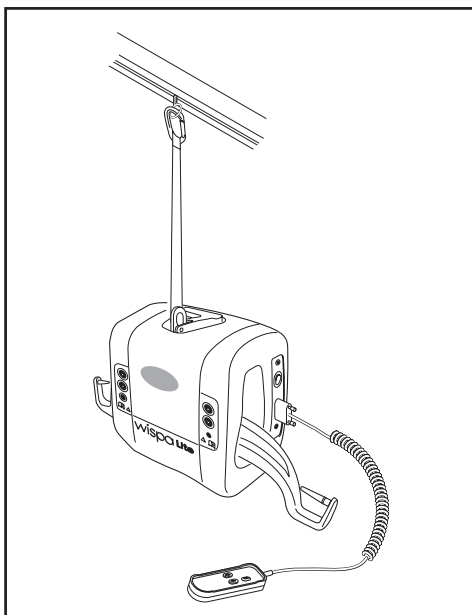


Overhead Hoists

user guide



Wispa™ Lite Portable

Chiltern
Invadex
Solutions for Living



Overhead Hoists

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This product has been designed to the highest standards with safety, strength and quality in mind.

Follow the recommendations in this guide to ensure maximum benefit from your Wispa Lite Portable Hoist. Should you experience any difficulties please consult the troubleshooting guide, prior to contacting your Portable Hoist supplier.

Intended Use of the Product

The Wispa Lite Portable hoist has been designed to lift and transfer a disabled person with the help of a carer. It should be used in conjunction with a Wispa sling and other lifting accessories from the Chiltern Invadex range, as assessed by a trained person.

Note: Not all slings and accessories are compatible with the hoist. If you are unsure please contact your nearest Chiltern Invadex Office.

The correct and appropriate use of this product will reduce the risks associated with manual patient handling. The lifting/transferring task should be assessed by a trained person.

Recommended working procedures

Portable Hoists are designed to offer flexible working over a number of fixed tracks or gantry systems. To ensure maximum flexibility the Wispa Lite should be placed on charge when not in use. The Wispa Lite charger will switch itself off when the batteries are in a fully charged state. The complete charging procedure is shown on page 12.

Safety Considerations

Before you start

- Ensure that all users read this guide before operating the hoist.
- Do not operate the Wispa Lite Portable Hoist without training in the safe operation of the hoist and slings.
- Only use slings which have been assessed as suitable by a trained person.
- The Wispa Lite Portable Hoist should not be used if there is fraying or stitch damage to the lifting tape, lanyard, slings or if the hoist itself is damaged in any way.
- Read the relevant Sling User Guide, which is provided with each sling. It explains in detail how to use slings correctly.
- Before using the Wispa Lite Portable Hoist for the first time ensure the batteries are fully charged.
- Do not exceed the Maximum load of the hoist 200kg (31 stones) (440lbs)

When using the Wispa Portable

- Do not lower the unit into water or splash the unit as this can cause damage to the hoist.
- Do not attempt to lift the Wispa Lite Portable Hoist above waist height to attach it to the track.
- Hoists should only be used to lift vertically. Lifting at an angle will wear the lifting tape prematurely.
- Take care when attaching or removing a sling as the hoist could cause injury to the user if hit in the face.
- Be aware of the potential damage to light fittings etc. when using the Wispa Lite Portable Hoist and attachment hook.
- Ensure when the hoist is in use that the surrounding area is clear and the person being lifted is clear of all obstacles.
- Do not leave a user unattended in the sling.

After use

- Place the Wispa Lite Portable Hoist on charge when not in use.
- Only use the charger supplied with the Wispa Lite Portable Hoist
- The outer case, mechanical parts and track should only be removed by a qualified service engineer.
- Do not touch any of the moving parts in the hoist unit or in the track. Contact Chiltern Invadex for assistance.

