

Operator Manual



ELITE OUTDOOR CURVED STAIRLIFT

Residential and Commercial

CRE-2110E

01-19-2023

P/N 2110E-O

Manual en español disponible en www.bruno.com



www.bruno.com

PRODUCT REGISTRATION FORM

THANK YOU! We appreciate you purchasing a Made in the USA Bruno stairlift!

Warranty Registration

Complete the warranty registration process by filling out the product registration form in one of two ways:

- Fill it out online at www.bruno.com/forms/product-registration
- Complete Product Registration Card enclosed with this product and return via mail

Serial Number

Please note the serial number of your stairlift is affixed to this manual cover and on the unit itself. The serial and model number is needed for your dealer to file a warranty claim, request parts or to service the unit. We encourage you to keep this information.

Authorized Bruno Dealer

Bruno stairlifts must be installed and maintained by an authorized Bruno dealer or the warranty will be null and void.

Table of Contents

Regulatory Information and Specifications	3
Safety.....	4
Operation	5
Standard Swivel Seat.....	6
Optional Mid-Park Position	6
Charging and Diagnostic Codes	7
Battery Charger LEDs.....	8
Maintenance/Remote Battery Replacement	9
Vacation and Long-Term Storage	9
Troubleshooting.....	10
Warranty	11



FCC Regulations

This stairlift has been tested and complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, try to correct the interference by one or more of the following:

- Reorient or relocate receiving antenna.
- Increase separation between equipment and receiver.
- Consult your dealer.

Specifications

Weight Capacity: 400 lbs. (181 kg)

Control: Constant pressure (armrest and two remotes)

Maximum Incline: 45 degrees

Seat Swivel: 0, 60 and 90 degrees at top; optional at bottom

Power Supply: 24VDC battery charger powered by 120V outlet

This custom curved rail stairlift has been tested to perform within the operating temperature range of 0° F (-18° C) to 125° F (52° C).

General Safety Tips

- Read and understand operating and safety precautions prior to using the stairlift.
- Clear stairs of objects before operating stairlift.
- Stay aware of surface onto which you are stepping as you get on/off the stairlift.
- Avoid carrying items on the stairlift which could hinder movement of the unit.
- Avoid loose clothing that could interfere with stairlift movement.
- Fasten positioning belt before operating stairlift.
- Ensure seat is locked in the correct riding position.
- Lock the swivel seat in place before getting on/off the stairlift
- Avoid cleaning the stairlift with a high-pressure washer
- Lean toward the upstairs for the smoothest ride if you cannot remain seated upright.
- Avoid using stairlift if lightening has occurred within previous 20 minutes.

Non-ambulatory users: Carry a cellular or an emergency communication device when riding the stairlift alone in the house.

Safety Features

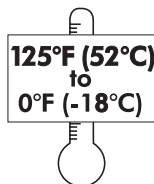
Speed: The stairlift is designed to travel down the stairway at a slightly slower speed than traveling up.

Obstruction sensors: Sensors in the stairlift footrest will stop the carriage if an obstacle is encountered on the stairs. If this should occur, press the opposite side of the armrest control switch to run the carriage in the opposite direction. Clear the obstacle and resume travel.

Power outage: Your stairlift is battery powered and will operate for some time during a power outage, depending on the battery condition, length of stairs and weight of rider. Only in the event of a prolonged power outage – more than one hour – will it be necessary to turn the power off (circuit breaker switch on the carriage) and turn off or unplug the charger from the wall outlet to conserve battery charge.

Note: After a harsh winter, especially if the stairlift has not been used for an extended period of time, contact a Bruno dealer to inspect the unit before putting stairlift back in service.

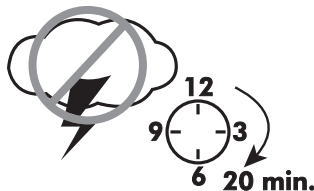
Do not operate stairlift outside of normal operating temperature range: 0°F (-18°C) to 125°F (52°).



