

Preface

Congratulations on the purchase of an exceptional bike from **Pacific Cycles**! These instructions will take you through getting the most out of your new **IF Reach dc**. Read them carefully before using your new bike.

Introduction

IF Reach dc operates like a normal bike when in power-off mode.

With the design of Intelligent Preferred Pedal Activated Power (IPPAP), the motor of **IF Reach dc** provides power proportionate to what it senses from pedaling. The motor automatically delivers optimized power output when dealing with various road conditions to save battery and optimize mileage.

IF Reach dc provides three different output modes:
Economy: less power output and least energy consumption.
Normal: output based on pedaling force.
Turbo: maximum output ideal for uphill riding.

IF Reach dc also features:

- Simple switch: the compact switch box fixed on the handlebar can be easily accessed.
- Auto power-off mode: after 3 minutes of inactivity.
- Auto warning: the orange and green indicator will blink when abnormal detected.
- Auto protection: The system will power-off when 25km/h is reached.

Specification

MODEL		IF Reach
Battery pack		Lithium 24V 9Ah
Charge	Charge time	6 hrs.
	Charge voltage	110 V – 240V
	Battery life	500 charges
Motor		250W DC brushless motor with 25km/h speed limit
Average travel range per full charge		50 km

Bike and parts description



1、 **Power/Mode Switch:**
The power and mode switch is on left-hand side of the handle bar for easy operation. When the power is ON, there are three different mode of power for selection.



2、 **Battery Lock:** To fix and secure the battery pack. Do not leave the key on the keyhole while riding.



3、 **Battery Pack:**
Removable battery pack allows user to recharge at different locations or replace secondary back-up battery.



4、 **Motor System:** The motor, controller and pedal sensor is all sealed in the same unit.



5、 **Speed Sensor:**
The speed sensor measures the rpm of the rear wheel. The controller cuts off the power when the speed reaches 25 km/hr.



Switch operation

Press the yellow button to turn on and off the power. When power is on the motor is in standby mode, you will see the orange indicator light on. Press the yellow button again to turn off the power. When battery status is low the red indicator starts blinking. The mode indicator operates in 3 ways: **Economy mode** is the default setting every time when you turn on the power (green indicator **off**); **Standard mode** (green indicator **on**); and **Turbo mode** (green indicator **blinking**).



Assembly procedures

Unfolding:



1. Opening the box – (1) an 100% assembled IF Reach, (2) seat / seat post assembly, (3) battery / charger



2. Begin by raising the handle bars to close the stem hinge.



3. Secure the stem hinge by rotating the locking lever toward the stem.



4. To unfold the IF Reach; insert the seat post into seat tube and clamp; place your left hand on the handle bar left grip with right hand holding the saddle.



5. Move your right hand away from you and then back in a clockwise motion and your left hand slightly pushing the frame forward.



6. Use your right palm to push the top tube by the seat tube to put the frame into position. **WARNING: Never place your hands and fingers inside the folding part / mechanism.**



7. Secure the frame together by rotating the frame locking lever forward and down into the front connector.



8. Securely lock the locking lever in place by securing the quick release clamp into the closed position.



9. Adjust seat tube and clamp. **Note: Do not raise the seat post higher than the minimum insertion mark.**



10. Lock the battery in position.

Folding:



1. Press pedals outer body inward toward frame and rotate body upward to fold compact.



2. While standing on the left side of the bike; open the quick release lever.



3. With an open hand press the locking lever toward the rear of the frame and upward.



4. Rotate the locking lever toward the rear of the bike to release the tension in the locking system.



5. Begin with your left hand on the left handle bar grip and your right hand on the saddle. The frame will hinge open by pulling your left hand toward you and either pushing away with your right hand or holding the rear in place.



6. Rock the frame forward with your right hand and pull the front backward and together in one motion so the wheels meet and the magnet catches.