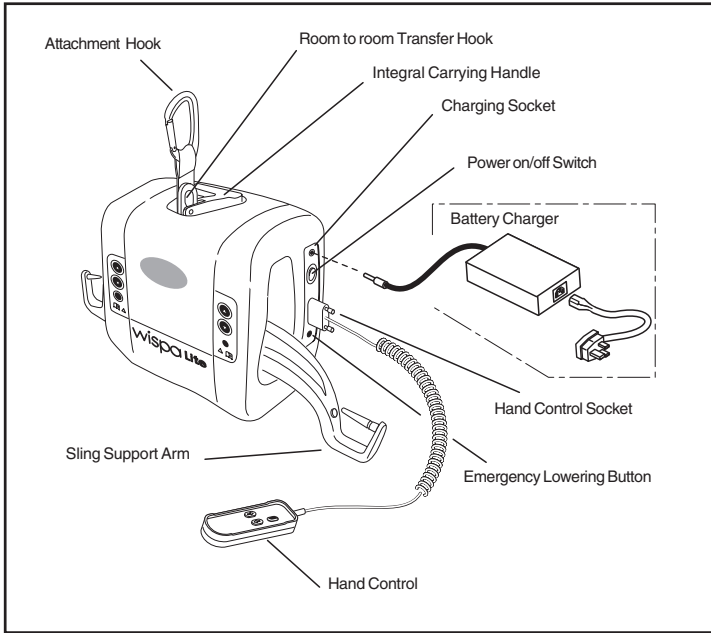
Special Note:

Report any defects in the hoist or slings immediately.

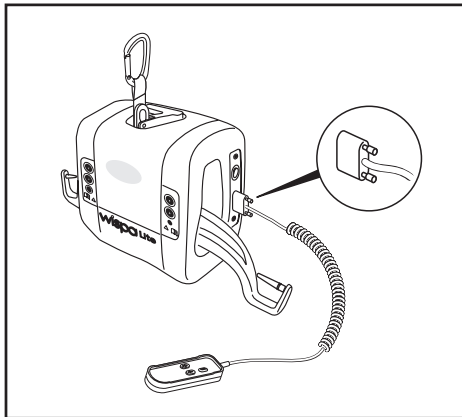
Servicing and Maintenance

Lifting Operations and Lifting Equipment Regulations (LOLER 1998) were made under the Health and Safety at Work Act (1974); LOLER (1998) applies to any item of lifting equipment. Based upon British and European Standard BS EN 10535 and Health and Safety Executive guidance Chiltern Invadex recommend that hoists are fully serviced, including a load test, at least every 12 months with an interim six monthly inspection to conform to (LOLER 1998) requirements. Refer to your supplier for alternative local regulations that may apply.

Using the controls



Connecting the Hand control to the Hoist Unit



Three Button Hand control used on Wispa Hoist Models

Dual controls

The Wispa Lite Portable Hoist can be operated by the controls on the hand control or from the hoist cover.

Operating the controls on the hand control and hoist cover

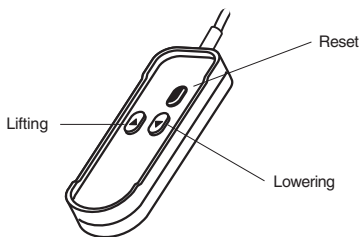
The lifting and lowering functions are controlled by the up and down buttons.

The reset button is used in the event of a hoist malfunction (see troubleshooting guide page 15).

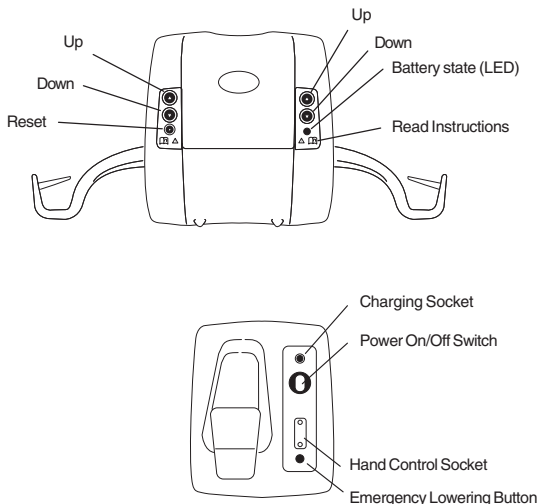
Hand control operation

Note:

The hand control is a sealed low voltage unit, completely safe to use with wet hands.