This stairlift is not a toy. It must be used under adult supervision.



Do not use stairlift within 20 minutes of the last indication of lightning.



Slippery when wet or icy.



OPERATION

Bruno's stairlift features a "soft-start," preventing the unit from moving abruptly after the armrest control switch is pressed. Press and hold the armrest control to begin the gentle acceleration of the stairlift to operating speed. The stairlift will automatically stop at the upper or lower end of the rail or when the armrest control is released.

Units equipped with an arm rest key switch: Turning the key to the OFF position will disable the unit and the remote call/send transmitters.

How to Operate Your Bruno Stairlift

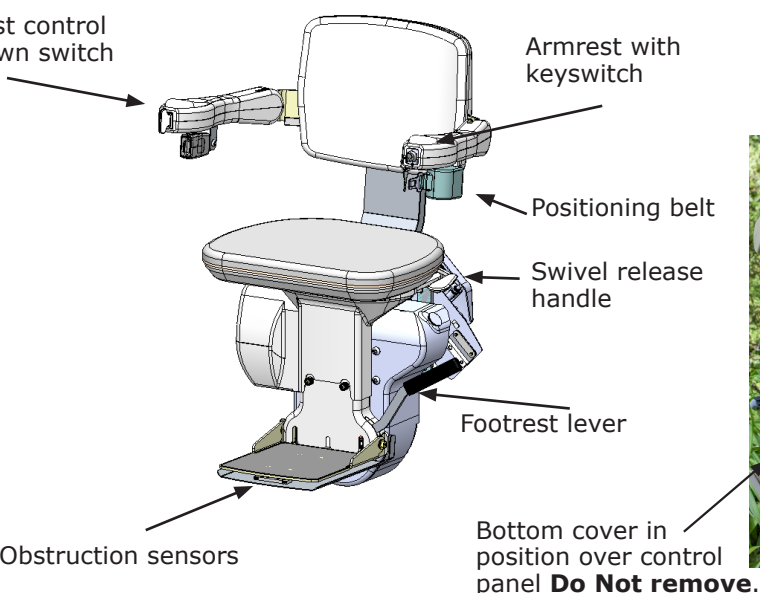
- Loosen drawstring and remove the top seat cover of stairlift
- Ensure the seat is in the proper riding position: rider back to the stairway wall
 - Raise and hold the seat swivel lever to rotate the seat to the "riding position," if needed.
 - Release the seat swivel lever to secure seat. The stairlift will not operate unless the seat is locked in the "riding position," a right angle to the rail.
- Fasten the positioning belt.
- Position both feet on the footrest and arms on armrest cushions.
- Turn the key to ON position.
- Press and hold armrest control switch to travel up or down the rail.
- Release armrest control switch when you have reached the top/bottom landing.
- Raise and hold the seat swivel lever at top landing; rotate the seat to desired position.
- Release seat swivel lever and allow seat to lock in position.
- Unbuckle positioning belt and carefully exit the seat.
- Fold armrests, seat and footrest after use, if preferred.
- Turn the key to OFF position.
- Keep seat dry by placing cover over seat and tighten drawstring
- Fold and store the top cover under seat if not used.

Note: Never remove the bottom carriage covers, except for service.

Wireless Remote Operation

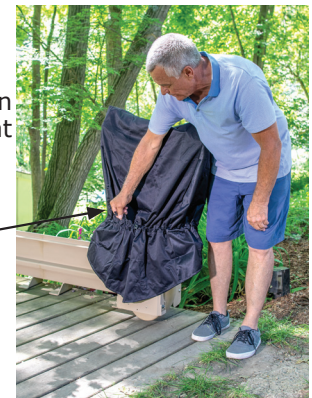
You may also move your stairlift by using one of two remote controls included with your Bruno stairlifts.

Do not use the remote controls to move the stairlift when a rider is on the seat.



Top cover in position over seat

Drawstring



Storage pouch for seat cover

Bottom covers in position over motor
Do not Remove.

