



NEXT

STAIRLIFT WITH PLATFORM

User and maintenance manual

INSTRUCTIONS TRANSLATED FROM ITALIAN

MADE IN ITALY

A horizontal graphic consisting of three colored bars: green on the left, white in the middle, and red on the right, representing the Italian flag.

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Section 1 Identification and general criteria

1.1 Machine identification

Identification plate of the machine:



Photo 1.1

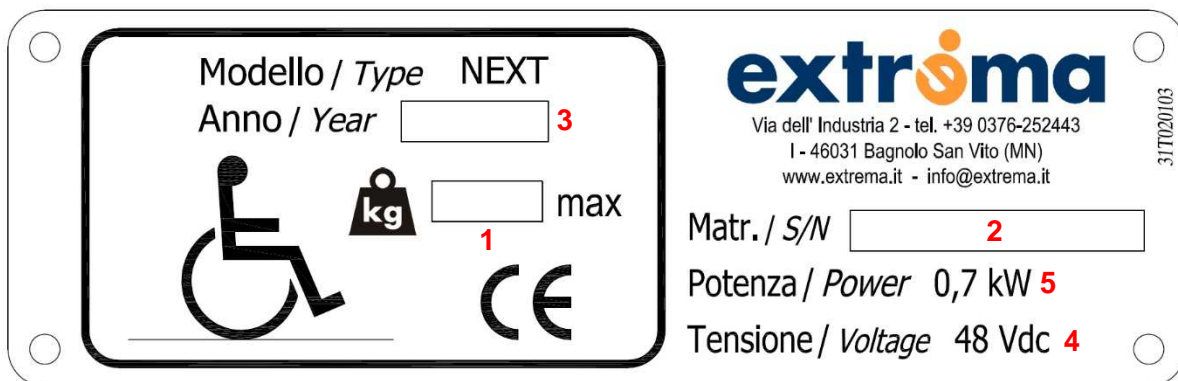


Photo 1.2

REF.	TEXT	DESCRIPTION
1	Payload	Platform payload
2	Serial	Serial number
3	Year of manufacture	Construction year of the machine
4	Voltage	Voltage of on-board circuits
5	Power	Installed power

1.2 General Warnings

The information that follows is an integral part of the machine.

Particular attention must be paid to the information contained in this manual as it provides important information regarding safety.






These instructions must be conserved and made known to anyone who uses the machine.

The information contained in this manual may be subject to correction without prior notice, in the event of changes to machine specifications or regulations, and may differ from the product. If differences between the specifications of the stairlift and this manual are observed or there are any queries regarding its contents, contact customer services.







The inserted images are for illustrative purposes and may vary slightly from the actual device.

Extrema S.r.l. assumes no responsibility for any damage resulting from the supply, performance or use of this manual.

1.2.1 Symbols used

	CAUTION: <i>Warnings and/or safety rules and/or regulations important to ensure safety. Moreover, indicates situations of risk regarding tools and/or components.</i>
	PRECAUTIONS: <i>Additional information and/or requirements to ensure safety during operation.</i>
	<i>Indicates critical components for safety in the figures and images in this manual.</i>
	<i>Indicates the predetermined life of the components or those subject to wear, in the figures and images in this manual.</i>
	Note: <i>Provides further information on the subject.</i>


EXAMPLES OF SYMBOLS FOR SPECIFIC HAZARDS

	<i>Fire hazard</i>		<i>Falling and/or slipping hazard</i>
	<i>Electrocution hazard</i>		<i>Limb crushing hazard</i>
	<i>Suspended load hazard</i>		<i>Falling against objects hazard</i>

Other signs, symbols and pictograms will be illustrated in the sections where they will be used for the first time.

Section 2 General information

2.1 General safety warning

	<p>CAUTION: <i>This symbol accompanies a number of essential safety instructions. The observance of these instructions does not exempt users from the observance of all the others.</i></p>
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The following precautions are an integral part of the product. Particular attention must be paid to the information contained in this manual as it provides important information regarding safety of the system. These instructions must be conserved in the vicinity of the stairlift and made known to anyone who uses the machine.

This device must be used for the purpose for which it was specifically designed and any other use is considered improper and therefore hazardous.

The final user of the stairlift is always fully responsible for compliance with the safety requirements and directives of the installation site, as well as the suitability of the same for the installation of the stairlift.

The manufacturer cannot be held responsible for any damage caused by improper, erroneous and unreasonable use.

Children must not be allowed to play or be within the machine's range of action. Do not allow children to use the machine unless accompanied.


Do not attempt to repair or intervene directly and contact only authorised personnel who have been adequately trained.


All maintenance and repair should be performed only by authorised personnel who have been adequately trained. To ensure the efficiency and correct operation of the system, it is essential to follow the manufacturer's instructions, executing periodic maintenance performed by authorised and adequately trained personnel. In particular, periodical controls are recommended of the correct operation of all safety devices. All installation, maintenance and repair should be documented and made available to the user.


The machine must always be conducted by an ADULT, who has been informed of all operating functions and precautions provided for in this manual.


Failure to comply with the above may lead to injury to persons or damage.

All users must make every effort to understand the characteristics of the machine including, where necessary, reading and coordinating the relevant operating instructions and drafting reports on controls.

	<p>CAUTION: <i>Before operating the stairlift the following should be known:</i></p> <ul style="list-style-type: none"> ❖ <i>the stairlift platform;</i> ❖ <i>the operating Instructions;</i> ❖ <i>the safety instructions in this manual.</i>
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	<p>CAUTION: <i>Do not use the stairlift if there are no persons nearby who are fully aware of the manual emergency procedures. The system must be operated by persons considered physically and mentally fit and who are aware of the procedures, the operating instructions and equipment.</i></p>
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	<p>CAUTION: <i>The machine should always be left on, excluding periods of inactivity.</i></p>
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	<p>CAUTION: <i>In the case of harsh climates, it is always necessary to carry out a dry run to make sure the system works correctly and to remove any ice that may have formed between the moving parts and the guide.</i></p>
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2.2 Terms and Definitions

This paragraph outlines the meaning of certain terms that are not in common use.