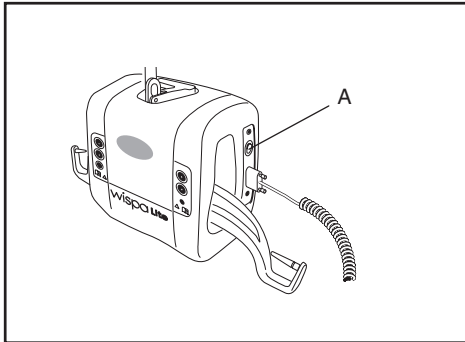


Operation using controls on hoist cover



Emergency Stop - On/off switch

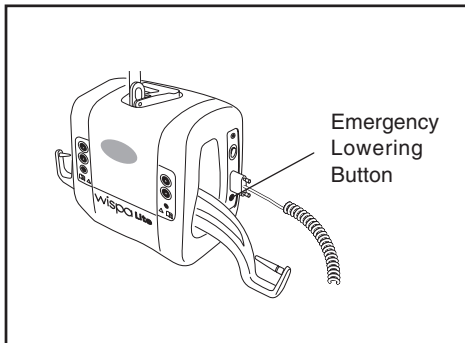
The red power on/off switch (A) provides an emergency cut out facility.



Emergency Lowering

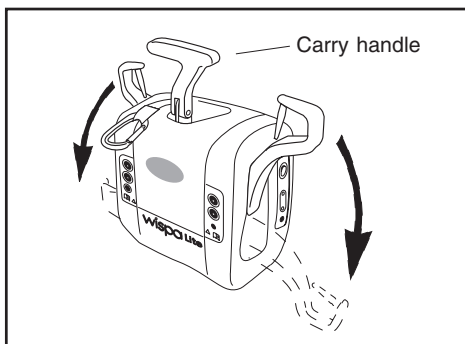
In the unlikely event of a hoist or hand control malfunction the hoist occupant may be lowered using the emergency lowering button.

To operate, push and hold the button on the side of the case, until the client is lowered safely as shown below.



Folding the sling support arms

Fold the sling support arms down fully prior to connecting the sling.

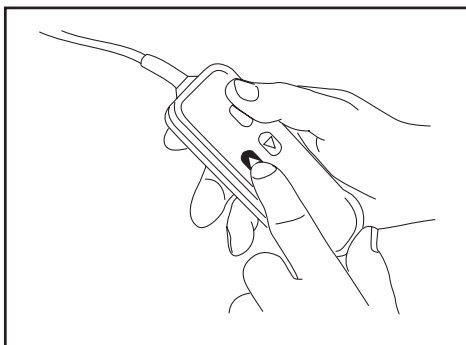


Carrying the hoist

The arms should be folded up when carrying the hoist.

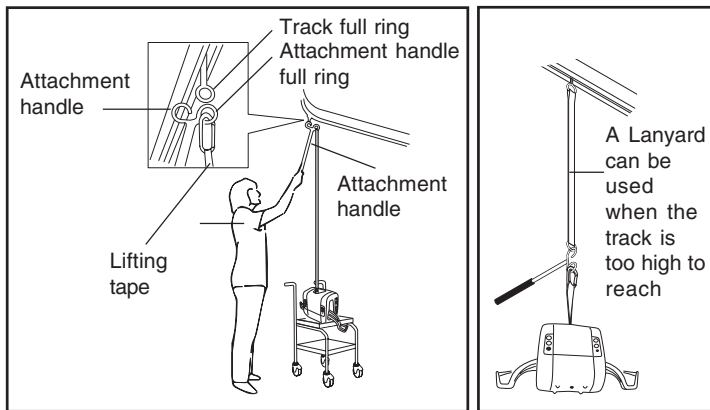
Adjusting the lift/lower speed

Using the hand control (or the controls on the hoist case) press and hold the reset button. Press the direction arrow repeatedly until the desired speed is achieved (the speed increases in increments).



Note: When the buttons are released the hoist will automatically reset itself to normal speed.

Attaching the Wispa Portable to the Track



SAFETY NOTE: IMPORTANT: Do not attempt to lift the Wispa Lite Portable Hoist above waist height to attach it to the track.

1. Place the Wispa Lite on an object for support. A Trolley is available as an optional accessory for this purpose (Part No:OHWPTRANS).
2. Pull the tape out of the case while pressing the down button on the hand control or on the hoist case. Release enough tape to allow the hoist to be connected to the ring on the track without lifting the hoist.

