



STEWART GOLF
DREAM MACHINES



F1 LITHIUM

OWNER'S MANUAL & USER INSTRUCTIONS

IMPORTANT INFORMATION

EUROPEAN UNION DECLARATION OF CONFORMITY

Hereby, Stewart Golf Limited, declares that the 'Radio transmitter and receiver' is in compliance with the essential requirements and other relevant provisions of Directive 1999/05/EC. The declaration of conformity may be consulted at www.stewartgolf.com.

CE ! 0889

UNITED STATES FCC RULES

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including 22interference that may cause undesired operation.

OTHER IMPORTANT INFORMATION

This machine is designed solely for the transportation of golf equipment on a golf course (as pictured, right).

Warning and important safety instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when operating or cleaning this equipment.

Always contact Stewart Golf or your local dealer, distributor or service agent about problems or conditions that you do not understand.

DESIGN PROTECTION

The design of the Stewart Golf F1 Lithium is protected as European Community Design Registration 921374, United States (US29/326, 584), China (200830248093.5) & Canada.

The Stewart Golf Logo is protected as European Community Trade Mark Registration 003737137, US Trade Mark 78/428,189 and Australian Trade Mark Registration 1069616.

WARNING SYMBOL

This **WARNING** symbol will be used from time to time in this manual. It indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.



WARNING

WELCOME

Congratulations on becoming the proud owner of a Stewart Golf F1 Lithium.

Wasting your energy on pushing, pulling and carrying your clubs stops here. Now you can just walk and focus on your next shot.

The F1 Lithium has been described as 'the best electric trolley ever designed' by Today's Golfer, which is the UK's biggest selling golf magazine. There are a number of innovative features that you will not have experienced before, so please read this manual fully before using the machine.

WELCOME TO THE CLUB

BEFORE YOU GET TOO EXCITED

Your new F1 Lithium has many features that you should familiarise yourself with. Please try to avoid the temptation of going straight out on to the course with your F1 Lithium. This manual contains both important safety information and tips on how to get the best from the machine.

The first thing that you need to do is remove the battery and charger from the packaging and put the battery on charge (see page 6 for instructions). The battery is supplied partially charged, however it is recommended that you allow the battery to complete one full charging cycle before use.

The first time you use your F1 Lithium, practice on an area of open grass and with a full set of clubs. The speeds and steering characteristics of the F1 Lithium can vary under different circumstances for a number of reasons. Factors such as the amount of equipment you carry in the golf bag, terrain type and softness and battery condition can all vary the performance of the F1 Lithium.

Last but not least, please spend a couple of moments completing the boxes below. Should you ever need to contact us we may ask for this information. The serial number on your F1 Lithium is located on the front part of the chassis (near the small front wheels).

OWNER'S NAME:

SERIAL NUMBER:

DATE OF DELIVERY:

PLACE OF PURCHASE:

THE F1 LITHIUM GOLF BAG

The F1 Lithium is like no other golf trolley you will have ever owned before. Our engineers have cleverly integrated a rigid structure in to the golf bag which removes the need for the golf trolley to support it. Please use these pages to familiarise yourself with the features of the machine.



- 1. Handle Pocket Zips** Lower these two zips completely to reveal the handle.
- 2. Handle Hinges** The handle is hinged from the back of the bag, secured by 8 screws.
- 3. Handle Clip** Holds the handle in place when in use, lift to disengage.
- 4. Handle** The handle houses a scorecard holder and several ports for accessories.
- 5. Aluminium Struts** Two aluminium struts run the length of the bag, making it rigid.
- 6. Tie Bar** Connects the handle to the securing fins.
- 7. Securing Fins** When engaged, these fins secure the bag to the chassis.

The F1 golf bag has been specifically designed to work with the F1 chassis. The two aluminium struts make the bag rigid, meaning that when on the chassis, it naturally rests at the perfect angle without the need for an external support structure.

When you lift the handle, the tie bar automatically rotates the two securing fins out from the base of the bag. These engage into two corresponding slots in the chassis, locking the bag into position.

Please be aware that the remote handset will not fit inside the golf bag whilst connected to the cradle. Therefore before stowing the handle, the remote handset must be removed.

