



STEWARTGOLF
DREAM MACHINES



X7 LITHIUM

OWNER'S MANUAL & USER GUIDE

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 1999/5/EC. The declaration of conformity may be consulted at www.stewartgolf.co.uk.

CE ! 0899

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.
2. This device must accept any interference received, including interference 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 distributor/dealer about problems or conditions that you do not understand.

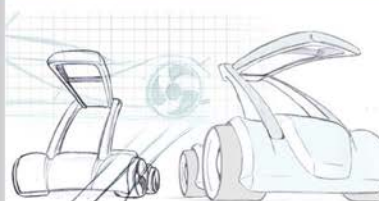
DESIGN PROTECTION

The design of the Stewart Golf X7 (formerly X1, X3 & X5) is protected as European Community Design Registration 169859 and US Patent D522,706.

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 X7 Lithium.

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

According to the most respected golf publications, the X7 Lithium is the finest remote controlled golf trolley on the market. Not only does the X7 stand out for its space age looks, it is also more agile, stable and user friendly than its peers. You have now joined an exclusive group of golfers who just walk the course.

WELCOME TO THE CLUB

BEFORE YOU GET TOO EXCITED

Your X7 Lithium has a number of features that you should familiarise yourself with. Please try to avoid the temptation of going straight out on to the course with your X7 Lithium and read this manual first. It contains both important safety information and also 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 their respective boxes and put the battery on charge. The battery is supplied only with a partial charge, so it will need to complete a full charge cycle before use. Please refer to charging instructions.

The first time you use your X7 Lithium, practice on an area of open grass and with a full cart bag (as you would use on the golf course). The speeds and steering characteristics of the X7 Lithium will change on different surfaces. Factors such as the weight of your golf bag, terrain type and battery condition can all vary the performance of the X7 Lithium.

Last but not least, please complete the information below. The serial number is located on the chassis, just next to the black electronics box. Should you ever need to contact us, it is very helpful if you can provide all of these details.

OWNER'S NAME:

SERIAL NUMBER:

DATE OF DELIVERY:

PLACE OF PURCHASE:

THE BASIC ANATOMY OF YOUR X7 LITHIUM

The X7 Lithium is made from a unique construction of bonded composites and injection mouldings, probably very different from any other trolley you may have owned in the past. Here you can familiarise yourself with its basic features and parts.



- | | |
|---------------------------------|---|
| 1. Handle | This contains the scorecard holder, golf ball holder and tee holder. |
| 2. Main Support | This also incorporates the top bag support. |
| 3. Front Cover | Under here you can find the battery and main electronics system. |
| 4. Bottom Bungee | Use the large handle to pull the bottom bungee over the base of your bag. |
| 5. Lifting Handle | Located centrally between the wheels at the front of the chassis. |
| 6. Front Cover S Clips | Remove the front cover by gently pulling these outwards from the chassis. |
| 7. Rear Wheels | The quick release mechanism is in the centre of the wheel. |
| 8. Safety Switch | Use this to disable the X7 Lithium if you ever leave it unattended. |
| 9. Top Bungee | Designed to tightly grip your golf bag and stop it rotating. |
| 10. Handle Release Clip | Lift this to release the handle. |
| 11. Handset & Cradle | Clip the handset on to either side of the handle using the supplied cradle. |
| 12. Aerial | The flexible aerial receives all signals from the remote control handset. |
| 13. Bottom Clips | Press both of these to fold the main support. |
| 14. Rear Cover | This part conceals the motors and stabiliser - do not lift from here. |
| 15. Rear Stabiliser | The X7 Lithium chassis has a built in rear stabiliser that doubles as the rear lifting point. |

X7 LITHIUM ELECTRONICS SYSTEM

Just in front of the battery tray is the heart of the X7 Lithium; the microprocessor controlled electronics system. This quick guide will help you understand how it works, and also how it can help should your machine ever suffer a fault.



When you connect the battery, the system will automatically run through a start up routine. This is indicated by all 4 lights flashing alternately for 2 seconds. When the routine is complete, all of the lights will go out except for the green 'power on' light.