Where the ceiling height is too high to allow direct attachment of the clasp to the trolley, the 'attachment handle' should be used. Attach the lifting tape to the 'attachment handle' as shown in the diagram. Release enough lifting tape to allow the hook of the 'attachment handle' to be attached to the trolley.

3. Connect the hook on the lifting tape to the ring on the 'attachment handle'.
4. Attach the 'attachment handle' hook to the full ring on the track.

A lanyard can also be supplied as an optional extra (available in choice of lengths). Please contact your nearest Chiltern Invadex Office for details.

NOTES:

When the hoist is not under load the tape will need to be pulled out of the case whilst pressing the down button on the hand control.

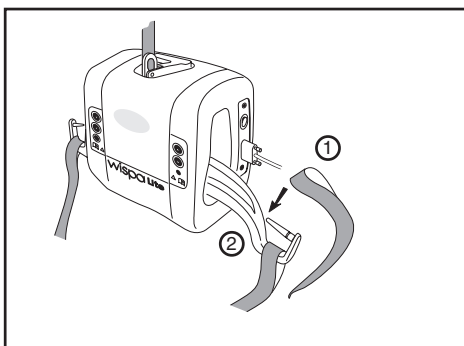
Hoists should only be used to lift vertically Lifting at an angle will wear the lifting tape prematurely

The Hoist should not be used if the lifting tape is worn.

Lifting using the Wispa Lite Portable

Ensure each sling loop is attached correctly (1) to each of the hoist's sling support arms. It must be beneath the retainer to prevent the strap from coming loose, as (2) below.

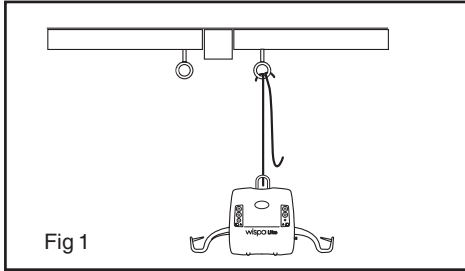
Sling straps should be attached to the hoist's sling support arms in the same order on each side to ensure the sling occupant is lifted evenly.



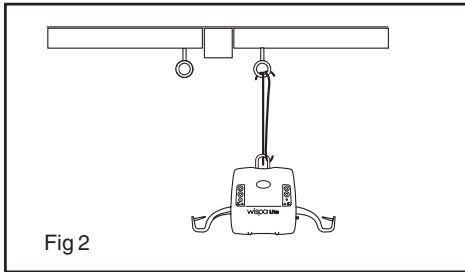
Whilst using the hoist care should be taken to ensure the body of the Wispa Lite Portable is kept at a distance from the sling occupant to avoid potential anxiety or discomfort.

Room to room transfer

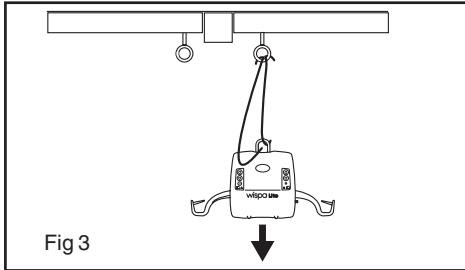
In normal operation the hoist set up should be as Fig 1 - with the swinger kit not attached to the hoist room to room 'lug'.



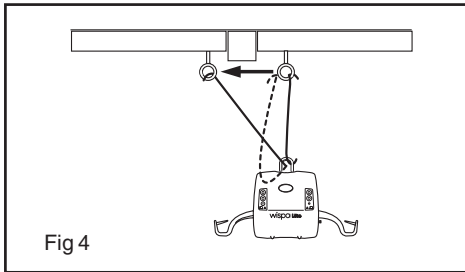
For room to room operation, the swinger kit hook should be attached to the hoist room to room 'lug', as Fig 2.



The hoist should then be lowered to provide slack on the main hoist lifting tape, as Fig 3. Note: Press the down button on the hand control, or on the hoist case, until the hoist stops on its own.