OPERATION

Standard Swivel Seat

Swivel Positions: The Elite Curve seat, with standard armrests, swivels a total of 135 degrees. The seat locks in three positions: the center "home" position and 60 and 90 degrees at the top landing. (Some installations allow the chair to swivel 45 degrees to the bottom landing.)

How to Rotate Seat: Swivel the seat at the top landing to safely exit away from the steps. Lift the release handle located under the seat (on either side of the chair). Once the swivel lever is released, the seat will lock in the closest 60- or 90-degree position

Flip-Up Seat: Save space on your stairs when your stairlift is not in use by flipping up the seat and armrests.

Mid-Park Position Option

The mid-park position option allows you to park and charge the stairlift at a position between two ends of the rail.

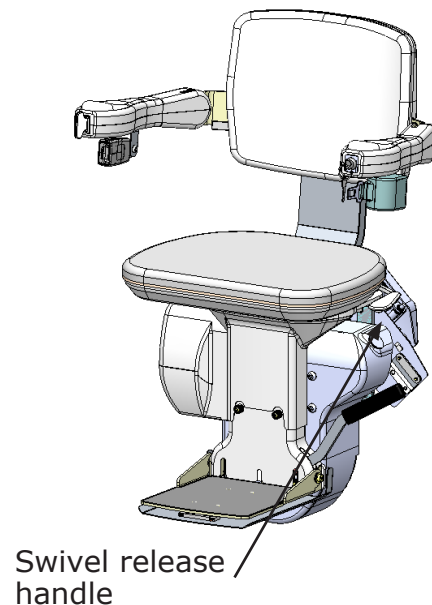
- Turn the armrest control key ON
 - Press the armrest control switch to move the stairlift up/down the rail
- OR

- Turn the key ON the remote -control box
- Press the remote control UP/DOWN to move the stairlift

The stairlift will always stop and beep once it reaches the mid-park position.

- Resume travel to the top/bottom of stairs.
- Release armrest control switch or remote button when you arrive at top or bottom landing.

The stairlift seat will again stop and beep to indicate the end of travel.

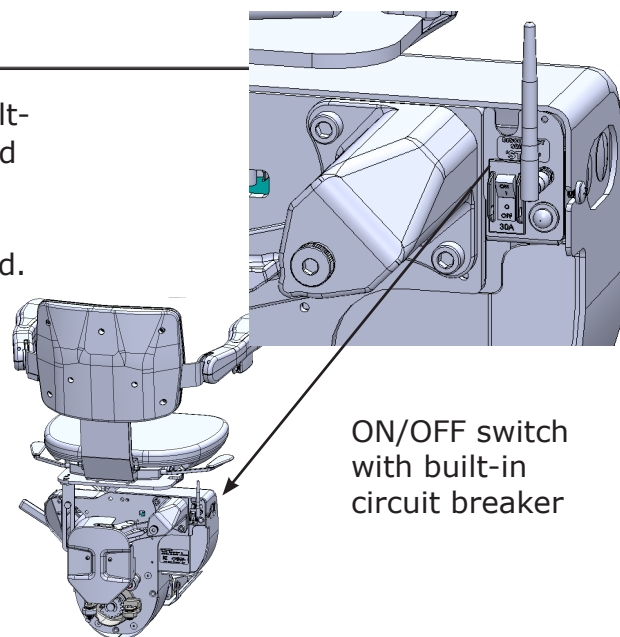


CIRCUIT BREAKER

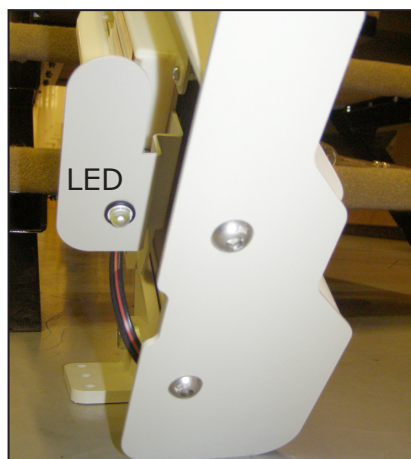
Note: The stairlift includes an ON/OFF switch with a built-in circuit breaker that protects the battery, controller and motor circuits in the stairlift carriage. It is unlikely the circuit breaker will trip. However, if the stairlift becomes inoperative, check the circuit breaker and reset if needed.