If all 4 lights remain on, it means that the safety switch is in the off position (with the **O** depressed). This switch disables the remote control, and should be used when the battery is connected but the trolley is not in use for longer than a few minutes.

- GREEN** This is the '**power on**' light, and will remain on when the battery is connected.
- RED** Low battery. Engage the freewheel position, and then recharge the battery.
- YELLOW** This light will flash when receiving a signal from the handset.
- RED** Over temperature. Leave to cool.
- TWO REDS** The electronics have been overloaded and will reset when ready.

ALL LIGHTS Safety switch activated. If all lights stay on when the safety switch is turned on (with the **I** depressed), contact Stewart Golf immediately.

IMPORTANT INFORMATION

The electronics enclosure contains no user serviceable parts. The lid of the enclosure is sealed to reduce risk of moisture ingress. Breaking this seal, or puncturing the LED window, increases the risk of moisture entering the case and reduces the reliability of your X7 Lithium.

No attempt should be made to open the enclosure. Doing so will invalidate the warranty.

YOUR X7 LITHIUM HANDSET

The handset buttons are as follows:

1. Forward/Speed Up.
2. Indicator Light.
3. Left & Right Turn Button.
4. Emergency Stop.
5. Glide Stop.
6. Reverse/Slow Down.
7. Cruise Control Speeds.

OPERATION

To start your X7 moving forwards, press either the forward button or button 1 of the cruise control speeds. Once the X7 is in motion, continually pressing either the forward or back buttons will either speed up or slow down the X7 respectively. Buttons 2, 3 and 4 will increase the speed in steps. If you press the reverse button from stationary the X7 will go backwards at a fixed speed.

The most important button is the **emergency stop** (4). Press and release to bring the X7 to an immediate stop. It is not recommended that you use the emergency stop in normal use as it may cause the X7 to skid, and will increase strain on the motor & gearbox.

Pressing the **glide stop** button (5) will cut power to the motors and bring the X7 Remote to a gradual stop. This function should be used for the majority of the time.

To steer the X7, press and release either the left or right buttons. When moving forwards this will change the direction slightly and then continue straight. A prolonged press will tighten the turn. If you press either button from stationary, the X7 will turn on the spot.

The cruise control speeds are factory set for your convenience. For instructions on setting your own speeds, see page 11.

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 X7 Lithium, it is vital that you remain in full control at all times. Never allow the X7 Lithium to run out of your sight, never aim the X7 Lithium at other people or objects. Be aware of your surroundings. Ensure that you know the whereabouts of other players, cars, trees, lakes, 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 (right). You can then steer the X7 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 cradle can be attached to either side of the handle.

The X7 Lithium handset is splash and rain resistant, but never allow it to be submerged in water (i.e. dropped in a puddle).

The X7 Lithium is designed to have an operating range of up to 50 metres. This may be affected by factors such as atmospheric conditions, proximity to buildings, hills, trees, power lines and the condition of the handset battery. It is not recommended that you attempt to operate the X7 Lithium outside this range. Never store the handset in your pocket. Instead use the belt clip to clip it to your pocket or belt.

If you find that the X7 Lithium is at the edge of its range & not responding to commands, you can temporarily increase the range by holding your hand higher in the air and holding the handset vertically (this is more effective than 'pointing' it at the trolley). Press the emergency stop to halt the X7 Lithium, walk back in to range and resume normal use.

HANDSET STORAGE & MAINTAINENCE

It is advised that you leave your handset with your trolley after use. Placing it on the cradle 'upside down' will ensure that you always take it with you to the golf course.

The handset uses a high quality 9 Volt PP3 battery. To ensure uninterrupted operation, you should replace this at least every 12 months. It is important that you use a brand new premium battery, as this directly relates to the strength of the signal that it sends. A weak battery will send a weak signal. To change the battery:

1. Remove the two screws in the back of the handset.
2. Remove the old battery & then press all buttons.
3. Connect the new battery.
4. Re-seal the two halves and replace.
5. Replace the screws, being careful not to over tighten them.
6. Test the handset to ensure it controls your X7 Lithium.

IMPORTANT INFORMATION

If you experience any kind of communication problem, the first thing to try is a new handset battery. You may want to carry a battery & screwdriver with you on the course so you can change mid-round if necessary.



