

Transactive Xtra Ceiling Track Hoist



1	Introduction	4
1.1	Intended Use	4
1.2	Manufacture	4
1.3	European Authorised Representative.....	4
1.4	Symbols Used.....	5
1.5	Contraindications / Limitations	6
1.6	Safety Instructions and Warnings	6
1.7	Electromagnetic Compatibility (EMC) Statement.....	9
2	Configurations and Key Components.....	11
2.1	Product Configurations	11
2.2	Key Components.....	12
3	Applied Parts.....	13
3.1	Body Floating (BF) Applied Parts	13
3.1.1	Carry Bar.....	13
3.1.2	Slings	14
3.2	Handset.....	15
3.2.1	Handset Storage.....	15
4	Ceiling Hoist Operation.....	16
4.1	Turning the Ceiling Hoist ON and OFF.....	16
4.2	Raising and Lowering the Carry Bar.....	16
4.3	Traversing the Ceiling Hoist	17
4.3.1	Manual Traverse Ceiling Hoist.....	17
4.3.2	Powered Traverse Ceiling Hoist.....	17
4.4	Charging the Ceiling Hoist.....	18
4.4.1	Transformer Status.....	19
4.5	Emergency Operation	20
4.5.1	Emergency Stopping	20
4.5.2	Emergency Lowering	20
4.5.3	Manual Emergency Lowering.....	20
5	Technical Specification.....	21
5.1	Ceiling Hoist Dimensions.....	21
5.2	Specifications	22
5.3	LCD and LED Indications	23
5.4	Standards Applied.....	23
6	Environmental Conditions	24
6.1	Operating Environment.....	24
6.1.1	Normal Operating Conditions	24
6.2	Storage Conditions.....	24
6.2.1	Shipping and Storage Conditions.....	24
7	Daily Checks.....	25
7.1	Lift Tape Caution	25
8	Cleaning	26



8.1	Ceiling Hoist Cover Cleaning	26
8.2	Lift Tape Cleaning	26
8.3	Disinfecting	26
9	Servicing.....	28
10	Troubleshooting.....	28
11	Disposal.....	29
12	Warranty	30
13	Service Record History	31

1 Introduction

This manual includes the TX Xtra 200KG and 270KG ceiling track Hoist, along with all variants and various track types.



Please read and understand this manual in its entirety before using your ceiling track hoist. The information in this manual is important for the safety of anyone near the ceiling hoist and must be read and understood to help prevent injuries. It is also crucial to the proper operation and maintenance of the ceiling track hoist.

This user manual should be kept safe for future reference. Contents of this manual are subject to change without prior written notice.

Should any questions arise from reviewing this manual, contact your local authorised representative.

If, during the use of this device a serious incident has occurred, please report it to the manufacturer and to your national authority.

1.1 Intended Use

The ceiling track hoist is a raising and lowering aid used to transfer people safely and is designed to be used in combination with a ceiling track and slings, together these three items make up the ceiling track hoist system. The hoist makes it possible to move mobility impaired individuals with minimal strain or risk to the caregiver, while providing complete safety, dignity and comfort for the person being moved. It can raise up an individual from one location, such as a bed, move the individual along the track to another location and finally lower the individual, such as into a chair or a bath. The hoist is designed for internal use only. No other environments are suitable.

The ceiling hoist is designed to be operated by both professional health care workers and home health care workers who may not have a specific range of skills in health care. Typical home care users may include, but is not limited to, teachers, medics, paramedics, carers, family, and friends. Focusing on the dignity and wellbeing of the person being moved, the simple to use hoist maximises the amount of care provided to the person.

You may need to seek a specialist advice on how to assist some people with specific moving and handling needs. Sources of advice include, but is not limited to, professional bodies and organisations, occupational therapists, physiotherapists, manual handling advisers and ergonomists with experience in health and social care.

1.2 Manufacture

The product is manufactured at the address below:



Prism Medical UK

Unit 1, Tir Llwyd Industrial Estate, St Asaph Avenue, Kinmel Bay, Conwy, LL18 5JZ
Telephone number: 01924 840100.

1.3 European Authorised Representative

The address of the European Authorised Representative for this product:



European Healthcare & Device Solutions (Ireland) Ltd.
Stratton House, Bishopstown Road,
Cork, Ireland.
T12 Y9TC.
Telephone number: +353(86)2280846.

1.4 Symbols Used

The table below includes all symbols from BS EN ISO 15223-1:2021 that can be found in this manual and on the product and what they represent. Refer to this table when you are unsure of what a symbol represents.

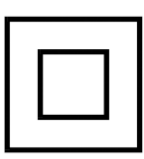
			
Place of Manufacture	Country of Manufacture	Serial number	Catalogue Number
			SWL
Caution – see instructions for use	Consult instructions for use	UK Conformity Assessed	Safe Working Load
			
For internal use only	Packaging indicator – Keep dry	Do not use if package is damaged	Packaging indicator – This way up
			
Fragile, handle with care	Please observe local laws on recycling	Non-sterile	Atmospheric pressure limitation
			IP_{N1}N₂
Temperature range	Humidity range	Class II Equipment	Degree of protection provided by enclosure. N1: Ingress of particles N2: Ingress of water
			
Type 'B' applied part	Type 'BF' applied part	European Authorised Representative	

Table 1-1

1.5 Contraindications / Limitations

There are no known "contraindications" associated with the usage of ceiling track hoist, provided it is used as per the manufacturer's recommendations and guidelines. However, it is recommended that a client specific assessment is completed by a trained and knowledgeable health care professional to determine the method of transfer and use.

The manufacturer does not recommend a required number of operators for the use of our products. This information and recommendation can only be provided after a thorough personalised, case specific assessment, as there are many factors that can influence these decisions.