THE F1 LITHIUM CHASSIS

The chassis of your F1 Lithium has been designed to be compact for storage and transportation, yet large enough to remain stable on the golf course. The chassis has a number of innovative and unique features which are outlined below.



- 1. Stabiliser Feet.** The stabiliser has three soft feet which it stands on when folded.
- 2. Stabiliser.** Folds out to prevent the F1 Lithium from toppling over on hills.
- 3. LCD Screen.** Displays essential information, usually the remaining battery capacity.
- 4. Location Ball.** Helps to align the F1 golf gag with the chassis during assembly.
- 5. Front Wheels.** There are two alloy front wheels to aid stability.
- 6. Rear Wheels.** The quick release alloy rear wheels also have a freewheel function.
- 7. Fin Locations.** The fins on the golf bag locate in these recesses.
- 8. Chassis Cover.** Conceals the electronics system and motors. Held in place by 8 screws.
- 9. On/Off Switch.** When the battery is in place, this switch turns the F1 Lithium on and off.
- 10. Aerial.** The flexible aerial receives all signals from the remote control handset. The aerial is screwed in place, and you should not remove it as this may increase the chance of moisture entering the enclosure.

SETTING UP & PUTTING AWAY

SETTING UP

Your F1 Lithium has been designed to be very quick and simple to set up. Follow these instructions and it is possible to set up your F1 Lithium in just 30 seconds.

1. Start with the F1 Lithium chassis in the folded position, and standing vertically on the floor.
2. Insert the battery in to the F1 Lithium chassis (as shown on page 10). When properly engaged, the battery should 'click' in to place.
3. With your F1 Lithium chassis, still folded and standing vertically, grab the front chassis (the part with the small front wheels) and slowly pull it towards you as shown (right). **Holding any other part of the chassis while unfolding may cause you to trap your fingers or hand, so please take extra care when setting up the machine.**
4. The F1 Lithium chassis will now fold out in its three parts so that it is sat on all 4 wheels. If the stabiliser does not unfold automatically then pull it in to place by hand. **Again take care not to trap your fingers or hand.**
5. Lift the F1 golf bag by the carry handle at the front of the bag (do not lift by any other part of the bag), and rest it on the location ball on the front chassis. The location ball will help align the golf bag correctly on the chassis.
6. Allow the bag to sit backwards until it comes to rest. You can now let go of the carry handle.
7. With the bag correctly aligned, completely undo the two long zips at the back of the golf bag to reveal the handle.
8. Fold the handle from the bag until the clip locks into place. If the clip doesn't fully drop into position, simply press it down until it is fully engaged.
9. Do up the long zips on the handle pocket.
10. Ensure that the trolley is switched on and that both rear wheels are in the drive position (see page 11), and your F1 Lithium is ready for your round.



PUTTING AWAY

At the end of your round the F1 Lithium is just as quick and simple to pack away. Follow these step by step instructions and you should be able to complete the process in under a minute.

1. Remove the handset from the cradle (if fitted), then lower both handle pocket zips.
2. Whilst holding the handle (to make sure it does not 'drop'), lift the handle clip to release.
3. Slowly fold the handle into the F1 Lithium golf bag. Once lowered, do up both the handle pocket zips.
4. Lift the golf bag away from the trolley, remembering to **only** lift the bag by the handle at the front of the bag. Do not use any zip tags to lift the golf bag.
5. To fold the chassis, lift the by the central 'lifting handle' as pictured (right bottom). As you lift the chassis, both the stabiliser and front wheels will fold into each other. Once folded, the chassis can stand vertically.
7. Ensure that the trolley is switched off and disconnect the battery. To remove the battery, hold down the clip on the battery case and pull it vertically out of the chassis.
8. Lift the F1 Lithium chassis into your car. Only lift the F1 chassis by the central lifting handle.

SOME IMPORTANT TIPS:

- Never lift the F1 Lithium from the chassis cover as this may cause unintended damage.
- Use the supplied travel bag to make sure that the F1 Lithium chassis is protected during transit. This is not designed as a flight case.

IMPORTANT INFORMATION

You should **never** use any form of hosepipe or pressure washer to clean your F1. By using water to clean the trolley, you increase the risk of water ingress to the motors or electronics.