SETTING UP AND PUTTING AWAY

SETTING UP

1. The X7 Lithium should only be lifted from the two lifting points when folded. These are the stabiliser (labelled as part 15 on the anatomy) and the handle under the front of the chassis (part 5). **Lifting from other points of the trolley could cause unintended damage that will not be covered under warranty. Do not lift from any part of the rear cover (part 14).**

2. To unfold the X7 Lithium, grasp the handle and pull it up and towards you. Both the top and bottom clips will snap in to place automatically.

3. To remove the front cover, hold the front cover 'S' clips (part 6), apply slight outward pressure and lift. The front cover can then be lifted completely away from the X7 Lithium.

4. Ensuring that the battery straps are out of the way, insert the battery in to the chassis. Secure the battery with the strap and connect the battery to the electronics box.

5. To re-fit the front cover, line up the two lugs at the back of the front cover with the corresponding gaps in the rear cover and pivot it in to place. Ensuring that the front of the cover is behind the bump on the chassis (in front of the electronics enclosure), press down either side of the cover until they clip on to the chassis.

6. With the lower bungee out of the way and the top bungee connected on one side only, place your golf bag on to the lower bag stay and rest it against the main support.

7. Using the handle in the middle of the bottom bungee, pull the cord over the bottom of your golf bag. Pull the loose side of the top bungee around the bag and attach it to the other side.

8. Ensure that the safety switch is in the ON position (the **I** is depressed) and that both rear wheels are in the drive position (see page 11 for freewheel instructions).

SAFETY SWITCH

The **O** symbolises **OFF** (pictured) and means that the trolley will not receive signals from the remote handset. All 4 lights on the electronics enclosure will be illuminated (if the battery is connected).

The **I** symbolises **ON**, and means that the trolley will receive signals and work as normal. Just the green 'power on' light will be illuminated on the electronics enclosure.



PUTTING AWAY

1. Remove one side of the top bungee and then lift your golf bag up and away from the X7 Lithium. The bottom bungee will release automatically.
2. Remove the front cover, disconnect and remove the battery and then replace the cover as described earlier.
3. Release both bottom clips simultaneously by pressing the clips with your thumbs. Slowly lower the main support until the top bag support comes to rest on the chassis.
4. Whilst supporting the handle, release the top clip and lower the handle until it comes to rest on the rear cover. Do not 'drop' either the handle or main support.
5. Carefully lift the X7 Lithium in to your car. Only lift the X7 Lithium from the two designated lifting points, which are at the front and rear of the chassis. Never lift the X7 Lithium from the rear cover as this may cause unintended damage.



IMPORTANT INFORMATION

You should **always disconnect** the battery before transporting or storing the trolley. This will ensure that the trolley is not accidentally switched on in transit, and will also ensure you do not damage the battery.

WARNING

OPTIONAL TRAVEL BAG

There is an optional travel bag available for the X7 Lithium. This makes it easier to lift the trolley and also helps to keep your car clean.

To use, place the X7 Lithium on to the flat part of the bag, then collapse the main support and handle. Then pull the top of the bag over the X7 Lithium. The Stewart Golf logo should be on top. Now zip the bag fully closed and use the handles to lift in to your car.



IMPORTANT INFORMATION

You should never use any form of hosepipe or pressure washer to clean your X7 Lithium. Using water to clean the product increases the risk of water ingress and could invalidate your warranty.

When cleaning your X7 Lithium, only use a soft, damp cloth to remove dust or dirt. If your golf club has an air line, you can use this to remove grass, dust & leaves etc.

WARNING

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 X7 approximately 10-15m in front of you & on the line of your ball. This will allow you to walk with your head up & consider your next shot.
2. When you get to your ball, park the X7 to the right of your ball (or to the left if you are left handed).
3. If you are going to walk any distance away from your X7, take the handset with you & clip it to your belt or pocket. You can then drive the X7 to you rather than walking back to it.

CAN I USE THE X7 WITHOUT THE HANDSET?

No. The X7 can only be controlled from the handset, but if you prefer to steer manually it can be clipped to the handle using the cradle provided (see page 8).