Limitations of the hoist include:

- The hoist should only be operated by competent and trained persons.
- The hoist should only be used with patients weighing under the safe working load of the hoist.
- Between the hoist, sling, carry bar and track system, the lowest safe working load of the components should not be exceeded.
- The hoist is only to be used within the track it is installed into. Hoists must only be relocated by an authorised person.
- The hoist is only compatible with the allocated slings found within this manual.
- Hoists are designed for human transfer only. There is no other application to this product.
- The operator of the hoist must always pay attention to the well-being of the patient. Patients should not be left unsupervised during operation.
- The hoist is not designed for self-hoisting. A carer must operate the hoist during use.

1.6 Safety Instructions and Warnings

Ensure to read and understand all the statements below, for the safety of the caregivers and users, along with warranty requirements. Failure to comply with warnings in this manual may result in; injury to the operator and/or client and/or damage to the hoist or related components.

- If you are unsure on the correct use of this product, please contact the manufacturer or a professional for further information or training.
- The ceiling track hoist and associated accessories are not toys. Do not use it for unsafe practices. Do not allow children to play with the product or any of its components. The hoist should not be used for any practice except its intended use.
- In facilities where more than one operator will be responsible for using the hoist, it is important that all such members be trained on the product prior to use. A training program should be established by the facility to acquaint new operators with this equipment.
- Your guarantee is void if persons unauthorised by the manufacturer perform work on the hoist.
- To maintain optimum function, the product should be inspected and maintained on a regular basis. See section 'Daily checks, Servicing and Cleaning' within this user manual.
- This user manual provides a list of standard accessories that have been approved.
- The product and the associated accessories are intended only for hoisting and transferring of a person. The manufacturer will not be responsible for any damage caused by the misuse, neglect, or purposeful destruction of the equipment and/or its associated components.
- Any accessories used with the product should be checked before each use to ensure that they are in good working order. Check for signs of wear and ensure that all labels are legible. Report any unusual wear to your local authorised dealer.



- Ensure that a clear space is maintained around the hoist. Before using the ceiling hoist, always check for and move away any obstacles.
- Never leave a user unattended in the ceiling hoist.
- If additional accessories have been supplied with the hoist, refer to the instructions included with those items.
- The hoist must be installed on the ceiling track prior to use.
- The hoist must be installed only by persons authorized by the manufacturer.
- Under no circumstance should the hoist, track, sling, or entire system be put in control of a person who has not been properly trained in the use and care of this equipment. Failure to adhere to this warning may result in serious injury to the operator, and / or the individual being hoisted / transferred.
- Unauthorised modifications on this product may affect its safety. The manufacturer will not be held responsible for any accident, incident or deficiencies of performance that occur because of any unauthorised modification to its products. Your guarantee is void if any modifications are made that are not authorised by the manufacturer. This includes, but is not limited to, shortening the length of the emergency red cord – for example, tying it up or cutting it.
- There are no user serviceable parts inside the cover of the hoist, likewise for any components of the associated parts. Do not remove cover screws, or open the hoist unit, as this will VOID THE GUARANTEE/WARRANTY.
- Never expose the hoist directly to water. Your guarantee does not cover any misuse or abuse of the hoist system.
- The ceiling hoist and associated accessories, track and sling(s) are intended only for hoisting and transferring of a person. We will not be responsible for any damage caused by the misuse, neglect, or purposeful destruction of the hoist, and/or its associated components.
- The installation of the hoist and its associated parts are certified to a maximum load of 440 lb/600 lb, depending on the model. Do not exceed the maximum rated load of any of the components.
- There is a risk of explosion if the ceiling hoist is used in the presence of flammable anaesthetics.
- Your ceiling hoist is for human hoisting. Do not use it, or allow it to be used, for any other purpose.
- In areas where children are likely to be present be vigilant when operating the hoist.
- Protecting the people present, visually monitor sling loop connection points during raising, lowering and transfer stages so the sling remains firmly attached to the carry bar.
- To reduce the risk of unintended use, when the hoist is not in use remove the sling(s) from the product to prevent entrapment or strangulation should the device be tampered with.
- The hoist batteries are not a user serviceable part. Contact your local authorised dealer to arrange for replacement.
- Before initial use, the hoist must be charged for approximately 8 hours. Refer to section 'Charging the Hoist'. The handset must also be connected to the hoist. To connect the handset, refer to the section 'Connecting the Handset to the Hoist'.
- Between the Ceiling Hoist, Carry Bar, Sling and other accessories, the lowest maximum load shall always be used.

- A risk assessment must be performed before using any other manufactured sling, carry bar or ceiling track to ensure 'safe' use can be established.
- Risk of strangulation: Please make sure handset cable and lift tape are always clear of all persons.
- Risk of impact with carry bar: Please take care to ensure the carry bar is clear of the person in the sling when preparing to raise/lower and move them to avoid any contact with that person.
- Risk of collision: The person operating the hoist should make sure that when raising, lowering, or moving the hoist that no people or objects will obstruct, be injured or damaged by the movement.
- Ensure that the person being hoisted is always raised clear of the floor when using the hoist.
- Ensure the lift tape is vertically aligned with the hoist when raising or lowering the carry bar. Any deviation from this can cause the tape to fray and result in its potential failure.
- Serious Injury: If, during the use of this device or because of its use a serious incident has occurred, please report it to the manufacturer and to your national authority.
- Electric Shock: Do not insert any objects into the hoist case or battery charging station because of potential risk of electric shock. To reduce the risk of electric shock, do not install or operate the battery charger with a damaged cable or if the unit has been dropped or damaged.
- Portable RF Communication Devices: Portable RF communications equipment (including peripherals, such as antenna cables and external antenna) should be used no closer than 30cm (12 inches) to any part of the Ceiling Track Hoist, including cables specified by the manufacturer, otherwise degradation of the performance of this equipment could result.
- Vicinity to Other Equipment: Use of this equipment adjacent to or stacked with other equipment should be avoided, as it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- Specified Accessories: Use of accessories, transducers, and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.



You may need to seek specialist advice on how to assist some people with specific moving and handling needs. Sources of advice include, but is not limited to, professional bodies and organisations, occupational therapist, physiotherapists, manual handling advisers and ergonomist with experience in health and social care.