When cleaning your F1, you need only use a soft or damp cloth to remove dust or dirt. If your golf club has a low-pressure air line, you can use this to remove dust and leaves etc.



WARNING

YOUR F1 LITHIUM HANDSET

The handset buttons are as follows:

1. Forward/Speed Up.
2. Indicator Light. This will flash every few seconds during operation.
3. Left Button (the right button is opposite).
4. Emergency Stop
5. Reverse/Slow Down.
6. Glide Stop.
7. Cruise Control Speeds (1, 2, 3 & 4).

OPERATION

To start your F1 Lithium moving forwards, press either the forward button or any of the cruise control buttons. Once in motion, you can vary the speed by continually pressing either the forward or reverse buttons. Reverse the F1 Lithium by pressing reverse from stationary.

The most important button on the handset is the emergency stop. Press and release to bring the F1 Lithium to an immediate stop. It is not recommended that you use the emergency stop in normal use as it may cause the F1 Lithium to skid. Pressing the glide stop button will cut power to the motors and bring the F1 Lithium to a gradual stop. Use this function for normal stopping & to conserve energy.

To steer the F1 Lithium, press and release either the left or right buttons. When moving forwards this will change the direction slightly and then continue. A prolonged press will tighten the turn. At high speeds, the steering is less sensitive, therefore, if you wish to make large turns, it is recommended that you reduce the speed of the trolley, and then make the turn.

CRUISE CONTROL & TRIM

The **cruise control** speeds are factory set for your convenience. For notes on how to use these, and on setting your own speeds, please see page 11. If your X5 does not travel in a straight line when moving forwards, please refer to page 11 for instructions on how to adjust the motor bias, or **trim**.

IMPORTANT INFORMATION

Ensure that you **practice in an open area** away from other people or objects. This will allow you to familiarise yourself with the remote control without risk of damage or injury. When using your F1 Lithium, it is vital that you remain in **full control** at all times. Never allow the F1 Lithium run out of your sight, never aim the F1 Lithium at other people or objects.

Be aware of your surroundings. Ensure that you know the whereabouts of other players, trees, streams, bunkers or other objects.



WARNING

HINTS & TIPS

When in the car park, crossing a road or negotiating a tight path, the handset should be clipped to the handle by using the handset controller clip. You can then steer the F1 Lithium manually, whilst controlling the speed with your thumb (you may want to set one of the Cruise Control speeds to a slow walking speed).

The F1 Lithium handset is splash and rain resistant, but **never** allow it to be submerged in water (i.e. dropped in a puddle).

The F1 Lithium is designed to have an operating range of up to **50 metres**. This may be affected by factors such as atmospheric conditions, and the condition of the handset battery. **It is not recommended that you attempt to operate the F1 Lithium outside this range.**

If you find that the F1 Lithium is at the edge of its range and not responding to signals, you can increase the range by holding your handset higher and vertically (this is more effective than 'pointing' it at the trolley). Press the emergency stop, to halt your F1 Lithium, walk back in to range and resume normal use.

HANDSET STORAGE & MAINTAINENCE

However you choose to store your handset, you should ensure that no loose change or any other objects can come in contact with the button pad. This is because a button could be pressed, resulting either in the F1 being set in motion, or rapid drain of the handset battery.

During play the ideal place to leave the handset is either on the supplied cradle, or to your belt or pocket using the provided belt clip. You should avoid putting it in your pocket during play.

If the battery in the handset is running down, the LCD screen will show a warning message indicating the need to change your handset battery (shown right). The handset uses a standard 9 Volt PP3 battery.

To change the battery:

1. Remove the two screws in the back of the handset.
2. Remove the rear half of the handset, and then the old battery.
3. Press all buttons on the handset with the battery disconnected.
4. Connect the new battery.
5. Apply a bead of sealant around the lip of the rear half.
6. Carefully place the two halves together ensuring that the battery lead is not obstructing location.
7. Replace the screws, being careful not to over tighten them.
8. Test the handset to ensure it controls your F1.