HOW DOES THE X7 COPE WITH HILLS?

Very well. The X-Series is designed with a low and central centre of gravity, whilst the chassis has an integrated rear stabiliser should the X7 ever tip up on a hill. If you find the rear wheels lose traction, you may need to push forwards on the handle to regain some grip.

CAN THE X7 HANDLE ROUGH TERRAIN?

The X7 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 X7 to go anywhere you wouldn't happily walk. Please note that use in long grass will increase battery consumption.

HOW MUCH WEIGHT CAN IT CARRY?

Your X7 has been designed for use with a 10kg (22lbs) golf bag. Using a heavy bag will increase power consumption and slow down the steering significantly. Using a heavy bag will also increase wear on the motors and other mechanical parts. For use with the X7, your golf bag should weigh a maximum of 15kg (33lbs).

DOES THE X7 LITHIUM NEED TO BE SERVICED?

Yes. The X7 is built with longevity in mind, but like any mechanical product it has parts that can wear over time (such as the motor brushes and wheel bearings).

Much like a car, the service intervals will depend on how much the machine is used. Please contact us for further information on recommended service intervals.



CAN I USE THE X7 IN THE RAIN?

The X7 is designed for use in all conditions appropriate for golf, subject to local exceptions.

Because the X7 is designed with all major components protected from rain by its covers, water or moisture ingress can not occur during normal use.

You should avoid any situation where moisture or water could reach the electronics or motors. Below are just some examples of how water ingress can occur:

1. Driving through puddles or standing water (pictured).
2. Using a pressure washer or hose pipe to clean the X7.
3. Submerging the X7 in a river or lake.

Faults caused by water ingress will not be covered under the warranty.

HOW DO I GET THE X7 UP A STEP OR KERB?

When approaching a step up or a kerb:

1. Exert downward pressure on the handle to lift the front wheels on to the higher level.
2. If the natural traction of the rear wheels do not carry the rear of the trolley, you should only lift the trolley from the centre of the main support as pictured.

Do not lift the trolley from the handle. This can cause fatigue or even component failure.

HOW MANY HOLES WILL THE BATTERY LAST FOR?

The battery supplied is sized to complete at least 18 holes under normal circumstances.

We do not guarantee a number of holes because '18 holes of golf' is not a finite measurement. There can be a difference of several miles from a short to a long course.

Terrain, ground condition, bag weight, and a number of other factors can make a difference. Imagine running along a flat concrete road as opposed to up a steep sand dune!

How you play will also affect how far you walk. A golfer shooting 70 will walk a lot less than a golfer shooting 120 and zig-zagging up the fairways. This scenario would also see the remote steering being used more, which consumes more power.

HOW CAN I MAKE THE BATTERY LAST LONGER?

The best way to improve the efficiency of the trolley is to:

1. Use a lighter golf bag / carry less equipment.
2. Use the steering sparingly. The steering action is the largest consumer of battery power.
3. Accelerate slowly, in the same way that you would if you were trying to be efficient when driving a car.

Ultimately, if you play more than 18 holes at a time, we recommend that you purchase an additional battery.



OTHER X7 LITHIUM FEATURES

QUICK RELEASE REAR WHEELS

To remove a wheel, tilt the X7 (from the main support) 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 away from the trolley.

FREEWHEEL

The X7 has a built in freewheel setting which allows you to complete your round even in the unlikely event of a fault. To engage this mode:

1. Tilt the X7 so that one side of the machine is off the floor.
2. Press down the black button and slide the wheel 25mm away from the motor, but still on the axle.
3. Rotate the wheel 45 degrees (in either direction), and push it towards the motor until it stops.
4. Release the quick release button and the wheels should now be locked on to the shaft but not engaged on the drive.

CRUISE CONTROL SPEEDS

Your X7 Lithium has 4 preset 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 X7 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 program these buttons to your own walking speeds as follows:

1. Press and hold the emergency stop button and the numbered cruise control button that you would like to program until the X7 starts moving forwards.
2. Adjust the speed using the speed up & slow down buttons.
3. Press the emergency stop to store that speed.

