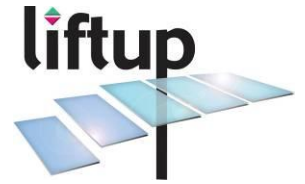
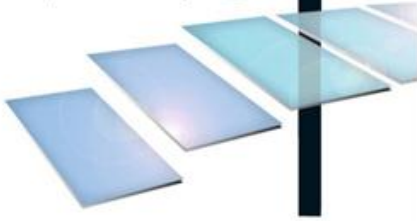


PATENTED TECHNOLOGY



# liftup



making two worlds into one

## Equal opportunities EasyLift



FlexStep Systems

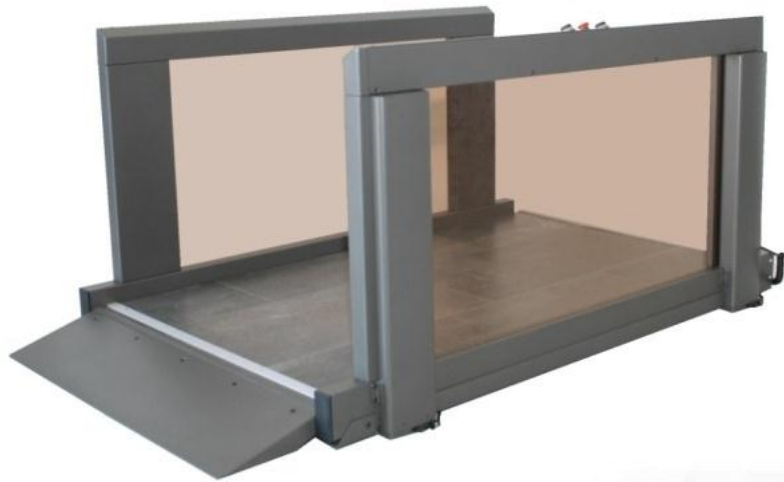
+45 9686 3020 • www.liftup.dk • Aalborg • DENMARK



+42 9686 3020 • www.liftup.dk • Aalborg • DENMARK

FlexStep Systems

# EasyLift User's Guide



USER MANUAL EASYLIFT UK VERSION 2.1



## Contents

Contents .....	2
1. Foreword .....	3
2. 2. EU declaration of conformity .....	4
3. Type certificate .....	5
4. Conditions of use .....	6
5. Technical specifications .....	7
6. Safety directions .....	8
Personal safety .....	9
Handling .....	9
7. Operating principles .....	10
8. Assembly .....	10
9. Starting the platform .....	10
10. Operating the platform .....	11
11. Operation .....	12
12. Maintenance .....	13
13. Installation and transfer .....	14
14. Maintenance checklist .....	15
15. Service logbook .....	16
16. Spare parts .....	17
17. Disassembly .....	18
18. Disposal .....	18
19. Warranty .....	18



## 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.

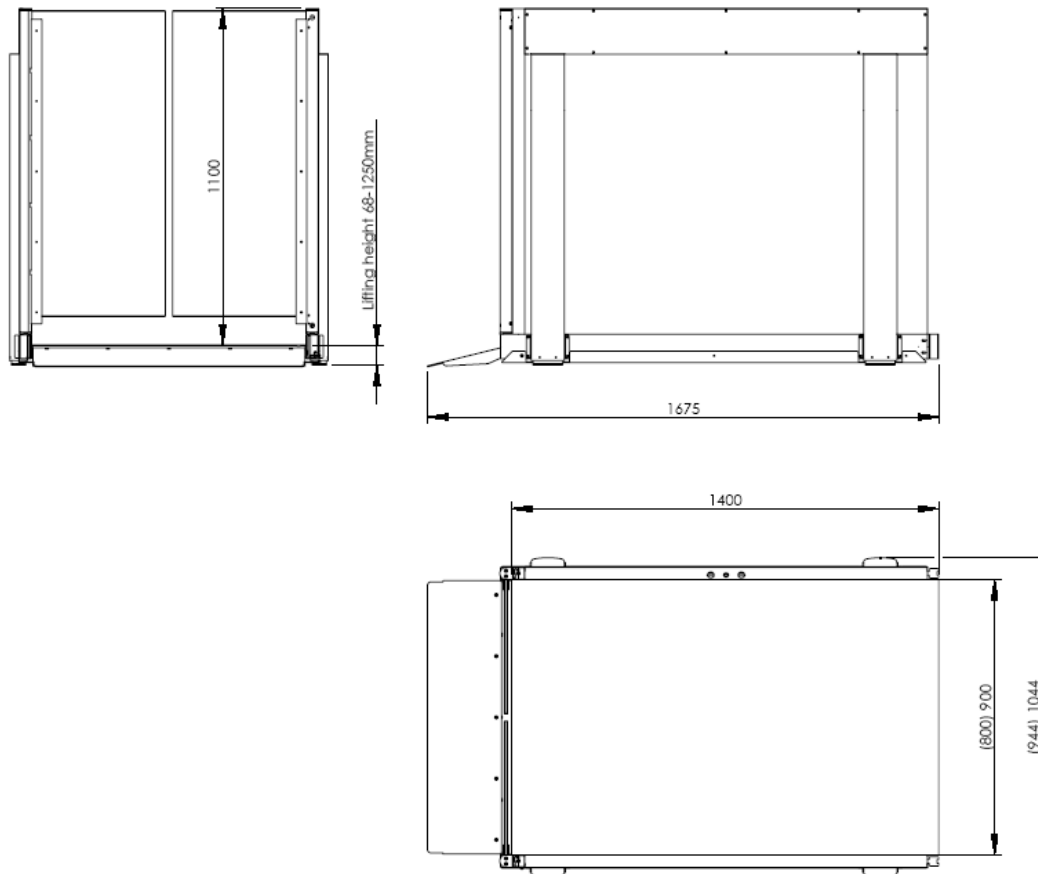
Read this user's manual in full before using the platform.

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

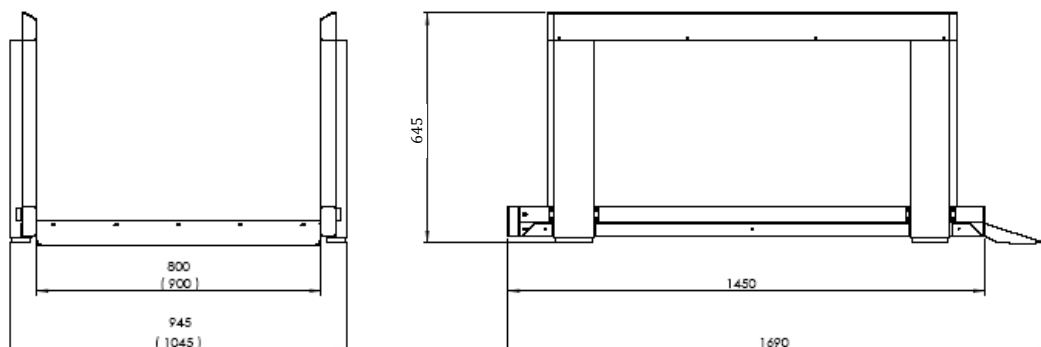
The platform owner is obligated to maintain it according to the Maintenance Guide in section 12.

## 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**

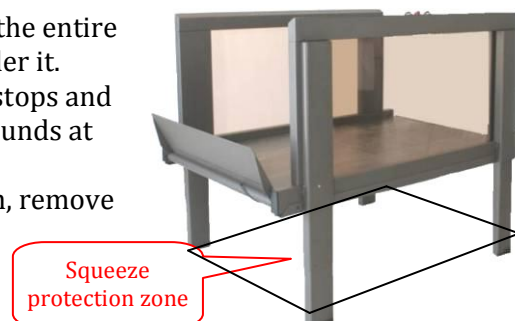
EasyLift is fitted with various safety mechanisms to ensure that the user or other persons are not injured by using the platform.