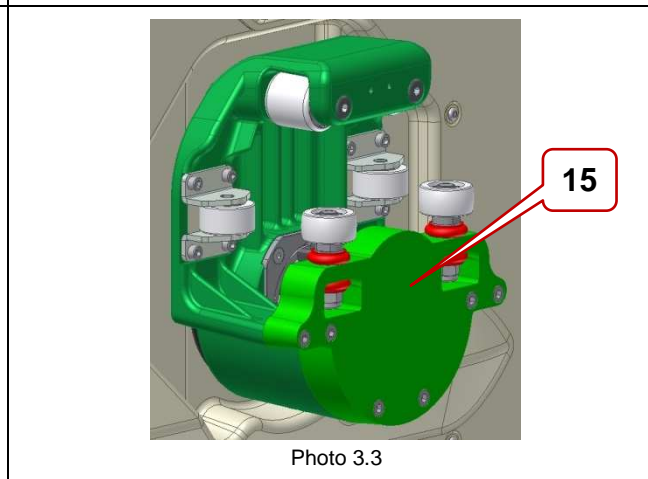
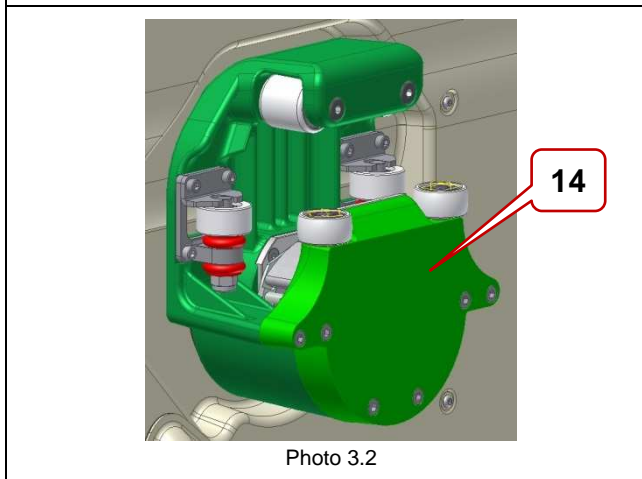
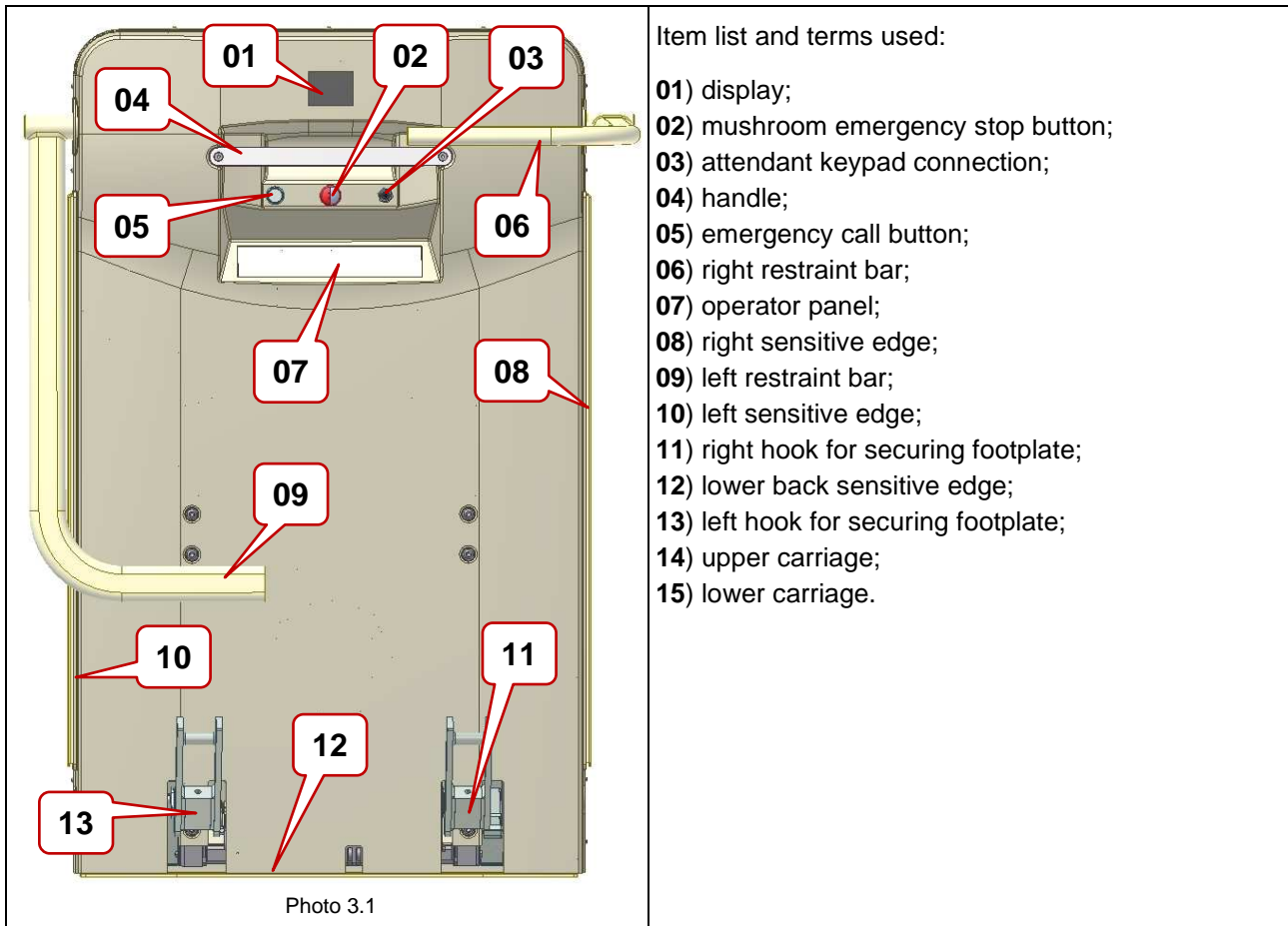
<i>TERM</i>	<i>DEFINITION</i>
HAZARD AREA	Area under the platform or around it, in which the presence of a person, or a part thereof, constitutes a risk to the safety and health of the person.
EXPOSED PERSON	Person who is located in the eventual passage area of the machine, entirely or in part, or in the closing/opening of the machine.
REQUIREMENTS OF THE ATTENDANT	Minimum level of competence that the operator must possess in order to perform the described operation.
RESIDUAL RISK	A risk that it has not been possible to eliminate or sufficiently reduce through design, against which the protection is not (or are not fully) effective; the manual provides information of its existence and the instructions and warnings to enable them to be overridden.
SAFETY COMPONENT	Signifies a component used to ensure a safety function and whose failure or malfunction may affect the safety or health of exposed persons.
HOUSING	Word used in technical practice to indicate a covering.
P.P.E.	Personal protective equipment (gloves, masks, goggles, shoes, etc.).
PROTECTION	Safety measures consisting in the use of specific technical equipment, called protection (guards, safety devices), to protect people from the hazards that cannot be reasonably eliminated or sufficiently limited by design.
GUARD	Element of a machine used specifically to provide protection by means of a physical barrier. Depending on its construction, a guard can be called: cap, cover, screen, door, fence, etc.
PLATFORM	Is the supporting structure of the wheelchair and/or carried passenger and has a high-level non-slip finish. Is hinged to the machine to allow the closure controlled electrically or manually (manual version).
HINGED RAMP	Side of the platform. Is hinged to allow lowering and to form an inclined plane of access to or descent of the wheelchair from the platform itself.
SENSITIVE EDGE	Is a protection device sensitive to pressure or traction, because it is connected to a device that stops the operation of the machine.
RESTRAINT BAR	Bar arranged horizontally in the safety position, to prevent the fall of the wheelchair from the platform or the passenger. There are 3 positions: - Vertically downward to allow the closure of the platform; - Horizontally to prevent the wheelchair or passenger from falling or sliding out; - Vertically upward to allow access or the descent of the wheelchair or the passenger.
SUSTAINED ACTION BUTTONS	Signifies that the button needs to be depressed until to maintain the required action.

Section 3 Machine description

TITLE	DESCRIPTION
Intended use of the machine	The “NEXT” stairlift platform is designed to transport people with limited mobility, seated on a wheelchair with large rear wheels and small front pivoting wheels, positioned front facing. Alternatively, it can also be used by a person seated on a special folding seat attached to the machine body (optional). Maximum payload 300 kg.
NON-intended use of the machine	Transport of goods of any kind. Motive power generator suitable for handling loads of a different nature from those indicated above.
Incorrect and/or unreasonable machine use	Use in standing position. Access or exiting when the stairlift is not completely stationary. Using the stairlift in the presence of obstacles on route.
Machine description	<p>Structure The structure consists of the main supporting frame to which are secured: containment bars, motion carriages, traction assembly, control panel and platform. The frame is constantly maintained in a vertical position. Its task is to withstand all the forces developed during normal use of the stairlift or in case of emergency stop.</p> <p>Containment Bar Assembly The containment bar assembly comprises an electric motor, a gear motor, levers and a drive shaft to which is anchored the bar. This component allows, in an automatic way, the opening or closing of the containment bars, so as to allow the ascent or descent of the user. It must also withstand the stresses generated by the user in normal use or in the event of a fall.</p> <p>Carriage Assembly The carriages are devices secured to the frame by means of hollow shafts. They can rotate independently of each other around the hollow shaft within a certain range of angles. They are responsible for the motion of the entire stairlift, since they contain the supporting rollers and ensure a solid bond between the unit and the guides. The upper carriage contains the emergency stop system while the lower one contains the pinion for traction.</p> <p>Traction Assembly The traction assembly comprises a brushless motor, a worm gear and a cascade of gears that operates a further reduction stage. It is entrusted with the generation of the driving power to handle the entire stairlift.</p> <p>Control Panel The control panel is the interface between the user and the stairlift management software. The special buttons allow the operation of all the functions available. There is an emergency button that can stop the stairlift in a hazardous situation. The control panel can be accessed from the machine configuration menu.</p>

3.1 Component Identification

3.1.1 Stairlift



3.1.2 Platform



Photo 3.4

Item list and terms used:

- 16) left ramp tie-rod and bellows;
- 17) right ramp tie-rod and bellows;
- 18) right ramp;
- 19) left ramp;
- 20) platform deck;
- 21) double-bottom platform;
- 22) sill.

3.1.3 Guides and supports

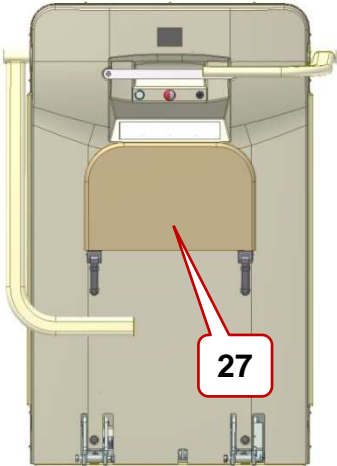
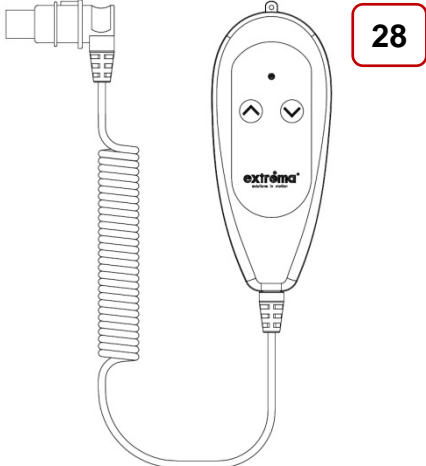
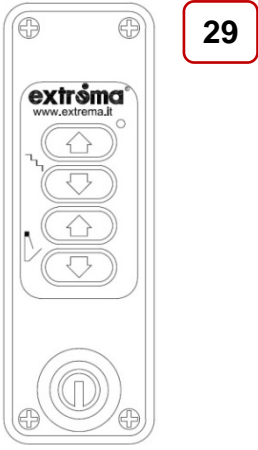




Photo 3.5

Item list and terms used:

- 23) upper guide;
- 24) lower guide;
- 25) gear rack;
- 26) guide support.

3.1.4 Accessories

 <p>Photo 3.6</p>	 <p>Photo 3.7</p>
 <p>Photo 3.8</p>	 <p>Photo 3.9</p>
 <p>Photo 3.10</p>	<p>Item list and terms used:</p> <ul style="list-style-type: none"> 27) seat (optional); 28) attendant keypad; 29) floor keypad; 30) ramp for front access (optional); 31) protective cap for outdoor installations (optional).

Section 4 Safety of the system

The “NEXT” stairlift platform is designed to transport people with limited mobility, seated on a wheelchair with large rear wheels and small front pivoting wheels, positioned front facing.

Alternatively, it can also be used by a person seated on a special folding seat attached to the machine body (optional). In all cases, the system can be used by only one person at a time.

The use of the stairlift is permitted only to adults who are adequately trained to use it and who are aware of the contents of this manual.