1.7 Electromagnetic Compatibility (EMC) Statement

The following statement has been made against the assumption that the user of the system utilises the provided components supplied by the manufacturer of the device to operate the device as intended. DO NOT use any other form of power charge with the system as the manufacturer's adapter has been assessed and complies with the EMC requirements.

This product, has been designed, manufactured, and tested in accordance with the legal requirements for the environment in which the device will be used within.

Pacemakers, defibrillators, and other medical devices should be manufactured in such a manner that they can withstand Electromagnetic Interferences (EMI) in accordance with their associated mandatory European directives and regulations. Please consult the user alert card which would have been issued to the user regarding the use of electrical items for those individuals fitted with these or any other devices.

If users of this equipment are unsure of its compliance to EMC, you can request the confirmation from the manufacturer that the product is manufactured to the appropriate Electromagnetic Compatibility standard.

A brief summary of the tests carried out in accordance with IEC 60601-1-2 is shown in the table below.

The Hoist is also classified as Class B according to CISPR 11:2009 for the home health care environment.

The use of the device within the correct area where the intended use is given will have no detrimental effect on other devices that have been tested to their intended respective requirements.

Section	Specification Clause	Test Description	Results	Comments/ Base Standard
Configuration and Mode: Test setup standby				
2.1	4.4.1	General Requirement; Risk Management Process for ME Equipment and ME Systems	Pass	
2.2	5	Identification, Marking and documents	Pass	
Configuration and Mode: Test setup charging				
2.3	7.1.1	Mains Terminal Disturbance Voltage	Pass	CISPR 11: 2009 A1:2010 EN 55016-2-3: 2004 + A1:2005
2.4	7.1.1	Electromagnetic Radiation Disturbance	Pass	CISPR 11: 2009 A1:2010 EN 55016-2-3: 2004 + A1:2005
2.5	7.2.1	Harmonic Current Emissions (AC Power Port)	Pass	EN 61000-3-2: 2014
2.6	7.2.2	Voltage Fluctuations and Flicker (AC Power Port)	Pass	IEC 61000-3-3: 2013
2.7	Table 4	Immunity to Electrostatic discharge (Enclosure Port)	Pass	IEC 61000-4-2 2008
2.8	Table 4	Immunity to Radiated RF Electromagnetic fields (Enclosure Port)	Pass	IEC 61000-4-3: 2006 A2:2010
2.9	Table 4	Immunity to Proximity Fields from RF Wireless Communication Equipment (Enclosure Port)	Pass	IEC 61000-4-3: 2006 A2:2010
2.10	Table 5	Immunity to Surges (AC Power Port)	Pass	IEC 61000-4-5: 2005
2.11	Table 5	Immunity to Electrical Fast Transient / Burst (AC Power Port)	Pass	IEC 61000-4-4: 2012
2.12	Table 5	Immunity to Conduct Disturbances Induced by RF Fields (AC Power Port)	Pass	IEC 61000-4-6: 2013

2.13	Table 5	Immunity to Voltage Dips and Voltage Variations (AC Power Port)	Pass	IEC 61000-4-11: 2004
2.14	Table 5	Immunity to Voltage Interruptions (AC Power Port)	Pass	IEC 61000-4-11: 2004
In-Track charging system stand testing				
2.7	Table 4	Immunity to Electrostatic discharge (Enclosure Port)	Pass	IEC 61000-4-2 2008
Configuration and Mode: Test setup standby				
2.4	7.1.1	Electromagnetic Radiation Disturbance	Pass	CISPR 11: 2009 A1:2010 EN 55016-2-3: 2004 + A1:2005
2.7	Table 4	Immunity to Electrostatic discharge (Enclosure Port)	Pass	IEC 61000-4-2 2008
2.8	Table 4	Immunity to Radiated RF Electromagnetic fields (Enclosure Port)	Pass	IEC 61000-4-3: 2006 A2:2010
2.9	Table 4	Immunity to Proximity Fields from RF Wireless Communication Equipment (Enclosure Port)	Pass	IEC 61000-4-3: 2006 A2:2010
Configuration and Mode: Test set up operating up and down				
2.4	7.1.1	Electromagnetic Radiation Disturbance	Pass	CISPR 11: 2009 A1:2010 EN 55016-2-3: 2004 + A1:2005
2.7	Table 4	Immunity to Electrostatic discharge (Enclosure Port)	Pass	IEC 61000-4-2 2008
2.8	Table 4	Immunity to Radiated RF Electromagnetic fields (Enclosure Port)	Pass	IEC 61000-4-3: 2006 A2:2010
2.9	Table 4	Immunity to Proximity Fields from RF Wireless Communication Equipment (Enclosure Port)	Pass	IEC 61000-4-3: 2006 A2:2010
Configuration and Mode: Test setup standby				
2.1	4.4.1	General Requirement; Risk Management Process for ME Equipment and ME Systems	Pass	
2.2	5	Identification, Marking and documents	Pass	

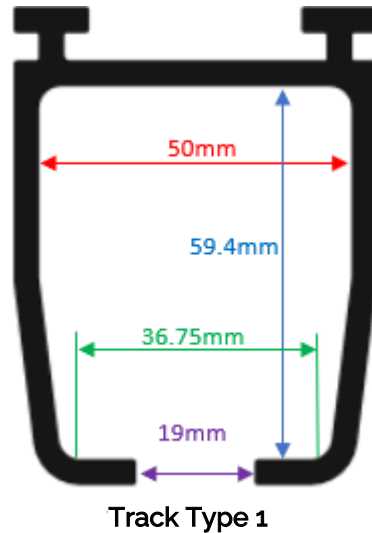
Table 1-7-1

2 Configurations and Key Components

2.1 Product Configurations

Below is a list of the track profiles that the hoist can be installed into through the different configurations. The below profiles must match your pre-installed track for the hoist to be installed. The table below includes all the configurations available with this hoist.

