experience a problem with your PowaKaddy product please go to [www.powakaddy.com/support](http://www.powakaddy.com/support)



Freeway



More game-changing technology  
at [powakaddy.com](http://powakaddy.com)