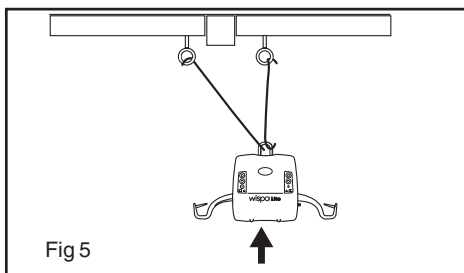


The main lifting tape should then be detached from the trolley set in the first room and attached to the trolley set in the second room, as Fig 4. Note: If the tape is not long enough, pull the tape out of the case while pressing the down button on the hand control or hoist case. Stop when sufficient tape has been released.

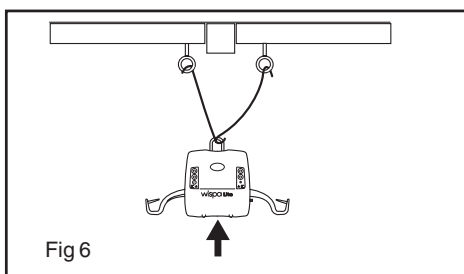


Room to room transfer (cont)

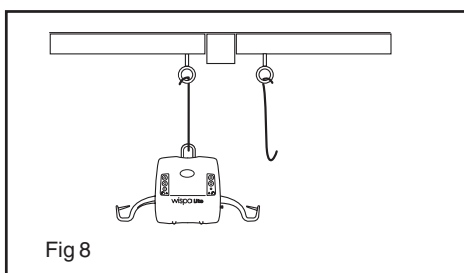
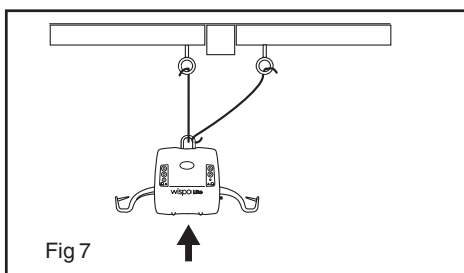
Using the hand control power the hoist UP, as Fig 5.



This will make the first swinger tape slack, as Fig 6.



Detach the first swinger tape from the hoist, as Fig 7. This will leave the hoist in the second room, set up for standard operation (as Fig 8).



Charging the Wispa Lite

Portable Hoists are designed to offer flexible working over a number of fixed tracks or gantry systems. To ensure maximum flexibility it is VERY important to charge the hoist after use. Before using the Wispa Lite Portable Hoist ensure the battery is adequately charged by charging for a minimum of 2 hours.

SAFETY NOTE: IMPORTANT: Only use the charger supplied with the Wispa Lite Portable Hoist.

We recommend that you leave the hoist on charge at all times when not being used. The batteries of the hoist cannot be overcharged. This does not waste energy as the hoist only takes up charge when it needs to. Taking this action will prevent the early deterioration of the batteries and minimise the number of low battery warnings (see below).

To charge the batteries

1. Plug the charger into the mains.
2. Turn on the mains.
3. Turn the hoist on using power on/off switch (see page 4).
4. Connect the charged output plug into charging socket on the hoist unit.

Charge Indications

Initially a solid red LED (see page 5) indicates bulk charge. This changes to a flashing green to indicate 'trickle charge', and the hoist is available for use as required.

Low Batteries

If it has not been possible to keep the batteries charged a low battery is indicated by a red flashing LED and an audible warning of three or four beeps. The hoist should be charged at this point. If the hoist is continued to be used without being charged it ultimately will not lift or lower. If necessary, operate the emergency lowering procedure described on page 6.

Important note

If any beeps are audible then it will be necessary to reset the hoist by pressing and holding down the red button on the hand controls or the 'R' button on the side case until 3 beeps are heard.

Servicing and Maintenance

Based upon EN10535 and Health and Safety Executive guidance Chiltern Invadex recommend that hoists are fully serviced, including a load test, at least every 12 months with an interim six monthly inspection to LOLER requirements. The frequency of servicing should be increased in areas where the environment or heavy usage may cause deterioration of the equipment. Further details can be obtained from any Chiltern Invadex Office, shown on the back of this booklet.

Chiltern Invadex and its Authorised Dealers are able to carry out all aspects of servicing and maintenance work. Maintenance of this equipment should only be conducted by engineers trained and certified by Chiltern Invadex.