Figure 2-1-1



Track Type 1

Part Code	Description	Trolley Type
134400	Freeway Transactive Xtra - 200kg - 2 Way - Manual - Track Type 1 - Australia	Track Type 1
134401	Freeway Transactive Xtra - 200kg - 4 Way - Driven - Track Type 1 - Australia	Track Type 1
134402	Freeway Transactive Xtra - 270kg - 2 Way - Manual - Track Type 1 - Australia	Track Type 1
134403	Freeway Transactive Xtra - 270kg - 4 Way - Driven - Track Type 1 - Australia	Track Type 1
134407	Freeway Transactive Xtra - 200kg - 2 Way - Manual - Track Type 1 - QRS - Australia	Track Type 1
134408	Freeway Transactive Xtra - 200kg - 4 Way - Driven - Track Type 1 - QRS - Australia	Track Type 1
134409	Freeway Transactive Xtra - 270kg - 2 Way - Manual - Track Type 1 - QRS - Australia	Track Type 1
134410	Freeway Transactive Xtra - 270kg - 4 Way - Driven - Track Type 1 - QRS - Australia	Track Type 1
134405	Freeway Transactive Xtra - 200kg - 6 Way - Driven - Track Type 1 - QRS - PH - Australia	Track Type 1
134406	Freeway Transactive Xtra - 270kg - 6 Way - Driven - Track Type 1 - QRS - PH - Australia	Track Type 1

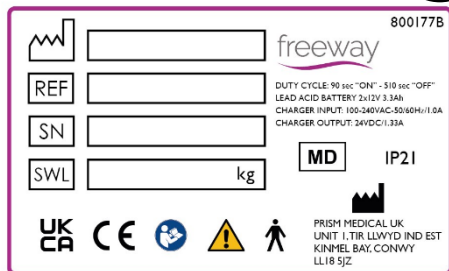
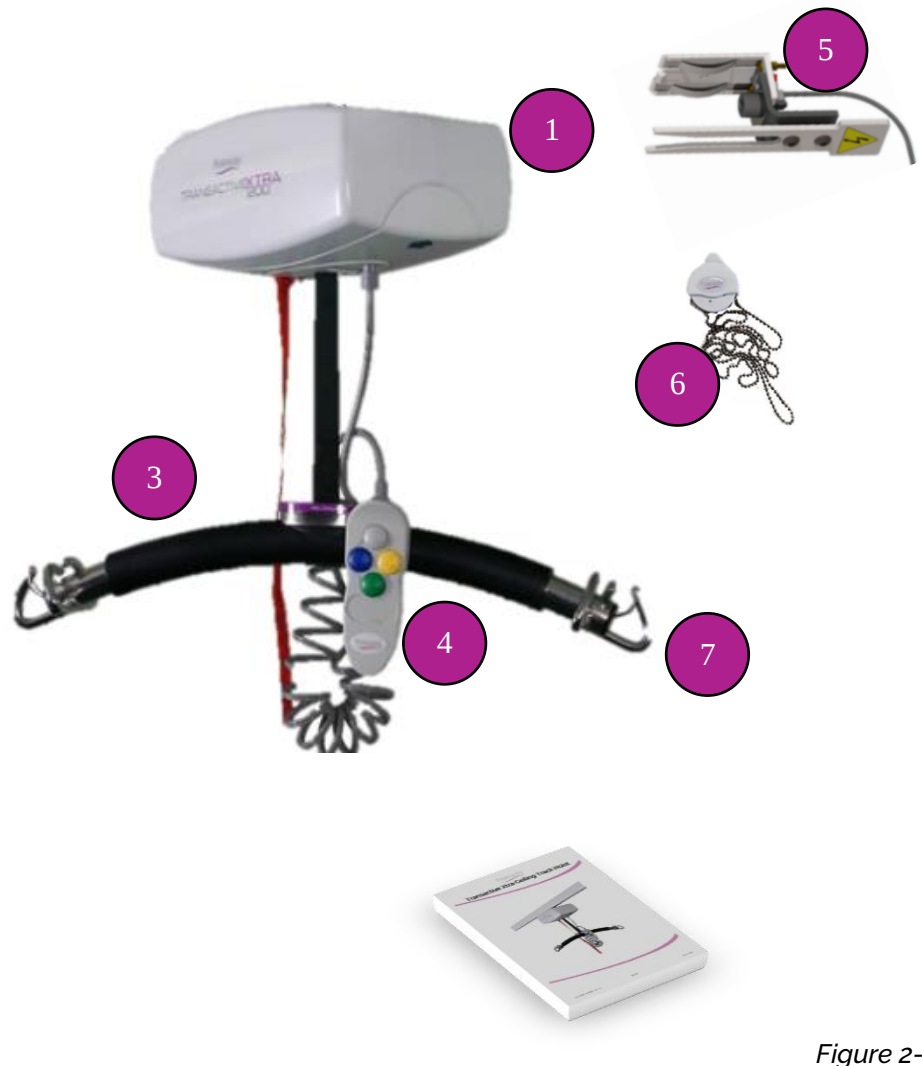
Table 2-1-1

2.2 Key Components

Please see below to familiarise yourself with the components of the TX Advance Hoist. The images below show the contents of the ceiling track hoist. If you have not received all the components contact your local dealer immediately – contact details are provided on the last page of this manual.

Item	Description
1	Transactive Xtra Hoist
2	Info Label
3	Carry Bar
4	Handset
5	Hoist Charger
6	Emergency Wind Down Key
7	User Manual

Table 2-2-1



(Located on the side cover)

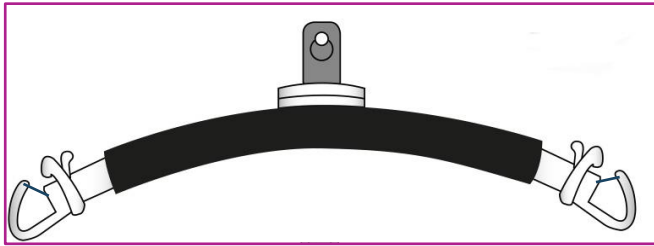
Figure 2-1

3 Applied Parts

3.1 Body Floating (BF) Applied Parts

A Body floating applied part is a detachable component that has medium to long term contact with the user and carer. This includes the carry bar and sling.

