



130 MANUAL T700 VERSION



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IMPORTANT SAFETY NOTES

PLEASE READ THE FOLLOWING BEFORE USE



IMPORTANT!

To guard against injury, important safety precautions should be observed.

IMPORTANT!

Relax and sit well back in the seat with your arms on the armrests and your feet well back on the footrest.



DANGER!

The stairlift is designed to carry one person at a time. Never attempt to carry more than one person.

Do NOT exceed published weight capacity. Operating any lifting device exceeding weight capacity could result in serious injury.



IMPORTANT!

Always wear the seatbelt, ensure it is fastened securely at all times during operation.



WARNING!

Do not transport food, animals, laundry or any other items. Do not use the stairlift for anything other than its intended use.



DANGER!

Do not allow children to play with the stairlift. Use by children should always be supervised.



WARNING!

Ensure other members of your household or visitors are aware that the stairlift is installed. Make them aware of any potential trip hazards (rail, hinge, footplate).



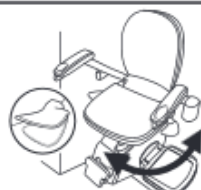
DANGER!

Ensure that household pets are out of harm's way before using the stairlift.



WARNING!

Ensure that the stairway is not being used by others and is clear of articles or obstructions before using the stairlift.



WARNING!

At the top of the stairs, always ensure the seat is rotated and locked in at a 45° or 90° angle when mounting and dismounting.



WARNING!

To avoid injury do not make contact with moving parts.

IMPORTANT SAFETY NOTES

PLEASE READ THE FOLLOWING BEFORE USE



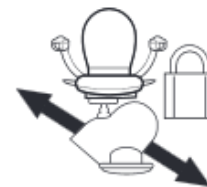
WARNING!

Do not disconnect the power supply. This will make the stairlift batteries lose their charge, and the stairlift will not operate.



WARNING!

The stairlift must not be used for firefighting or for evacuation during a fire.



WARNING!

Ensure that the swivel seat is in the locked position before and during travel and before getting on or off the stairlift.



DANGER!

Always consult your Acorn representative if the need for an authorized engineer should arise.



WARNING!

Do not operate the stairlift if under the influence of alcohol or drugs. If unsure, ask your physician for advice.



WARNING!

Do not use the stairlift if you have not been given a demonstration by the installation engineer.



IMPORTANT!

Please ensure that you can alert others in case you encounter difficulties when using the stairlift.



DANGER!

Ensure that there are no articles of your clothing (scarves, dressing gowns, cardigans) that could become trapped in the stairlift mechanism, as this could result in personal injury and/or damage to the equipment. Always check that your clothing is clear of the stairlift and rail before operation.

