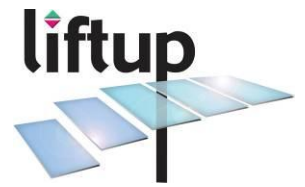
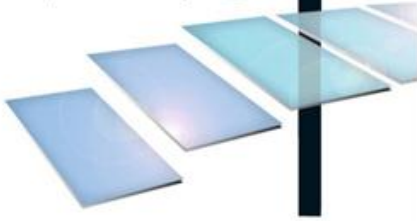


PATENTED TECHNOLOGY



liftup



making two worlds into one

Equal opportunities EasyLift



FlexStep Systems

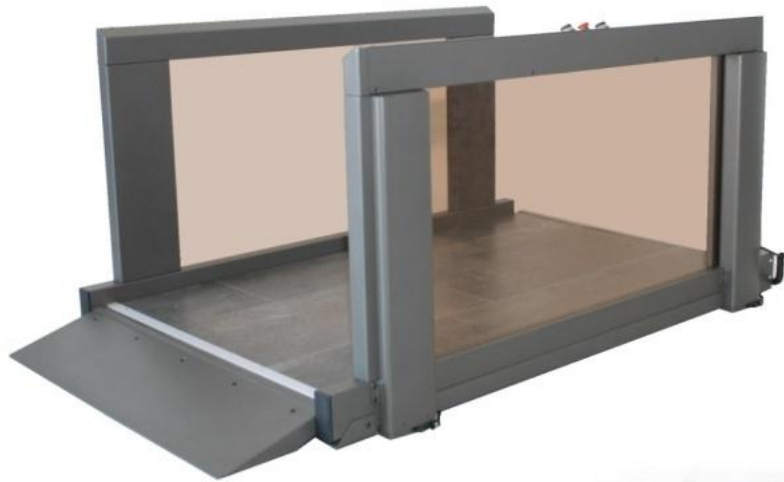
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FlexStep Systems

EasyLift User's Guide



USER MANUAL EASYLIFT UK VERSION 2.1



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1. Foreword

Congratulations on buying your new lifting platform.

Make sure you read through this manual before using the lifting platform.

Setup and installation **MUST** be performed by a service engineer trained by Liftup, in order to ensure correct assembly. Improper installation may lead to unintended hazards or risks.

EasyLift is a lifting platform for wheelchairs, offering users easy and stylish access between two levels. The platform is simple to operate by means of operating panels mounted on the wall or an elegant remote control.



2. 2. EU declaration of conformity

EU declaration of conformity

Machinery Directive 2006/42/EU

Manufacturer: Liftup ApS
Address: Tingager 2, DK-9530 Støvring, Denmark
Telephone: +45 9686 3020

hereby declares that:

Equipment: **EasyLift**
Lifting platform for wheelchair users and persons with impaired mobility

Year: 2007

is in compliance with the key health and safety requirements of the Machinery Directive:

The following was used for the assessment:

ISO 9386- 1: 2000 Power operated lifting platforms.

is in compliance with EMC-directive 2004/108/EC of 15 December 2004 on the approximation of the member states' legislation on electromagnetic compatibility.

Director

Title

Flemming Eriksen

Name

Liftup ApS, Hagensvej 21, DK-9530 Støvring, Denmark

Place

01-12-2009

Date

Signature

3. Type certificate

COPY OF THE CE-MARK
WILL BE MOUNTED HERE



4. Conditions of use

The platform is exclusively for the use of wheelchair users and persons with impaired mobility.

The maximum load is 300 kg evenly spread over the platform/a maximum of 2 persons.