The use of the stairlift by children under 12 years (art. 17 of Presidential Decree 162), or dependent persons with serious psychological or physical disability, is allowed only under the supervision of an adequately trained adult.

Do not use the lift to transport animals or objects.

The load carried must not exceed the maximum weight shown on the plate under “PAYLOAD”.

To use the stairlift, carry out the operations described below in this manual.

To prevent hazardous situations from developing, the system operator must ensure proper lighting of rooms and staircases where the stairlift is installed.

Before each use, check that the stairs, the guides of the stairlift and the transit zone are free of obstacles.

If using loose clothing such as scarves, jackets, skirts, etc., use the utmost care not to become caught in the moving parts of the stairlift.

While using the stairlift:

- do not stand up;
- sit straight and do not lean forward, backward or to the side;
- do not rock and avoid any unnecessary movements;
- do not lean on the barriers.

if the user is in a wheelchair, apply the wheelchair brakes after the user has boarded.

Do not insert limbs or objects (umbrellas or walkers) in the spaces between the fixed parts and those in motion.

Do not rest hands on the guides during the motion of the machine.

The stairlift is equipped with devices for automatic opening and closing of the parts and of the barriers. Do not manually force them to open or close.

Do not use the lift when there is a fire or flooding.

Refer immediately to the dealer in the event of any vibration or unusual sounds.

For outdoor installations, it is advisable to protect the stairlift from atmospheric agents and dust, in the event of long periods of inactivity.

Do not insert anything into holes or crevices.

Do not perform any unauthorised modifications.

The machine should always be left switched on, except in the cases expressly provided herein.

Perform regular system maintenance as instructed in this user manual.

Maintenance cannot be performed independently.

Maintenance must be performed only by adequately trained personnel and only where required in this manual.

Section 5 User interface

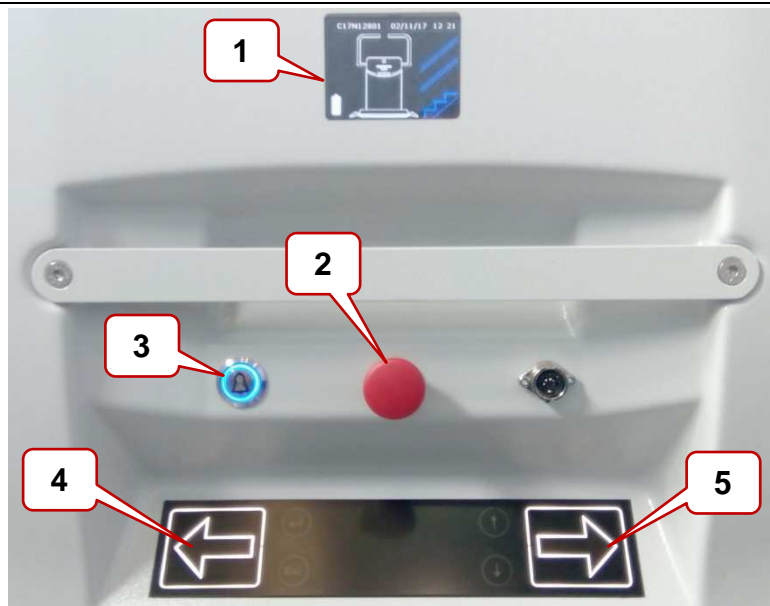
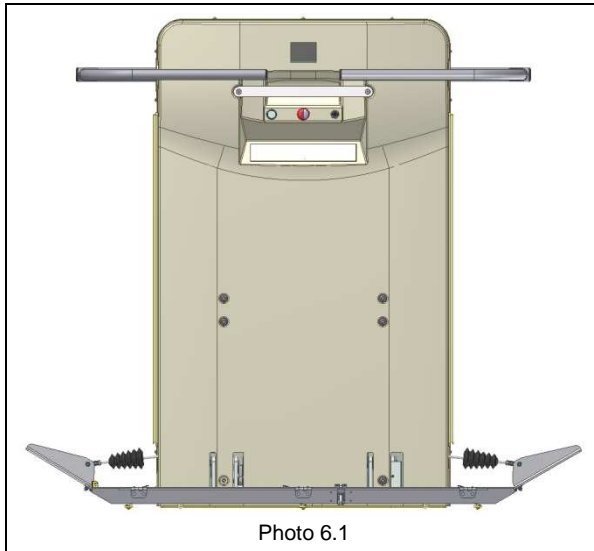


Photo 5.1

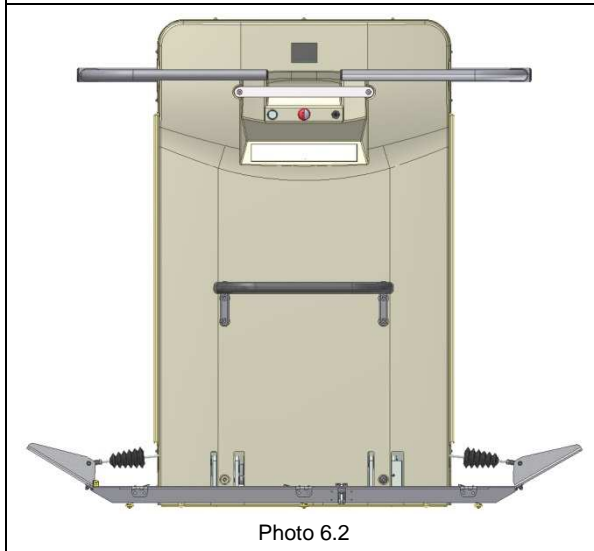
1	<p><u>COLOUR DISPLAY:</u> The function of the display is to transmit simple and intuitive information, responsive to the state of stairlift in real time.</p>
2	<p><u>EMERGENCY BUTTON WITH HOLD:</u> Press it to activate and stop the platform, whereas to deactivate it, turn it in the direction indicated by the arrows.</p>
3	<p><u>DISTRESS CALL BUTTON:</u> The distress call button can be pressed if the user on board needs assistance from a family member. For the entire duration in which pressure is maintained, it remains active with a buzzer that sounds continuously. If a GSM system is present, after three seconds of continuous pressure on the button, a preset or custom SMS is sent to the numbers stored in the appropriate section of the configuration menu. The distress call button is always active and illuminated.</p>
4	<p><u>DIRECTIONAL BUTTON “LEFT” CONSTANT PRESSURE:</u> 1. in the case of right-hand machine configuration the button controls ascent; 2. in the case of left-hand machine configuration the button controls descent. When the button is released the machine stops.</p>
5	<p><u>DIRECTIONAL BUTTON “RIGHT” CONSTANT PRESSURE:</u> 1. in the case of right-hand machine configuration the button controls descent; 2. in the case of left-hand machine configuration the button controls ascent. When the button is released the machine stops.</p>

Section 6 Intended use and non-intended use

6.1 Intended use of the stairlift



Transport of one person in a wheelchair with large rear wheels and small front pivoting wheels, positioned facing forward.



Alternatively, it can also be used by a single person seated on a special folding seat (optional), attached to the machine body, with shoulders close to the machine.

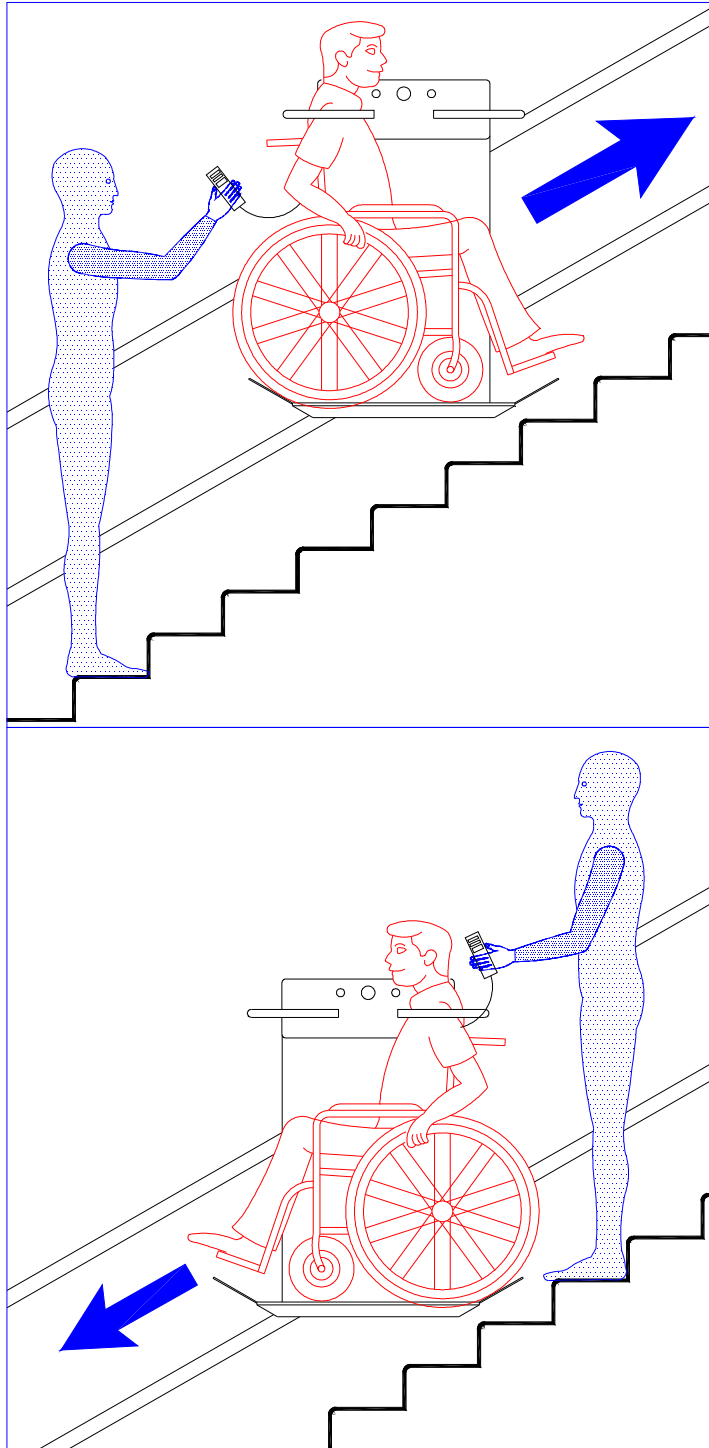
	<p>CAUTION: The system must be operated by persons considered physically and mentally fit and who are aware of the procedures to operate the machine.</p>
--	--



CAUTION:


If the person using the system is not autonomous, the manoeuvres must be performed by an attendant who:


- must use the appropriate attendant keypad (optional);
- must always be positioned on the side opposite to the direction of travel.