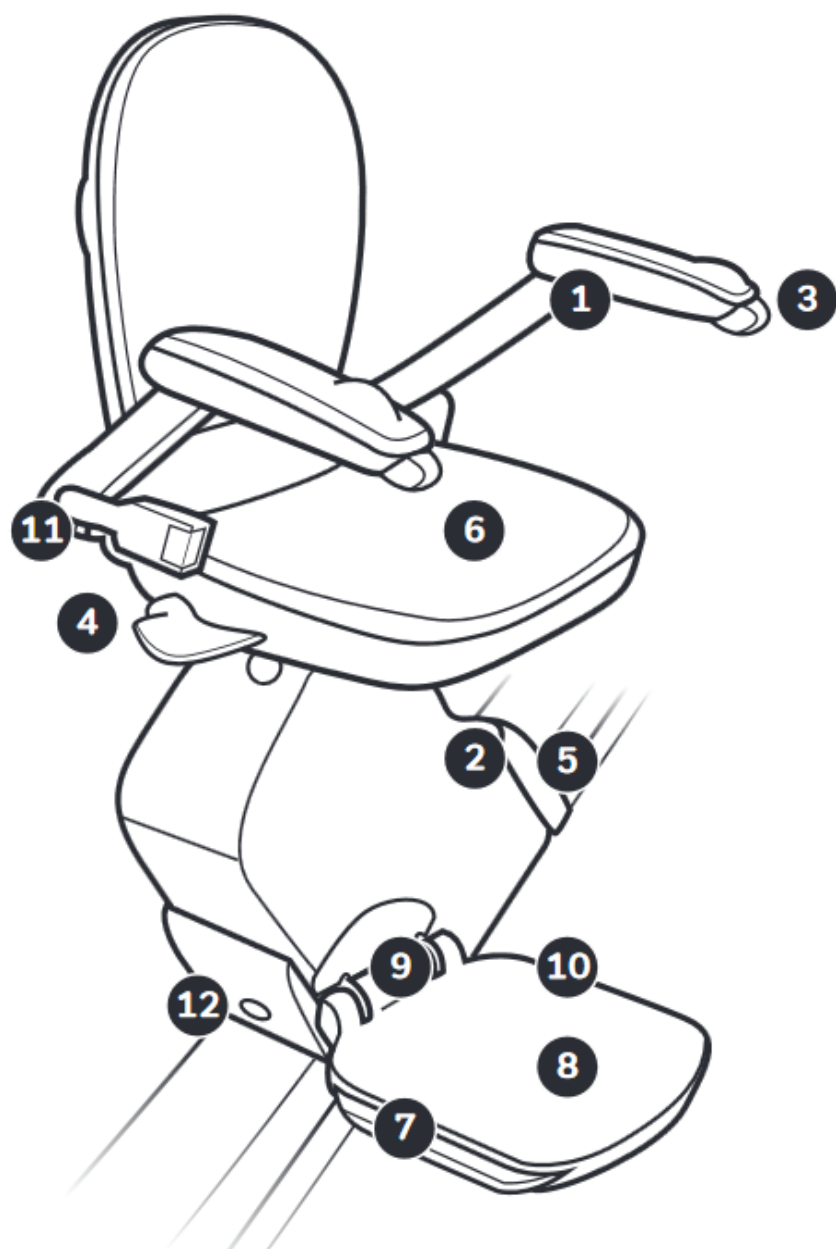


CAUTION!

It is possible for small items to be dropped onto the stairlift rail and then slide down the rail and into the stairlift mechanism. If you suspect that any foreign object has become trapped in the equipment, consult your Acorn representative before further use.

**PLEASE KEEP THESE SAFETY NOTES TO HAND
FOR EASE OF REFERENCE**

YOUR STAIRLIFT



YOUR STAIRLIFT

The 130 Stairlift is an electrically powered stairlift designed for domestic use. If used correctly, it will provide many years of safe, reliable service.

It is designed to carry one person weighing no more than 127kg (300lbs)* or 159kg (350lbs)* HD model

The 130 Stairlift is powered by an internal battery pack that is charged from the residential mains supply/wall outlet via a transformer that reduces the voltage to a safe level. This means that there is no risk of electric shock and also that the stairlift will continue to function even if the mains electricity supply is interrupted.

- 1 Folding armrest
- 2 Status display panel
- 3 Paddle control
- 4 Seat swivel lever
- 5 Key switch
- 6 Folding seat base
- 7 Safety sensor down
- 8 Footrest anti-slip surface
- 9 Folding footrest
- 10 Safety sensor up
- 11 Seat belt
- 12 Infra-red sensor

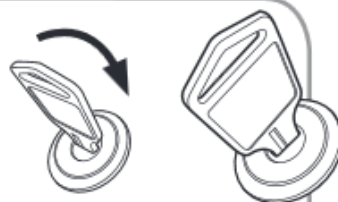
QUICK USER GUIDE

This is a quick start reference guide to help get you started using your Stairlift

It is important for your safety that you study this manual to completely familiarize yourself with your stairlift.

POWER OPERATION

Insert and turn key clockwise



FOLDING ARMS, SEAT & FOOTREST

Fold down the arms, seat and footrest.

The downside arm of the seat must be completely down for the stairlift to operate.

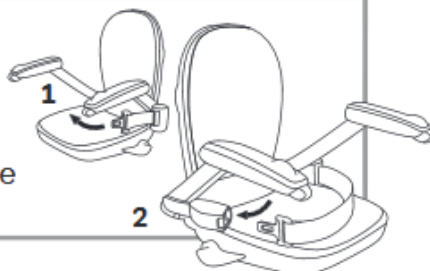
The stairlift will still operate with the remote control when the arms, seat and footrest are raised.



IMPORTANT - Seatbelt must be worn during operation

SEATBELT

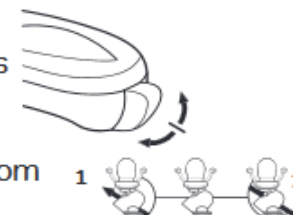
- 1 Retract the seatbelt and pull over lap
- 2 Push seatbelt into the buckle until it clicks



QUICK USER GUIDE

ARM CONTROL

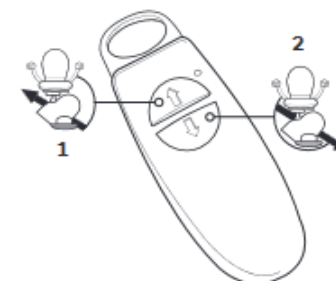
- 1 Press the switch towards the stairs to go up
- 2 Press the switch away from the stairs to go down



REMOTE CONTROL

Aim the remote at the stairlift in line with the rail.

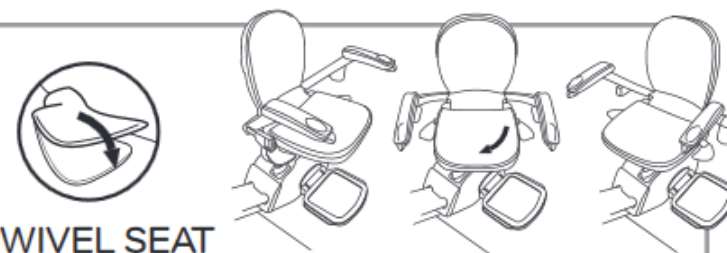
- 1 Press the up arrow for the lift to go up.
- 2 Press the down arrow for the lift to go down.