### **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:**

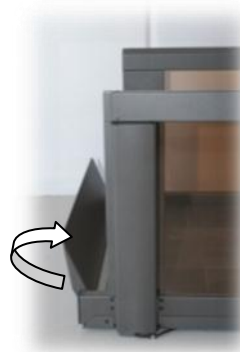
When moving the platform upward, the ramp will first pull up and lock before the platform begins to move. The ramp now acts as roll-off protection.

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](http://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.

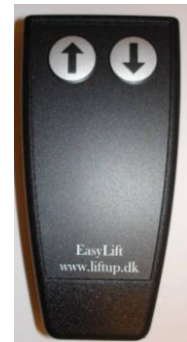


Fig. 2  
Remote control

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.<br><input type="checkbox"/> Retighten M10 screws in steps.<br><input type="checkbox"/> Retighten screws in rail guides.<br><input type="checkbox"/> Operating units<br><input type="checkbox"/> Emergency stop switch<br><input type="checkbox"/> Load sign<br><input type="checkbox"/> Acoustic check of actuators.<br><input type="checkbox"/> Load check of actuators.<br><input type="checkbox"/> IR safety | <input type="checkbox"/> All pressure plate switches<br><input type="checkbox"/> Check of acoustic beeper<br><input type="checkbox"/> Acoustic check of ramp motor<br><input type="checkbox"/> Check of ramp friction<br><input type="checkbox"/> Joystick<br><input type="checkbox"/> Operating manual<br><input type="checkbox"/> Barrier check<br><input type="checkbox"/> Door function<br><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
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

## 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**

A photograph of a dark grey metal lift platform. The platform is partially extended from its frame. The background is a plain, light-colored wall.

**User's guide**

# EasyLift

EASYLIFT V2 – UK VERSION 2,3

# Contents

<b>1. Foreword</b> .....	<b>3</b>
<b>2. EU declaration of conformity</b> .....	<b>4</b>
<b>3. Type certificate</b> .....	<b>5</b>
<b>4. Conditions of use</b> .....	<b>6</b>
<b>5. Technical specifications</b> .....	<b>7</b>
<b>6. Safety directions</b> .....	<b>8</b>
6.1 Personal Safety.....	9
6.2 Handling.....	10
<b>7. Operating principles</b> .....	<b>11</b>
<b>8. Assembly</b> .....	<b>11</b>
<b>9. Starting up</b> .....	<b>11</b>
<b>10. Operating the platform</b> .....	<b>12</b>
<b>11. Operation</b> .....	<b>13</b>
<b>12. Maintenance</b> .....	<b>14</b>
<b>13. How to pair transmitter and receiver</b> .....	<b>15</b>
<b>14. Installation and handover</b> .....	<b>16</b>
<b>15. Maintenance checklist</b> .....	<b>17</b>
<b>16. Service log book</b> .....	<b>19</b>
<b>17. Spare parts</b> .....	<b>20</b>
<b>18. Disassembly</b> .....	<b>21</b>
<b>19. Disposal</b> .....	<b>21</b>
<b>20. Warranty</b> .....	<b>21</b>

# I. 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.

(boks til tekniske specifikationer indsættes med F2)

## 2. EU declaration of conformity

### EU declaration of conformity

Machinery Directive 2006/42/EU

**Manufacturer:** Liftup A/S  
**Address:** Hagensvej 21, 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	Flemming Eriksen
_____	_____
Title	Name
Liftup A/S, Hagensvej 21, DK-9530 Støvring, Denmark	
	_____
	Place
01-12-2009	
_____	_____
Date	Signature

### 3. Type certificate



## 4. Conditions of use

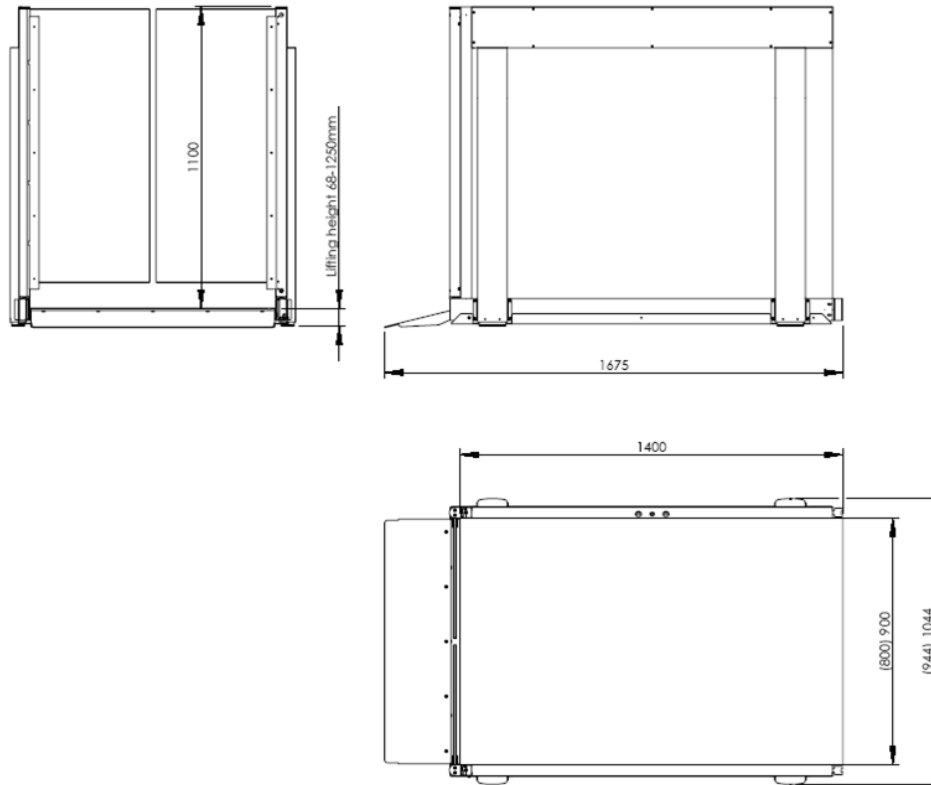
The platform is exclusively for the use of wheelchair users and persons with impaired mobility. The maximum load is 300 kg evenly spread over the platform/a maximum of 2 persons.

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 paragraph 12.

## 5. Technical specifications



### Technical specifications:

Power supply: 230V/50 Hz 10A.  
 Max. load: 300 kg or 2 persons  
 Dimensions: 800/900x1400 mm.  
 Weight: 100 kg approx.  
 Noise: < 70 db.  
 Duty cycle: 2 min. / 18 min

## 6. Safety directions

### 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 fulfill 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.

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.**

## 6.1 Personal Safety

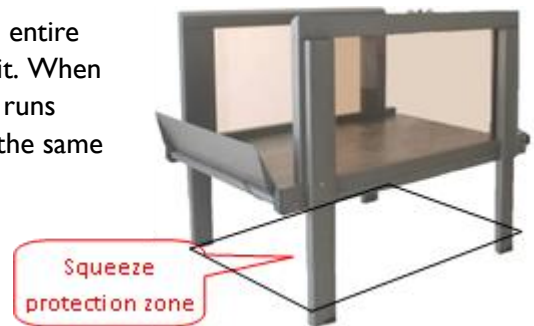
EasyLift is fitted with various safety mechanisms to ensure that the user or other persons are not injured by using the platform.

### 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*

## 6.2 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](http://www.liftup.dk).

## 9. Starting up

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.

\*Additional equipment

## 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 signaled 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.

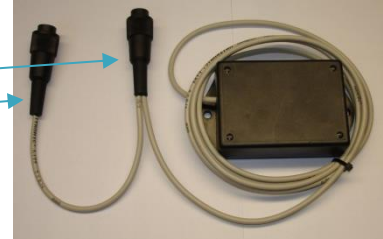


If the power has been disconnected from the handset or the receiver for a long period of time, it may be necessary to calibrate the system (pair the two units). Proceed as follows:

## 13. How to pair transmitter and receiver

Used only if there is more than one remote-controlled lift installed within the operational area if the remote control.