Figure 3-1-1



Carry Bar

Figure 3-1-2



Slings

3.1.1 Carry Bar

The carry bar is an essential applied part of the ceiling hoist system. The carry bar incorporates three fixing point options at either end of carry bar, with a safety retaining clip on the outer hook. The carry bar is the link between the ceiling hoist and the sling, allowing the user to be transferred.

To attach the carry bar, see the guidelines below:

1. Open the red retaining tab on the QRS by pushing it down. (See figure 3.1.1.1)
2. Hold the carry bar horizontally and insert the boss into the QRS hook. (See figure 3.1.1.2)
3. Pivot the carry bar down to its natural position and release the retaining tab to secure. (See figure 3.1.1.3)



Figure 5-1-4

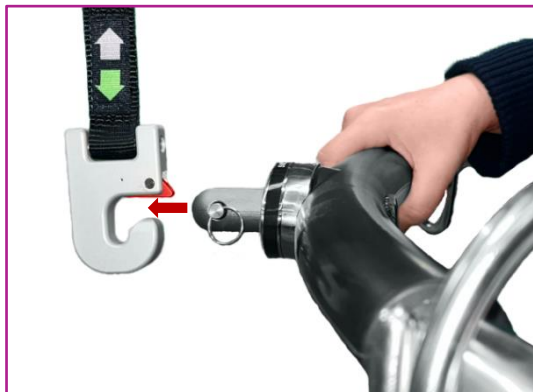


Figure 5-1-5



Figure 5-1-6

3.1.2 Slings

The sling is a specially designed fabric accessory that attaches to the ceiling hoist through the carry bar. The sling is used to comfortably support the user during transfer. The sling is supplied separately from the ceiling hoist at the initial time of purchase. To choose an adequate sling, the user should be assessed prior to purchase for their specific requirements. See list below for compatible slings that are recommended for use with this ceiling hoist. For full list and further information on available slings, contact your local dealer.

It is at the user's discretion to use alternative supplied product. In utilising another manufacturer's sling, checks must first be made to ensure the sling is safe to use and meets the requirements of BS EN ISO 10535 before its use and a full risk assessment to be carry out before use.

Always ensure that the sling SWL aligns with the ceiling hoist, for any component found across the system, the lowest SWL must never be exceeded.

Mackworth Sling Range	Prism Sling Range	Care-Ability Sling Range
Mackworth Oak	Universal	Universal
Mackworth Yew	Hammock	Universal Deluxe
Mackworth Hazel	Comfort Recline	Toilet Access
Mackworth Willow	Deluxe Support	Hammock
Mackworth Beech	Cressy	Classic Hammock
Mackworth Pine	Dual Access	Deluxe Hammock
	General Purpose	Comfort In Chair Hammock
		Split Leg in Chair Hammock

Table 3-1-2-1

The way the sling is attached to the carry bar needs to be assessed on individual basis and documented in the individual's care plan. Furthermore, the person attaching the sling should reference the slings user manual for the recommended colour coded loop attachment method, as well as the correct fitting requirements for the user. Only after the correct fitting requirements is fully understood should the sling loops be fitted onto the carry bar.

To attach the sling to the carry bar, follow the guidelines below:

1. Pull the safety retaining clip back to access the carry bar hook. (See figure 3.1.2.1)
2. Place the chosen sling loop onto the hook. (See figure 3.1.2.2)
3. Release the safety retaining clip to secure the loop onto the carry bar. (See figure 3.1.2.3)



Make sure the required loop(s) are on the correct hooks and are correctly positioned.



Figure 3-1-2-1



Figure 3-1-2-2



Figure 3-1-2-3

To remove the sling, simply reverse the process – pull back on the spring locking mechanism, lift the loop out of the hook and release the locking mechanism.

3.2 Handset

The handset is an essential applied part of the ceiling hoist system. The handset has two to six buttons depending on the chosen ceiling hoist. The handset is used to operate the ceiling hoist, including raising and lower the carry bar, traversing the ceiling hoist along the track, and operating powered auxiliaries (such as turntables).

We recommend that handset should never be detached from the ceiling hoist, but in an instance that the handset becomes inadvertently detached. See guidelines below to reattach the handset.

1. The handset grommet attaches to the airline grommet on the underside of the ceiling hoist. Align the profile of the grommets together and insert the handset brass inserts into the air grommet holes. See images below for reference. Make sure that the handset is fully inserted onto the airline grommet.



Figure 3-2-1



Figure 3-2-2



Figure 3-2-3

2. Test the handset by operating each button to ensure that the command functions as intended. (See operating instructions for further details)



A sturdy ladder or steps may be required to access the underside of the ceiling hoist to attach the hand controller. Caution should be used when this is required.

3.2.1 Handset Storage

The Handset is designed to be stored on the carry bar. The Handset has a hook attached to the rear face which will slot nicely onto the carry bar (See figure 3-2-1-1). It is recommended that the Handset be always stored on the carry bar when not in use for safe keeping and easy access.



Figure 3-2-1-1

4 Ceiling Hoist Operation

4.1 Turning the Ceiling Hoist ON and OFF

This toggle switch has three states, On, Off and E-Lower. These features should only be operated in an emergency, but if the red pull cord has been pulled by accident, to turn the ceiling hoist back on, the toggle switch, as shown in Fig. 4-1-1 must be pressed vertically into the slot. Once this is done, press any button on the handset to “wake up” the ceiling hoist, the display screen will turn on and the LED will display a steady green.

To conserve battery, the ceiling hoist will automatically shut off after approximately two minutes of non-use.



Figure 4-1-1

4.2 Raising and Lowering the Carry Bar

To raise and lower the carry bar, operate the grey and green buttons found on the handset. The grey button raises, and the green button lowers the carry bar. This aligns with the arrows found on the lift tape. This applies across all varying handsets.

