

PATENTED TECHNOLOGY

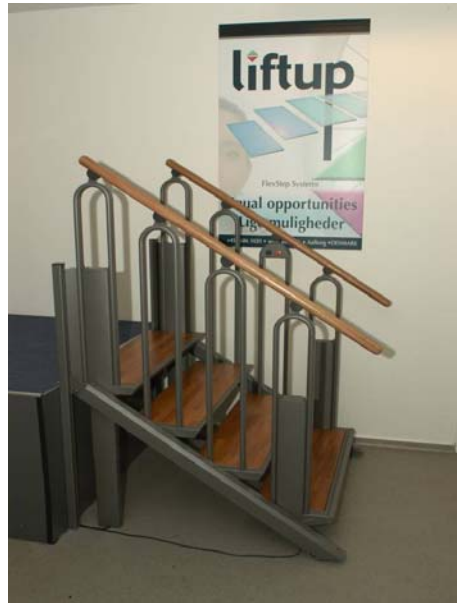


making two worlds into one

Equal opportunities
FlexStep Compact



User guide FlexStep Compact



User guide for FlexStep Compact

The FlexStep Compact stair lift is a wheelchair lift and a staircase in one. The FlexStep Compact is normally in function as a staircase. See fig. 1. If at lower or at upper level; to change from staircase mode to lift mode (fig. 2 and fig. 3), simply press and hold the button with the lift symbol.

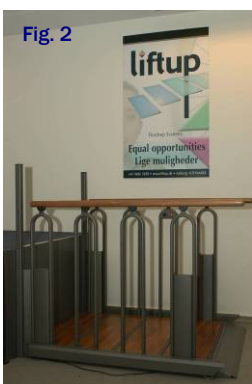


Fig. 1

Fig. 2

Fig. 3

General Operation.

Flex Step Compact operated by the two operating panels respectively above and below stairs, or via remote control * (see fig. 3). The button with the lift symbol modifies Compact Flex Step from the staircase to a wheelchair lift. The button with the staircase symbol, modifies Compact Flex Step from the wheelchair lift to the staircase. (See fig. 4 and 5). Movement of Flex Step Compact as a wheelchair lift is done by using the joystick mounted on the railings. (see fig. 6).

Operating panel



Fig. 4. Lift



Fig. 5. Staircase

Joystick on railings



Fig. 6

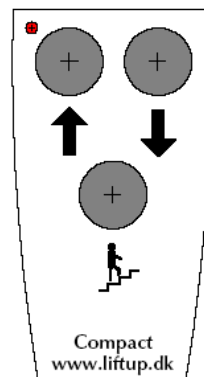


Fig. 3

*Optional



IMPORTANT

Installation and service

Installation

- Do NOT attempt to install the FlexStep Compact by yourself; the installation MUST be done by certified service engineers.
- Do NOT remove any protection covers or safety covers as this may cause the FlexStep Compact to operate unintentionally and may cause personal injury.

Service

- All service MUST be done by certified service engineers, please contact your local distributor for more information.

Safety

IR Sensors mounted avoid squeezing between the steps. If the IR Sensors are activated when the FlexStep Compact is moving from stair to lift, movement will stop and an acoustic alarm will sound.

Underneath the FlexStep Compact there are pressure zones to avoid squeezing objects underneath the lift. If someone or something is underneath the lift, it will automatically stop when it touches something, and an acoustic alarm will sound.

Although the safety facilities mounted on the lift is very advanced, be aware of the following:



To avoid squeezing injuries do not operate the FlexStep Compact from upper or lower level while someone is on the staircase




To avoid squeezing injuries do not operate the FlexStep Compact while someone is standing near or underneath the lift/staircase.



To avoid squeezing injuries do not operate the FlexStep Compact while someone is standing near to or in front of the lift/staircase.

Operating the FlexStep Compact from UPPER level

From the upper level, push and hold  the button. The staircase starts by elevating the ramp to an interlocked roll-off protection (fig. 7). The staircase moves down turning into a lifting platform which is then elevated to the upper level (fig. 8). Move onto the platform slowly, (in wheelchair: lock the wheel brakes), push and hold the joystick DOWN and the lifting platform moves down to the lower level and lowers the ramp. Leave the lifting platform carefully (fig. 9).



Elevating the ramp




Driving onto the lift



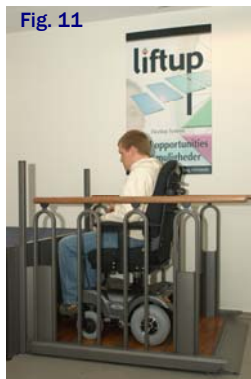
Leaving the lift

Operating the FlexStep Compact from LOWER level

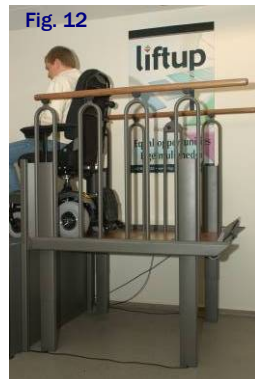
From the lower level, push and hold  the button. The operation starts by elevating the ramp (fig. 7). The staircase moves down turning into a lifting platform at the lower level. The ramp lowers (fig. 10). Move onto the platform slowly, (in wheelchair: lock the wheel brakes) (fig. 11), push and hold the joystick UP and the lift moves up after the ramp is elevated to an interlocked roll-off protection. The lifting platform stops automatically at the top level. Leave the lifting platform carefully (fig 12).