1. Check that the cables in the receiver are correctly attached to the black control box.
  - a. Lower level
  - b. Upper level
2. Ensure there is power to the system and it is switched on.
3. Press the UP (↑) and DOWN (↓) buttons on the handset at the same time and hold them down for approx. 5 seconds. Until the control diode on the handset begins to flash slowly. The handset is now in installation mode for 2 minutes.
4. Within the 2 mins., disconnect and reconnect the power to the lift required to be connected with the handset. Do this by pressing in the red emergency stop button on the lift and releasing it again by turning the button.
5. When the control diode on the handset stops flashing, it is connected with the lift.
6. Test the system so as to ensure the pairing is undertaken correctly; if not, repeat 1-5 above.



### How to reset transmitter and receiver:

To reset a handset so it is no longer associated with a particular lift, do as follows:

1. Press the UP (↑) and DOWN (↓) buttons on the handset at the same time and hold them down for approx. 5 seconds. Until the control diode on the handset begins to flash slowly. The handset is now in installation mode for 2 minutes.
2. Perform the following within the 2 minutes:


Press: UP (↑), UP (↑), DOWN (↓), DOWN (↓), UP (↑), DOWN (↓), UP (↑), DOWN (↓)

3. When the control diode starts to flash quickly, the handset is no longer associated with a particular lift.

## 14. Installation and handover

This form is to be filled out on installation.

Sample:



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

**Checklist:**

No.	Description	Checked	Any comments
1	Testing together with the client	<input type="checkbox"/>	
2	Emergency stop	<input type="checkbox"/>	
3	Safety mode	<input type="checkbox"/>	
4	Review of the manual	<input type="checkbox"/>	
5	Show anti-crushing safety feature, including alarm	<input type="checkbox"/>	
6	Overload.	<input type="checkbox"/>	
7	Ramp/gate function (switch)	<input type="checkbox"/>	
8	230V to the controls (must not be disconnected)	<input type="checkbox"/>	
9	Any change of the battery in the remote control.	<input type="checkbox"/>	
10	Any pairing of the remote control	<input type="checkbox"/>	
11		<input type="checkbox"/>	

PAGE

LIFTUP APS • HAGENSEVEJ 21 • ☎ +45 9686 3020 • DK-9530 STØVRING • DENMARK • MAIL@LIFTUP.DK

## 15. Maintenance checklist

In addition to the general maintenance described in section 12, we recommend as the manufacturer, that routine inspections are undertaken every 6 months by an authorized service technician. The dealer you have bought the product from will offer this service, but if you wish to use another service provider, the owner of the lift is responsible for ensuring that the chosen service technician is qualified in the product in question.

For safety reasons it is very important that these inspections are maintained, since lacking or improperly performed inspections may result in personal injury.

**IMPORTANT.** Before inspecting the lift (or under it), the lift **MUST** be dismantled from the controls in order to secure against accidental operation. The service technician is responsible for performing this disassembly before starting servicing.

**N.B.**

It is not enough to disconnect the 230V supply, as the system is fitted with a battery backup.

A check form like the one below shall be filled in upon each inspection. The form shall be filed by the company which has entered into the service agreement.

Sample:

# Service Report - EasyLift



Service visit paid  
for by:



User/Installation address

Client/Contractor

Owner/Municipality

Name/company			
Address			
Postcode			
Telephone			
Contact person			
Telephone			
EAN/GLN			

Product		Service level	
Product type no		Indnu ingen aftale	Halvårlig
Serial no			
Installation date		Agreed date and time for service visit	
Last service date		Agreed about the visit	

Other comments:	
Service engineer	

## Checklist

<input type="checkbox"/> Tighten screws in rail guides	<input type="checkbox"/> Check audible alarm
<input type="checkbox"/> Tighten ramp suspension	<input type="checkbox"/> Audible check of ramp motor
<input type="checkbox"/> Call stations	<input type="checkbox"/> Pressure plate / Safety pan
<input type="checkbox"/> Emergency stop contact	<input type="checkbox"/> Check friction on ramp
<input type="checkbox"/> Load sign	<input type="checkbox"/> User manual is available near the lift
<input type="checkbox"/> Audible check of actuators	<input type="checkbox"/> Check vertical barrier
<input type="checkbox"/> Load-check of actuators	<input type="checkbox"/> Door functionality
<input type="checkbox"/> Test 2x12V batteries (min. 5 AH)	<input type="checkbox"/> Report in customer's service log book
<input type="checkbox"/> Rivets in actuators	<input type="checkbox"/>

## Spare parts installed

Part no.	Qty.	Description	Price per pce.	Price
T00455		Actuator cable		
T01111		12V batteries		
		Service/inspection		
		Service engineer hours		
		Distance travelled (km)		


Doc. Version: 20150331

Liftup A/S | Hagensvej 2 | DK-9530 Støvring | Denmark | T: +45 96 86 30 20 | M: mail@liftup.dk | www.liftup.dk

## 16. Service log book

This form (like the one below) shall be filled in after each inspection.  
The log book shall be kept together with the lift.

Sample:



This form shall be filled in after every inspection.

Client:		Product:	
Address:		Product Type No.:	
Postcode:		Serial No.:	

Telephone No.:		Installation date:	
Contact Person:	Telephone No.:	Installed by:	
Installation facts:	Lift:	2 Stop:	IN:    Out:    Stairs Timeout:

No.	Date:	Comments:	Signature:
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			

Liftup A/S | Hagensvej 21 | DK-9530 Støvring | Denmark | T: +45 96 86 30 20 | M: mail@liftup.dk | www.liftup.dk

## 17. Spare parts

Original spare parts shall always be used. Replacement of parts may only be done by a qualified service technician.

If other parts are used than those prescribed, the warranty is voided, and Liftup at the same time renounces any liability for product safety.

Part no.	Description
I01175	Spare parts bundle - dealer
I00255	Mounting kit for steps
I00298	Ramp_lock suspension - Compact
I00328	Plate for Lifting Column
I00336	DC motor for Ramp - Compact
I00338	Micro Switch - Safety system - V4L IP67
I00339	Emergency Stop Button
I00360	IR Safety termination board
I00361	Mainboard - CP & EL
I00363	Programming cable incl. software – Compact/EasyLift
I00409	Micromatch Cable for IR-print
I00410	SUB15 M/F extension cable
I00413	Spring for ramp lock.
I00418	Joystick w/ Rubber – 30 mm
I00419	Actuator - M/F extension cable
I00425	SUB15-7/7 Spiral Cable
I00426	DC Motor for Safety Barrier
I00429	Pushbutton - Lift
I00430	Pushbutton - Stairs
I00433	Micromatch 6-pin connector
I00455	Cable for DL4
I00487	DL4 for Compact, collected + extended
I00582	Actuator internal fittings (DB4)
I01131	Actuator sleeve valves, set
I01157	Cable with 4-pole DIN plug, 10m

## 18. 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.

## 19. 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.

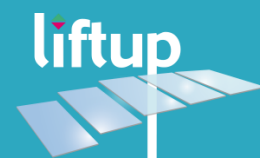
## 20. Warranty

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.