6.2 Unintended use of the stairlift

UNINTENDED USE	HAZARDS OR ARISING ISSUES
Manoeuvring the system by unauthorised persons	Falling hazard
Transport of two or more persons in a wheelchair	Falling hazard
Transport of one or more persons standing on the platform	Falling hazard
Transport of objects on the platform	Falling hazard of the object and damage to the platform transmission parts
Overloading the machine	Damage of the platform
Obstacles inserted between the parts of the guide or placed on the guide itself	Damage to the platform and the transmission system

	<p>CAUTION: Do not insert limbs or objects in the spaces between the fixed parts and those in motion. Do not rest hands on the guides during the motion of the machine. Do not insert liquids or objects into holes or crevices. Do not perform any unauthorised modifications.</p>
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	<p>CAUTION: Use the system in accordance with the above safety instructions.</p>
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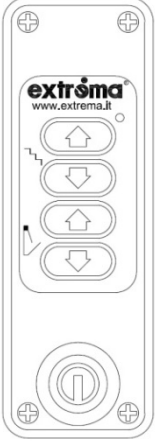
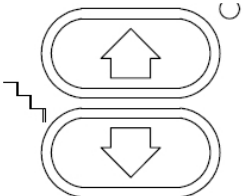
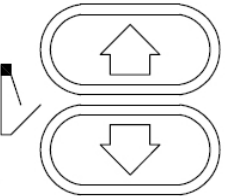
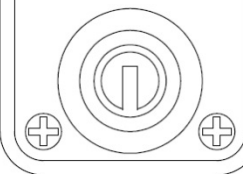
	<p>CAUTION: Read this manual carefully before any performing any procedures.</p>
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	<p>CAUTION: Arrange and keep this manual close to the machine.</p>
---	---

Section 7 Additional controls on the machine

Next stairlift, in addition to the controls located on the capacitive keypad, is equipped with push-buttons panels for remote control. They are also of the constant pressure type. If the button is released before completing the operation in progress, operation is interrupted. For any operation, buttons on the machine always have priority over other commands.

7.1 Level keypad

 <p>Photo 7.1</p>	<p>The floor keypad, positioned and secured in the vicinity of the floor stops, allows remote control of the machine.</p> <p>To enable operation, it is necessary to rotate the key switch, positioned on the front, in a clockwise direction.</p> <p>Gear buttons, footplate motion and bars, are sustained action (if the buttons are released before completing the operations, they are interrupted).</p>
 <p>Photo 7.2</p>	<p>Pressing and holding the buttons in image 7.2 and marked by the arrows, it is possible to “call” the machine by moving it from one stop to another when the footplate is closed.</p> <p>Pressing the arrow moves the machine from bottom to top.</p> <p>Pressing the down moves the machine from top to bottom.</p>
 <p>Photo 7.3</p>	<p>Pressing and holding the buttons in image 7.3 and marked by the arrows allows opening and closing of the footplate when the machine is stationary at the stops (ensure to perform these operations only when the footplate is not loaded).</p> <p>Pressing the arrow upwards controls the closing of the footplate.</p> <p>Pressing the arrow downwards controls the opening of the footplate.</p>
 <p>Photo 7.4</p>	<p>The key switch enables operation of the keypad with the key inserted and rotated clockwise.</p> <p>The key may be removed only when the switch is placed in the off position, i.e. vertically (rotate anti-clockwise).</p>



CAUTION:

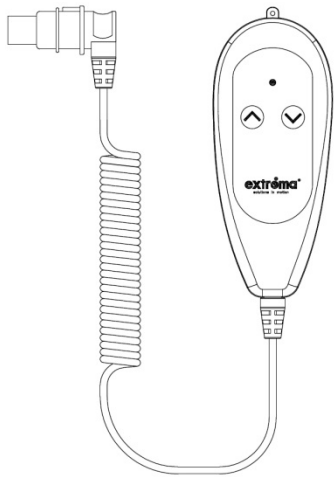


When opening or closing the footplate, ensure that there are no obstacles along the path of the footplate itself and pay attention not to insert fingers or other parts of the body between the moving parts. Ensure these operations are carried out only when the footplate is not loaded.





CAUTION:

Do not use the machine if the controls no longer respond to sustained action use.






7.2 Attendant keypad

 <p>Photo 7.5</p>	<p>The attendant keypad may be used by an attendant who accompanies the stairlift on foot if the user is not able to use the buttons on the machine, or by the user transported on the stairlift, as an alternative to the buttons on-board the machine.</p> <p>In the case of a user being transported on the special integrated seat (optional), the attendant keypad must be mounted on the system.</p> <p>If present, the attendant keypad may be removed by disconnecting the electrical connector positioned on the front, at the side of the emergency stop button.</p>
 <p>Photo 7.6</p>	<p>The buttons marked with arrows move the machine in the direction following the direction of the arrow of the button pressed. For example, by pressing the button with the arrow pointing upwards, the machine will move in the direction that makes the machine ascend towards the upper stop. The same applies for the button with the arrow pointing downwards.</p>
 <p>Photo 7.7</p>	<p>To connect the keypad, insert the connector into the socket located on the front of the stairlift, next to the emergency button.</p>

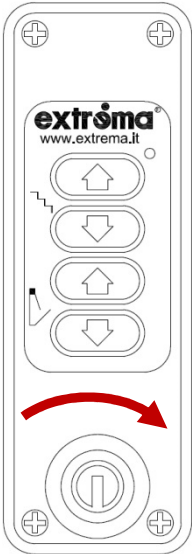

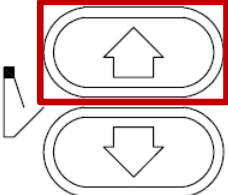
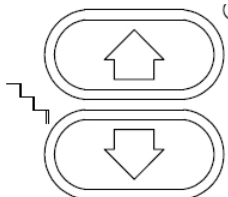
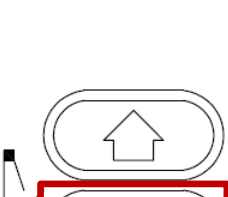
	<p>CAUTION: The attendant must follow the machine and stay on the side opposite to the direction of travel.</p>
	<p>CAUTION: Do not use the machine if the controls no longer respond to sustained action use.</p>

Section 8 Operation of the stairlift

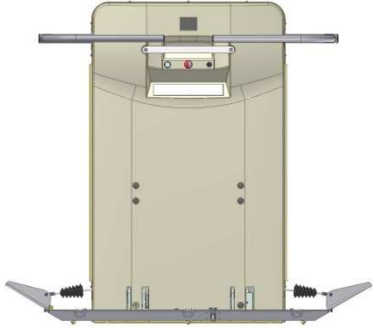


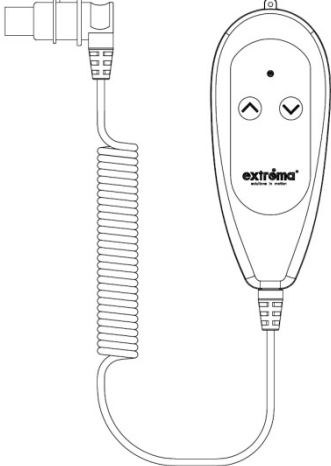
8.1 General warnings regarding use

	CAUTION: Before using the stairlift please read the safety instructions in this manual.
	CAUTION: Before transporting persons on the stairlift, the integrity and operability of the system must be checked.
	CAUTION: In the case of harsh climates, it is always necessary to carry out a dry run to make sure the system works correctly and to remove any ice that may have formed between the moving parts and the guide.
	CAUTION: Do not use the system if there are no persons nearby who are fully aware of the manual emergency procedures.
	CAUTION: The machine should always be left on, excluding long periods of inactivity.