Possible causes of circuit breaker tripping:

- Foreign object jamming the rail or gear rack.
- Exceeding the rated weight capacity of the stairlift.



CHARGING and DIAGNOSTIC CODES (under the seat)



Glowing LED = charging

Keeping Stairlift Charged

Bruno's curved stairlift are powered by two 12v batteries that charge when the lift is parked tightly against the brackets at either end of the rail. If the stairlift carriage does not contact the upper or lower charge brackets, the batteries will slowly drain.

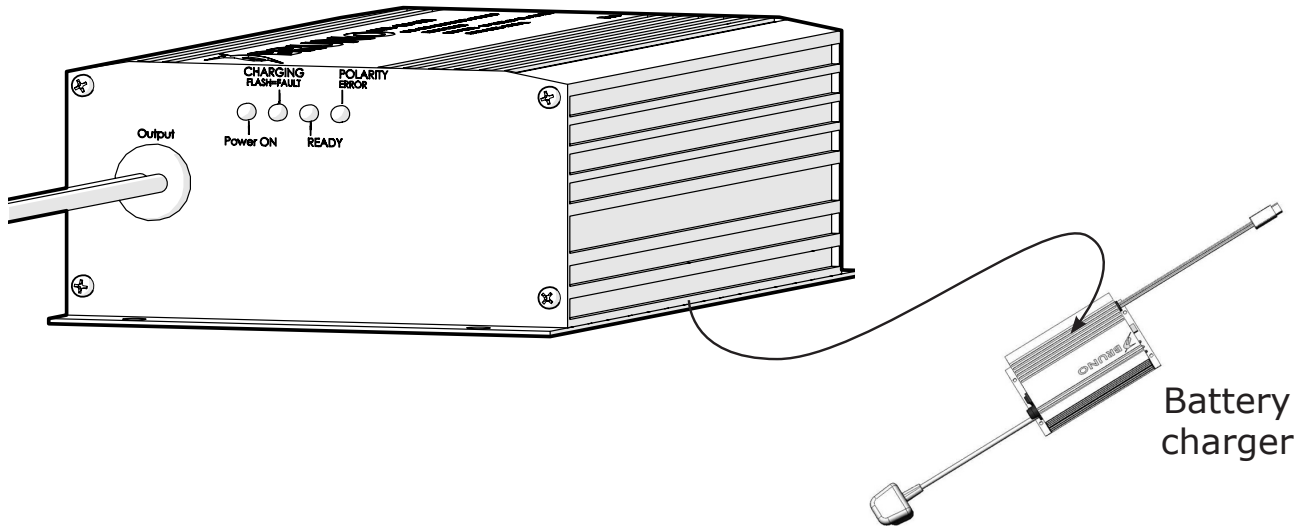
Failure to keep the batteries charged, or allowing them to fully discharge, will significantly shorten battery life. Therefore, it is important to park the stairlift at either end of the rail.

A yellow LED light glows on the upper and lower charge brackets if the stairlift is correctly parked and charging. If you cannot park at one end of the stairs (for example, a door prevents it), use the remote control to "send" the stairlift to the end of the rail to stay in contact with the charge bracket. Then, use the remote to "call" the stairlift when you need it.