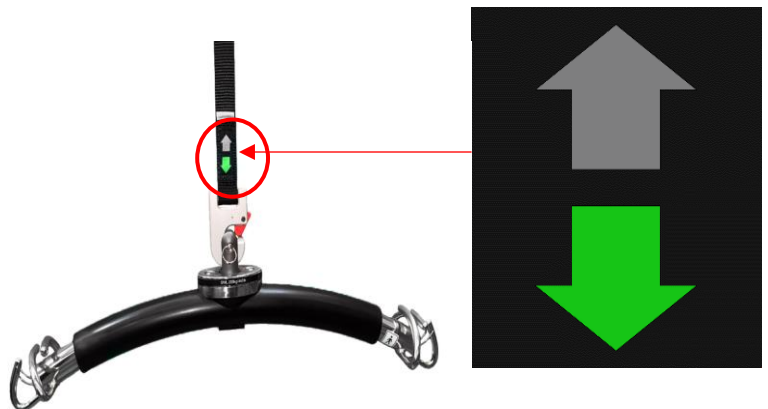


Figure 4-2-1

It is recommended that the operator hold the carry bar with one hand while raising/lowering is being done. This will stop the bar accidentally swaying and/or encountering an individual or close object. For the same reasons, raise the carry bar above head height when not in use and when traversing the unloaded ceiling hoist.



In addition, the lifting tape must be kept vertically in line with the hoist when raising or lowering the carry bar. Any deviation from this can cause the tape to fray, leading to potential failure of the hoist. Please note that if the hoist fails due to improper handling, it will not be covered by warranty, and you will be liable for the cost of the replacement tape.

4.3 Traversing the Ceiling Hoist



Always use extreme care when moving the ceiling hoist along the track. Watch out for and avoid any obstructions that may cause injury to the individual in the sling, damage to the ceiling hoist and/or to the obstruction.

NEVER pull the ceiling hoist along the track using the handset, sling, or the emergency cord as this could have a detrimental effect on the performance of the ceiling hoist.

See the relevant section below for a manual traverse or a powered traverse ceiling hoist.

4.3.1 Manual Traverse Ceiling Hoist

The ceiling hoist should be moved along the track by following the below guidelines:

1. Lower the carry bar to a suitable height to allow the carer to handle with both hands. Always ensure the user will be at a safe from the floor.
2. Push or pull the carry bar in the required direction for transfer. Ensure transfer is done safely and slowly for maximum user comfort.
3. Always ensure the direction of travel is clear from any obstacles.

4.3.2 Powered Traverse Ceiling Hoist

The ceiling hoist should be moved along the track by following the below guidelines:

1. Lower the carry bar to a suitable height to allow the carer to stabilize the ceiling hoist with one hand. Always ensure the user will be at a safe from the floor.
2. To traverse the ceiling hoist, operate the blue and yellow buttons found on the handset. The buttons are colour coded to correspond with the directional arrows found on the underside of the ceiling hoist. Ensure transfer is done safely and slowly for maximum user comfort.



Only in an emergency should a powered traversing ceiling hoist be moved manually.



Figure 4-3-2-1



Figure 4-3-2-2

4.4 Charging the Ceiling Hoist

As standard practice, the ceiling hoist should be placed on charged after each use. Keeping the batteries charged regularly and not allowing full discharge, will maintain the lifespan and performance of the batteries. From full discharge, the batteries take up to 8.5hrs before they are fully charged.

The hoist LCD indicates the remaining charge in the batteries. Once the batteries are low, the LCD will display "Low Batt!", the LED will turn orange and the ceiling hoist will sound three single audible beeps.

If the ceiling hoist has not been charged during the low battery period. The LCD will then display "Up: Inhibit!", the LED will turn red, and the ceiling hoist will sound a single audible beep, lasting three seconds. The ceiling hoist will no longer lift but will lower to allow the user to exit the ceiling hoist.

When the ceiling hoist is placed on charge, it may remain connected to the charger indefinitely because the ceiling hoist has a built-in regulator, removing the danger of overcharging.

The ceiling hoist is designed for in-track charging. The charging dock will be located at either end of the track system. To begin charging, traverse the ceiling hoist into the charging dock. Once contact is made, the LCD will display "Charging" and the LED will begin to flash orange.



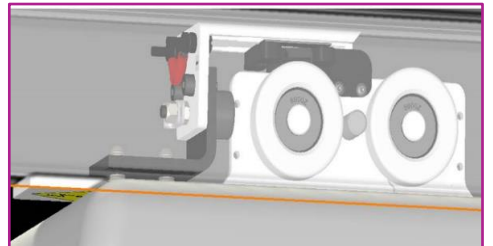
Do not traverse the ceiling hoist with excessive force into the dock as this has the potential to damage both the ceiling hoist and the charger.



Figure 4-4-1



Figure 4-4-2



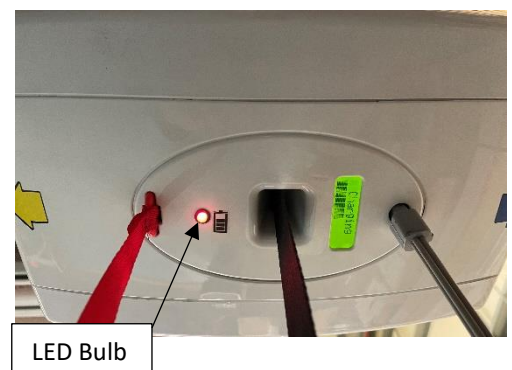
4.4.1 Transformer Status

After docking the hoist into the charging dock, the LED on the charger transformer will change colour to show the status of the charging process. Please see below the charging mode statuses and error indicators.