Keep the service record (at the back of this booklet) up to date.

Service pricing

Prices are available from Chiltern Invadex Offices to secure a visit from a Chiltern Invadex Service Engineer.

DO NOT USE IF:

1. There is any damage to the hoist.
2. There is fraying or stitch damage to the lifting tape, lanyards or slings.

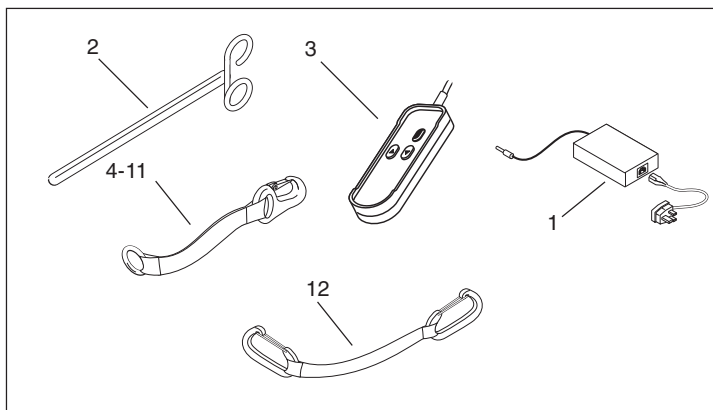
General guidelines to ensure maximum cleanliness

Wipe with a dry cloth (track and hoist). For stubborn marks use a damp cloth and a mild cleanser. Always read the manufacturers instructions prior to applying the cleanser. A solution of 0.1% Sodium Hypochlorite should have no adverse effects on the cleaning of the track and hoist cover.

Slings should be washed in accordance with the instructions on the label, sewn into the sling.

Parts

item	description	qty	part no
1	Input power lead pack c/w charger (UL approved)	1	OHHS200
2	Attachment handle (600mm length) (23.5") 200kg (31stones) (450lbs) max. load	1	OHTRK28
2	Special length attachment handle	1	OHTRK36
3	Hand control	1	300-00042-CI
4	Lanyards 305mm (12") (200kg maximum load)	1	OHTRK201
5	Lanyards 457mm (18") (200kg maximum load)	1	OHTRK202
6	Lanyards 610mm (24") (200kg maximum load)	1	OHTRK203
7	Lanyards 762mm (30") (200kg maximum load)	1	OHTRK204
8	Lanyards 838mm (33") (200kg maximum load)	1	OHTRK205
9	Lanyards 915mm (36") (200kg maximum load)	1	OHTRK206
10	Lanyards 1220mm (48") (200kg maximum load)	1	OHTRK207
11	Lanyard special length	1	OHTRK208
12	Room to room Kit	1	OHHS207



Troubleshooting

symptom	suggested cause	solution
Hoist will not function at all	Switched off	Ensure red rocker switch on hoist is switched on.
Hoist lacking power/ Hoist cuts out while Lifting	Battery power is low	Batteries need charging. Reset hoist, remove load and recharge. See page 12 for charging instructions.
Hoist cuts out while Lifting (LED flashes red in sequence with 1 beep of buzzer, repeated)	Maximum load exceeded	Remove excess load. Reset hoist by pressing and holding reset button until 3 beeps heard.
Hoist cuts out while lowering	Obstruction encountered (slack tape device operates)	Remove obstruction
Cannot dispense sufficient lift tape to connect hoists to track	Insufficient tension on lifting tape (slack tape device operates)	Pull the tape out of the case while pressing the down button on the hand control. See page 8.
Motor is running but hoist will not lift or lower	Tape is tangled inside hoist and may be damaged	Service call required

Troubleshooting continued overleaf

Troubleshooting

Audible and visual signals

	Hoist: Audible/ Visual Posts	solution
1. Power up and self test, hoist reset	3 Beeps, no repeat (light green)	Hoist OK. No action required.
2. Weight overload	1 beep + pause, continuous (red flashing)	Remove excess weight. Reset hoist with handset.
3. Low main 12V Battery	3 beeps + pause continuous (red flashing)	Return to charge position
4. Low main 24V battery	4 beeps + pause continuous (red flashing)	Return to charge position

Important

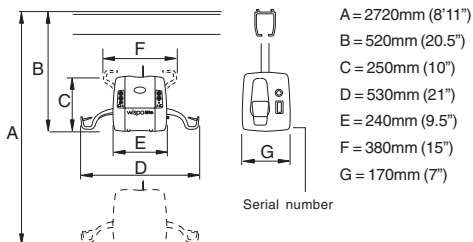
To reset the hoist with the handset press and hold the red reset button on the handset until 3 beeps are heard (see 1 above), or press 'R' on hoists cover.