7. Make sure the magnet on both wheels tightly fit.



8. To make the bike more compact open the seat post quick release and push the seat post into the frame.



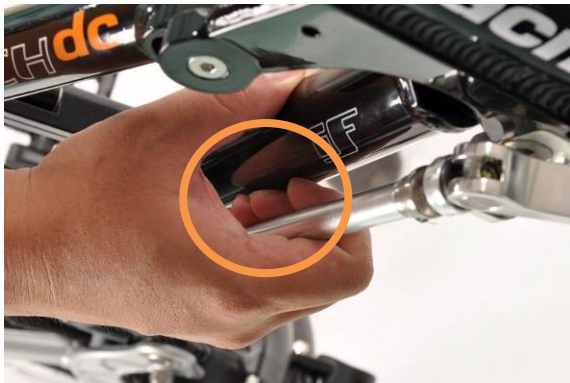
9. Fold the handle bar to the side by opening the stem locking lever. Rotate the lever rearward to release.



10. Return the stem locking lever back forward against the stem when the handle bars are folded.

CAUTION!

Never place your hands and fingers inside the following folding part / mechanism.



Battery pack

IF Reach dc is equipped with 24 volt, 9Ah Lithium battery pack. Full charge will take 6 hours and an average range can reach 50 km. Cycle time is up to 500 charges and weight only 1.7kg per battery pack. Stand alone design allows user to recharge freely at any place with separate charger.

Battery pack removal:



Turn key to 'lock-off' position. Hold battery pack case and pull left directly.



Electricity level display button. Recharge immediately when one red light is blinking.

Recharge the battery at least once a month if you are not a frequent user. It will maintain battery in its best performance. Do not clean the battery with water directly. Put it in shade and dry place without direct sunlight. Keep battery pack out of reach of children. When the battery is worn out, please recycle, do not dispose in fire.

Maintenance

- 01. Q: The orange indicator doesn't light after pressing power button.**
A: Please check the battery is in correct position and the connector points are clean. If the circuit malfunctions the red light will keep blinking.
- 02. Q: Motor not responding while pedaling.**
A: The speed may exceed the limit. This also occurs when riding downhill. Or the battery needs recharged.
- 03. Q: Battery renewal.**
A: The battery normally lasts one to one and half year under normal use. The warranty is 1 year.
- 04. Q: Maintenance location.**
A: Contact your local dealer for warranty terms.
- 05. Q: Can't find the throttle on IF Reach dc.**
A: With the design of Intelligent Preferred Pedal Activated Power (IPPAP), the motor of IF Reach dc is controlled to supply power in proportion to that it senses from pedaling. Therefore no throttle is required.
- 06. Q: Should I always turn the power on?**
A: When power is turned on, the motor is in standby mode and ready to work when pedaling. When it's off the IF Reach dc is just normal bike.
- 07. Q: Noise or smell while riding.**
A: Please turn off power immediately and safely remove the battery. Contact your local dealer.
- 08. Q: The battery is charged for hours but the indicator doesn't show fully charged.**
A: The charge cycle of your battery may exceed. Please replace a new one. If it's still under warranty please send the battery back to your dealer.
- 09. Q: Battery and charger are hot when charging.**
A: It's normal. The temperature is around 40 to 50 Celsius while charging. Both battery and charger have sensors, which automatically stop charging when temperature is over the range.
- 10. Q: I can feel the heat from the motor while riding.**
A: It's normal. The heat is radiating to keep the operation normal. The motor is equipped with a temperature sensor to keep from overheating.
- 11. Q: The battery is fully charged but the working hour is short.**
A: The battery capacity reduces when not using for a long time. Set to Turbo mode and riding uphill also rapidly depletes the battery.
- 12. Q: How to make the best of external gear system with the 3-mode motor system?**
A: When going uphill, turn to Turbo mode and shift external to low-speed gear will maximize the battery life. For long distance travel, set Economy mode and shift external to high-speed gear.
- 13. Q: How long should I charge the battery?**
A: At least once a month to prolonged storage. Move the battery from the bike if you don't ride the bike for a long time.