SWIVEL SEAT

At the top of the stairs push down on the lever to swivel the seat 45° and 90° to exit the lift.

The seat must be swivelled back and locked into position before operating the stairlift.



IMPORTANT INFORMATION FOR USERS WITH A MANUAL HINGE

Using the remote control, move the lift up to an intermediate charge point if fitted or the top charge point. Once completed, manually lift the hinge to allow access through the doorway that was obstructed. **It is important that the stairlift is moved to the nearest charge point to ensure battery drain does not occur.**

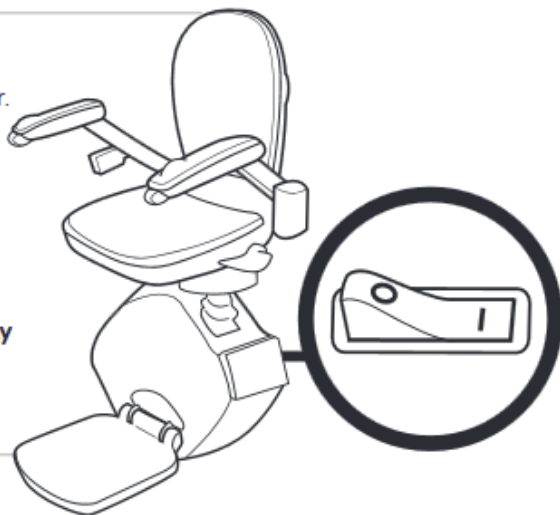
STAIRLIFT OPERATION

BATTERY ISOLATION SWITCH

This battery isolation switch can be found on the wall side edge / rear of the carriage cover.

Important - The switch should remain ON at all times. Failing to do so will result in the batteries losing their charge.

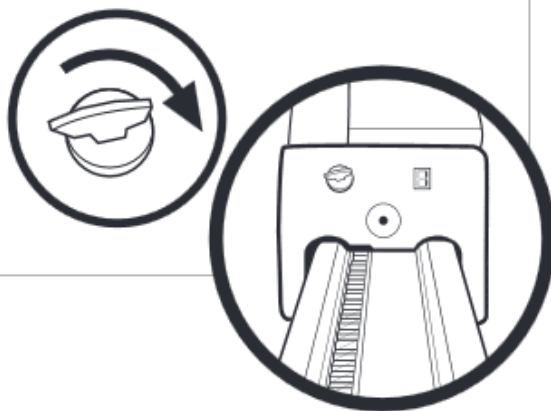
Please be aware this will not be covered under the warranty terms and conditions.



KEY SWITCH

You will find the key switch on the carriage cover.

For the unit to operate, the key must be inserted and turned to the right (clockwise).



STAIRLIFT OPERATION

The display panel, positioned near the key switch, will indicate 'A1', or 'C1, C2, C3, C4, C5 or C6' if the stairlift is on a charge point.



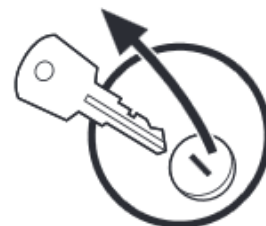
If the display is not indicating any of these codes, please check the DIGITAL DISPLAY CODES on pages 20-23

However, when the key is turned to the left or withdrawn, the display panel will show 'E9' and the stairlift will not run.



The key can also be removed to prevent any unauthorized use.

This will not affect the charging.

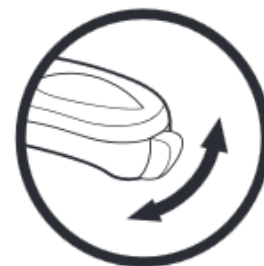


PADDLE CONTROL

The paddle control is located on the chair arms. To operate the unit, the paddle must be pressed and held in the direction of travel.

There will be an audible beep to signal that a command has been received.

The unit will only operate while the paddle is being pressed, and will automatically stop when the unit reaches the end of the track or the paddle is released.



If a beep cannot be heard when the paddle is pressed, check the display code and refer to the digital display codes on pages 20-23

STAIRLIFT OPERATION

REMOTE CONTROLS

The unit may also be operated with the remote control handset*.

There are two buttons on the handset; RED and GREEN, or UP and DOWN depending on the type of handset you have been supplied.

Point the remote control at the nearest sensor.

To send the unit UP
press and hold the RED (OR UP) button.

To send it DOWN
press and hold the GREEN (OR DOWN) button.

The unit will automatically stop at the end of the track or if the button is released.

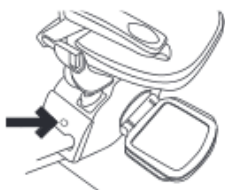
Always point the remote control handset towards the infra-red sensor on the stairlift carriage.