Hoist Specification

Weight	8kg (17lbs)
Lifting capacity	200kg (31 stones) (440lbs)
Case construction	Vacuum moulded Flame Retardant ABS
Lifting Range	2200mm (7'2") - Top of track to bottom of sling support arm.
No of Lifts per Charge	40*
Battery voltage	24vdc
Overload cut out	<150% maximum load
Hand control	Low voltage hand control (IP67 rated)
Track	Aluminium extruded track coated white
Low battery indication	Audible and visual warning device.

*600mm (23.5") up and down cycle with average 75kg (11.5 stones) (168LB) patient weight.

520mm (20.5") at maximum height, 2720mm (8'11") at lowest position (see Fig A). This range can be lowered using a lanyard (see page 8).



Weights and dimensions are for guidance only.

CE MARK

The Chiltern Invadex Wispa Portable carries the CE mark and complies with EC Directives:

Medical Device Directive (93/42/EEC)

EMC Directive (89/336/EEC)

Low voltage Directive (73/23/EEC)

Warranty

Your Chiltern Invadex Portable Hoist carries a 2 year warranty* from the date of purchase, subject to the following :-

1. Should you experience any problems with our workmanship or materials within the first 2 year period please contact your point of purchase.
2. Repairs made during the warranty period will be carried out free of charge, provided the product has been used strictly in accordance with the guidelines set out in this user guide.
3. Our warranty does not cover replacements, adjustments or repairs which may be required as a result of normal wear and tear, wilful or accidental damage, misuse, neglect or any other cause which is beyond the control of Chiltern Invadex.
4. Modifications and repairs made to this product by unauthorised persons will render the warranty void.
5. Only parts manufactured or approved by Chiltern Invadex shall be used to repair this product. Use of unauthorised parts will invalidate all warranties and remove all liability from Chiltern Invadex for the safety of this product.
6. Chiltern Invadex shall in no event be liable for any damages, costs or expenses arising from any claim made under this warranty (save for any legal liability of Chiltern Invadex for death or personal injury resulting from the company's negligence in respect of its products).
7. This warranty does not affect your statutory consumer rights.
8. The hoist being fully serviced, including a load test at least every 12 months, by Chiltern Invadex or such other person authorised by Chiltern Invadex. Please see page 13 for further details, including pricing information.

* Excludes batteries and lift tape.

Wispa Hoist Service Record

Serviced By

(company)

address

..... **post code**

Engineers Name (please print)

Signature

.....

Date: Load Tested To:Kgs

Comments.....

.....

Serviced By

(company)

address

..... **post code**

Engineers Name (please print)

Signature

.....

Date: Load Tested To:Kgs

Comments.....

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Serviced By

(company)

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Engineers Name (please print)

Signature

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Date: Load Tested To:Kgs

Comments.....

.....

Serviced By

(company)

address

..... **post code**

Engineers Name (please print)

Signature

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Date: Load Tested To:Kgs

Comments.....

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Models covered

Wispa portable
OHWPL

Please fill in the information below for future reference

Dealers Name

.....

Address

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..... Post Code.....

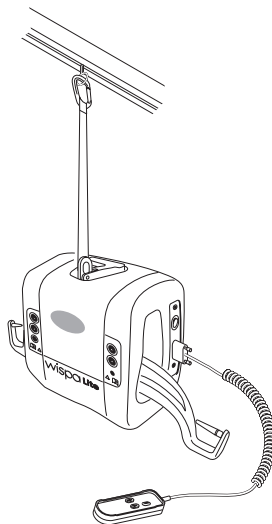
Telephone

Your Serial Number is

.....

Date of purchase

.....



Overhead Hoists



Solutions for Living

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