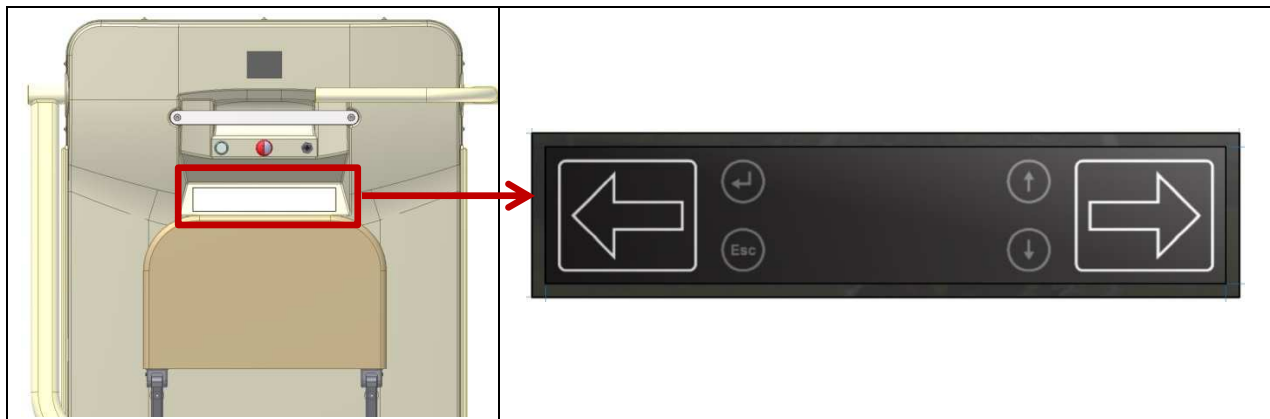
8.2 Opening/closing the platform and enabling floor commands

 <p>Photo 8.1</p>	<p>If the user is not at the same stop where the machine is located, the floor keypad must be enabled by turning the key clockwise.</p> <p> CAUTION: Ensure the stairs and the runway are free from the presence of people, animals or objects.</p>
 <p>Photo 8.2</p>	<p>If the machine is in the open position, press and hold the button to close it (image 8.2). The platform and the bars move in sequence to the rest position, with the bars positioned vertically downwards and the footplate positioned vertically upwards (ensure that these operations are carried out only when the footplate is not loaded). When the operation is completed, the run commands are enabled from the floor keypad.</p>
 <p>Photo 8.3</p>	<p>Pressing and holding the button will enable motion of the machine in the direction required; this will move towards the stop. (Image 8.3). Hold the button down until the machine comes to a standstill. Otherwise, the system safety devices will not allow subsequent operations to open the footplate. If the button is not continuously pressed, all motion is locked. It is, however, possible to resume operations simply by pressing the button once more.</p>
 <p>Photo 8.4</p>	<p>Press and hold the button on the floor keypad (image 8.4). With a predetermined sequence, in order to guarantee maximum user safety, the footplate opens and the protection bars, with the footplate access slides, are positioned in such a way as to allow the passenger to enter and prevent falling on the opposite side. The button must be pressed and held until the footplate, protection bars and access slides, are completely stationary. Otherwise, the system safety devices will not allow subsequent operations. If the button is not continuously pressed, all motion is locked. It is, however, possible to resume operations simply by pressing the button once more. In this position, the run commands are disabled from the floor keypad.</p>

8.3 User boarding

 <p>Photo 8.5</p>	<p>If the user is in a wheelchair, the user boards the footplate, positioning the wheelchair as close as possible to the backrest and away from the outer edges, so as to travel in maximum safety. After positioning, the user must apply ALL the brakes of the wheelchair.</p> <p> CAUTION: Check that all body parts are far from the range of all moving parts and that all brakes are locked.</p>
 <p>Photo 8.6</p>	<p>In the event of using the integrated seat (optional), the user must manually lower it and sit on it resting their back against the backrest.</p>
 <p>Photo 8.7</p>	<p>In the event of using the integrated seat, the user must hold the attendant keypad (image 8.7 - compulsory when there is an integrated seat), described in section 7.2, to perform any subsequent operations.</p>

8.4 Moving the stairlift with user on board

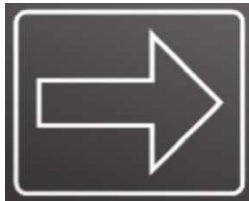


MOVEMENT BUTTONS ARE ALWAYS VISIBLE AND BACKLIT



“LEFT” DIRECTIONAL BUTTON FUNCTIONS:

1. in the case of right-hand machine configuration the button controls ascent;
2. in the case of left-hand machine configuration the button controls descent.



“RIGHT” DIRECTIONAL BUTTON FUNCTIONS:

1. in the case of right-hand machine configuration the button controls descent;
2. in the case of left-hand machine configuration the button controls ascent.

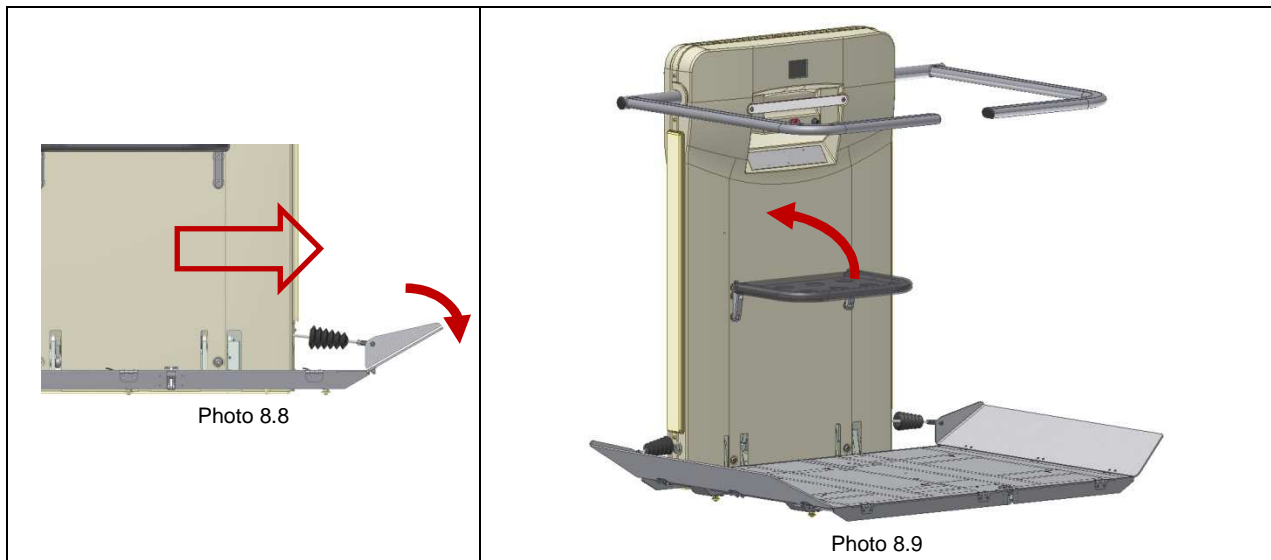


CAUTION:

Ensure the stairs and the runway are free from the presence of people, animals or objects.

- A)** Pressing and holding the button will enable motion of the machine in the direction required; this will move towards the stop.
- B)** Hold down the button until the machine comes to a complete standstill. Otherwise, the system safety devices will not allow the user to disembark. If the button is not continuously pressed, motion is locked. It is, however, possible to resume operations simply by pressing the button once more.
- C)** Near a stop, the machine will slow down until it stops completely.
- D)** Once at the stop, the protection bar is raised and the disembarking slide from the footplate is lowered, to allow the user to exit.
- E)** Near an intermediate stops, the machine slows to a stop and emits an audible signal.
- F)** If transportation is required beyond an intermediate stop, hold or release and press the desired direction button and the machine will begin moving again. Otherwise, wait for the complete opening of the protection bar.

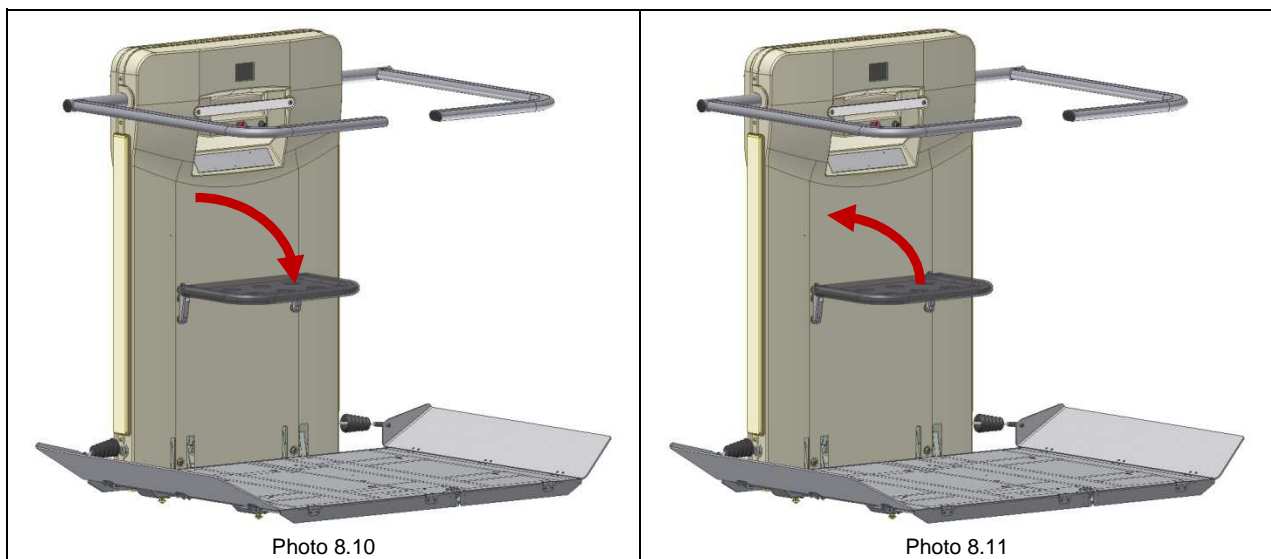
8.5 User disembarking



If the user is in a wheelchair, after disengaging the wheelchair brakes, the user can disembark from the stairlift from the open side (image 8.8).