NOTE: The paddle control will always override remote controls.

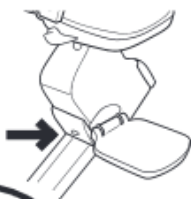
The infrared sensors for the remote controls are located on the carriage.

The remote control needs to point at these to work efficiently to operate the stairlift.

The top sensor is located near the digital display.



The bottom sensor is located on the bottom plate near the rail.



Occasional interference from outside sources may, in some instances, cause the lift to stop. This is a normal feature, designed to prevent accidental operation. The remote control will require the button to be released and pressed again.

IT IS RECOMMENDED THAT THE BATTERY IN THE REMOTE CONTROL HANDSET IS REPLACED ANNUALLY

*Remote handset may vary from that shown

STAIRLIFT OPERATION

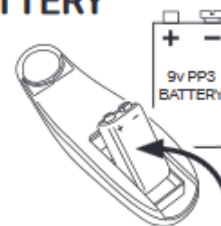
HOW TO CHANGE THE REMOTE BATTERY



Slide the battery cover off the reverse of the remote control.



Remove the battery. Please take old batteries to a recycling centre or a collection point at your local electrical store or supermarket.



Insert the new battery base first and push down firmly. Slide the cover on.

Please ensure that the battery is connected correctly. If the battery is connected wrong it could damage the remote and may require replacing.

The unit will operate with the seat pad or footrest in the folded position. However, it will not work if the seat has been turned to the 45° and 90° position, or the safety arm has been left up*. This will be indicated by 'E6' on the display panel.

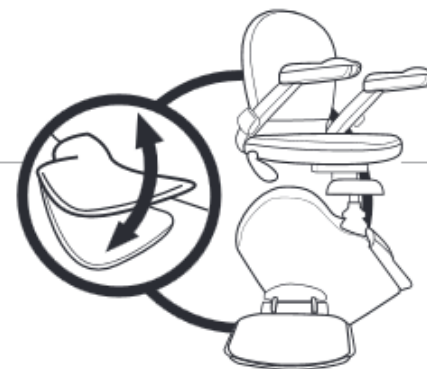


The downside arm of the seat must be completely down for the stairlift to operate.

*Perch/Sit-Stand Models

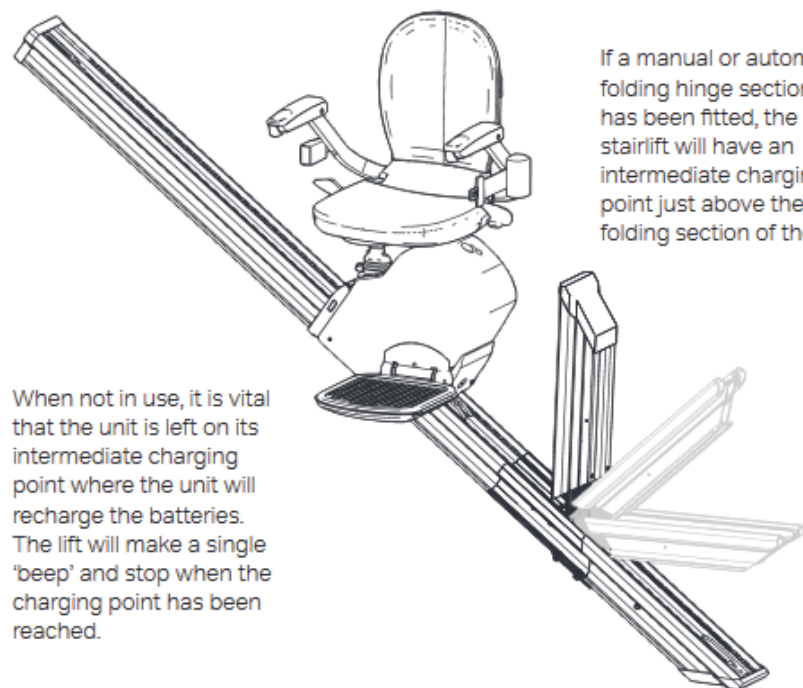
MANUAL SWIVEL SEAT

When the unit reaches the upper end of the track, it will stop automatically. The seat must now be turned to make getting on and off the stairlift safe.



STAIRLIFT OPERATION

HINGE SECTION



If a manual or automatic folding hinge section has been fitted, the stairlift will have an intermediate charging point just above the folding section of the rail.

When not in use, it is vital that the unit is left on its intermediate charging point where the unit will recharge the batteries. The lift will make a single 'beep' and stop when the charging point has been reached.

MANUAL HINGE INSTALLATION

To park the lift, press the UP direction on the remote controls until the lift beeps and stops on the intermediate charging point. You can now fold the hinge section by hand.

To call the lift, unfold the hinge section by hand. Using the remote control, call the lift down to its lower stopping position.