TRIM ADJUSTMENT

Your X7 has been factory set to travel in a straight line, however as the motors wear it may develop a bias. If this happens, you can adjust the left/right trim by following these steps:

1. Ensure that your X7 is on a flat surface & that your golf bag is balanced (no heavy items in side pockets).
2. Hold down both the emergency stop and glide stop buttons for 3 seconds until the X7 sets off in the forwards direction.
3. Use the left and right buttons to fine tune the direction of the X7 until it is travelling in a straight line.
4. Press the emergency stop button to store the new setting.



WARRANTY

Your Stewart Golf X7 Lithium is guaranteed to be free from defects in materials or workmanship for a standard period of two (2) years from delivery. 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 X7 Lithium has many unique features, so it is important that you familiarise yourself with the contents of this manual. If you think that there may be a problem with your X7 Lithium, the first thing to check is the trouble shooting guide on page 14. If you still believe that there is a problem, please contact us using the details on the back cover of this manual.

If you have a problem that cannot easily be solved over the telephone, we can arrange to have your X7 Lithium collected from an address of your choosing (UK only). Once it has arrived with us, we will fully test and repair your X7 Lithium before cleaning and returning it to you as soon as we can.

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 local dealer/distributor. 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 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 no fault can be found, or it is found that the customer has not understood the full functions of the X7 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 or according to Stewart Golf instructions, wear & tear, results of neglect, misuse or accidents, damage howsoever caused, or utilisation for any other purpose other than carrying a golf bag on a golf course. X7 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 two (2) year warranty against faulty workmanship and materials. Loss of battery performance owing to external damage (however caused), misuse and/or abuse, incorrect charging or other failures not attributable to a manufacturing fault are specifically excluded from this warranty. Battery 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 exactly.

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 X7 Lithium.
2. A full and accurate description of the symptoms of your problem, including which lights are showing on the main electronics enclosure.

TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	WHAT TO TRY
The X7 is not responding when I press a button on the handset.	<ol style="list-style-type: none"> 1. Main battery not connected. 2. Safety switch is off (O). 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. Turn the switch on (I). The Safety Switch is located on the rear cover. 3. Replace the 9V battery. 4. Allow the charger to complete an entire cycle. 5. The X7 has a range of up to 50m, but the range can also be affected by numerous other factors.
I can hear the motors working but the trolley is not moving.	Rear wheels may be in freewheel mode.	Use the quick release mechanism to engage the wheels in to the 'drive' position (P11).
I find it difficult to push my X7.	Freewheel mode is not engaged.	Use the quick release mechanism to set the rear wheels to the 'freewheel' position (P11).
I have lost my handset.		Contact Stewart Golf to purchase a replacement.
The X7 moves in circles when pressing the forward button.	One wheel on freewheel, one in drive.	Ensure that both wheels are in the 'drive' position.
The X7 does not travel in a straight line.	Motors have become imbalanced.	Follow the instructions on 'trim adjustment' on P11.
<p>The range of the remote has dropped.</p> <p>Left & right commands are not working consistently.</p>	Handset battery is losing power.	<p>Replace the handset battery with a NEW battery.</p> <p>It is important to use a brand new premium battery, as the quality of the battery directly affects the strength of the signal the handset is able to send.</p>

X7 LITHIUM ACCESSORIES

TRAVEL BAG



PERSONALISED PLAQUE



UMBRELLA HOLDER



STAFF TOWEL



HEDGEHOG WET WEATHER WHEELS

SILICONE HANDSET SKIN



INSULATED DRINKS HOLDER



RAIN COVER



INSULATED COOLER BAG



GPS / DEVICE HOLDER





UNITED KINGDOM

If you live in the United Kingdom and need to contact us for any reason, please contact us via the following means:

Online	stewartgolf.co.uk
Email	info@stewartgolf.com
Telephone	0333 800 18 18



WORLDWIDE

If you live outside the UK and would like to get in touch with your local Stewart Golf representative, please visit one of the following websites:

Europe	stewartgolf.eu
Canada	stewartgolf.ca
USA	usa.stewartgolf.com
Australia	stewartgolfaustralia.com
Worldwide	stewartgolf.com

If you have any trouble finding the information you require, please email us at info@stewartgolf.com.



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