In the event of using the integrated seat (optional), after disembarking, the user must manually close the seat (image 8.9) to allow further manoeuvres, such as the closing of the machine and calls from other floors.

8.6 Seat (optional)



An ergonomic seat may be installed on the Next stairlift in order to make each journey even safer and more comfortable.

During the trip, the person being transported must remain in an upright position with their backs against the backrest.

Hold the attendant keypad in one hand (mandatory in the case of integrated seat).

After transport close the folding seat manually (image 8.11).

8.7 Front access (optional)



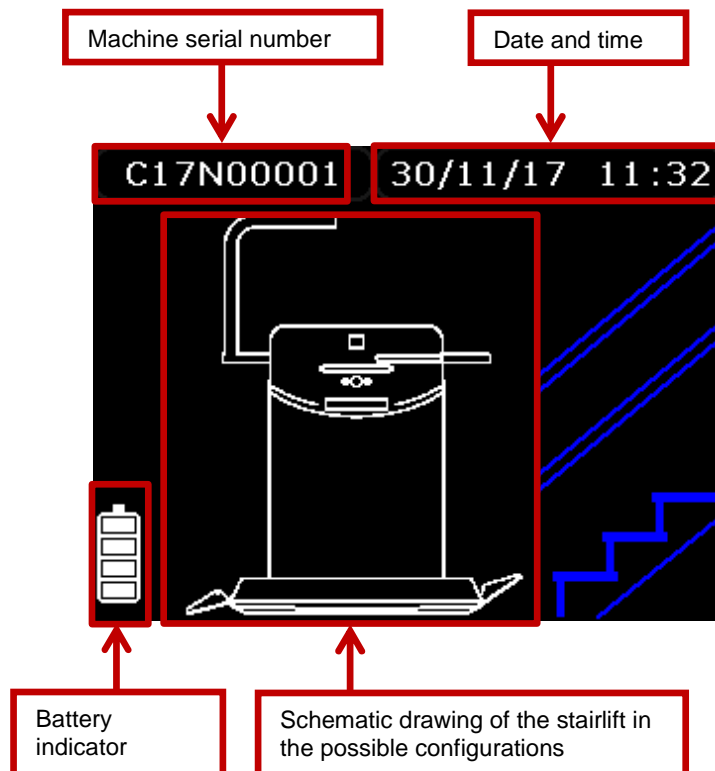
8.8 Colour display

8.8.1 Screen display during normal machine operation

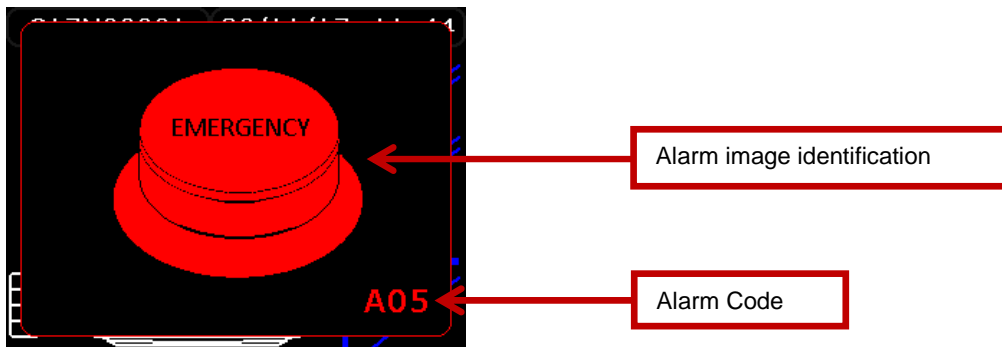
START-UP SCREEN



HOME SCREEN



8.8.2 Alarms



CODE	DESCRIPTION
A00	Identifies the absence of the PARAC signal caused by the intervention of the parachute. This signal remains indefinitely.
A01	Absence of parachute rolling signal.
A02	Identifies the absence of overrun signal. This signal remains indefinitely.
A03	Indicates the failure of a test during the sequence preceding the start of the traction motor.
A04	Indicates that a test on the Cpu-P failed: test edges sensitive to start-up.
A05	Identifies the mushroom emergency push pressure.
A06	Identifies the presence of an obstacle upstream side.
A07	Identifies the presence of an obstacle downstream side.
A08	Identifies the presence of an obstacle base bottom.
A09	Encoder alarm (speed) upstream bar.
A10	Encoder alarm (speed) downstream bar.
A11	Encoder alarm (speed) footplate.
A12	Encoder alarm (speed) front access.
A13	Encoder communication error or magnet absent upstream bar.
A14	Encoder communication error or magnet absent downstream bar.
A15	Encoder communication error or magnet absent footplate.
A16	Encoder communication error or magnet absent front access.
A17	Upstream bar safety sensor error (machine in cfg for passenger off floor but bar not secure).
A18	Downstream bar safety sensor error (machine in cfg for passenger off floor but bar not secure).
A19	Footplate safety sensor error (machine closed off floor but footplate not secure).
A20	Downstream front access safety sensor error (machine in cfg for passenger off floor but front access not secure).
A21	Indicates that the status of the safety microswitch is not consistent with that detected by the angle sensor, bar upstream.
A22	Indicates that the status of the safety microswitch is not consistent with that detected by the angle sensor, bar downstream.
A23	Indicates that the status of the safety microswitch is not consistent with that detected by the angle sensor, footplate.
A24	Indicates that the status of the safety microswitch is not consistent with that detected by the angle sensor, front access.

CODE	DESCRIPTION
A25	Upon departure from the floor, the floor sensor was pressed beyond the set time and is, therefore, probably faulty. Alternatively, this warning could be caused by the failure of the traction motor to function. This signal remains indefinitely.
A26	Indicates that the overload sensor was tripped.
A27	Traction motor current surge.
A28	Footplate motor current surge.
A29	Front access motor current surge.
A30	User command not congruous: indicates that motion has been requested but the machine has not been previously placed in a suitable configuration to begin.
A31	Indicates that a button is pressed unnecessarily and that is probably faulty.
A32	Battery voltage below 40 V threshold: low-speed motion.
A33	Battery voltage below the 38 V threshold: inhibited motion.
A34	Battery voltage 0 V: faulty MD_BL fuse.
A35	On-board motors turned off by Cpu-P.
A36	Indicates that a test on the Cpu-P failed: in particular, on the on-board circuit board in the safety section of the on-board actuator management.
A37	Indicates that the configuration dip-switches are acquired differently from Cpu-C and Cpu-P on the on-board circuit board.
A38	Indicates that there is a mismatch between the sw versions of the cpus.



CAUTION:

If one of the alarms shown in the respective table is displayed, immediately contact a specialised technician.

Section 9 Emergency manoeuvres



CAUTION:

The need to carry out the operations described below, indicates a fault or the intervention of one of the safety devices (parachute system or overrun).
As soon as the emergency manoeuvres have been performed, it is necessary to promptly ask for the intervention of the authorized assistance technical, in order to restore the functionality of the system.



CAUTION:

To put back the system in service it is necessary to ask for the intervention of authorized technical assistance.
DO NOT INTERVENE in an attempt to eliminate the anomalous situation that caused the emergency.



CAUTION:

We remind you that YOUR interventions, after an EMERGENCY condition occurred, are not authorised, therefore can damage the machine or alter the safety and consequently void the warranty.



CAUTION:

The following guidelines are the only possible and above all allow you to correctly intervene in case of an EMERGENCY condition.



CAUTION:

Do not use the system if there are no persons nearby who are fully aware of the manual emergency procedures.

9.1 Recovery of the transported person and disengagement of the runway in case of emergency



Image 9.1



Image 9.2

To recover the transported person, in cases of failure or in cases the parachute system or the overrun device intervene, proceed as follows:

- identify the safety bar to open; the bar on the fall side must remain in the safety position (90°);
- manually push the bar concerned upwards in order to create the space necessary for the descent of the user;
- recover the transported person.

To disengage the runway, after having recovered the transported person, proceed as follows:

- manually push the platform upwards up to a position of 45°;
- manually push the containment bars down and bring them as closer as possible to the backrest;
- manually push the foot board upwards and put it as much as possible near to the bars closed.



NOTE - INFORMATION:

If the operation is not carried out on one of the stops, it is necessary to pay even greater attention.



CAUTION Danger of falling:

Only lift the bar facing the high part of the path.



CAUTION: to restore the correct use of the machine, please contact the Customer Service.

9.2 Recovery manoeuvres after the impact against an obstacle

When the machine encounters an obstacle while travelling, the sensors detect the impact causing the immediate stop of the same. The display will show one of the following alarms: A06-A07-A08 (see Alarms table in paragraph 8.8.2).

In this situation the user or the accompanying person must:

1. release the travel button and press the opposite gear to move away from the obstacle;
2. remove, if possible, the obstacle (otherwise call for assistance);
3. press and hold the button for the desired direction of travel, up to the reaching of the stop.

9.3 Manoeuvres for the intervention of the overload detection device

The overload detection device stops the operation of the machine and is signalled by the alarm A26 visualised on the display (see Alarms table in paragraph 8.8.2).

When the system detects an excessive weight, proceed as follows:

- a. descend from the stairlift,
- b. seat on in again,
- c. use the stairlift.

If the alarm persists, it is necessary to ensure that the weight of the user does not exceed the rated capacity (kg) indicated on the plate of the machine.

In case of additional problems, it is necessary to contact the technical support to check the correct operation of the overload device.

9.4 Scheduled Maintenance

In the machine memory, there is a minutes counter whose task is to supervise the operation time of the traction motor.