AUTO HINGE INSTALLATION

To park the lift, press the UP direction on the remote controls until the lift beeps and stops on the intermediate charging point. The hinge will fold up automatically.

Using the remote control, call the lift down to its lower stopping position. The folding hinge will lower automatically.

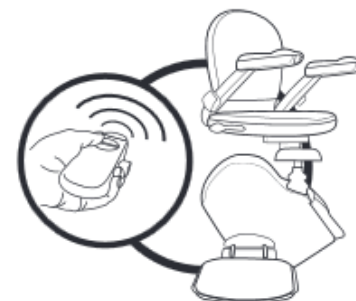
STAIRLIFT OPERATION

REMOTE CONTROL OPERATION

Using the remote control handset, release and press again to start the seat swivel operation.

The unit should not be operated until the seat has been rotated back to the travel position. Failure to do so will indicate 'E6' on the display panel.

The unit will also fail to operate if the down arm is in the folded position.

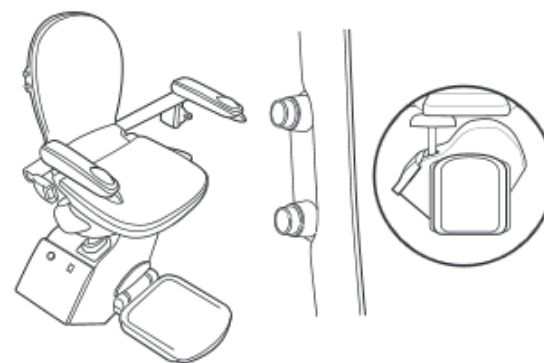


SAFETY NOTE: The footrest does not swivel, and the seat only swivels at the top of the staircase.

POWERED FOOTREST

If a Powered Footrest is fitted, at the top or bottom of the stairs, after the stairlift comes to a stop, undo the seat belt and leave the stairlift.

Using the buttons located along both sides of the seat, lower or raise the footrest as required.



STAIRLIFT OPERATION

SEAT BELT

To fasten the seat belt, pull out the belt and insert the clasp into the buckle.

A positive click should be heard, indicating that the lock has engaged properly.

To release the seat belt, hold the belt with one hand and press the release button on the buckle.

The clasp will automatically release and allow the belt to retract.



SEAT BELT MUST BE WORN AT ALL TIMES WHEN USING THE STAIRLIFT
It is important that the belt is held while it retracts, otherwise it will retract too fast, resulting in the belt 'whipping' which may cause injury.

FOLDING SEAT/FOOTREST

The seat, arms and footrest can be folded up when not in use to allow greater access on the stairway, efficiently using the space in your hallway. The lift can still be operated using the remote control handset.

Note: The stairlift will not run if the downside arm is folded upwards. The downside arm must be completely down for the stairlift to operate. The stairlift can still be called with the remote controls.

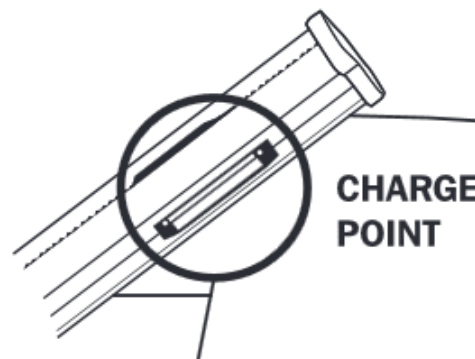


STAIRLIFT OPERATION

PARKING AND RECHARGING

When not in use, it is vital that the unit is left on a charge point. The location of this will depend upon which type of track is fitted.

On a standard track, the correct positions are at the top or bottom where the unit stops automatically. At these positions, the unit receives a power supply from the mains/transformer that allows the unit to recharge its internal batteries. The lift will make a single 'beep' to indicate that a charge point has been reached.



Note: If there is a mains electrical supply failure, or if the supply to your stairlift is switched off, it will continue to work for several journeys. However, the batteries will eventually lose their charge and the stairlift will not operate.



A DEDICATED POWER SOCKET MUST BE AVAILABLE FOR THE STAIRLIFT. The mains electricity supply/transformer should be left permanently connected and switched on.

It is imperative to ensure there is a continual supply of power to the stairlift. The stairlift batteries can cover short term interruptions to the power supply, but without a supply of power, will eventually become too low to be recharged.

If this happens, the batteries will have to be replaced by an engineer, which is not covered by the manufacturer's warranty and is a chargeable service.