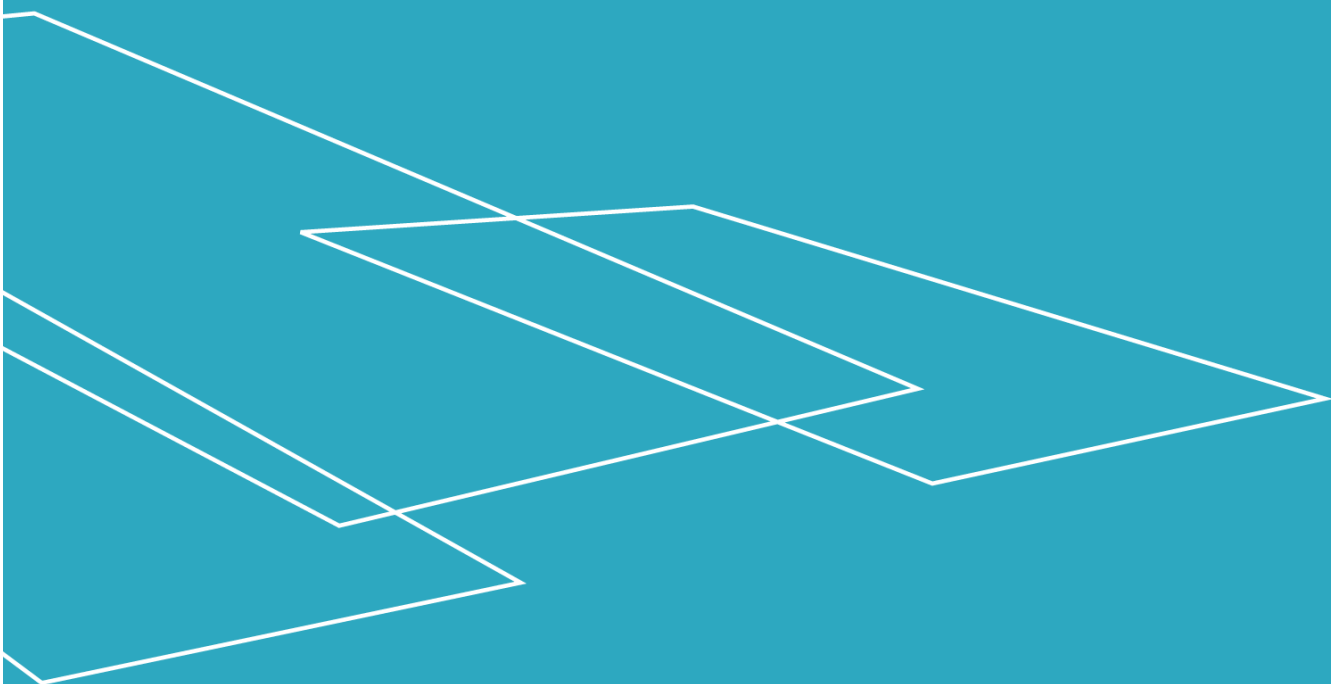
**Wishing you much pleasure and good service from your  
new EasyLift!**

**Best wishes, Liftup**



# User manual EasyLift

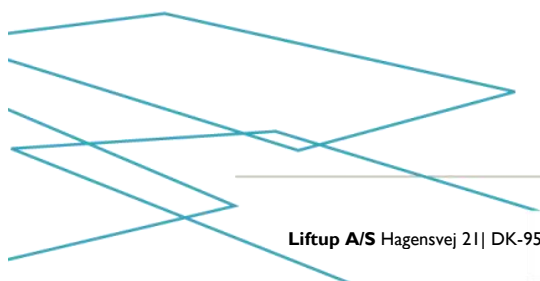
USER MANUAL – EASYLIFT V3 – GB VERS 1.2



# Contents

Contents.....	2
1. Foreword.....	4
2. Declaration of Conformity.....	5
3. Type certificate .....	6
4. Terms of use.....	7
5. Technical specifications.....	8
6. Safety instructions .....	9
6.1 Installation and maintenance.....	9
6.2 Unintended movements of Lift .....	9
6.3 Lift movement.....	9
6.4 Avoiding personal injury.....	9
6.5 Overload of the lift.....	9
6.6 Personal safety .....	10
6.7 Anti-crushing.....	10
6.8 Safety Barriers.....	11
6.9 Doors as protection.....	11
6.10 Handling.....	12
6.11 Unlocking door in case of emergency.....	13
7. Functionality.....	15
8. Assembly.....	15
9. Start up .....	15
10. Operating the lift.....	16
10.1 Daily use.....	16
10.2 Operating the lift from the TOP level .....	16
10.3 Operating the lift from the BOTTOM level .....	16
10.4 Operating the lift from the platform .....	17
10.5 Emergency stop .....	17
10.6 ON/OFF switch.....	18
10.7 Audible alarms .....	19
11. Operation.....	20
11.1 Battery backup.....	20
11.2 Calibration following emergency stop/power failure .....	20
12. Maintenance.....	21
13. How to pair transmitter and receiver.....	22
13.1 Remote control and receiver of the lift.....	22
13.2 How to reset remote control and receiver of the lift.....	22
13.3 Wireless call station and receiver of the lift.....	23
13.4 How to reset wireless call station and receiver of the lift.....	24

14. Installation and handover.....	25
15. Maintenance checklist.....	26
16. Service log book .....	28
17. Spare parts .....	29
18. Disassembly .....	32
19. Disposal .....	32
20. Right of complaint .....	32



## I. Foreword

Congratulations on purchasing your new EasyLift lifting platform.

This is an original user manual for your new EasyLift.

**It is important to read this manual before using the lifting platform.**

Set-up and installation **MUST** be undertaken by a qualified Liftup service technician, to ensure correct assembly. Improper assembly can lead to unintended risks of personal injury.

EasyLift is a lifting platform for wheelchairs, offering users easy and stylish access between two levels.

The lifting platform is easy to operate using operating panels mounted on the wall, on the lifting platform, or by means of a remote control.

**In this user manual “EasyLift lifting platform” will be mentioned as “lift”.**

## 2. Declaration of Conformity

**Manufacturer:** Liftup A/S  
**Address:** Hagensvej 21, DK-9530 Støvring, Denmark  
**Telephone:** +45 9686 3020

hereby declares that:

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

**Year:** 2016

Is in compliance with relevant safety and health requirements in:

**EMC-Directive:** 2014/30/EU  
**Machinery Directive:** 2006/42/EC  
**ROHS-Directive:** 2011/65/EU

At the assessment relevant parts of the following has been used:  
DS/EN 60204 Safety of machinery – Electrical equipment of machines.  
DS/EN 13849-1 and -2 Safety-related parts of control systems

Director

Søren Elisiussen

Title

Name

Liftup A/S, Hagensvej 21, DK-9530 Støvring, Denmark

Place

14-04-2016

Date



Signature

### 3. Type certificate



## 4. Terms of use

The lift is exclusively for the use of wheelchair users and persons with impaired mobility.  
The maximum load is 400 kg **evenly distributed on the lift** or a maximum of two persons.

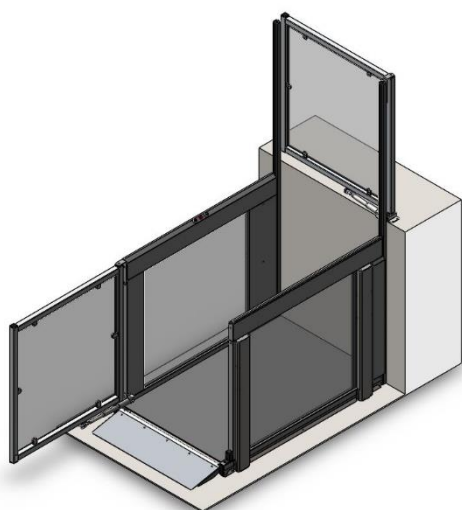
**Read this user manual thoroughly before using the lift.**



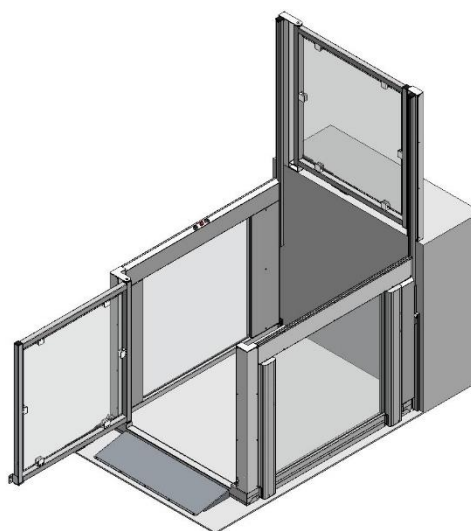
**Important!** The lift must NOT be used for goods transport, including loaded pallets or other types of heavy loads.

The owner of this lift is obliged to maintain it according to the Maintenance guide (please see section 12).