Diagnostic Codes - Under the seat

C1	Charging
C2	Off Charge
C3	Off Charge and Not Parked
C4	Parked and Charger Not Detected
C5	Battery Voltage Critical
C6	Battery Voltage Low
L1	Seat Safety Switch Open
L2	Up Limit Switch Open
L3	Down Limit Switch Open
L6	Mid-Rail Park Active
L8	Soft Stop Switch

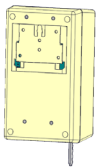
BATTERY CHARGER LEDS



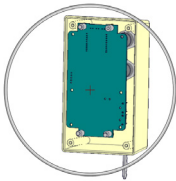
RED	YELLOW	GREEN	BLUE	STATUS
ON	ON (< 1 sec.) OFF	OFF	OFF	charger not connected to battery
ON (<5 sec.) ON ON	ON (<5 sec.) OFF OFF	ON (<5 sec.) BLINK (5 sec.) OFF	OFF	battery disconnect situation detected; 5-second delay until yellow and green LED's completely off
ON	ON	OFF	OFF	charger delivering maximum current (2.2A)
ON	ON	OFF	OFF	charger at maximum voltage; current continues to drop
ON	OFF	ON	OFF	batteries fully charged; yellow LED occasionally turns off
ON	BLINKS ALTERNATELY	BLINKS ALTERNATELY	OFF	low voltage indication
BLINKS ALTERNATELY	BLINKS ALTERNATELY	OFF	OFF	battery defective or heavily sulfated
ON	OFF	FAST BLINK	OFF	partially open circuit; bad contact or battery sulfation
			ON	battery connector reversed

Note: The battery charger is designed to be mounted in a temperature-controlled, dry location. If it has to be exposed to water, do not use until inspected.

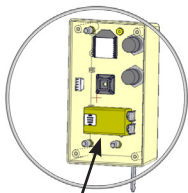
MAINTENANCE TIPS



Rear of transmitter



Rear of transmitter
with 1 rear cover
removed



9V battery

Remote Battery Replacement

- Detach transmitter from the wall.
- Remove the rear cover.
- Remove old battery and replace with new 9v battery (replace annually).
- Remount transmitter on the wall.

General Maintenance Tips

- Keep the rail channel clean and free of debris.
- Park the stairlift at one end of the rail when not in use to keep batteries charged.
- Keep battery charger plugged into a live outlet.
- Contact your Bruno dealer annually to have the stairlift examined, cleaned and lubricated.

Note: Scratches to paint during handling, installation or normal use should be retouched using paint available through your Bruno dealer. Inspect painted surfaces for scratches upon receipt, after installation, and once a year. Failure to touch up scratches that cause limited rusting may void the warranty.

Vacation and Long-Term Storage

- Turn off the circuit breaker (ON/OFF switch near the seat).
- Remove all keys (remotes and armrest keyswitch) and store in safe location.
- Remove batteries from and store according to battery manufacturer's instruction.
- Unplug battery charger from wall outlet and store indoors.
- Place cover over the stairlift and tighten the drawstring.

Once you are ready for the stairlift to return to action, take the following steps:

- Have batteries reinstalled in the CRE-2110 E.
- Loosen seat cover drawstring and remove cover.
- Clean, dirt and moisture from the seat and carriage.
- Have fresh coat of grease applied to gear rack.
- Insert keys in the armrest keyswitch and remotes.
- Turn on the circuit breaker (ON/OFF switch near the seat).
- Reconnect the battery charger to an AC outlet.
- Run the stairlift up and down the rail several times to verify correct operation.

Note: Batteries may require recharging before normal use if the stairlift was unused for an extended period of time. To recharge, turn on the circuit breaker, reconnect the charger to the wall outlet and wait until the charger LED light turns green to indicate the batteries are fully charged.

Stairlift Operates Very Slowly

If the batteries on your stairlift are low, the stairlift will move slowly or slowly and/or stop. If possible, bring your stairlift down to the “charging” position at the top or bottom of the rail to recharge. Partially charged batteries will allow the stairlift to go down the rail but not up. If the stairlift continues to run slow or stops, please contact a Bruno dealer to replace batteries.