SAFETY FEATURES

The stairlift comes with an array of safety features as standard; including:

- **Carriage safety pads; upper and lower**
Stops stairlift upon contacting an obstruction on the rail
- **Footrest safety edges; upper and lower**
Stops stairlift upon contacting an obstruction on stairway
- **Swivel seat switch**
Prevents the movement of the stairlift when the seat has been swivelled to 45° and 90°
- **Final limit switch**
Prevents the stairlift from travelling too far along the rail
- **Over speed governor and safety gear**
Prevents uncontrolled descent
- **No-charge warning**
Audible warning sound - alerts when the stairlift is not charging
- **Retractable Seat Belt**
Must be worn at all times during operation
- **Downside Arm Interlock**
The stairlift seat arms must be in the down position for the stairlift to operate

If one or more of the safety devices are activated, an appropriate code will be indicated on the display panel. These codes can be found in the **DIGITAL DISPLAY CODES** on pages 20-23 together with the appropriate action required.

OVER SPEED GOVERNOR

The lift is fitted with a safety device (OSG) that will lock the lift to the rail in the event of a mechanical failure or excessive speed. If the OSG operates spuriously due to excessive shock or vibration, indicated by 'F7' on the display panel, it is possible to reset it (see page 16).



SAFETY FEATURES

HAND WINDING

In an emergency, the stairlift may be hand wound to clear any obstruction.



If this symbol is displayed, DO NOT hand-wind the stairlift in the down direction because this could damage it. Always observe for possible obstructions.

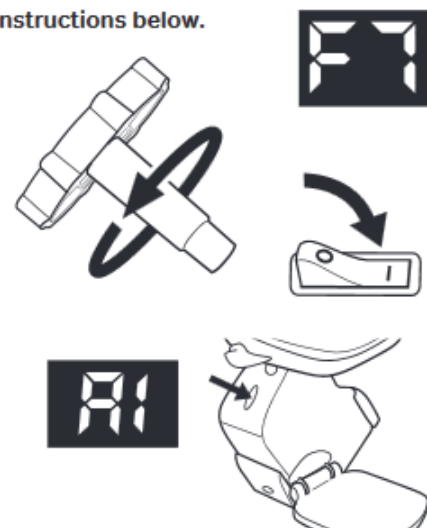


1. Turn off the battery isolation switch.
2. Remove the blanking cover and insert the hand winder onto the motor spindle. Follow the instructions on the label inside the top of the hand winder.



If this symbol is displayed, follow the instructions below.

1. Turn the hand winder in a clockwise direction so the lift moves up the track approximately one inch (2.5cm).
2. Remove the hand winder and turn on the battery isolation switch.
3. Check the digital display panel has changed from 'F7' to 'A1'. If it still displays 'F7' repeat the above steps.
4. Once 'A1' is displayed, run the lift up until it stops automatically, and then down to check all operations are running as they should. Replace the blanking cover.



CAUTION! Never run the stairlift with the winding wheel in place as it could result in serious injury or damage. Never wind the stairlift counter-clockwise/anti-clockwise if the fault code 'F7' shows, as this will result in damage to the OSG.

IF IN DOUBT, CONTACT YOUR AUTHORIZED ACORN REPRESENTATIVE FOR FURTHER ADVICE

CARE AND MAINTENANCE

REMOTE CONTROLS

As previously described on page 12, there may be occasions when the remote control handsets* will lose programming due to outside interference. If this happens, you can reset the remote control by parking the lift on its charge point. Then remove the key from its location so that the digital display is showing 'E9'.

Press the lower safety edge on the carriage and, at the same time, press the DOWN button on the remote control.

When the key is inserted back into its location and turn right (clock wise), the remote control handset will be correctly programmed.

The remote controls work by using an infrared light source. This naturally occurring light source can also be emitted by certain types of low energy bulbs. If it is found that such a bulb is causing interference with the remote controls, it is recommended that it be changed to a standard one.

IT IS RECOMMENDED THAT THE REMOTE CONTROL BATTERIES ARE REPLACED ANNUALLY.

*Remote handset may vary from that shown



RAILS

It is recommended that the rail should be cleaned on a weekly basis. This should be done with a dry cloth, and you can use simple household polish. **Under no circumstances should you use a damp cloth with abrasive cleaner.** Failure to clean the track on a regular basis will lead to a build up of dust on the internal rollers of the stairlift, which will in turn leave black marks; and in some instances will leave a residue which can look similar to metal shavings.

It is also recommended that the steel-toothed rack, mounted on the rail itself, should be vacuumed out on a regular basis.

CARE AND MAINTENANCE

SAFETY EDGES

Should the stairlift become unoperational (displaying 'E1', 'E2', 'E4', 'E5') this could be due to one of the safety edges being trapped. This can be overcome by moving the stairlift back in the opposite direction and removing the obstruction or simply tapping the relevant safety edge gently.

If this doesn't rectify the problem, contact your authorized Acorn representative for further assistance.



SLEEP MODE

If the stairlift is not parked on a charge point, or in the event of a power failure, the stairlift will 'beep' continuously for approximately 60 seconds, after which the stairlift will enter SLEEP MODE. Once in sleeping mode, the stairlift will 'beep' twice approximately every 40 seconds. The user can 'wake' the stairlift at any time by using the paddle controls or remote control handset. Once woken, park the stairlift on a charge point as normal.