## 5. Technical specifications



EasyLift 800/800



EasyLift 1100

### Technical specifications:

Power:	110 - 240 V/50 Hz (1.1 A) Max: 90 W, Standby < 6 W	
Lifting capacity:	400 kg or two persons	
Lifting height:	0 - 1250 mm.	
Platform size:	Internal dimensions:	800/900/1100 W 800/900/1100 x L 1400 mm
	External dimensions:	800/900 W 960/1060 x L 1690 mm
	External dimensions:	1100 W 1260 x L 1760 mm
Dead weight:	200 kg approx. (EasyLift 800/900). 250 kg approx. (EasyLift 1100).	
Noise level:	< 70 dB	
Water and dust:	IP23	
Speed:	+40 °C - +5 °C:	40 mm/second
	+5 °C - -5 °C:	20 mm/second
	-5 °C - -20 °C:	10 mm/second
	-20 °C - -25 °C:	10 mm/second Max. 200 kg.
Approval:	Directive 2006/42/EC on machinery	
Duty cycle:	2 min. / 5 min.	
Battery capacity:	30 cycles at 25 °C	
Flat battery:	10 min. charge = one trip. Fully charged = 5 hours	

*Right reserved to make technical modifications.*

## 6. Safety instructions

### 6.1 Installation and maintenance

Do not try to install or service your lift yourself - this **MUST** be done by an authorised\* service technician.

Do **NOT** remove the protective plates or safety plates on your lift, as this may lead to personal injury.

### 6.2 Unintended movements of Lift

If during the use of your lift movement or action occurs which is not described in this manual, stop the unit and call technical assistance.

Should your lift not move with a plane movement as a lifting platform, calibrate it by running it down to floor level. If the problem continues, call technical assistance.

### 6.3 Lift movement

The space under the lift must be kept free of all objects, which may impair its downward movement. Otherwise, the lift cannot be moved down to the lower level and thus cannot fulfill its function as a lifting platform.

If an object/material prevents the lift moving in a downward direction, the lift will suspend its movement and issue an audible alarm and move upwards 2-3 cm automatically. This will allow the object to be removed. The object or material must be removed before the lift may be used again.

### 6.4 Avoiding personal injury

In order to avoid personal injury, users may **NOT** use the lift 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 the lift can move without risk of causing injury.

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

### 6.5 Overload of the lift

In order to avoid damage to equipment due to overloading (max.400 kg evenly spread), the lift is fitted with overload protection which stops the lift and issues an audible alarm if overload occurs. In the event of overload, run the lift downward to exit.

*\*Has completed a Liftup product and service course.*

## 6.6 Personal safety

The lift is fitted with various safety features which ensure that the user or other people are not injured when using the lift.



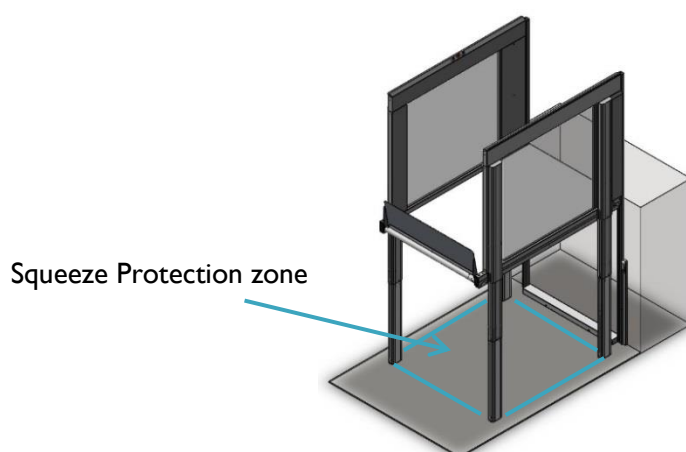
### Warning

Although the lift comes fitted with various safety features never use it if persons or animals are close by, as there may otherwise be a risk of crushing.

**Never allow children to play with the lift.**

## 6.7 Anti-crushing

Beneath the entire lift a number of pressure plates (anti-crushing) are fitted which are activated if an object is going to be crushed below. When this feature is activated the lift stops and then runs approx. 2 cm upwards, while at the same time an audible alarm is issued (please see section 10.7).



If the anti-crushing feature is activated, release the operating button. Remove any objects under the lift and then again run it to floor level. (If needed, move the lift up a small distance so you can easily remove objects from under it).

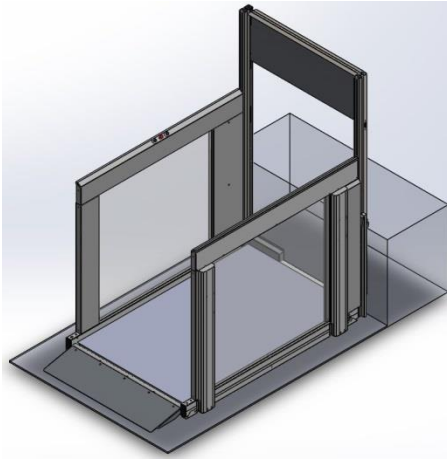


**Important** Keep in mind that when the lift is used outside, leaves, branches and snow can trigger the squeeze protection, and you should therefore regularly check whether there are objects beneath the lift. For outdoor installations we thus recommend returning the lift to ground level after use, in order to prevent unwanted objects finding their way under the lift.

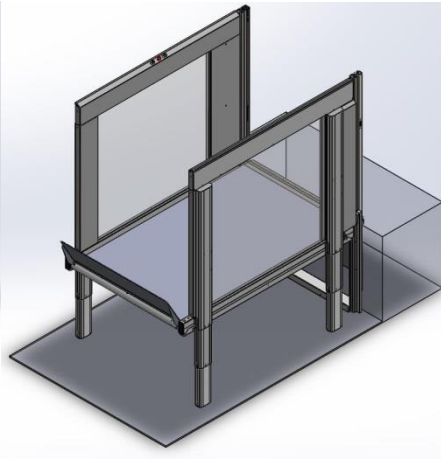
## 6.8 Safety Barriers

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

When the lift returns to floor level, the ramp will automatically lower (keep the button pressed) and act as a drive-on/drive-off ramp.