THE F1 LITHIUM ELECTRONICS SYSTEM

The microprocessor controlled 36V electronics system of the F1 Lithium is hidden under the colour coded cover. This quick guide will help you understand how it works, and also how it can help you should you ever suffer a fault with your machine.



Insert the battery into the chassis until it 'clicks' in to place. Connection is automatic; you don't have to connect any wires at all. The system will automatically run through a start up routine, during which time the LCD screen will display a 'WELCOME' message, then the Union Flag. The start up routine will occur if even if the switch is switched off.

For the majority of the time, the LCD screen will display an image of a battery which represents the power left in the main Lithium Ion battery pack. However, when necessary the screen will also show other essential information to you, such as:

1. The need to change your handset battery.
2. Signal received from the handset.
3. Machine overheated. Please leave to cool down.
4. Machine overloaded. Check for any obstructions and operate at a lower speed.
5. Service Required. Please contact your local Stewart Golf representative.
6. When the main battery is flat.

IMPORTANT INFORMATION

The electronics enclosure contains no user serviceable parts. The enclosure is sealed to reduce risk of water ingress. Breaking this seal increases the risk of moisture entering the case, and can reduce the reliability of your F1 Lithium. Never remove the aerial from the box as this forms part of the seal. **No attempt should be made to open the enclosure; doing so will invalidate the warranty.**

F1 LITHIUM BATTERY AND CHARGER

Your F1 Lithium is supplied with a specially designed Lithium-Ion battery pack.

Please read and use the following instructions to obtain optimum usage from the battery. Failure to follow these may cause heat, fire, rupture and damage or capacity deterioration of the battery.

- Protect the battery and charger against moisture and water.
- Store the battery in ambient temperature between 5°C and 25°C, and relative humidity between 45% and 85%.
- Never drop the battery as this can cause internal damage.
- When the battery pack is not in use, keep it away from other metal objects such as coins or other objects that could possibly make a connection from one terminal to another.
- Recharge the battery only with the provided Stewart Golf charger.
- Do not charge a frozen battery.
- When not in use, do not leave the battery connected to the trolley.
- For long-term storage (over 6 months), charge the battery at least once every three months.

CHARGING THE BATTERY

- It is important that you allow the battery to charge for one full charging cycle before use.
- To start the charge cycle, connect the battery to the charger, and then the charger to the mains, and then turn on the mains power.
- A complete charge cycle should take a maximum of 6 hours.
- The battery is fully charged when the LED indicator is green. When the indicator is green, disconnect the battery from the charger.
- It is not necessary to leave the battery connected to the charger once the indicator is green. Please see the reverse of the charger for more information.

Unlike traditional batteries, you do not need to charge the F1 Lithium battery immediately after your round. Best practice is to charge the battery the night before you play, ensuring a full battery.

The battery has a built in 'sleep mode' to protect it from complete discharge. If your battery does not activate the LCD screen, wake it up by simply plug it in to the charger for 10 seconds.

IMPORTANT INFORMATION

The Lithium Ion battery pack contains no user serviceable parts and should not be opened under any circumstances. Doing so will invalidate your warranty. Please recycle the battery. Lithium Ion batteries must be fully discharged before disposal.



WARNING

OTHER F1 LITHIUM FEATURES

QUICK RELEASE REAR WHEELS

To remove the wheel, press and hold the quick release button while pulling the wheel towards you.

FREEWHEEL

To remove a wheel, tilt the X5 Remote so that one rear wheel is off the floor. Hold the centre of the wheel with your thumb on the black button. Press the button down and simultaneously pull the wheel towards you and away from the X5 Remote.

CRUISE CONTROL SPEEDS

Your F1 Lithium has 4 **Cruise Control** speeds; buttons 1, 2, 3 & 4.

Speed 1 should be used on paths, in car parks or other areas where you should be careful steer from the handle. Speeds 2 and 3 are set for normal use, and 4 should be used sparingly.

The F1 Lithium steering is optimised for use on speeds 2 and 3, so it is advised that speed 4 is only used when the machine is travelling in a straight line.

You can also set these buttons with your own speeds as follows:

1. Press and hold the emergency stop button, and then the numbered cruise control button that you would like to program together, until the F1 Lithium starts moving forwards.
2. Adjust the speed using the speed up and slow down buttons.
3. Press the emergency stop to store that speed.