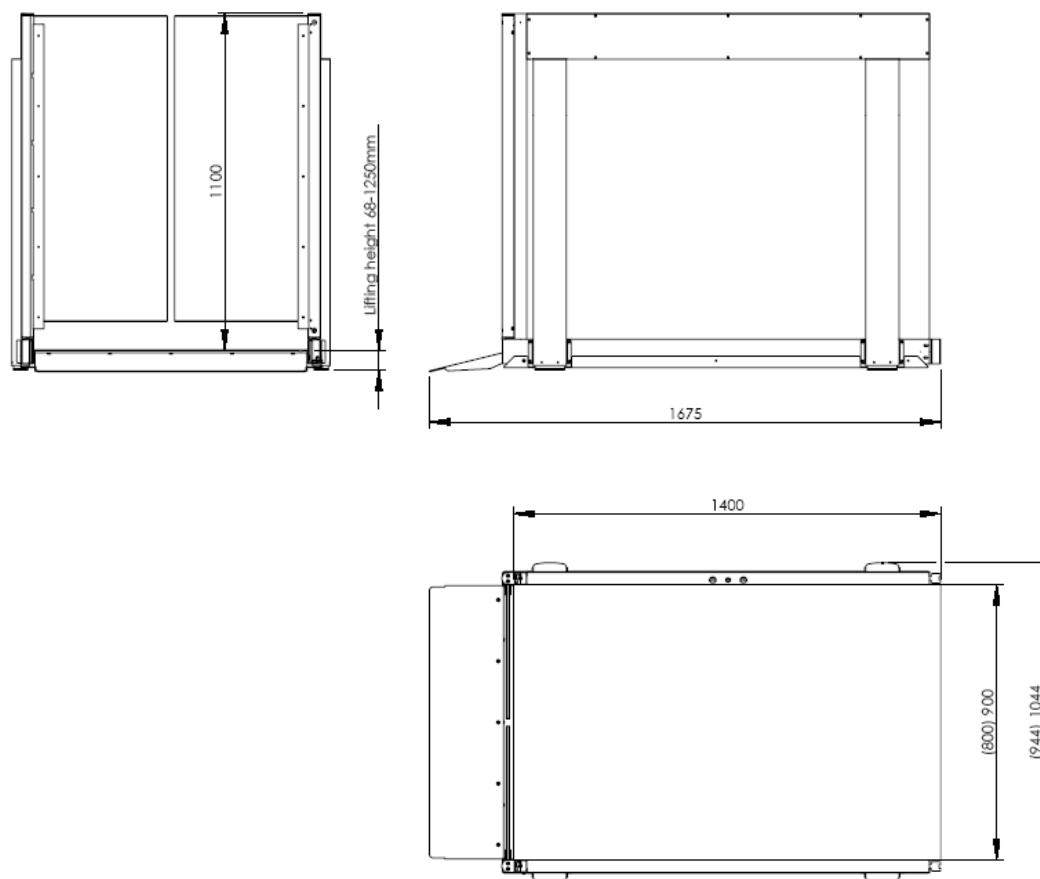
Read this user's manual in full before using the platform.

The platform must NOT be used for transporting goods; do not load pallets with goods or other types of heavy loads on the platform.

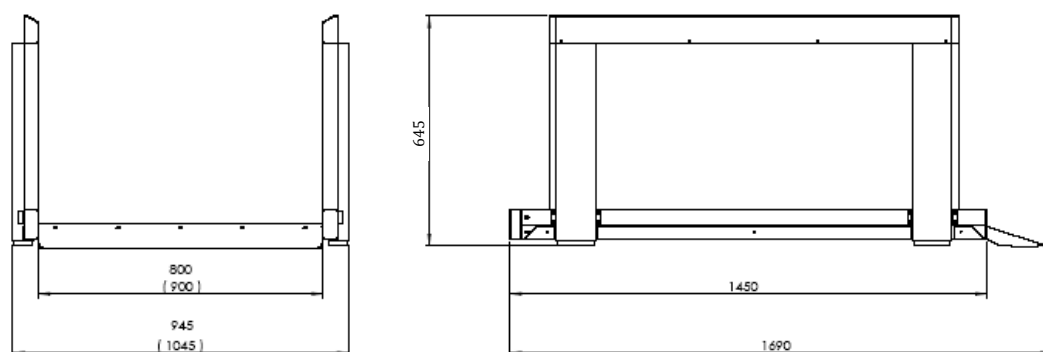
The platform owner is obligated to maintain it according to the Maintenance Guide in section 12.

5. Technical specifications

High model



Low model



Technical specifications:

Power supply: 230V/50 Hz 10A.

Max. load: 300 kg or 2 persons

Dimensions: 900x1400 mm.