Transformer Status		
Scenario	Transformer LED Indicator Status	Comments
Charging Mode		
Hoist docked in the charger	Flashing Yellow	-
Hoist fully charged	Solid Green	-
Hoist isn't docked in charger	Flashing Green	-
Error Indications		
Hoist is docked in charger with incorrect polarity	Two Red Flashes	Call Engineer
Charger output is shorted	Three Red Flashes	Call Engineer
Hoist battery voltage is low	Four Red Flashes	Call Engineer
Safety timer has run out	Five Red Flashes	Call Engineer
Hoist battery voltage is too high	No LED Indication	Call Engineer
Battery temperature is too low	Solid Yellow with One Red Flash	Call Engineer
Battery temperature is too high	Solid Yellow with Two Red Flash	Call Engineer

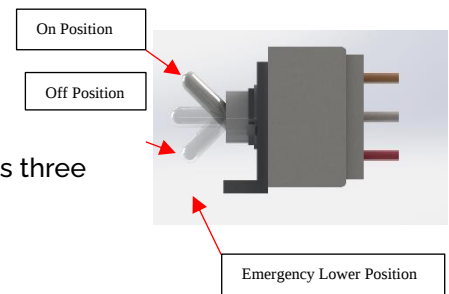


NOTE: When hoist is fully charged, the Hoist LED (Shown below) flickers between GREEN and RED when in trickle charge mode, this is perfectly fine.



4.5 Emergency Operation

The emergency red cord/tab is located on a toggle switch, this switch has three functions, ON, OFF and E-Lower. See diagram for reference. These emergency stopping features must only be used in an emergency.



4.5.1 Emergency Stopping

The ceiling hoist unit has an emergency shut-off feature that allows the operator to remove power to the ceiling hoist.

By pulling the toggle switch down to stage 2 using the red cord, this will remove power from the ceiling hoist. This should only be used in an emergency. Once the red emergency cord has been activated, the ceiling hoist unit will need to be reset to operate again.

The user should not re-engage the switch to stage 1 once the cord has been pulled. If the emergency stop has been activated, contact your local authorised dealer to report the emergency and where applicable, a service engineer may be sent out to solve the issue with the ceiling hoist. Do not continue to use the ceiling hoist after using the emergency stop function before contacting the local authorised dealer.



Figure 4-5-1-1

4.5.2 Emergency Lowering

If the DOWN button on the handset does not function, or in power failure situations, the person may be lowered by pulling down and HOLDING the red emergency cord at stage 3 of the toggle switch. In this scenario, the ceiling hoist will sound a continuous audible beep until it's released.

Continue to pull down on the emergency red cord until the person is safely lowered to the desired position.

NOTE: The emergency lowering function does not provide a hoisting function and should only be used in an emergency, such as lowering a patient due to damaged handset etc.

Once the red emergency cord has been activated, the ceiling hoist unit will need to be reset to operate again.

The user should not re-engage the switch to stage 1 once the cord has been pulled. If the emergency stop has been activated, contact your local authorised dealer to report the emergency and where applicable, a service engineer may be sent out to solve the issue with the ceiling hoist. Do not continue to use the ceiling hoist after using the emergency stop function before contacting the local authorised dealer.

4.5.3 Manual Emergency Lowering

The manual emergency lowering should only be used if when the emergency lowering cord fails due to total power loss. The manual E-Lower is a last resort safety feature for when a patient is suspended and cannot be lowered.

To operate, remove the cap from the side cover of the ceiling hoist (Figure 4-5-3-1). Insert the emergency lowering wind down key that is provided with the ceiling hoist, into the motor unit inside the cover (Figure 4-5-3-2). Gently pulling on the left-hand side chain to safely lower the patient.

After use, remove the emergency wind down key and re-insert the cap back into the cover.