TRIM ADJUSTMENT

Your F1 Lithium has been factory set to travel in a straight line, however if the motors wear unevenly it may develop a bias. If this happens, you can adjust the trim by following these steps:

1. Ensure that your F1 Lithium is on a flat surface.
2. Hold down both the **emergency stop** and **glide stop** buttons for three seconds until the F1 Lithium sets off forwards.
3. Use the left and right buttons to fine tune the direction of the F1 Lithium until it is travelling in a straight line.
4. Press the emergency stop button to store the new setting. The F1 Lithium will now operate as normal.

THREADED INSERTS

At various locations on the F1 Lithium chassis and handle you will find a number of threaded brass inserts. These provide provision for various accessories, such as an umbrella holder.

The accessories list will develop over time, so not all options will be available right now. For an up to date list of accessories, please visit stewartgolf.com or contact your local distributor.



FREQUENTLY ASKED QUESTIONS

HOW DO I USE A REMOTE CONTROLLED TROLLEY?

If you have not used a remote trolley before, try following these tips:

1. With the handset in your hand, position the F1 Lithium approx. 10m-15m in front of you and on the line of your ball. This will allow you to walk with your head up and consider your next shot.
2. When you get to your ball, park the F1 Lithium to the right of your ball (if you are right handed, park to the left if you are left handed).
3. If you are going to walk any distance away from your F1, take the handset with you and clip it to your belt or pocket. You can then drive the F1 to you rather than having to walk back to it.

CAN THE F1 LITHIUM BE USED WITHOUT THE REMOTE CONTROL?

No. The F1 Lithium can only be controlled from the handset, but if you prefer to steer manually it can be clipped to the handle using the controller clip provided (see page 8).

HOW DOES IT COPE WITH HILLS & ROUGH TERRAIN?

The F1 Lithium has been designed with a central centre of gravity, and the chassis has an integrated rear stabiliser should the F1 Lithium ever tip up on a hill.

The F1 Lithium is designed to cope with the rough as well as the fairway; however it is not a 4x4! As a general rule, don't ask the F1 Lithium to go anywhere you wouldn't play your ball from.

Your F1 Lithium has sensors that may cause it to cut out on some steep slopes or heavy rough, this is a safety feature. If this happens then wait a few seconds for the screen to reset and then start the F1 Lithium again on a slower speed. If necessary use the handle to steer the trolley manually until you are on more regular ground.

HOW MUCH WEIGHT CAN IT TAKE?

Your F1 Lithium has been designed to work with the purpose built F1 golf bag with a full set of clubs. Overloading the golf bag will increase wear on the motors, decrease battery life and affect steering characteristics.

HOW MANY HOLES WILL THE BATTERY LAST FOR?

The battery supplied is guaranteed to complete even the toughest 18 holes and should last for much longer.

If you keep your bag light and do not 'zigzag' around the golf course you will find that you can increase efficiency, as the steering action is the largest consumer of battery power.

Accelerating slowly (i.e. not straight to top speed) will also use much less power, much like driving a car.



AFTER SALES SERVICE & WARRANTY

Your Stewart Golf F1 Lithium is guaranteed to be free from defects in materials or workmanship for a standard period of two (2) years from delivery (except the battery which is covered for one (1) year). If you have any problems at all, we will do all we can to get you back on to the course as soon as possible.

Your F1 Lithium has many innovative features, so it is important that you familiarise yourself fully with the contents of this manual. If you think that there may be a problem with your F1 Lithium, the first thing to check is the trouble shooting guide. If you still believe there is a problem, please contact us or your regional distributor using the details on the back cover of this manual.

If you are in the UK and have a problem that cannot easily be solved over the telephone, we will arrange to have your F1 Lithium collected from an address of your choosing. Once it has arrived, we will fully test and repair it before cleaning and returning it to you as soon as we can. Although we do not expect your Stewart Golf F1 Lithium to develop any faults, we pride ourselves on our excellent customer service.

CONDITIONS OF WARRANTY

If notice is received of any breach of this warranty during the relevant period, then we shall at our own expense and within reasonable time, repair or, at our option, replace the goods or such parts as are defective or otherwise remedy such defect. If your address is within the United Kingdom and you agree to use a carrier nominated by us, we shall bear the associated carriage costs.