Weight: 100 kg approx.

Noise: < 70 db.



6. Safety directions

Important safety measures

Installation and maintenance.

Do not attempt to install or maintain your EasyLift. This **MUST** be performed by an authorized service engineer.

Do **NOT** remove the protective plates or safety plates as doing so may open your EasyLift to causing unintended personal injury.

Unintentional movement of EasyLift.

If when using your EasyLift actions or movements occur which are not covered in this manual, stop the unit and request technical support.

If your EasyLift does not move with a level movement as a platform, calibrate it by running it down to floor level; if the problem persists, request technical assistance.

EasyLift movement.

Keep the area below EasyLift free of all objects or materials which may impede its downward movement. Otherwise, EasyLift cannot be moved down to the lower level and thus cannot fulfil its function as a lifting platform.

If an object/material prevents EasyLift moving in a downward direction, the platform will suspend its movement and issue an audible alarm. The object or material must be removed before the platform may be used again.

Avoiding personal injury.

In order to avoid personal injury, users may **NOT** use EasyLift when someone or something is at risk of injury through crushing, cutting, falling, tripping or the like. The user/operator shall strive to the greatest extent possible to ensure that EasyLift can move without risk of causing injury.

Be extra vigilant when small children and disabled persons are on or around the platform, since these groups cannot always be expected to be able to foresee the possible consequences of the platform's movements.

Overload of the platform.

In order to avoid damage to equipment due to overloading (max. 300 kg evenly spread), EasyLift is fitted with overload protection which stops the platform and issues an audible alarm if overload occurs. In the event of overload, run the platform downward to exit.

* Has undergone product and service training by Liftup.



Warning



Although the platform is fitted with various safety features, never operate it if persons or animals are close enough to be at risk of being crushed. **Never let children play on or with the platform.**

Personal safety

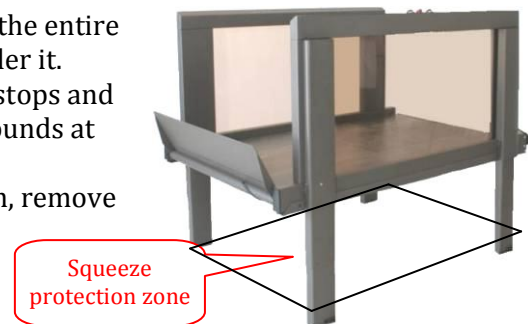
EasyLift is fitted with various safety mechanisms to ensure that the user or other persons are not injured by using the platform.

Squeeze protection:

A pressure plate (squeeze protection) is fitted beneath the entire platform and is activated if an object is compressed under it. When the squeeze protection is activated the platform stops and runs about 3-5 cm in reverse, while an audible alarm sounds at the same time.

If the squeeze protection is activated, release the button, remove any objects under the platform and then again run it to floor level. (If necessary, move the platform up a small distance so as to more easily remove objects from under it).

NB! Be aware that in the case of outdoor installations, leaves, branches and snow can trigger the squeeze protection, and you should therefore regularly check whether there are objects beneath the platform. For outdoor installations we thus recommend returning the lift to ground level after use, in order to prevent unwanted objects finding their way under the platform.



Roll-off protection:

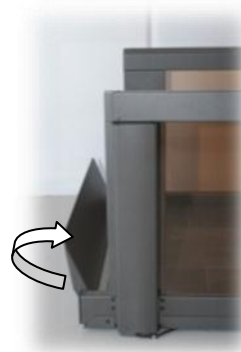
When moving the platform upward, the ramp will first pull up and lock before the platform begins to move. The ramp now acts as roll-off protection.

When the platform is returned to floor level, the ramp will automatically lower and function as a drive-on/off ramp.

If the platform is fitted with doors these will close and lock before it begins to move. These doors will always be closed and locked when the platform has moved off ground level.



*Ramp down as
entrance/exit ramp*



*Ramp up as roll-off
protection*

Handling

The platform is normally supplied by your dealer, who will also install it for you. Do not attempt to move the platform by hand as there is a risk of permanent personal injury. Move and handle the platform using the lifting equipment designed for this purpose.