Lowering the ramp



Driving onto the lift



Leaving the lift



The lift can be returned to stair position by activating the button.



If the lift has not been activated for 60 seconds, the lift will automatically return to staircase mode. (Acoustic alarm will sound before and during movement)

Emergency stop

If the lift makes an unintended movement or if you need to stop all activity regarding to the movement of the lift/staircase, push the EMERGENCY STOP button (fig. 13).

To release the emergency stop, turn the button clockwise, and the system is ready for use.



EMERGENCY STOP

Battery back up.

In case of power failure (230v) the system automatically turn into “Back up mode”, means that the systems functionality will continue as normal. The system gets its power from the back up batteries.

As a warning of power failure the system starts beeping continually as soon as the power is missing. When the power is back, the system automatically goes back to normal run mode, and the beeping stops.

If you are not able to turn back the power, and want the beeping to stop, then push the emergency stop.



IMPORTANT ! If both the 230v power supply and emergency stop has been deactivated at the same time, the system automatically goes into a “safe mode”, and the system need to be calibrated, see bellow.

Calibration after power failure

If both the 230v power supply and emergency stop has been deactivated at the same time, or the system register other unintended statements, the system automatically goes into a “safe mode”, and the system need to be calibrated.

When the system is in “safe mode”, it only allows you to move the FlexStep down, and it runs very slow. The FlexStep will regarding to safety aspects, stop after max. 10 cm.

To run the FlexStep further down, push the emergency stop again and release it. Now push down button ect. ect.

When the FlexStep is at the button and the ramp has gone down, the system has been calibrated. The system goes automatically to normal run mode, and are ready for use.



IMPORTANT ! If you observe that the FlexStep is running unintended, or not running as expected something might be wrong. That might regard technical help. Cal your local supplier for help.

Important Notice – Safety precautions

Installation and Maintenance.

- Do NOT attempt to install or maintain the FlexStep Compact yourself. This MUST be done by certified service engineers.
- Do NOT remove any protection covers or safety covers as this may cause the FlexStep Compact to operate unintentionally and may cause personal injury.

Malfunction of the FlexStep Compact.

- In case of any malfunction in the movement of the FlexStep Compact or part hereof, other than described in this manual, immediately stop operating the unit and call for service assistance.
- In case the FlexStep Compact runs unaligned in lift mode the unit must be calibrated by lowering the FlexStep Compact into lift mode in the lower level.
- In case the ramp/roll-off protection does not move as intended, press and release the emergency stop button and lower the FlexStep Compact to lift mode in lower level.

Movement of the FlexStep Compact.

- The clearance underneath the FlexStep Compact must be kept clear of any objects that could obstruct movement in downward direction at all times. Otherwise the FlexStep Compact will not be able move to lower level and therefore not operate as a wheelchair lift.
- If an object is obstructing the movement of the FlexStep Compact when moving downwards, the FlexStep Compact will immediately stop moving and an acoustic alarm will sound. The object must be removed before operation can be continued.

Protection from personal injury.

- Do NOT operate the FlexStep Compact from staircase mode to lift mode when someone or something is on the staircase.
- To avoid any personal injury on the user or others it is strictly forbidden to operate the FlexStep Compact when anyone or anything is in danger of squeezing, falling, tripping or in any other way getting hurt when the FlexStep Compact is moving. It is the full responsibility of the user/operator to ensure that any movement of the FlexStep Compact can be done without hurting or injuring anyone.
Please pay extra attention to children or disabled people that may not foresee the possible consequences of the movement of the FlexStep Compact.

Overload on the FlexStep:

To prevent overload damage, the FlexStep is supported by a overload safety procedure, means that if the load on the FlexStep exceeds 250 kg. (evenly spread) the system stops and an acoustic alarm will sound. Hereafter it is only possible to operate the system downwards.



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EC declaration of conformity

Manufacturer: Liftup ApS
Tingager 2
DK-9530 Støvring
+45 9686 3020

Hereby states that

Equipment: **FlexStep-Compact™**
Year: 2006

Is in compliance with the provisions of the EC Directive on machinery according to directive 98/37/EEC with specific reference to enclosure I of the Directive concerning important safety and health requirements in connection with construction and manufacture of machines:

EN ISO 12100- 1: 2003 Basic terminology and methodology
EN ISO 12100- 2: 2003 Technical principles
EN 1050: 1997 Principles for risk assessment
ISO 9386- 1: 2000 Rules for safety, dimensions and functional operation

And

Is in compliance with the EMC Directive 2004/108/EC of 15. December 2004 concerning the approximation of the laws of the Member States on electromagnetic compatibility.

Director
Title

Flemming Eriksen
Name

Liftup ApS, Tingager 2, DK-9530 Støvring
Company

28.10.2005
Date

Signature



Special features



Auto return

The FlexStep Compact automatically returns to Staircase mode when neither buttons nor safety sensors have been activated for 60 seconds.



IR sensors to avoid squeezing between the steps.



Battery backup

The EasyLift is equipped with battery backup, to avoid unpleasant situations in case of power failure.

Local distributor.

Warning

Although the FlexStep is equipped with advanced safety features, do not operate the FlexStep if there are people or animals near or underneath the staircase to avoid squeezing or dangerous situations
Don't ever let children play with the EasyLift.

Technical specifications:

Supply: 230V/50 Hz 10A.
Max. load: 250kg or 2 persons
Safety: IR sensors, pressure zones
Platform size: 900x1240 mm. (may vary)

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