RESET

On certain occasions, it may be necessary to reset the control board of the stairlift. Switch the Battery Isolation Switch OFF (see page 7), leave for 30 seconds, then switch back on. This will reset the fault codes on the display panel.



SERVICING

It is recommended that your stairlift is serviced every 12 months by your stairlift supplier to ensure it remains safe and reliable. Your stairlift is designed to operate smoothly and quietly. The equivalent continuous A-Weighted sound pressure level of this equipment does not exceed 70db (A). For safety reasons, only Acorn specified parts should be used. Use of parts that are not Acorn approved could affect the safety of your stairlift.

CARE AND MAINTENANCE

FCC

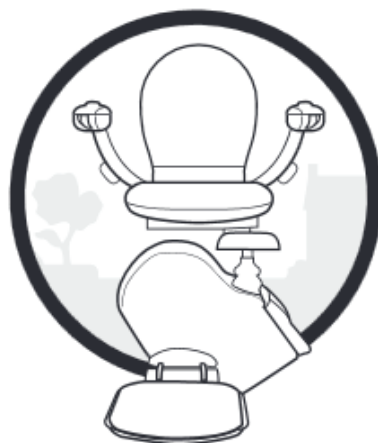
The equipment has been tested and complies fully with Class A of 47CFR 2011 part 15 certification. If not installed correctly by an Acorn Qualified Technician there may be some interference with other household equipment (i.e. TV and Radio reception). This can be rectified by moving this equipment to a different location.

OUTDOOR MODELS

The outdoor model operates in exactly the same way as the indoor model, but is fully compliant with all national standards with regard to outdoor weathering. Proper care and maintenance is required as normal; i.e. regular servicing and regular external cleaning.

The rainproof / dustproof cover supplied with the stairlift should be used when the stairlift is not in use. The cover is used to keep off leaves and garden debris as well as providing additional protection for your stairlift from the elements.

Acorn cannot accept any claims for damages under warranty if the required care and attention recommendations are not followed.



HD MODEL

The HD model operates in exactly the same way as the standard model. Proper care and maintenance is required as normal; i.e. regular servicing and regular external cleaning. Certified to 159kg (350lbs)*.

Acorn cannot accept any claims for damages under warranty if the required care and attention recommendations are not followed.

DIGITAL DISPLAY CODES

CHARGING CODES LIFT WILL OPERATE AS NORMAL

1

	NORMAL - Battery is charging Charger connected and operating properly. C1 being battery low in charge, progressively increasing to C5 sustained charged.	Lift is operating normally
	NORMAL - Battery is fully charged Charger connected but not charging - battery is at maximum charge capacity	Lift is operating normally
	FAULT - Charge voltage too low Charger connected but not operating as required	Contact your authorized Acorn dealer for assistance
	FAULT - Charge voltage too high Charger connected but not operating as required	Contact your authorized Acorn dealer for assistance
	FAULT - Battery fault Charger connected but not charging - battery is not found, or is faulty	Contact your authorized Acorn dealer for assistance

STANDARD OPERATING CODES LIFT WILL OPERATE AS NORMAL

2

	NORMAL - Power down / Sleep mode No display shown. Lift is either receiving no power; or is in sleep mode.	- Check that the Battery Isolation switch is in the ON position - Activate the directional paddle to wake the stairlift from 'SLEEP' mode
	NORMAL - No charge LIFT WILL BEEP Lift has been parked off a charge point, and is receiving no charge.	- Activate the directional paddle and drive the stairlift to a charge point - Check that the mains supply has not been turned off

DIGITAL DISPLAY CODES

A2	NORMAL - Lift moving up Lift is in operation, and moving upward. Armrest toggle has been activated.	• Lift is operating normally
A3	NORMAL - Lift moving down Lift is in operation, and moving downward. Armrest toggle has been activated.	• Lift is operating normally

2

STANDARD OPERATING CODES

LIFT WILL OPERATE AS NORMAL

A4	NORMAL - Lift moving up (remote) Lift is in operation, and moving upward. Remote control has been activated.	• Lift is operating normally
A5	NORMAL - Lift moving down (remote) Lift is in operation, and moving downward. Remote control has been activated.	• Lift is operating normally
A9	NORMAL - Lift operating the hinge section Complete operation until the hinge is in line with the rail or fully folded.	• Lift is operating normally

3

OPERATING ERROR CODES

LIFT WILL NOT OPERATE

E1	NORMAL - Safety edge activated Footrest DOWN safety edge or underplate has been activated	• Check the footrest DOWN safety edge for obstruction
E2	NORMAL - Safety edge activated Footrest UP safety edge has been activated	• Check the footrest UP safety edge for obstruction
E4	NORMAL - Safety edge activated Carriage DOWN safety edge has been activated	• Check the carriage DOWN safety edge for obstruction
E5	NORMAL - Safety edge activated Carriage UP safety edge has been activated	• Check the carriage UP safety edge for obstruction
E6	NORMAL - Seat not in place The stairlift seat is not in the riding position	• Turn the seat back to the riding position