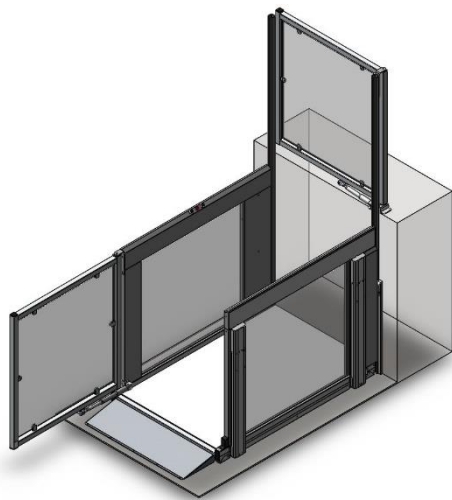
*Drive-on/drive-off ramp*



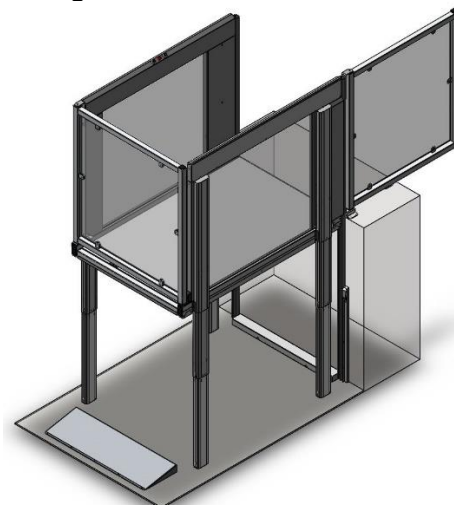
*Ramp as roll-off protection*

## 6.9 Doors as protection

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

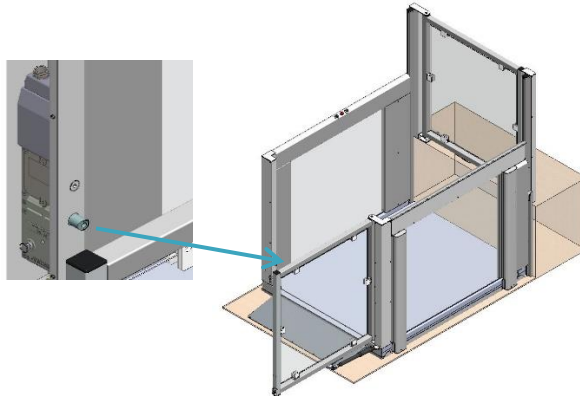


Lower level



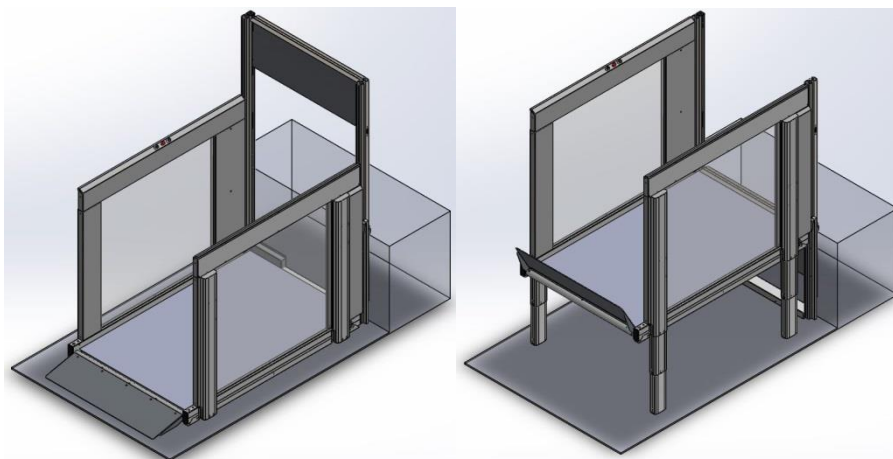
Upper level

If the lift is fitted with doors, it can be equipped with automatic door locks (only available on EasyLift 1100). The automatic door locks will secure the doors to be locked before the lift begins to move.



If the lift is fitted with a vertical safety barrier\* at the top level, this will close before the lift begins to move.

The vertical safety barrier will always be closed and locked, when the lift is not at the top level. The ramp is raised, when the lift is not at the bottom level.



## 6.10 Handling

The lift is normally supplied by your dealer, who also takes care of installation. Do not try to move the lift manually, as this can lead to personal injury. The product should be moved and handled using suitable lifting equipment (pallet-truck, roller plate, or similar).

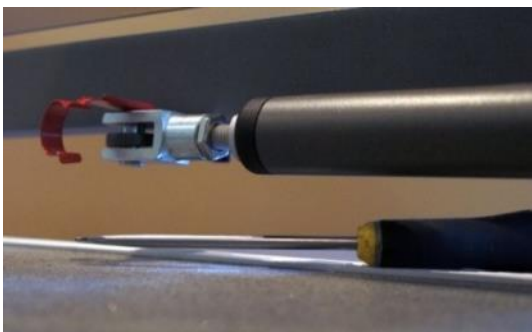
Do not expose the lift to heavy bumps or jolts as this can damage its functionality.

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.

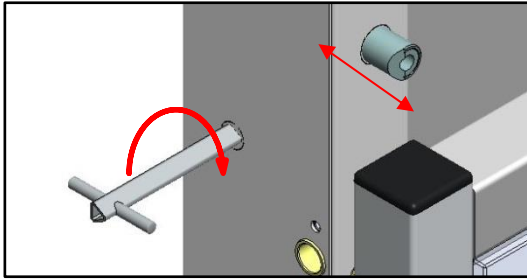
\*Additional equipment

## 6.11 Unlocking door in case of emergency

In case of emergency/malfunction: **Release** the folding spring bolt.



1. Pull the spring out from the shaft of the clevis, using a suitable tool, screwdriver, ruler, bottle-opener, etc.
2. From outside, you can approach the lower side.
3. Spring is released.
4. When the spring is released pull out the bolt.  
Please note!  
The bolt may be difficult to pull out, because of pressure on the door actuator.



5. If the door is equipped with an automatic door lock; unlock it with a triangular key (automatic door lock only available on EasyLift 1100 doors).



6. Now the door can be moved freely.

When the fault has been corrected, the door can be connected again following this instruction in reverse order.

## 7. Functionality

The EasyLift lifting platform is a so-called “dead man operated” lift, i.e. the push buttons must be pressed and held down for the entire motion.

The lift 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 lift 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

The lift installation is undertaken by an authorized service technician.

Do not attempt to move, disassemble or repair your lift. These actions **MUST** be performed by an authorized service technician.

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

For more information or materials on assembly, contact your dealer (please see <http://www.liftup.dk/en/distributors/>).

## 9. Start up

The control unit of the lift must always be connected to a 110-240V power point and be powered on.

Under normal circumstances the lift 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 lift can be used (please see more about this in section 10. Operating the lift).

\*Additional equipment

## 10. Operating the lift

### 10.1 Daily use

Your lift is operated by means of two operating panels (Standard Fig. 1, FUGA Fig. 2 or key-operated Fig. 3 call station) at the upper and lower levels respectively, pushbuttons Fig. 5 on the lift or by using the remote control Fig. 4 \*. The remote control replaces the two button panels.



Fig. 1  
Standard call station  
(With and without wires)



Fig. 2  
FUGA



Fig. 3  
Key operated



Fig. 4  
Remote control



Fig. 5  
Pushbuttons on lift

### 10.2 Operating the lift from the TOP level

To call the lift up, hold down the button (Fig. 1) sited at the top level – or the up arrow on the remote control (Fig. 4) - until the lift has moved completely up and come to a stop. Once the doors have fully opened\*, the user can enter the lift.

### 10.3 Operating the lift from the BOTTOM level

To call the lift down hold down the button (Fig. 1) sited at the lower level - or the down arrows on the remote control (Fig. 4) - until the lift has moved completely down and come to a stop. Once the ramp has lowered / the doors\* have fully opened, the user can enter the lift.

\*Additional equipment

## 10.4 Operating the lift from the platform

Three buttons are on the lift (Fig. 5) – one with an up-arrow, one with a down-arrow, and an emergency stop.



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



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

## 10.5 Emergency stop



If the lift makes an unintended or undesired movement, or if it must be stopped in order to avoid potential risks, press the EMERGENCY STOP button.

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

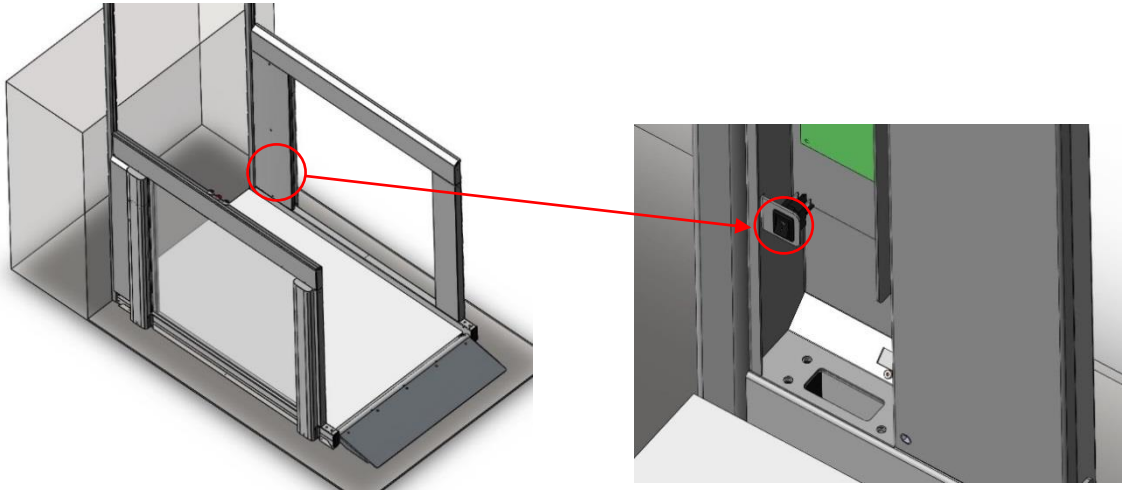


Fig. 5  
Pushbuttons on lift

\*Additional equipment

## 10.6 ON/OFF switch

The lift comes fitted with an ON/OFF switch. It is sited below the main board on the right hand side of the lift. You need to remove the cover to access the switch. This button is used to disconnect the power supply to the lift. If the user switches this off at the same time as activating emergency stop, the lift will be completely powered off.