Do not expose the platform to heavy bumps or jolts as this can damage its functionality. Store the accompanying remote control* in a dry place and do not expose it to heavy knocks (for example, by throwing it). Only clean using a firmly wrung cloth.

* Additional equipment



7. Operating principles

The EasyLift platform is a so-called “dead man operated” lift, i.e. the push buttons are to be held down for the entire movement.

Platform operation is straightforward; the user activates it using one of the push buttons on the wall or by means of the supplied remote control*.

When the user is on the platform it is operated from the side panel, from which the user can choose to be transported to the upper or lower level respectively.

8. Assembly

Platform installation is undertaken by an authorized service engineer.

Do not attempt to move, disassemble or repair your EasyLift. These tasks **MUST** be performed by an authorized service engineer.

Improper assembly may increase the risk of user injury. Liftup is exempt from any liability if assembly and installation are not performed by a authorized service engineer.

For more information or assembly documentation, contact Liftup on +45 9686 3020, or via www.liftup.dk.

9. Starting the platform

The control unit of the platform must always be connected to a 230V power point and be powered on.

Under normal circumstances the platform is always in stand-by mode, i.e. it is ready for use as soon as one of the operating buttons is pressed.

If the emergency stop has been pushed, this must be deactivated before the platform can be used (refer to section 10 on Operating the platform).

* Additional equipment

10. Operating the platform

Everyday use.

Your EasyLift is operated via the two operating panels above and below it, or by using the remote control*. The remote control replaces the two button panels.

To call the lift down, hold down the button (Fig. 1) sited at the lower level or on the remote control (Fig. 2) with the down arrow until the platform has moved completely down and come to a stop, and the ramp has lowered (and the doors have opened, if fitted*). Once the ramp has lowered, the user can enter the platform.

To call the lift up, hold down the button (Fig. 1) sited at the upper level or on the remote control (Fig. 2) with the up arrow until the platform has moved completely up and come to a stop and the doors* have opened (if fitted).

Once the doors have fully opened, the user can enter the platform.

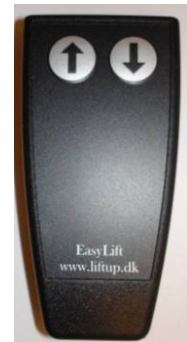


Fig. 2
Remote control

Three buttons are on the platform – one with an up-arrow, one with a down-arrow, and an emergency stop.



When you are on the platform and wish to ascend to the upper level, press the up button. The ramp or the doors* will close and the platform will start to move upward. Hold down the button until you have reached the upper level, the platform has come to a stop and the doors* have fully opened. You can now exit the platform.



When you are on the platform and wish to access the lower level, press and hold the down button. The doors* will close and the platform will start to move downward. Keep the button pressed until you have reached the ground level, the platform has come to a stop and the ramp/doors* have fully opened. You can now exit the platform.

Emergency stop



If the platform makes an unintended or undesired movement, or if it must be stopped in order to avoid potential risks, press the EMERGENCY STOP button. To reset the emergency stop, turn the button clockwise and the system is again ready for use.

11. Operation

For normal operation, EasyLift must always be connected to a 230V power supply. It is very important that you do not disconnect or switch off the power because long-term power outage (1-2 weeks) can drain the battery, thus causing your EasyLift to stop working. Note that in the event of power failure an audible alarm will sound. For more information, refer to the section below on Battery Backup.

Battery Backup.

In the event of a 230V power failure or if the control unit is for some other reason not supplied with power, the system will automatically switch to backup mode. This means the system will continue to function as normal since it is being powered by the battery backup. Mains power failure will be signalled by a beeping alarm sound; as soon as the mains is reconnected this alarm will cease. The system is now running as normal.

If it is not possible immediately to re-establish the mains supply and you wish to cancel the alarm, press the emergency stop button. (Note that in such a case the system will need to be calibrated – see below).



Important!



If both the 230V supply and the emergency stop have been disconnected at the same time, the system automatically switches to a safety mode and must then be calibrated. (See below).

Calibration after emergency stop/power failure

If the emergency stop has been activated and the power supply has been interrupted, or if the system registers other kinds of irregularities, it will require calibration. The platform then goes into a special safety mode which only permits it to move downwards at very low speed.