When the machine reaches the number of hours after which the maintenance schedule is requested, a signal will be displayed for a few seconds on the display and, afterwards, you will notice the symbol of a wrench on the default screen; this reporting does not stop the operation of the stairlift, that can still be used, but indicates the need for intervention by the company responsible for the maintenance of the system. You should therefore contact the technical assistance. After maintenance, the counter will be reset by the technician.

Section 10 Machinery maintenance




The Next stairlift is built in accordance with the Machinery Directive currently in force in Europe, which highlights, as an indispensable element, the integration of safety in the design and construction of the machines themselves and their correct installation and maintenance over time.

Therefore, the system warranty is subject to regular and timely maintenance of all safety systems and protections of the supplied machine. Maintenance must be carried out by adequately trained technicians who are authorised for the purpose.

The system of the stairlift must be tested by the installer at the end of the assembly, with the buyer's presence or a delegate.

A copy of the completed test and tables relating to periodic checks, are located in this manual.

They can be referred to for any subsequent set-up of the machine.

	<p>CAUTION: To ensure an effective degree of safety, observe the scheduled maintenance intervals and use original Extrema spare parts.</p>
	<p>CAUTION: Keep away from unprotected moving parts.</p>
	<p>CAUTION: For normal cleaning, use a cloth with a biodegradable detergent.</p>

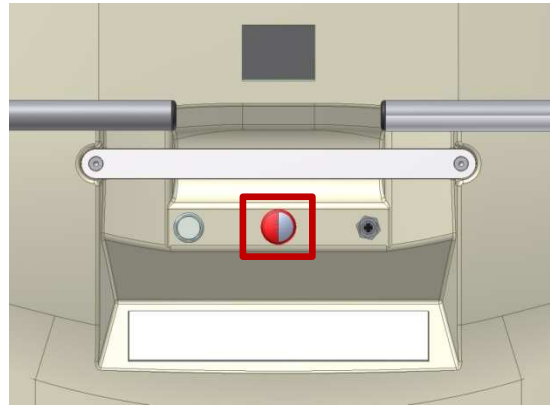
10.1 Periodic checks

WEEKLY CONTROLS

Control **EMERGENCY STOP** button effectiveness. Pressing the button:

- the commands on the platform and the floors are inactive;
- activates an acoustic signal.

To deactivate it, rotate in the direction indicated by the arrows.



MONTHLY CHECKS

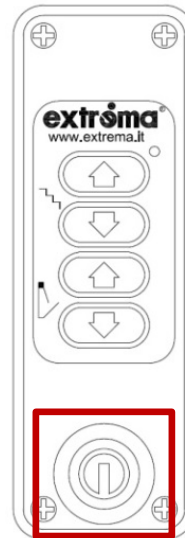
Control of effectiveness of the command buttons:

- check that the machine stops when the pressure on the button is released.



Control enable floor commands key effectiveness:


- turn the key on the floor keypad to the OFF position and check that the commands to the floors are inactive.



10.2 Periodic maintenance

The only maintenance permitted by the user consists of cleaning the external surfaces of the system, in particular:

- Platform;
- Machine body;
- Bars;
- Double bottom platform;
- Seat - if present;
- Guides;
- Guide support foot.

	<p>CAUTION: For normal cleaning, the use of a soft, scratch-resistant cloth and any biodegradable detergent is recommended. These must be completely volatile in order NOT to leave a wet residue on the parts, which may trap dust or mix with them. The detergents used must NOT be FLAMMABLE.</p>
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Section 11 Disposal of toxic or harmful substances

It is mandatory to comply with the regulations in force in the country of installation.

The machine does NOT contain toxic or harmful substances, so no particular procedures are required, except those of differentiating the various constituents for uniformity of material and/or composition.

The only toxic elements are the batteries, which must be disposed of in accordance with local regulations in the country of installation.

Section 12 Information on the demolition of the machine or its parts

DISASSEMBLY

The dismantling of the machine must be carried out by a qualified technician or a specialist company.

DEMOLITION

It is mandatory to comply with the regulations in force in the country of installation.

Any permanent oils/grease should be taken to authorised collection centres for treatment.

All parts that have come into contact with lubricants should be washed/cleaned or taken to authorised treatment centres.

The parts **NOT** in contact with permanent oils/grease **MUST** be delivered to authorised collection centres for recycling and reuse according to the REGULATIONS IN FORCE.

Section 13 Routine maintenance

The Next stairlift is built in accordance with the Machinery Directive currently in force in Europe, which highlights, as an indispensable element, the integration of safety in the design and construction of the machines themselves and their correct installation and maintenance over time.

Therefore, the system warranty is subject to regular and timely maintenance of all safety systems and protections of the supplied machine. Maintenance must be carried out by adequately trained technicians who are authorised for the purpose.

Training is the responsibility of the Company responsible for carrying out the work.

13.1 Periodic checks

	TYPE OF CONTROL EFFECTED	I	II	III	IV
		6-monthly	6-monthly	6-monthly	6-monthly
		__/__/__	__/__/__	__/__/__	__/__/__
1	Control RUN-OFF-BYPASS selector effectiveness on board				
2	Control enable floor commands key effectiveness				
3	Control STOP on-board emergency button effectiveness				
4	Control electrical safety devices: overrun, speed limiter and anti-fall				
5	Control sensitive edges and double bottom according to the direction of travel				
6	Control correct operation of on-board and floor commands and all configurations provided for				
7	Control correct on-board display				
8	Control correct functioning distress call button				
9	Control correct identification and position of disembarking floors				
10	Control of system overload				
11	Control dedicated circuit breaker (test button)				
12	Check electrical connections and battery charger voltage at charging stations				
13	Check voltage converter				
14	Check securing stability of gear rack to guide				
15	Control tightness of securing bolts and stability of guides				
16	Control locking and stability of restraint bars in safety position				
17	Check limit switch mechanical stability				
18	Control correct operation of the gear motor and brake assembly				
19	Control wear of carriage rollers				
20	Control tightness of carriage securing bolts				
21	Control stability of machine on guides				
22	Check that the system has not been tampered with or modified				
23	Visual inspection and general cleaning of the system				
24	For outdoor platforms: spread a thin layer of technical vaseline grease on the stop and recharge contacts.				
25	Check the tightening of the nuts and connecting pins connecting rod / lever of the footboard actuator.				

	V	VI	VII	VIII	IX	X	XI	XII
	6-monthly	6-monthly	6-monthly	6-monthly	6-monthly	6-monthly	6-monthly	6-monthly
	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__	__/__/__
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<p>NOTES CONTROL I 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>
<p>NOTES CONTROL II 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>
<p>NOTES CONTROL III 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>
<p>NOTES CONTROL IV 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>
<p>NOTES CONTROL V 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>
<p>NOTES CONTROL VI 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>

<p>NOTES CONTROL VII 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>
<p>NOTES CONTROL VIII 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>
<p>NOTES CONTROL IX 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>
<p>NOTES CONTROL X 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>
<p>NOTES CONTROL XI 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>
<p>NOTES CONTROL XII 6 MONTHS - ___/___/_____</p> <hr/> <hr/> <hr/>	<p>COMPANY STAMP AND SIGNATURE</p>

Section 14 Scheduled maintenance in relation to installation environments

Atmospheric corrosiveness classes and examples of typical environments - UNI EN ISO 12944		
Corrosiveness classes	Examples of typical environments in a temperate climate	
	Indoor environment	External environment
C1 very low	Heated buildings with a clean atmosphere, e.g. offices, schools, shops, hotels	-
<i>Frequency of maintenance</i>	Every 6 months	-
C2 low	Unheated buildings where condensation can occur, e.g. warehouses, sports halls	Environments with low pollution levels. Especially natural areas
<i>Frequency of maintenance</i>	Every 6 months	Every 6 months
C3 medium	Production rooms with high humidity and some air pollution; for example food industries, laundries, breweries, dairies	Industrial urban environments, modest sulphur dioxide pollution. Coastal areas with low salinity
<i>Frequency of maintenance</i>	Every 3 months (*)	Every 3 months (*)
C4 high	Chemical plants, swimming pools, shipyards for boats on coasts	Industrial areas and coastal areas with moderate salinity
<i>Frequency of maintenance</i>	Installation not allowed	Every 2 months (*)
C5 very high	Buildings or areas with almost permanent condensation and high pollution	Industrial areas with high humidity and aggressive atmosphere
<i>Frequency of maintenance</i>	Installation not allowed	Installation not allowed
CX extreme	Industrial areas with extreme humidity and aggressive atmosphere	Coastal and offshore areas with high salinity and industrial areas with extreme humidity levels and aggressive atmosphere and tropical and subtropical atmospheres
<i>Frequency of maintenance</i>	Installation not allowed	Installation not allowed

(*) In such cases, the “**guarantee of good operation**”, as described in point 7 of the “General conditions of sale”, will **not** be applied to parts and components of the machine that have suffered damage or deterioration deriving from the corrosiveness of the environment installation itself (for example: oxidation, corrosion, paint stripping).

no.	DESCRIPTION OF MAINTENANCE INTERVENTIONS
1	Check for the presence of any corrosion of the metal parts of the reducer.
2	Check for the presence of any rust on the traction pinion.
3	Check for the presence of any oxidation of the electromagnetic brake.
4	Check for the presence of any oxidation on the contact points of the stop and charging brush.
5	Check for the presence of any oxidation on the metal parts of the micro over-runs and of the micro parachute.
6	Deposit and stagnation of materials on the components of the parachute system.
7	Check for the presence of any rust on the gear rack.
8	Check for the presence of any rust on the support feet of the guides.
9	Check for the presence of any oxidation on the stop cams.
10	Check for the presence of any rust on the nuts and bolts (screws, nuts, washers, etc.).