The ON/OFF switch is used in the pairing of wireless call stations (please see section 13). Power to the lift is switched on/off by activating the ON/OFF switch and the emergency stop (please see section 11.1). When power is again returned to the lift (and emergency stop is released), the control system restarts (please see section 11.2).




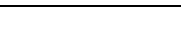

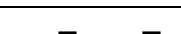

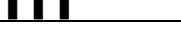







**Warning!** The ON/OFF switch is for the battery charger. It is not the mains switch. If it set to OFF for a longer period of time it might drain and damage the batteries on primary side.


\*Additional equipment

## 10.7 Audible alarms

If “speak” is installed on the lift this will be activated in the event of an alarm. Otherwise an alarm tone will sound.

Speak	Activity/warning	
Opening	The safety gate is opening.	
Closing	The safety gate is closing.	
Alarm: Overload alarm	The platform is overloaded.	
Alarm: Battery fault – the lift cannot be used	The battery has a fault. Inadequate power supply (please see section 5 Technical Specifications).	
Alarm: something is under the lift	Remove the object under the lift which is preventing downward movement.	
Ding Ding Ding	Arriving at top/bottom level.	
Warning – automatic operation	A warning before the lift will run auto return.	
BEEP-BEEP-BEEP...	The lift is in the process of running auto return.	
Emergency stop pressed	The red emergency stop button has been pressed in. This must be released in order that the lift can function again.	
The lift is locked	The lift is locked with a key switch.	
Battery warning	Low battery level.	
Power supply is interrupted – connect or press emergency stop	Connect to a power supply or activate emergency stop in order to power off the lift.	

 High tone followed by a deeper tone

 Low tone followed by a higher tone

 Identical tones (3 off)

## 11. Operation

Under normal operating conditions the lift shall always be connected to 110-240V.

It is very important that the power is not disconnected or switched off, as long-standing power outage (10-20 hours) may result in flat batteries and thus inoperability. Thus the lift cannot be used until the batteries have been recharged. An audible alarm will sound if the power supply is interrupted (please see section 10.7).

### 11.1 Battery backup

In the event of 110-240V 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 signaled 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 – please see section 11.2).



**Important!** If not connected to mains and the emergency button is not pressed, the batteries will finally be drained.



**Important!** If both the power supply has been disconnected and the emergency stop activated at the same time, the system will automatically switch to “safety mode” and will then need calibrating. (Please see below).

### 11.2 Calibration following 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 lift then goes into a special safety mode: calibration mode, which only permits it to move downwards at very low speed until all actuators are at position 0 (on the floor).



**Important!**

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

## 12. Maintenance

Clean the lift by wiping with a well-wrung cloth using water mixed with a mild detergent.



### Important!

Do NOT use a high-pressure jet or rinse the lift directly using a hose. Do not use aggressive cleaning agents or similar on the lift, and avoid salt or sand coming into contact with the lift in connection with winter maintenance.

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

The mechanical maintenance of the lift shall normally only be undertaken in connection with the regular service inspections. These are to be performed by an authorized service technician. If any unexpected faults or abnormal sounds occur, contact your dealer at once to have them remedied.

### Remote control\*

A CR2032 battery is installed in the remote control\*. NB: In order to ensure reliable function swap the batteries every 2<sup>nd</sup> year. To swap the battery, do the following:

1. Loosen the screw on the rear of the remote control
2. Remove the back panel
3. Swap the battery
4. Refit the back panel and test



### DO NOT swallow coin cell battery

Keep batteries out of reach of small children. Should a child swallow a battery, consult a physician immediately.

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). (Please see section 13).

\*Additional equipment

## 13. How to pair transmitter and receiver

### 13.1 Remote control and receiver of the lift

The remote control and receiver of the lift must always be paired in order to work.

The receiver will not react to a remote control which is not paired with it.

A receiver can be paired with up to 20 remote controls.

A remote control can be paired with several receivers if required. When a receiver is powered on (please see section 10.6) the RF-Status in the connection box will flash for 2 minutes. Or until it is paired with a remote control.



1. Ensure that there is power to the system. Press the emergency stop and switch off the on/off switch on the side of the lift (please see section 10.6).
2. Press the UP (↑) and DOWN (↓) buttons on the remote control at the same time and hold them down for approx. 5 seconds until the control LED on the remote control begins to flash slowly. The remote control is now in installation mode for 2 minutes.
3. Within these 2 minutes, release the red emergency stop on the lift by turning it clockwise.
4. When the control LED on the remote control stops flashing it is paired with the lift.
5. Test the system so as to ensure the pairing has been performed correctly; if not, repeat 1-5 above. If you need to pair several remote controls to the receiver, repeat item 2 above.
6. Switch on the on/off switch on the side of the lift.



Handheld remote control (transmitter)

### 13.2 How to reset remote control and receiver of the lift.

To reset a handset so it is no longer associated with a particular lift, do as follows:

1. Press the UP (↑) and DOWN (↓) buttons on the handset at the same time and hold them down for approx. 5 seconds. Until the control diode on the handset begins to flash slowly. The handset is now in installation mode for 2 minutes.
2. Perform the following within the 2 minutes:

Press: UP (↑), UP (↑), DOWN (↓), DOWN (↓), UP (↑), DOWN (↓), UP (↑), DOWN (↓)

3. When the control diode starts to flash quickly, the handset is no longer associated with a particular lift.



**Important!** Make sure no other receiver is in pairing mode

### How to reset the receiver of the lift

Switch the power to the lift on.

Short-circuit JPI-1 on the connection box board.

When the control LED begins to flash rapidly, the receiver has been reset.

Should the control LED not flash rapidly, this means that no receiver has been paired.



### 13.3 Wireless call station and receiver of the lift

The wireless call station and receiver must always be paired in order to work.

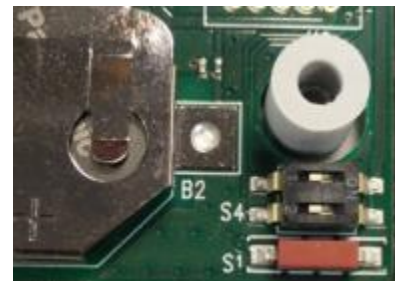
The receiver will not react to a wireless call station which is not paired with it.

A receiver can be paired with up to 20 wireless call stations.

A wireless call station can be paired with several receivers if required.

When a receiver is powered on (please see section 10.6) the RF-Status in the connection box will flash for 2 minutes. Or until it is paired with a wireless call station.

1. Ensure that there is power to the system. Press the emergency stop and switch off the on/off switch on the side of the lift (please see item 10.6).
2. Wall-mounted remote-controlled call station: Set dip switch S4 #2 to ON and press on the contact or short-circuit (↑) or (↓) using a metal object. The control LED on the call station will start to flash slowly. The call station is now in installation mode for 2 minutes.  
Return S4 #2 to its starting position (off).
3. Within these 2 minutes, release the red emergency stop on the lift by turning it clockwise.
4. The control LED on the call station is paired with the lift when it stops flashing.
5. Test the system so as to ensure the pairing has been performed correctly. If not, repeat 1-5 above.  
If you need to pair several call stations to the receiver, repeat items 2-6 above.
6. Switch on the on/off switch on the side of the lift.