Safe mode

In special conditions where the EasyLift is out of synchronization, the Easylift will go into a safe mode where the Easylift will stop after around a 10 cm movement. Then press the emergency stop and release it, after which, the down button is again activated. Continue this procedure until the platform is completely down and the ramp lowered. Once the ramp is down and all 4 legs are on the floor the system is calibrated and will now function as normal.

IMPORTANT!



If you notice the platform not moving as expected, or stopping after only a few centimetres, there may be technical issues which need to be resolved by qualified engineers. In such a case, contact your dealer.

12. Maintenance

Only perform general cleaning using a firmly wrung cloth. Do NOT use high-pressure hoses or hose down the platform directly.

Any oiled wooden surfaces should be treated regularly (approx. every 3 months) with wood oil in order to ensure long service life.

Regularly check under the platform for leaves, branches or other unwanted objects and remove them to ensure its full and free movement.

Mechanical maintenance of the platform should normally only be undertaken in connection with the bi-annual service inspection and be performed by a authorized service engineer.

If any unexpected faults or abnormal sounds occur, contact your dealer at once to have them remedied.



Fig. 1
Remote control

Remote control (accessory)

Two batteries are installed in the remote control. To ensure reliable function, replace these every six months. To replace the batteries perform the following steps:

1. Undo the screw on the rear panel
2. Remove the rear panel.
3. Undo the screw holding the batteries.
4. Remove the old batteries and insert the new ones.
5. Replace the rear panel and test the device.



If the power has been disconnected from the handset or the receiver for a long period of time, it may be necessary to calibrate the system (pair the two units). Proceed as follows:

How to pair receiver and transmitter:

Before you start:

- Check that the cables in the receiver are correctly connected to the black control box.
- Ensure that the system is powered up and that the emergency stop button is not activated.

To pair the transmitter and receiver:

1. Use a pointed object and lightly press once on the switch in the receiver unit* (see Fig. 2)
2. Next, and within 5 seconds, press the UP (↑) and DOWN (↓) buttons on the handset at the same time for one second.
3. Test the system to ensure that the pairing has been correctly performed; if not, repeat 1 and 2 above.



Fig. 2
Receiver

Up to 4 handsets can be connected to a receiver/platform.

*NOTE! If the switch is depressed for 2 seconds or more the pairings of all handsets will be cancelled. In such a case all handsets will need to be paired with the receiver again.

13. Installation and transfer

This form is to be filled out on installation.

Customer:	Product:
Address:	Product Type No.:
Postcode:	Serial No.:
Telephone:	Installation date:
Customer acceptance of installation:	Installed by:

Checklist:

No.	Description	Performed?	Comments
1	Tested jointly with customer	<input type="checkbox"/>	
2	Emergency stop	<input type="checkbox"/>	
3	Safety mode	<input type="checkbox"/>	
4	Review of manual	<input type="checkbox"/>	
5	Show squeeze protection incl. alarm	<input type="checkbox"/>	
6	Overload	<input type="checkbox"/>	
7	Ramp/door function (switch)	<input type="checkbox"/>	
8	230V to control unit (must not be switched off)	<input type="checkbox"/>	
9	Any replacement of remote control batteries.	<input type="checkbox"/>	
10	Any pairing of remote control.	<input type="checkbox"/>	
11		<input type="checkbox"/>	
12		<input type="checkbox"/>	
13		<input type="checkbox"/>	
14		<input type="checkbox"/>	

14. Maintenance checklist

Besides the general maintenance described in section 12, as the manufacturer we recommend that the platform undergoes a routine inspection every 6 months by an authorized service engineer.

Your dealer will offer this service, but if you prefer to use another service provider, the owner of the platform is responsible for ensuring that the chosen service engineer is qualified to service the product.

For safety reasons it is very important to have this inspection, since if it is not made or performed incorrectly, personal injury may result.



IMPORTANT! Before inspecting the platform, or the area below it, the platform **MUST** be decoupled from the control unit so as to prevent unintended operation. It is the responsibility of the service engineer to do this before beginning servicing work.