If you are outside the United Kingdom, please contact either your place of purchase or your national distributor (details can be found at www.stewartgolf.com). If your address is outside the United Kingdom and you do not have a local distributor, we may still be able to arrange collection of the product, but you shall bear the associated costs.

Stewart Golf will authorise the repair, or at our option, replacement of any part found to be defective due to faulty workmanship or materials. We reserve the right to inspect these parts. We will not bear any costs incurred (including carriage) due to an item being returned with a suspected fault, and after inspection, it is found that no fault can be found or the customer has not understood the full functions of the F1 Lithium product or the part in question.

Exclusions to the warranty include, but are not limited to: damage during shipment if not packed in a Stewart Golf designated box, ordinary wear and tear, results of neglect, misuse or accidents, damage howsoever caused, or utilisation for any other purpose other than carrying golf bags on golf courses. F1 Lithium units, which have been fitted with non-genuine Stewart Golf parts, or have been modified from the manufacturer's specifications, are excluded. Stewart Golf products used for commercial or rental purposes are excluded from this warranty. The warranty is not transferable to a third party.

The battery is covered by a one (1) year warranty against faulty workmanship and materials. Loss of battery performance owing to external damage, misuse and abuse, incorrect charging or other failures not attributable to a manufacturing fault are specifically excluded from this warranty. Your battery's life can be reduced if it is not used regularly or not charged correctly. The battery must be charged only using the charger supplied by Stewart Golf, and the instructions must be followed.

IMPORTANT INFORMATION

So that we can deal with your problem quickly and effectively, please make sure that you have the following information ready **before you contact us**:

1. The serial number of your F1 Lithium (which can be found on the front half of the chassis).
2. A full and accurate description of the symptoms of your problem, including which messages have appeared on the LCD screen.

TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
<p>The F1 Lithium is not responding when I press a button on the handset.</p>	<ol style="list-style-type: none"> 1. Main battery not connected. 2. The trolley is switched off. 3. Handset battery is flat. 4. The main battery is flat. 5. You may be out of range. 	<ol style="list-style-type: none"> 1. Connect the main battery to the electronics enclosure. 2. The trolley is switched on and off by pressing the silver button, located just below the LCD screen. 3. Replace the 9V battery. 4. Allow the charger to complete an entire cycle. 5. The F1 Lithium has a range of up to 50m, but the range can also be affected by numerous other factors.
<p>I can hear the motors working but the trolley is not moving.</p>	<p>Rear wheels may be in freewheel mode.</p>	<p>Use the quick release mechanism to engage the wheels in to the 'drive' position (P11).</p>
<p>I find it difficult to push my F1 Lithium.</p>	<p>Freewheel mode is not engaged.</p>	<p>Use the quick release mechanism to set the rear wheels to the 'freewheel' position (P11).</p>
<p>I have lost my handset.</p>		<p>Contact Stewart Golf to purchase a replacement.</p>
<p>The F1 Lithium moves in circles when pressing forwards buttons.</p>	<p>One wheel in freewheel, one in drive.</p>	<p>Ensure that both wheels are in the 'drive' position.</p>
<p>The F1 Lithium does not travel in a straight line.</p>	<p>Motors may have become imbalanced.</p>	<p>Follow the instructions on 'trim adjustment' on P11.</p>
<p>The range of the remote has dropped.</p> <p>Left & right commands are not working consistently.</p> <p>No LED is appearing on the handset when I press a button</p>	<p>Handset battery may be losing power or is flat.</p> <p>Aerial is not fitted correctly.</p>	<p>Replace the handset battery with a NEW battery. See page 8 for instructions.</p> <p>Screw the aerial fully in to the electronics enclosure.</p>



UK CONTACT

If you live in the United Kingdom and need to contact us for any reason, please use the details provided below.



WORLDWIDE CONTACT

If you live outside the UK and would like to get in touch with your local Stewart Golf distributor, please visit our website at **www.stewartgolf.com**. There you will be able to find up to date contact details, but if in doubt please email us on **info@stewartgolf.com**.

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