CAUTION: *Following these checks, if aesthetic defects linked to corrosion (rust) are noted, proceed with restoration on site. If, on the other hand, the defect could affect the correct functioning and safety of the system, immediately replace the component.*

Certificate of delivery and testing system
Stairlift model NEXT

COPY FOR THE CUSTOMER - 1 / 2

Customer _____ with headquarters in _____

City _____ Province _____ Phone no. _____

Installation Company: _____

On _____ has been tested a system **STAIRLIFT** model **NEXT**,
serial number _____, installed at (mark with "X" the item concerned):

- () the customer address;
- () in _____

The installation of the system has been carried out in accordance with the installation manual. The quantities, the quality of the materials and their correspondence have been verified. After having completed the installation and before commissioning, the stairlift must be subject to comprehensive verifications and tests by a competent person in accordance with the following:

Have been delivered (mark with "X" the item concerned):

- () No. _____ floor push-button panels (optional);
- () No. _____ keys to enable floor push-button panels (optional);
- () No. _____ push-button panels for helper (optional);
- () No. _____ copies of the stairlift final drawing;
- () No. _____ copies of the stairlift wiring diagrams;
- () No. _____ copies of the manuals of use, maintenance and installation;
- () No. _____ copies of the "EC Declaration of Conformity".

The following operations/adjustments and functionality tests have been carried out with a positive result (mark with "X" the item concerned):

- () recording cams position for correct embarking/disembarking at the floors;
- () platform opening/closing test using the floor push-button panels;
- () actuation and stop test from the commands aboard the machine and from the helper keypad (if present);
- () stops recognition tests;
- () recall and sending to floor tests from the floor push-button panels;
- () platform load and overload tests.

Certificate of delivery and testing system
Stairlift model NEXT

COPY FOR EXTREMA - 1 / 2

Customer _____ with headquarters in _____

City _____ Province _____ Phone no. _____

Installation Company: _____

On _____ has been tested a system **STAIRLIFT** model **NEXT**,
serial number _____, installed at (mark with "X" the item concerned):

- () the customer address;
- () in _____

The installation of the system has been carried out in accordance with the installation manual. The quantities, the quality of the materials and their correspondence have been verified. After having completed the installation and before commissioning, the stairlift must be subject to comprehensive verifications and tests by a competent person in accordance with the following:

Have been delivered (mark with "X" the item concerned):

- () No. _____ floor push-button panels (optional);
- () No. _____ keys to enable floor push-button panels (optional);
- () No. _____ push-button panels for helper (optional);
- () No. _____ copies of the stairlift final drawing;
- () No. _____ copies of the stairlift wiring diagrams;
- () No. _____ copies of the manuals of use, maintenance and installation;
- () No. _____ copies of the "EC Declaration of Conformity".

The following operations/adjustments and functionality tests have been carried out with a positive result (mark with "X" the item concerned):

- () recording cams position for correct embarking/disembarking at the floors;
- () platform opening/closing test using the floor push-button panels;
- () actuation and stop test from the commands aboard the machine and from the helper keypad (if present);
- () stops recognition tests;
- () recall and sending to floor tests from the floor push-button panels;
- () platform load and overload tests.

The following measures have been verified with positive outcome (mark with "X" the item concerned):

- distance between protection bars and any fixed obstacle > 100 mm;
- free height above the loading surface > 1400 mm;
- free height above the seat integrated in the backrest (if present) > 1000 mm;
- at the stops, distance between the loading surface and the floor < 75 mm;
- distance between the end of the platform and any obstacle in front > 20 mm;
- adequate lighting in the vicinity of the stops > 50 lux.

The following checks have been carried out with positive outcome (mark with "X" the item concerned):

- stability mechanical limit switches;
- stability stop cams;
- stability guides;
- stability mountings;
- stability of the machine on the guides;
- absence of interference between movable and fixed parts;

The following electrical safety systems have been verified with positive outcome (mark with "X" the item concerned):

- verification operation floor key switch push-button panels;
- verification "emergency stop" switch;
- verification correct operation emergency call button;
- verification overrun microswitch;
- verification parachute microswitch;
- verification sensitive edges side and backrest bottom;
- verification sensitive edges platform ramps;
- verification sensitive edges platform bottom;
- verification and calibration of the overloading system;
- verification proper configuration of the dip-switch for opening the fall containment bars;
- verification correct opening of the floors fall arrest containment bars;
- verification correct visualization display;
- verification converter voltage;
- verification electrical connections and voltage presence charger at charging points.

The pay load and warning plates have been correctly applied.

The customer or the person responsible for him/her, declares to have verified the execution of the works in a workmanlike manner and to have received an adequate and complete training for the operation of the system in question; also declares that no damage occurred to persons and/or things during the installation of the machine.

For Extrema (name and surname) _____
(signature): _____

For the Customer (name and surname) _____
(signature): _____

The following measures have been verified with positive outcome (mark with "X" the item concerned):

- distance between protection bars and any fixed obstacle > 100 mm;
- free height above the loading surface > 1400 mm;
- free height above the seat integrated in the backrest (if present) > 1000 mm;
- at the stops, distance between the loading surface and the floor < 75 mm;
- distance between the end of the platform and any obstacle in front > 20 mm;
- adequate lighting in the vicinity of the stops > 50 lux.

The following checks have been carried out with positive outcome (mark with "X" the item concerned):

- stability mechanical limit switches;
- stability stop cams;
- stability guides;
- stability mountings;
- stability of the machine on the guides;
- absence of interference between movable and fixed parts;

The following electrical safety systems have been verified with positive outcome (mark with "X" the item concerned):

- verification operation floor key switch push-button panels;
- verification "emergency stop" switch;
- verification correct operation emergency call button;
- verification overrun microswitch;
- verification parachute microswitch;
- verification sensitive edges side and backrest bottom;
- verification sensitive edges platform ramps;
- verification sensitive edges platform bottom;
- verification and calibration of the overloading system;
- verification proper configuration of the dip-switch for opening the fall containment bars;
- verification correct opening of the floors fall arrest containment bars;
- verification correct visualization display;
- verification converter voltage;
- verification electrical connections and voltage presence charger at charging points.

The pay load and warning plates have been correctly applied.

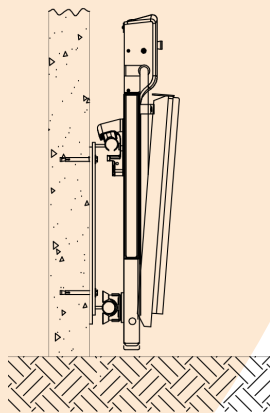
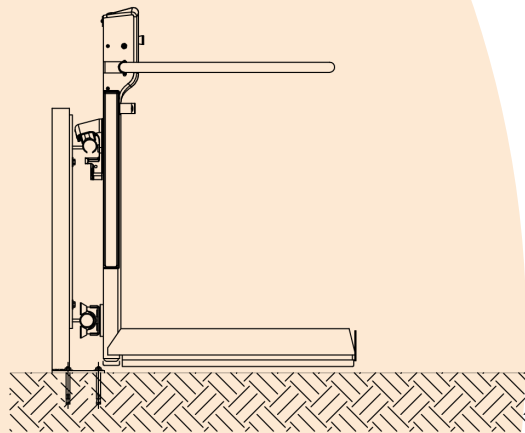
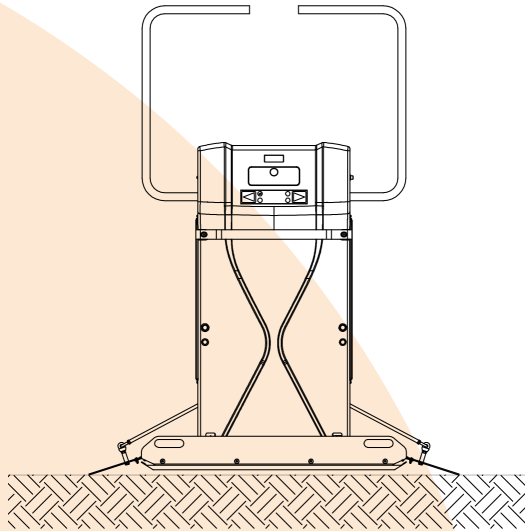
The customer or the person responsible for him/her, declares to have verified the execution of the works in a workmanlike manner and to have received an adequate and complete training for the operation of the system in question; also declares that no damage occurred to persons and/or things during the installation of the machine.

For Extrema (name and surname) _____
(signature): _____

For the Customer (name and surname) _____
(signature): _____

Return this form completed in its entirety to the technical office.
(If necessary, attach exemplary sketches or diagrams)

INCLINED PLATFORM LIFT



MATERIAL ANOMALIES: YES NO

(Components damaged during transport, missing or in the wrong quantity)

MEASUREMENT DETECTION ANOMALIES: YES NO

(Differences, compared to what is foreseen in the project, regarding the positioning of the rail, supports, cams or specific components)

INSTALLATION TIME: _____

TIPS: YES NO

(Alternative solutions in reference to the installation performed)

PLATFORM LIFT MODEL:

(Mark with an X)

NEXT	LOGIC	SLIM	SLIM X
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SERIAL NUMBER _____

DATE _____

CLIENT _____

INSTALLER _____

INSTALLER SIGNATURE

(Readable)

GENERAL INSTALLATION SATISFACTION

(Mark with an X)

cod. D95G41001



Stamp of retailer or authorized service agent

