Minivator
1000 Series

User manual
Introduction

Thank you for choosing a Minivator stairlift. Please read these operating instructions carefully. Your Minivator stairlift has been designed and built with careful attention to detail. In order to obtain many years of trouble free use please follow the instructions, paying particular attention to the care and maintenance requirements. Minivator recommend that you do not undertake any maintenance tasks other than the routine care and cleaning explained in this handbook.

Please contact your Minivator dealer or our Customer Service Department in the United Kingdom on 08700 118282 if your stairlift requires attention and we would be pleased to help you.

British Standards

Minivator has been accredited as conforming to the international standard of manufacturing, recognised by the award of ISO 9001.

All Minivator stairlifts are built and tested to conform to the British Standard for stairlifts (BS5776):1996 as well as ISO 9386-2. They also carry the CE mark.

Minivator is audited regularly to ensure we continue to conform to ISO 9001 which ensures you have a high quality, well manufactured product.

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Figure 1

1. Folding seat base
2. Swivel seat
3. Infrared remote control
4. Folding footrest with safety edges
5. Simple to operate key switch control
6. Folding armrests
7. Diagnostic display

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Appendix 1

– Wiring diagrams

Appendix 2

– Diagnostic display

Appendix 3

– Certificate of Conformity
Operating your Minivator 1000

Key switch
Your Minivator stairlift is fitted with a key switch (Figure 2). The stairlift cannot be operated unless the key is inserted and turned to the on position.

⚠️ The key switch is provided to enable you to lock the stairlift to prevent it being used by others (for example children).

However, it can be left in the on position if desired.

⚠️ If you remove your key for safety reasons, please ensure you put it in a safe place.

If the key switch is turned off the lift will continue to charge.

On/Off switch
As well as a key switch your stairlift is fitted with an on/off switch (Figure 3) on the bottom, front panel of the lift.

⚠️ Ensure that this is left in the ‘ON’ position. The fault diagnosis display panel will be illuminated to indicate this.

If you intend to be away from home for a long period, and decide to switch off the mains supply, it is important that you also switch off the lift from this on/off switch. This will ensure that the lift batteries will remain charged while you are away.

Diagnostic display
The stairlift is fitted with a diagnostic display (Figure 4) that displays a code to help diagnose faults. Refer to Appendix 3 for an explanation of the diagnostic codes. If you should experience a problem with your lift please examine the display and make a note of any codes that are displayed. Please inform the customer services operator of these codes when reporting any fault.

Before use
Before using your stairlift, MOST IMPORTANTLY please ensure the stairs are clear of other people, pets or any objects which may obstruct your stairlift. Then ensure that the arms, footplate and seat are folded down for use to ensure your safety (Figure 5).

⚠️ BEFORE OPERATING YOUR STAIRLIFT ALWAYS FASTEN YOUR LAP BELT.
Operating your Minivator 1000

Operating toggle
Your Minivator stairlift is operated by simply pressing and holding the operating toggle in the direction you wish to travel (Figure 6). The stairlift will automatically stop when the toggle is released or the stairlift has reached the end of its travel.

PLEASE NOTE:
In the interest of safety, initial activation of the stairlift is delayed by 1 second from pressing and holding the operating toggle, to avoid accidental operation. If the toggle is released while the lift is in motion, the lift will stop and a delay of 1 second will occur before the toggle will re-start the lift.

When changing the direction of travel the delay will be 3 seconds before the lift begins to move.

Remote control
The remote control (Figure 7) is used to call the lift to either the top/bottom of the stairs or to operate a powered folding hinge where fitted. This control may also be used by an attendant where the user is unable to operate the stairlift themselves.

The attendant should always remain off the staircase until the stairlift is stationary.

Folding your stairlift
Your Minivator 1000 seat, armrests and footrest can be folded (when not in use) to allow easier passage up and down stairs (Figure 8).

▲ SAFETY PRECAUTION!
ALWAYS RETURN THE STAIRLIFT TO ITS STOWED POSITION. I.E. WITH ARMRESTS, SEAT AND FOOTREST FOLDED AND THE CHAIR PARALLEL TO THE TRACK AS SHOWN IN FIGURE 8, SO THAT EXITS ARE NOT OBSTRUCTED.

Manual footplate link (optional)
If your stairlift is fitted with a manual footplate link the footplate will automatically fold away when the front seat squab is lifted. It will also lower the footplate when the front seat squab is lowered.

Power footplate link – seat squab operated (optional)
If your stairlift is fitted with a power footplate link operated from the seat squab it will automatically fold away the footplate when the front seat squab is lifted. It will also lower the footplate when the front seat squab is lowered.

Power footplate link – arm operated (optional)
If your stairlift is fitted with a power footplate link operated from the arm it will have an additional switch under the arm (Figure 9). To lower the footplate, use the rocker switch under the arm. To lift the footplate move the rocker switch to its alternate position.

NB If moving the footplate while seated on the stairlift please ensure your feet do not obstruct the footplate whilst it is in motion.
Operating the swivel

A swivel seat is provided to enable you to mount/dismount the seat more easily at the top of the stairs by swivelling you on to the landing.

▲ To operate the seat swivel, wait until the stairlift has stopped.

To swivel the seat hold either (there is one both sides of the seat) swivel lever down or pull it up. This will release the seat lock and allow you to move the seat round by pushing away from the footplate. When the seat reaches 90 degrees it will lock in position.

You should not attempt to leave the seat until it is fully rotated.

To swivel in the opposite direction follow the same procedure in reverse. Push the operating lever in the down direction. The seat will beep three times and then after a short pause it will rotate to the driving position. Continue to hold the operating lever in the down direction. The stairlift will then again beep three times before beginning its descent.

▲ SAFETY PRECAUTIONS

NEVER Swivel the seat without the lap belt fastened.

NEVER Mount or dismount the swivel seat unless it is locked in position.

NEVER Try to operate the swivel seat whilst the stairlift is in motion. (As a safety precaution, should you try to use it whilst the lift is in motion, it will cause the lift to stop).

NEVER Attempt to travel up or down the staircase unless the seat is in the correct position (i.e. facing directly across the staircase).

Power operated swivel (optional)

If your stairlift is fitted with an optional power operated swivel there will be no swivel levers fitted. In order to swivel the seat hold the operating toggle in the up direction. When the stairlift reaches the top of the stairs continue to hold the operating toggle in the up direction. The stairlift will beep three times and then the seat will swivel. When the seat is fully swivelled to 90 degrees the seat will stop.

You should not attempt to leave the seat until it is fully rotated.

To swivel in the opposite direction follow the same procedure. Push the operating lever in the down direction. The seat will beep three times and then after a short pause it will rotate to the driving position. Continue to hold the operating lever in the down direction. The stairlift will then again beep three times before beginning its descent.

Hinged track powered (optional)

In some installations a hinged track option may be necessary: usually to move the track out of the way of a doorway at the foot of the stairs. The hinged track is fully automatic in operation and will function as follows:

Going up the stairs

Mount the stairlift as previously directed and push the operating toggle in the up direction. The stairlift will, after a short delay, move up the stairs. Once the lift has passed the hinged track section it will stop – KEEP THE TOGGLE PRESSED IN THE UP DIRECTION. At this time the seat will beep three times whilst the hinge track automatically folds itself away. When the hinge is fully folded the stairlift will continue to the top of the stairs.

Going down the stairs

Mount the stairlift as previously directed and push the operating toggle in the down direction. The stairlift will, after a short delay, move down the stairs. Before the lift has reached the hinged track section it will stop (Figure 11) – KEEP THE TOGGLE PRESSED IN THE DOWN DIRECTION.

Hinged track manual (optional)

Before raising the manual hinged track park the stairlift on the charge points, above the hinge, or at the top of the stairs.

Your stairlift will not work unless the track has been lowered.

Parking the Stairlift

WHEN THE STAIRLIFT IS NOT IN USE IT SHOULD BE MOVED TO ITS PARK POSITION SO THAT IT DOES NOT CAUSE AN OBSTRUCTION.

THE STAIRLIFT DOES NOT CHARGE WHEN IT IS PARKED AT THE BOTTOM OF THE STAIRS.

To park the stairlift, press and hold the P button on the handset (Figure 12). The lift will travel up the stairs to its park position and the hinge will automatically fold itself. If you release the P button the lift or track will stop moving. To continue, press and hold the P button again. After a short delay movement will start again.

WARNING

BEFORE YOU OPERATE THE HINGED TRACK PLEASE REMOVE ANY OBSTACLES WHICH MAY OBSTRUCT THE TRACK.

Before raising the manual hinged track park the stairlift on the charge points, above the hinge, or at the top of the stairs.

Your stairlift will not work unless the track has been lowered.
Safety and servicing

We advise that your stairlift is serviced after the first 12 months and thereafter AT LEAST EVERY 12 MONTHS.

This work must be carried out by a competent person, i.e. a Minivator approved dealer.

If in doubt, please contact the Minivator Service Department on 08700 118282.

If you own your stairlift and no longer require it your dealer or Minivator may be interested in purchasing it.

Warnings and precautions

NEVER Allow more than one person to use the stairlift at any one time.

The maximum carrying capacity is 137kg (21½ Stone / 300lb). If you have a heavy duty version the maximum capacity is 160kg (25 Stone / 350lb).

NEVER Allow children to play on or with the stairlift.

NEVER Allow water to come into contact with the components in the stairlift. If you have to transport liquids DO SO WITH CARE.

NEVER Place objects in the track or leave objects on the stairs, where they could come into contact with the lift in operation. Your stairlift is fitted with pressure sensitive side edges and undertray on the footplate, which will automatically stop the lift if it detects any obstructions.

NEVER Use the stairlift without using the lap belt, or any other safety belts or harnesses fitted.

NEVER Use the stairlift in a standing position.

ALWAYS Keep your FEET ON THE FOOTPLATE whilst the stairlift is in motion, and try to avoid your feet hanging over the edges of the footplate.

NEVER Swivel the seat until the lift has come to a stop at the top or bottom of the staircase.

ALWAYS Fold the chair when it is not in use to avoid obstructing exits.

WARNING If the overspeed governor is activated it should only be reset by a competent person, i.e. a Minivator approved dealer. Activation of the overspeed governor is indicated by the lift not being able to be driven down the stairs and the diagnostic display showing 0.
Routine care and maintenance

Battery care and charging

Your Minivator stairlift is battery powered and will continue to work for a period of time even if you have a power cut. You should normally be able to travel up and down the stairs at least 10 times without needing to charge the batteries. Particularly in the event of a power cut, however, you should always ensure that there is sufficient light to allow safe travel, and especially at each end of the track where you get on and off the lift.

Your stairlift track is fitted with charging points, normally at the top and bottom of the staircase. Your stairlift should be left on one of these charging points when not in use to ensure that the batteries are charged. If the stairlift makes a beeping noise and/or the display show a “2” when it is left on a charging point and it is not in use IT IS NOT CHARGING. Please check that the power supply for the stairlift is switched on. If it is switched on and the beeping continues please contact your dealer or the Minivator Service Department on 08700 118282.

Maintenance

There are no user serviceable parts fitted to your stairlift. If any damage is visible or your stairlift sounds or behaves unusually contact Minivator or your approved dealer immediately. We advise that your stairlift is serviced after the first 12 months and thereafter AT LEAST EVERY 12 MONTHS.

Care and cleaning

Before cleaning any part of your Minivator stairlift, please ensure you have removed the key.

The Minivator stairlift is manufactured from a variety of materials, all with easy “wipe clean” surfaces. The seat and body covers can be wiped over with a damp, NOT WET, cloth and a small quantity of washing up liquid.

Disposal of your Stairlift

Your Stairlift has been manufactured using high quality materials and components, which can be recycled and reused.

The crossed-out wheeled bin symbol indicates that your Stairlift is covered by the European Directive 2002/96/EC, which governs the disposal of waste electrical and electronic equipment.

This means that your Stairlift should not be disposed of as household waste but should be appropriately disposed of for recycling.

Recycling this product will help to protect the environment by ensuring that all materials contained in the Stairlift are appropriately handled.

Please contact Minivator on 08700 118282, your dealer or your local Civic office for further disposal information.

PLEASE DO NOT use abrasive cleaners, bleach or solvent based cleaners, as these will damage the seat.

To clean the track, first send the stairlift to the top of the stairs. The track can be cleaned with a damp cloth. When most of the track is clean, move the stairlift to the bottom of the stairs and finish cleaning the track making sure that none of the cleaning debris falls on to it.

To maintain your Minivator stairlift in good mechanical order, it is recommended that regular services are carried out by qualified service engineers.
Appendix 1 – Wiring diagrams

1000 Series block schematic – left hand stairlift

1000 Series block schematic – right hand stairlift

For other settings – refer to separate documentation.
Appendix 2 – Diagnostic display

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<tr>
<td>A</td>
<td>Hinge open.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>B</td>
<td>A switch is active at power on i.e. Toggle Up, Toggle Down, IR Up, IR Down or Learn.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>C</td>
<td>The IR address (dip switch) does not match.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>D</td>
<td>The main power relay is welded closed.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>E</td>
<td>The main power relay did not close.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>F</td>
<td>Brake semi-conductor failed.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>G</td>
<td>Brake not connected.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>H</td>
<td>The main power relay has closed early.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>I</td>
<td>Current limit has closed early.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>J</td>
<td>The main control board has a memory problem.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>K</td>
<td>Powered swivel did not respond.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>L</td>
<td>The main control board has a software fault.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>M</td>
<td>Lift is in “sleep mode” to conserve battery power.</td>
<td>Contact your dealer or Minivator.</td>
</tr>
<tr>
<td>N</td>
<td>Lift is off the charge contacts.</td>
<td>Contact your dealer or Minivator.</td>
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Final limit activated.

Batteries approaching critical level.

The stairlift batteries require charging. The stairlift is not parked on a charging position or is not charging. Drive the lift to the charge contacts – if the ‘Okay’ code does not show or the lift is already on the charge contacts check the power supply is on. Failing this contact your dealer or Minivator.

Press the toggle switch and see if display comes on. Check that the main power switch on the lift is turned on. If this does not clear the fault, contact your dealer or Minivator.

Make sure that power supply is on i.e. Toggle power on i.e. Toggle Up, IR Down or Learn. If permanently showing contact your dealer or Minivator.

Meaning:

- None
- Requires charge.
- Off charge.
- Ends limit activated.
- Footplate.
- Ends limit activated.
- A switch is active at power on i.e. Toggle Up, Toggle Down, IR Up, IR Down or Learn.
- No charge current.
- Half speed.
- The main control board has a memory problem.
- Powered swivel did not respond.
- The main control board has a software fault.
- Lift is in “sleep mode” to conserve battery power.
- Lift is off the charge contacts.

NOTE: If the display is showing anything but the diagnostic codes listed it requires resetting. Drive the lift off the charge contacts. Turn the main switch on the unit off for 10 seconds and then back on.
Appendix 3 – Certificate of Conformity

We

Minivator Ltd

of

82 First Avenue
Pensnett Estate
Kingswinford
West Midlands
DY6 7FJ, England.

Declare under our sole responsibility that the product

Minivator 1000 Stairlift

has been manufactured in conformity with the following standards and specification:

BS5776:1996 Powered Stairlifts
ISO 9386-2 2000-11-01

To which this declaration relates is in conformity with the following national standards:


Signed: [Signature]

Name: G. Welch
Date: 21st January 2008
Position: Engineering Manager

Important information about your stairlift which should be completed by the installation engineer.

Installed by .........................................................(Company Name)

Serial No ..............................................................

Date of installation ..................................................

First service due ....................................................

Dealer Stamp

[Blank space for stamp]