Stairlift Will Not Operate

- Check the LED lights on the charger.
 - Green light shows batteries fully charged.
 - Yellow light means stairlift is charging.
 - Red light depicts charger receiving electricity, but stairlift not receiving power. For example, the stairlift might not be resting on the charge strips, the charge strips may be dirty or a wire is disconnected between charger and rail.

Possible Electrical Issues:

- Check on/off switch on the side of the stairlift seat to make sure it’s in the “on” position. Flip switch “on/off” to reset.
- Look at diagnostic display under seat. Press an arm switch or remote. If nothing displays, there is no power to the unit.
- Validate the stairlift charger is plugged into a wall outlet.
- Ensure the wall outlet is working by hooking up a lamp or other device.
- Check that a main circuit breaker in your home has not been tripped or fuse blown (in fuse box of your home).
- Inspect that the cord is not plugged into a “switched” outlet that only receives current when light switch is turned on.

Keyed Stairlift Units: Make sure key is in “on” position.

Possible Safety Trigger:

- Clear stairs of any objects that may cause the obstruction safety sensors in footrest to stop lift.

Bruno Dealer

Please call your local Bruno dealer for annual maintenance on your stairlift or if you need other service on your Elite Curved stairlift.

BRUNO GOLD LIMITED WARRANTY FOR STAIRLIFT

OUTDOOR
CRE-SRE

5 Years Major Components — 2 Year Parts

Bruno Independent Living Aids, Inc. (Bruno) is confident in its USA-designed and built stairlift units and is pleased to provide the Original Purchaser of a Bruno Stairlift with the following "Industry Leading" warranty. The quality of parts used, along with the care of Bruno's employees in constructing Bruno's products, allow Bruno to provide the following warranty coverage to the Original Purchaser of the Bruno Stairlift:

- All Parts, other than Major Components, are/will be free of defects in material and workmanship for a period of **two (2) years** after the date of installation by a Bruno Authorized Dealer.
- All Major Components, including the motor, gearbox, drivetrain, and rail system of the Bruno Stairlift, are/will be free of defects in material and workmanship for **five (5) years** after the date of installation by a Bruno Authorized Dealer. Major components do not include optional equipment.
- All labor, to be provided by a Bruno Authorized Dealer, to address any defect of the Bruno Stairlift is covered for the first thirty (30) days after installation thereof by a Bruno Authorized Dealer.
- All Bruno warranties begin on the date of installation of the Bruno Stairlift by a Bruno Authorized Dealer, but that date should be no later than 14 months after it was shipped from the factory.

Bruno Authorized Dealers are trained to evaluate your unique situation and then install the best Bruno Stairlift to meet your needs. The trained installation and service technicians employed by a Bruno Authorized Dealer have the appropriate equipment and resources needed to correctly install and maintain the Bruno Stairlift and should be the first contact for any warranty or service needs.

What Is Not Warranty Coverage:

- Damage to units caused by misuse, abuse, accidents, neglect or modifications NOT made by a Bruno Authorized Dealer.
- Consumable items such as remote batteries.
- All labor by a Bruno Authorized Dealer after the first 30 days since installation.
- Reasonable wear and tear.
- Cosmetic damage not affecting the operation of the unit

Additional Notes:

All Service and Warranty issues are handled through the Bruno Authorized Dealer that installed the unit.

- In no event shall Bruno be responsible for indirect, incidental or consequential damages, whether such damages arise based on claims based on contract, warranty, tort (including negligence, strict liability or product liability).
- Bruno reserves the right to replace, repair or, if not commercially practical and/or feasible, to elect to refund the purchase price at its sole discretion.
- This warranty gives the original buyer specific legal rights, and you may also have other rights which vary from state to state. Bruno specifically does not authorize any person to extend the time or scope of this warranty.

For further information regarding this limited warranty, please contact Bruno by using the contact information shown below:

North America

Bruno Independent Living Aids, Inc.
Attn: Service Department
1780 Executive Drive
Oconomowoc, WI 53066
United States
Tel. 1-800-882-8183 toll free

UK and Europe

Bruno
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