### 13.4 How to reset wireless call station and receiver of the lift

To reset a wireless call station so it is no longer paired with a particular lift, do as follows:

Set dip switch S4 #1 to ON and press on the contact or connect (↑) or (↓) using a metal object. The control LED on the call station will flash rapidly.

The pairing with the receiver has now been erased.

Return dip switch S4 #1 to off.

#### How to reset the receiver of the lift

Switch the power to the lift on.

Short-circuit JPI-1 on the connection box board.

When the control LED begins to flash rapidly, the receiver has been reset.

Should the control LED not flash rapidly, this means that no receiver has been paired.



## 14. Installation and handover

The form below shall be filled out upon installation.

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

### Checklist:

No	Description	Checked	Any comments
1	Testing together with the client	<input type="checkbox"/>	
2	Emergency stop	<input type="checkbox"/>	
3	Review of the manual	<input type="checkbox"/>	
4	Pressure plate incl. alarm	<input type="checkbox"/>	
5	Ramp/door function (switch)	<input type="checkbox"/>	
6	110-240V to (do not switch off) the lift	<input type="checkbox"/>	
7	Any change of battery in remote control	<input type="checkbox"/>	
8	Outdoor: instruction of treatment (no salting etc)	<input type="checkbox"/>	
9		<input type="checkbox"/>	
10		<input type="checkbox"/>	
11		<input type="checkbox"/>	
12		<input type="checkbox"/>	
13		<input type="checkbox"/>	
14		<input type="checkbox"/>	

## 15. Maintenance checklist

In addition to the general maintenance described in section 12, we recommend as the manufacturer, that routine inspections are undertaken every 6 months by an authorized service technician. The dealer you have bought the product from will offer this service, but if you wish to use another service provider, the owner of the lift is responsible for ensuring that the chosen service technician is qualified in the product in question.

(Please also see: <http://www.liftup.dk/en/distributors/> if necessary).

For safety reasons it is very important that these inspections are maintained, since lacking or improperly performed inspections may result in personal injury.



**Important!** Before servicing the lift, the emergency stop button must be activated. This is to prevent accidental operation. It is the responsibility of the service technician to operate the emergency stop before servicing work is begun.

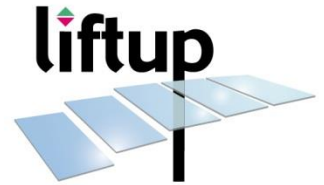
N.B. It is not enough to disconnect the 110-240V supply, as the system is fitted with a battery backup.

A check form like the one below shall be filled in upon each inspection. The form shall be filed by the company which has entered into the service agreement.

Our recommendations for the number of maintenance inspections in a year:

	Outdoor	Indoor
Private	2	1
Public	4	2

(Regarding local regulation)



# SERVICE REPORT – EASYLIFT V3

Service visit paid  for by:

	User/installation address	Client/Contractor	Owner/Municipality
Name/company			
Address			
Postcode			
Telephone			
Contact person			
Telephone			
EAN/GLN			

Product		Service level	
Product type no			
Serial no			
Installation date		Agreed date and time for service visit	
Last service date		Agreed about the visit	

Other comments:

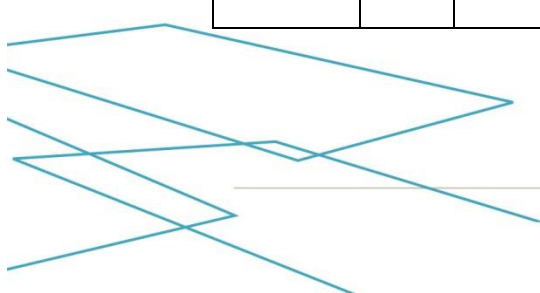
Service engineer

## Checklist

<input type="checkbox"/> Check attachment of guiderails	<input type="checkbox"/> Check audible alarm
<input type="checkbox"/> Tighten ramp suspension	<input type="checkbox"/> Audible check of ramp motor
<input type="checkbox"/> Call stations	<input type="checkbox"/> Pressure plate / Safety pan
<input type="checkbox"/> Emergency stop contact	<input type="checkbox"/> Check friction on ramp
<input type="checkbox"/> Load sign	<input type="checkbox"/> User manual is available near the lift
<input type="checkbox"/> Audible check of actuators	<input type="checkbox"/> Check vertical barrier /door functionality
	<input type="checkbox"/> Report in customer's service log book


## Spare parts installed

Part no.	Qty.	Description	Price per pce.	Price



## 16. Service log book

This form (like the one below), shall be filled in after each inspection.  
The log book shall be kept together with the lift.



This form shall be filled in after every inspection.

Client:		Product:	
Address:		Product Type No.:	
Postcode:		Serial No.:	

Telephone No.:		Installation date:	
Contact Person:	Telephone No.:	Installed by:	
Installation facts:	Lift:	2 Stop:	IN:    Out:    Stairs Timeout:






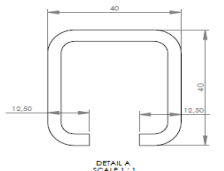

No.	Date:	Comments:	Signature:
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			

Liftup A/S | Hagensvej 21 | DK-9530 Støvring | Denmark | T: +45 96 86 30 20 | M: mail@liftup.dk | www.liftup.dk

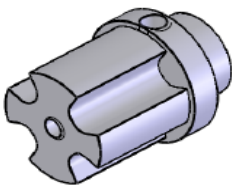




## 17. Spare parts

It is important to use only original spare parts. Replacement of parts may only be done by a qualified service technician.

The use of non-original spare parts may void the factory warranty. Furthermore, product safety may be compromised, which may pose a risk to personal safety.

Ref Number	Description	Photo
100336	DC motor for Ramp	
100338	Micro Switch - Safety system - V4L IP67	
100339	Emergency Stop Button	
100426	DC Motor for Safety Barrier	
100560	Styreskinne, C-profil, til dør	 
100579	Plug for Railguides 40x40	

Ref Number	Description	Photo
101139	Timing Belt for Vertical Barrier (m)	
101326	Actuator for door (black version 102355)	
101558	Cable for vertical barrier / call station	
101604	Remote control – transmitter unit. (Accessory)	
101951	Repair, spray, Color Akzo 900 /RAL7022 is close	
103482	Control Board for FS2, ELV3	
102556	Cam for ramp lock, FS2 & ELV3	
102557	Brass bracket for ramp lock - FS2 & ELV3	
102726	PCB for connection box FS2 / ELV3	

Ref Number	Description	Photo
102773	Friction clutch for ramp lock	
102890	Battery 12V 5Ah LiFePo4 Raizer / FS2 / EL400	
103080	Power supply unit 36 V / FS2 / ELV3	
103182	ActuatorComplete motor EL V3	
103152	Spring for ramp - Friction clutch	
103333	Programing Cable USB A to B / FS2 / EL400	

## 18. Disassembly

In order to ensure correct disassembly for any re-use in another installation, we recommend using an authorized service technician. Contact your dealer for assistance with disassembly.

Bear in mind that there may be a risk of overturning when the lift is detached from the building structure.

## 19. Disposal

It is the duty of the owner to dispose of the product in accordance with the regulations applicable at the time.

Please note, in particular, that the control unit and remote control contain batteries, which must be disposed of separately.

Do not put the battery in trash. When disposing of the battery, comply with local ordinances or regulations.

Consider contacting your dealer for assistance with disposal.

## 20. Right of complaint

The right of complaint encompasses the at any time applicable rules regarding the right of complaint. Please read more about this in the terms of sale and delivery: <http://www.liftup.dk/en/about-liftup/general-conditions/>.

NB: If the prescribed service inspections are not maintained the right of complaint may be lost. Failing to perform these inspections can also have serious consequences for product safety. It rests with the customer to ensure compliance with the prescribed service inspections at all times. Cf. Danish Working Environment Authority Executive Order 1109 §14.

**Enjoy using your new EasyLift!**

**Best regards, Liftup A/S**