N.B. It is not enough to simply disconnect the 230V mains supply as the system will then switch to battery backup.

The form below is to be filled out on every inspection.

Customer:		Product:			
Address:		Product Type No.: 100xxx			
Postcode:		Serial No.:			
Telephone:		Installation date:			
Contact person:	Telephone:	Last service date:			
Installation data:	Platform:	2 Stop:	IN:	Out:	Stairs Timeout:

Agreed date and time of service visit:

Agreements on the visit:

Checklist:

- | | |
|--|--|
| <input type="checkbox"/> SW Ver.
<input type="checkbox"/> Retighten M10 screws in steps.
<input type="checkbox"/> Retighten screws in rail guides.
<input type="checkbox"/> Operating units
<input type="checkbox"/> Emergency stop switch
<input type="checkbox"/> Load sign
<input type="checkbox"/> Acoustic check of actuators.
<input type="checkbox"/> Load check of actuators.
<input type="checkbox"/> IR safety | <input type="checkbox"/> All pressure plate switches
<input type="checkbox"/> Check of acoustic beeper
<input type="checkbox"/> Acoustic check of ramp motor
<input type="checkbox"/> Check of ramp friction
<input type="checkbox"/> Joystick
<input type="checkbox"/> Operating manual
<input type="checkbox"/> Barrier check
<input type="checkbox"/> Door function
<input type="checkbox"/> Door locks and door switches |
|--|--|

Spare parts replaced

Item no.	Quantity	Description	Unit price	Price

Follow-up by telephone

Comments:

Other comments:

Servicing technician:

Signature:



15. Service logbook

Form to be filled in on each inspection.

Customer:			Product:		
Address:			Product Type No.: 100xxx		
Postcode:			Serial No.:		
Telephone:			Installation date:		
Contact person:	Telephone:		Installed by:		
Installation data:	Platform:	2 Stop:	IN:	Out:	Stairs Timeout:

No.	Date:	Comments:	Signature
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16. Spare parts

Original spare parts must be used at all times. Replacement of parts may only be performed by authorized service engineers.

If other spare parts are used than those prescribed, the warranty is voided and Liftup at the same time releases itself from any liability in respect of product safety.

Part no.	Description
101175	Spare parts bundle - dealer
100255	Mounting kit for steps
100298	Ramp_lock suspension - Compact
100328	Plate for Lifting Column
100336	DC motor for Ramp - Compact
100338	Micro Switch - Safety system - V4L IP67
100339	Emergency Stop Button
100360	IR Safety termination board
100361	Mainboard - CP & EL
100363	Programming cable incl. software – Compact/EasyLift
100409	Micromatch Cable for IR-print
100410	SUB15 M/F extension cable
100413	Spring for ramp lock.
100418	Joystick w/ Rubber – 30 mm
100419	Actuator - M/F extension cable
100425	SUB15-7/7 Spiral Cable
100426	DC Motor for Safety Barrier
100429	Pushbutton - Lift
100430	Pushbutton - Stairs
100433	Micromatch 6-pin connector
100455	Cable for DL4
100487	DL4 for Compact, collected + extended
100582	Actuator internal fittings (DB4)
101131	Actuator sleeve valves, set
101157	Cable with 4-pole DIN plug, 10m



17. Disassembly

In order to ensure correct disassembly before any reuse in another installation, we recommend employing a authorized service engineer. Contact your dealer for disassembly assistance.

Note that there is a risk of overturning when EasyLift is detached from the building.

18. Disposal

It is the owner's responsibility to dispose of this product in accordance with the regulations applicable at the time.

Note, in particular, that the batteries in the control unit must be disposed of separately.

If necessary, ask your dealer for assistance with disposal.

19. Warranty

The warranty is valid in accordance with the regulations governing warranties at the time in question. Refer to the terms of sale and delivery for further information.

The warranty is only valid if the prescribed service inspections are carried out.

Should the customer decide to opt out of these inspections, Liftup is no longer liable for product safety. It is then the responsibility of the customer to ensure that the platform at all times complies with the applicable safety regulations.

**Wishing you much pleasure and good service from your
new EasyLift!**

Best wishes, Liftup