DIGITAL DISPLAY CODES

E7	NORMAL - Battery low Bring the unit down to the nearest charging station. The unit won't allow the user to travel in the UP direction until the batteries are sufficiently charged and the code has cleared.	• Activate the directional toggle switch and drive the stairlift to a charge point
E9	NORMAL - Key switch off Key switch is in the OFF position	• Check that the key is in and turned to the ON position

HARDWARE FAULT CODES

LIFT WILL NOT OPERATE

4

H1	NORMAL - Safety grounded to chassis (SW1 safety circuit)	• Check continuity between every switch in the SW1 or SW2 safety circuit and chassis
H2	NORMAL - Safety grounded to chassis (SW2 safety circuit)	

H3	FAULT - Hinge communication fault The stairlifts is failing to operate the hinge section.	• Check that the mains supply has not been turned off or unplugged from the wall. • Contact your authorized Acorn dealer for assistance
H6	FAULT - Hinge end position not reached The hinge section cannot get in line with the rail or fully folded.	• Check for obstructions around the hinge section. • Contact your authorized Acorn dealer for assistance

FATAL ERROR CODES

LIFT WILL NOT OPERATE

5

F1	FAULT - Relay fault	• Reset the stairlift (power off for 30 seconds) • If not resolved, contact your authorized Acorn dealer for assistance
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DIGITAL DISPLAY CODES

5

FATAL ERROR CODES LIFT WILL NOT OPERATE

F2	FAULT - Brake fault	- Reset the stairlift (power off for 30 seconds) - Drive the stairlift to a charge point, and leave to charge for one hour - If not resolved, contact your authorized Acorn dealer for assistance
F3	FAULT - Motor overcurrent fault	- Reset the stairlift (power off for 30 seconds) - If not resolved, contact your authorized Acorn dealer for assistance
F5	FAULT - Battery flat - Audible alarm The battery level is really low	- Press the arm switch control or the remote control once to stop the alarm. - With E7 on display, bring the unit down to the nearest charging station and recharge the batteries.
F6	FAULT - Final limit overrun	- Hand wind the stairlift up OR down (see page 16) - If not resolved, contact your authorized Acorn dealer for assistance
F7	FAULT - OSG switch	Hand wind the lift UP to reset the OSG (see page 16)

OPERATIONAL PROBLEMS

LIFT OPERATION INTERRUPTED DURING USE



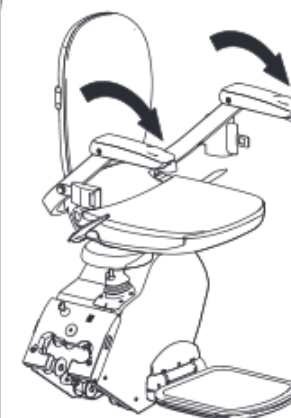
IMPORTANT!

OBSERVE THE FOLLOWING POINTS BEFORE USING THE STAIRLIFT

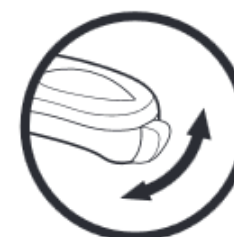
- Please ensure that you can alert others in case you encounter difficulties when using the stairlift



- Ensure that the stairway is not being used by others and is clear of articles or obstructions



- Remain calm on the stairlift, ensuring that both arms are in the down position.
- Release the direction controller on the arm rest and press again in the DOWN direction.



In the unlikely event that you need to disembark the stairlift mid travel, always attempt to swivel the seat towards the stairs.

OPERATIONAL PROBLEMS

DISEMBARKING THE STAIRLIFT IN CASE OF EMERGENCY

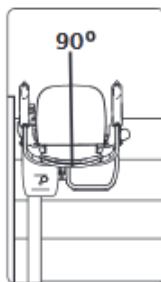
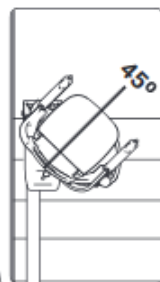


IMPORTANT!

In the unlikely event that you need to disembark the stairlift mid travel, always attempt to swivel the seat towards the stairs.

Turn the seat, depressing and holding the seat swivel lever at the side of the seat pad. (Powered swivel units can be rotated manually without the need of depressing the seat pads).

This will then allow the seat to be rotated to face the staircase.



The seat will lock at a 45° or 90° angle.



IMPORTANT!

MAKE SURE THE SEAT IS LOCKED INTO POSITION BEFORE ATTEMPTING TO DISEMBARK THE STAIRLIFT.



IMPORTANT!

IT IS IMPORTANT THAT THE SEAT BELT IS UNDONE ONLY WHEN THE SEAR HAS BEEN FULLY SWIVELLED TO FACE THE STAIRCASE AND LOCKED INTO POSITION.

Notes: