



eFOLDi User Manual

Model: Lifter

Suntech UK Ltd

Contents

3	Welcome
4	Terms and Conditions
7	Product Overview
8	Components
10	Safety Guidance
15	Setting up your eFOLDi Lifter
32	Technical Specifications
33	Appendix

Welcome

Thank you for choosing an eFOLDi product as your mobility solution.

I'm Sumi Wang, the founder of SunTech UK, and would like to welcome you to the eFOLDi family of users.

SunTech UK manufactures a range of assistive technologies to help you get the most from life. Our mission is to give our customers freedom, friendship, and fun through a range of easy-to-use, convenient, and market-leading mobility solutions.

Your eFOLDi has been manufactured to the highest standards, providing you with a product that will offer many years of freedom and fun, backed by reliable service.

Please take some time to read the user manual and the supplied documents before using your eFOLDi product for the first time. This will help you understand the product and help you obtain maximum enjoyment and safety from your new eFOLDi product(s).

You will quickly become familiar with the features with a little practice.

SunTech UK prides itself on its high-quality products and customer support, so please remember to register your product(s) at: <https://efoldi.com/register-warranty>. This will help us to assist you in the event of any difficulties you may experience in the future. I am sure you will find your eFOLDi product to be a reliable friend and companion, and I thank you for your custom and your trust in our products.

Yours,



Sumi Wang

Terms, conditions and disclaimers

The terms 'us', 'we', 'our', 'SunTech UK' and 'SunTech UK Ltd' mean SunTech UK Limited, which is a UK registered company, limited by guarantee, registered with Companies House, number 06906908. The terms 'website' means the website found online at www.efoldi.com. The terms 'you', 'your', 'user' and 'rider', mean the person using the eFOLDi notwithstanding any person(s) handling the eFOLDi on behalf of the user, if different to the user, including general handling, maintenance, repairs and so on.

Purchaser's agreement

By accepting delivery of this eFOLDi, you undertake to not change, alter or modify this eFOLDi and/or any parts supplied with it or subsequently for it, and/or render inoperable or unsafe, any guards, shields or other safety features of this product; fail, refuse or neglect to install any retro-fit kits from time to time, as may be provided by SunTech UK Ltd to enhance and/or preserve the safe use of this product. You also agree to accept and abide by/with the terms and conditions contained herein and as may be revised from time to time and updated on our website, being immediately applicable. By using the eFOLDi and/or accessories and/or components supplied with/or for the eFOLDi, the user acknowledges having read and understood the use(s) and limitations of the product(s) without exception. This shall not act as a waiver of any implied warranties, which the customer retains, as provided by law.

Warranties will be void and SunTech UK Ltd will accept no responsibility whatsoever or howsoever, in instances of misuse and/or abuse of the products, in part or in full, by the user and/or any unauthorised persons,

which may include (but not to be limited to); the user(s) failing to comply with all legal requirements and guidelines, wherever and/or however it is used or intended to be used, lack of or inappropriate maintenance, maintenance (apart from the routine maintenance as described in this manual by the user) by anyone not approved to do so, unapproved repairs, unauthorised disassembly of the vehicle and/or components including (but not limited to) battery pack(s) and controllers, unapproved modifications or alterations, failure to ensure correct folding and unfolding procedures are followed precisely and in full, damage or injury howsoever caused, failure to apply all reasonable and appropriate safety precautions at all times, improper use of the vehicle and/or parts and/or accessories being used by more than one person at any time, use in any competitive sport, racing, stunts, jumping, or other similar activity.

Our liability and the liability of our suppliers to you/or any third parties in any circumstances is limited to the user's cost of qualifying products purchased. Qualifying products as acceptable for the return, as outlined in the return policy, as stated on the website at www.efoldi.com/return-policy. Information in this user manual is subject to change without prior notice. For the latest updates and information, please go to our website at www.efoldi.com.

The eFOLDi Lifter should NOT be used by:

People who are unable to:

- Lift and position it safely*.
- Manage balancing the scooter being lifted,
- Operate all controls fully and as intended.
- Maintain appropriate awareness of all relevant circumstances and take appropriate action as may be required to avoid injury;
- Lift in whole or in part as may be required, dependent upon the user's needs*.

*Unless accompanied by a person sufficiently able and competent to carry out that task.

The lifter is to be used ONLY with specific recommended mobility scooters or power chairs as specified by SunTech UK for its 'eFOLDi' or 'Betty & Bertie' branded products. Not all of our products or batteries are compatible so please check with sales@efoldi.com or services@efoldi.com

Shipping and delivery:

By checking against your sales order or invoice, make sure your delivery is complete, as some components may be individually packaged. If you do not receive a complete delivery, please contact us immediately. Where damage has occurred during transport, either to the packaging or the contents, please contact the delivery company responsible.

Product overview

Indications for use:

The eFOLDi Lifter is designed to easily raise and lower a scooter to the height of an average car boot, allowing users who are unable to manage the lifting of any of our lightweight scooters on their own above 12cm from the floor.

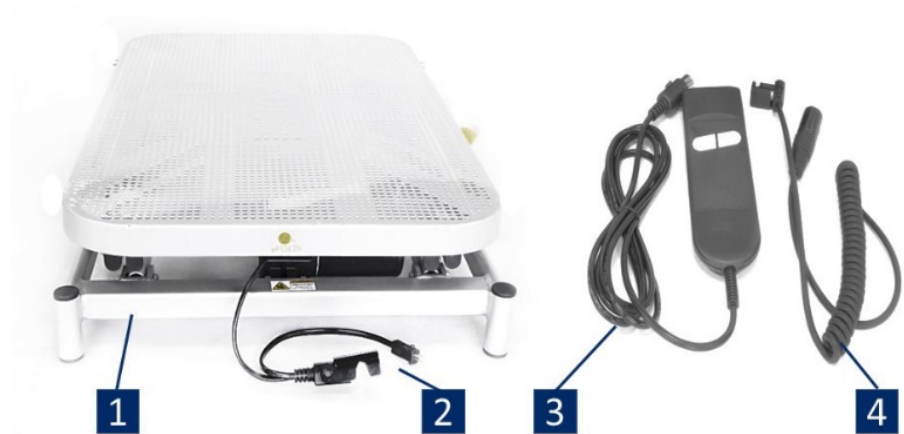
Designed for use with our eFOLDi scooters, the eFOLDi Lifter may be used with many other scooters that are within the 40kg weight limit of the eFOLDi Lifter.

Weighing only 5.2kg and powered using the battery pack from either the eFOLDi Lite, eFOLDi Compass, or eFOLDi Explorer (MK1.5); the eFOLDi Lifter provides users with an effective, simple solution to lifting their scooter without requiring any modification to either their vehicle or their scooter.

Intended use:

The eFOLDi Lifter is intended to allow a person with limited lifting capability to safely load a mobility scooter into their vehicle.

Components



1	eFOLDi Lifter (<i>Main Unit</i>)
2	eFOLDi Lifter electrical connectors (<i>part of Main Unit</i>)
3	Remote Control Unit
4	Power Lead for connecting to the battery*

Note: Cables are normally supplied already connected to the main Lifter unit. Depending on the battery and/or product supplied an adaptor may also be required.

Additional Items



Grey Blanket

The eFOLDi Lifter is designed to be easily rolled into and out of a vehicle.

To ensure no damage or scratches to the external bodywork of the vehicle in use, eFOLDi has supplied a blanket to minimise this risk.

Any simple blanket can be used if your eFOLDi blanket is not available, and Lifter should **not be used** to move a scooter into or out of a vehicle without using either the eFOLDi blanket or an equivalent.



eFOLDi accepts no responsibility or liability for damage to any vehicle where the Lifter has not been used in line with the guidance and instructions contained in this manual.



When a blanket is used take care to make sure the blanket is kept clear of the vehicle's boot catch so that it is not snagged or trapped by the vehicle's boot locking mechanism



KEEP BLANKET AWAY FROM FIRE

Safety guidance

Do not operate your Lifter for the first time without completely reading and understanding this user manual.



Safety Instruction

- Never operate the eFOLDi Lifter while you are under the influence of alcohol;
- Make sure that any surface is level and free of obstructions when setting up the eFOLDi Lifter,
- Keep your hand and other body parts away from the mechanism when it is in use,
- Do not allow unsupervised children to play near this equipment while it is in use,
- Keep pets and other animals away from the eFOLDi Lifter while it is in operation,
- Do not use the eFOLDi Lifter for any purpose other than lifting a scooter which is inside the load limit for the Lifter (maximum rated load 40kg),
- Always switch off and unplug the eFOLDi Lifter from the battery when it is not in use.
- Do not operate the eFOLDi Lifter in extreme weather conditions.



Warning

- It is the user's responsibility to read the manual and supplied documents before using the eFOLDi and to follow all of the recommendations contained within, to fully comply with all local laws of their countries and localities and to use the eFOLDi with due diligence;
- The eFOLDi Lifter is simple to use, but its folding mechanism can cause significant injury if used inappropriately and handled without due care and diligence. To avoid any risk of injury, ensure hands, fingers, jewellery, clothing, and other objects are not allowed to interfere with the folding mechanism or moving parts of the eFOLDi Lifter, and study the manual carefully before you start operating it;
- It is advised that the user familiarise themselves with the controls and handling of the product in a safe area away from obstacles.
- Fully charge the battery(s) before first use and follow the guidelines in this manual and on label on base of battery for prolonging the life of your scooter battery;
- To prevent injury to yourself or others, always ensure that the power is switched off when the product is not in use
- There are certain situations, including some medical conditions, where the user will need to practice operating the product in the presence of a trained attendant. A trained attendant can be defined as a family member or care professional especially trained in assisting a scooter user in various daily living activities;

- **Do not use the product on a gradient or at an angle and ensure the scooter is stable on the platform of the Lifter before raising or lowering the Lifter;**
- Operating in rain, snow, salt, mist, and on icy or slippery surfaces may have an adverse effect on the electrical system;
- Beware that the motor may be hot after use. Do not touch or access the motor directly until it has cooled down;
- Never sit on your scooter when it is being used in connection with any type of lift or hoist. Your scooter is not designed for such use in mind and any damage or injury incurred from such use is not the responsibility of SunTech UK Ltd;
- Your eFOLDi Lifter is NOT a toy and is not recommended for people under the age of 14. Do not allow children to play with it. The internal folding mechanism can cause injury to hands.
- Consult your physician if you are taking prescribed medication or if you have any certain physical limitations. Some medications and limitations may impair your ability to operate the eFOLDi Lifter safely.
Consult with your physician if you are taking any medication that may affect your ability to operate your product safely.



Modification

Your Lifter has been designed to be as practical as possible. However, under no circumstances should you modify, add, remove, or disable any part or function of your Lifter. This will invalidate your warranty.

- Do not modify your eFOLDi Lifter in any way not authorised by eFOLDi;
- Do not use accessories if they have not been tested or approved for eFOLDi products;



Weight & Size Limitation

Do not exceed the weight capacity stated in the Technical Specification section. Exceeding the weight capacity voids your warranty. eFOLDi will not be held responsible for injuries or property damage resulting from failure to observe weight limitations.

If you are using the eFOLDi Lifter for anything other than eFOLDi scooters, you must check that the item will fit safely on the Lifter, making sure that nothing protrudes and that the object is balanced safely and is stable on the Lifter before using the Lifter with other types of scooters.

Do not carry passengers on the eFOLDi Lifter. Carrying passengers on your

eFOLDi Lifter may result in injury. The eFOLDi Lifter is specifically designed for lightweight scooters, **not** people.



Temperature

Some of the parts of the Lifter are susceptible to changes in temperature. The controller can only operate in temperature that ranges between -15°C and 40°C (-5° F to 104° F).



Safety check

- Check all electrical connections. Make sure they are secure and not corroded.
- Check frequently for any loose fasteners, fixings, and other components.



When setting up your eFOLDi Lifter...

- Do not rush when setting up your eFOLDi Lifter;
- Make sure the eFOLDi Lifter is positioned on a level floor or surface;
- Make sure all connectors are properly secured in place.
- Make sure that the scooter is loaded safely and balanced correctly.



Please study the instructions carefully to familiarise the folding procedures, and please only operate one moving part at the same time.

Setting up your eFOLDi Lifter

Your eFOLDi Lifter should come with its cables already attached. If, however, this is NOT the case, the cables can be easily attached using the following guide.



Locate the remote-control unit.



Locate the connector lead on the side of the eFOLDi Lifter.



Plug the remote-control unit connector into the eFOLDi Lifters' matching connector.

Note the orientation of the connectors.



Close the locking catch to secure the connector.



Locate the battery connection cable.

Note: Depending on which product and/or battery we have supplied, an adaptor may be required for your lifter. Only use the one supplied.



Connect the battery lead to the EFOLDi Lifter connector.

Note the orientation of the connectors.



Close the locking catch to secure the connector.

If you wish to disconnect cables for transport or storage



Lift the locking latch



Pull apart the connector

Using the eFOLDi Lifter – Safety First

When using your eFOLDi Lifter always make sure the Lifter unit is on level ground and that the scooter is well balanced.



Lifter platform level and scooter-centred for balance.



Lifter platform at an angle greater than 3° and the scooter not balanced.

REMINDER!

Do not allow unsupervised children to play near this equipment while it is in use.

Keep pets and other animals away from the eFOLDi Lifter while it is in operation.

Loading your scooter...



Place the supplied blanket into the loading area of your vehicle...

Keep the blanket away from the vehicle's boot catch. Do not allow the blanket to be snagged or trapped by the vehicle's boot locking mechanism.

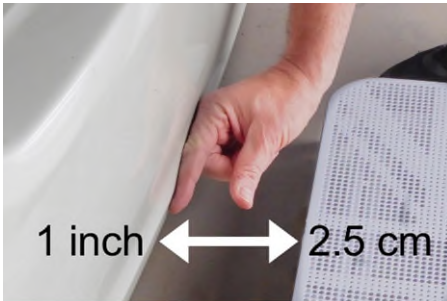


Fold the blanket so that a section of it may be folded out over the lip of the loading area.



Place the Lifter unit onto the ground with the long edge facing the loading area of your vehicle.

Ground must be level and suitably firm to support the weight of the Lifter and scooter.



VERY IMPORTANT!

The Lifter unit should be approximately 1" or 2.5cm from the rear of the vehicle.



Remove the battery from your scooter.

Plug the battery cable connector into the battery.

Lite/Compass battery shown.



The Lifter is now ready to load your scooter.



Roll the scooter close to the Lifter.

Remember to remove the battery.

Note that the seat/backrest of the scooter is facing the vehicle loading area.



Lift the scooter onto the 12cm high Lifter platform.



Ensure the scooter is centred on the Lifter platform and balanced.



Place your foot onto the back cross bar of the Lifter.

You may need to raise the platform slightly to do this.



Use the remote-control handset to raise the Lifter.



While lifting is in progress, be sure to maintain safety by placing a hand on scooter to keep it steady.

Do not allow pets or small children close to the Lifter and ensure the scooter stays safely balanced.



The platform of the Lifter needs to be approximately level with the lip of the loading area of the vehicle.



Fold out a section of the blanket to protect the vehicle's bodywork and paint.



While maintaining downward pressure with your foot onto the lower crossbar of the Lifter, lower the scooter to a flat position and roll the scooter across the gap between the Lifter and the vehicle.



Push the scooter across the lip of the vehicle's loading area.



Position the scooter as required in the loading bay of the vehicle.



Fold the blanket in behind the scooter **BEFORE** lowering the Lifter.

Keep the blanket away from the vehicle's boot catch. Do not allow the blanket to be snagged or trapped by the vehicle's boot locking mechanism.



Lower the Lifter using the remote-control handset.



Disconnect the battery from the Lifter.



Pack the battery and Lifter unit safely in your vehicle.

Unloading your scooter...



Remove the Lifter with its cables and battery from your vehicle.



Place the Lifter unit onto the ground with its long edge facing the loading area of your vehicle.



VERY IMPORTANT!

The Lifter unit should be approximately 1" or 2.5cm from the rear of the vehicle.



Plug the battery connector into the battery.

Lite/Compass battery shown.



The Lifter is now ready to unload your scooter.



Use the remote-control handset to raise the Lifter platform.



When raising the Lifter platform, be mindful of any possible obstructions.



The platform of the Lifter needs to be approximately level with the lip of the loading area of the vehicle



Fold out a section of the blanket to protect the vehicle's bodywork and manoeuvre the scooter so that you can grasp its carry handle.



Place your foot onto the back cross bar of the Lifter.



While maintaining downward pressure with your foot onto the lower crossbar of the Lifter, pull the scooter onto the lip of the vehicle's loading bay and onto the Lifter platform.



Place the scooter upright and make sure it is centred and balanced safely.



Fold the blanket back into the vehicle **BEFORE** lowering the Lifter unit.

Keep the blanket away from the vehicle's boot catch. Do not allow the blanket to be snagged or trapped by the vehicle's boot locking mechanism.



Use the remote-control handset to lower the Lifter platform.

Remove your foot from the crossbar before lowering.



While lowering the Lifter, be sure to maintain safety at all times.

Do not allow pets or small children close to the Lifter and ensure the scooter stays safely balanced.



When the Lifter platform is lowered to its lowest setting of 12cm from the floor...



Simply lift the scooter off the platform.



Disconnect the battery and replace it in the scooter if required, and pack the Lifter away.

Technical Specification

<i>Frame Material</i>	Magnesium AZ61 Perforated Aluminium Sheet (1100 Series)
<i>Surface Treatment</i>	Powder coating/silver/TPH laminated
<i>Folded Size (Lifter Unit Only) L/W/H</i>	64 cm x 40 cm x 12 cm 25.19" x 15.74" x 4.72"
<i>Unfolded Size (Lifter Unit Only) L/W/H</i>	64 cm x 40 cm x 76 cm 25.19" x 15.74" x 26.92"
<i>Weight (Lifter Unit Only)</i>	5.3kg 11.68lbs
<i>Maximum Lifting Capacity</i>	40kg 88.18lbs
<i>Blanket Specifications</i>	100% Polyester 150 cm x 150 cm 59.05" x 59.05" KEEP AWAY FROM FIRE
<i>Motor</i>	29 VDC, 1.8A Linear Actuator
<i>Power Supply</i>	29 VDC battery pack with XLR female sockets (ex. eFOLDi Lite / eFOLDi Explorer (MK1.5) battery packs)
<i>Use</i>	Only for use on flat and stable ground

Specifications are subject to change without notice

Appendix

Supplied by:

Suntech UK Ltd

**Unit H, The Courtyard Business Centre, Dovers Farm, Lonesome Lane,
Reigate, Surrey RH2 7QT, UK**

+44 (0) 203 143 5168

eFOLDi Lifting Platform

Input: DC24V

Power: 75 W



Overall Dimension: 64x40x76 cm

Max loading weight: 40 kg

Net weight: 5.3 kg



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