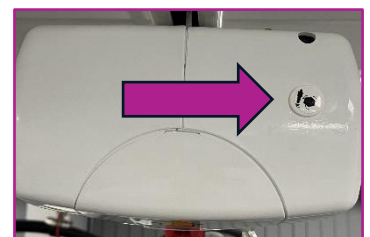


Figure 4-5-3-1



Figure 4-5-3-2

5 Technical Specification

5.1 Ceiling Hoist Dimensions

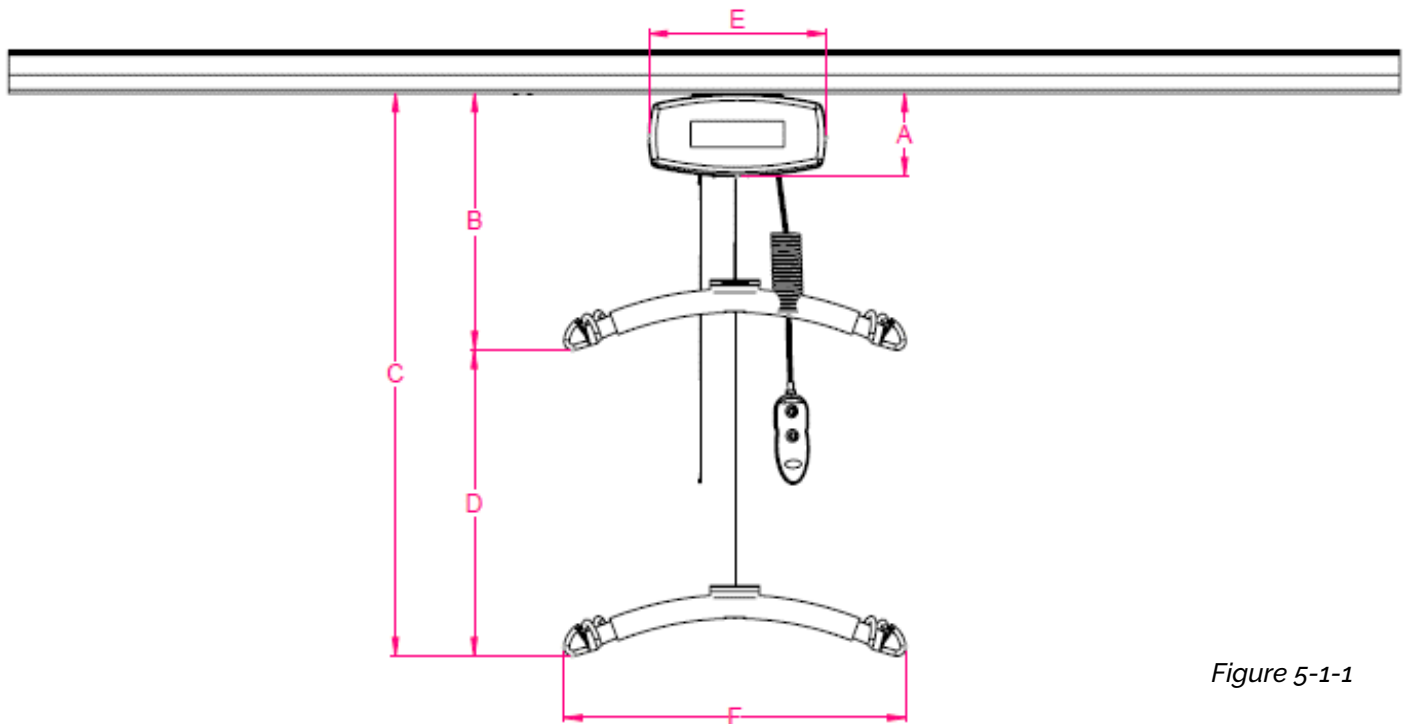


Figure 5-1-1

Ceiling Hoist Dimensions - Millimetres		
Dimensions (Ref to drawing)	Standard Ceiling Hoist	QRS Hock Ceiling Hoist
A - Track to Ceiling Hoist	74	124
B - Min Distance from Track to Carry Bar	324	374
C - Max Distance from Track to Carry Bar	2324	2374
D - Lifting Range	2000	2000
E - Ceiling Hoist Width	318	318
Ceiling Hoist Depth	210	210
F - Carry Bar Width	615	614.68mm

Table 5-1-1

5.2 Specifications

Table 5-2-1

Ceiling Hoist Specifications	
Safe Working Loads	
Transactive Xtra 200KG	200KG
Transactive Xtra 270KG	270KG
Hoist Speeds	
Lifting Speed 0kg	56.36 mm/s
Lifting Speed 200kg	33.56 mm/s
Lifting Speed 270kg	29.23 mm/s
Lowering Speed 0kg	55.75 mm/s
Lowering Speed 200kg	57.86 mm/s
Lowering Speed 270kg	58.87 mm/s
Battery Specification	
Lead Acid Batteries – x2	24VDC (2x 12VDC) 5.0 AH
Battery Capacity – Raising/Lowering (Top 500mm of Lift Tape) – (200kg)	60 Lifts
Battery Capacity – Raising/Lowering (Top 500mm of Lift Tape) – (270kg)	33 Lifts
Maximum Charging Time	8.5 hrs
Raising/Lowering Duty Cycle	15% use, 85% rest (90 seconds use, 510 seconds rest)
Component Weights	
Ceiling Hoist	10kg (22lbs)
Battery charger	0.8kg (1.76 lb)
Carry bar	2 kg (4.4 lb)
Handset	0.2kg (0.44 lb)
Operational Forces	
Handset (Pneumatic)	3N
Emergency cord	15N
Hook locking mechanisms on lift tape	2.5N
Spring clips on carry bar	8N
Manually traversing fully loaded ceiling hoist (SWL)	50N
Manually traversing unloaded ceiling hoist (No weight)	10N
Charger Specification	
Charger Type	In-Track Charging
Charger Input	100-240V AC 50/60Hz 0.7A
Charger Output	24VDC/1.0A
Motor Specification	
Ceiling Hoist Motor	24VDC
Drive Motor (if applicable)	24VDC
Ceiling Hoist Protection	
Ceiling Hoist Case	Flame Retardant ABS
Ceiling Hoist Case Degree of Protection	IP21
Handset Degree of Protection	IP67
Sound Level	
Sound Level	54 dB

5.3 LCD and LED Indications

The table below includes the details on all user display messages, it also includes the LED colour, the audible beeping, and instructions on what actions to take when each message appears. This table may help for troubleshooting.

Display Message	Message explanation	LED colour	Beep sound	Instruction
LOW Batt!	Battery Status LOW	Orange	1 Beep Repeat	Place ceiling hoist on charge as soon as possible
Charged	Batteries Fully Charged	Green	None	Batteries full - remove from charging dock
Charging	Charging Currently Active	Orange flashing	None	None - Batteries are charging
Up	Ceiling Hoist Lifting Active	Green	None	None - Informative only
Down	Ceiling Hoist Lowering Active	Green	None	None - Informative only
No Lim_Sw!	Limit Switch Fault	Green	Constant Beep	Contact Service Centre
UP: Inhibit!	Battery Capacity TOO LOW to Lift	Red	3 Beep Repeat	Place ceiling hoist on charge immediately
Up Lim_Sw!	Up Limit Switch Active	Green	None	None - Informative only, press Down to continue
Down Lim_Sw!	Down Limit Switch Active	Green	None	None - Informative only, press Up to continue
HIGH CURRENT	High Current Draw from ceiling hoist Motor	Green	Beep for 1 Second	Contact Service Centre
PM Due	Preventative Maintenance Due	Green	Beep every 30 minutes	Contact Service Centre

Table 5-3-1

5.4 Standards Applied

The standards that have been applied to the device are as follows:

- IEC 60601-1-1:2012: Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
- IEC 60601-1-2:2014: Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic disturbances - Requirements and tests
- IEC 60601-1-11:2010: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment.
- IEC 62366-1:2015: Medical devices - Part 1: Application of usability engineering to medical devices
- BS EN ISO 14971:2019: Medical devices. Application of risk management to medical devices
- BS EN ISO 12182:2012: Assistive products for persons with disability.
- BS EN ISO 10535:2006: Ceiling Hoists for the transfer of disabled persons. Requirements and test methods
- Medical Device Regulation 2017/745 - CE marking of Medical Devices
- UK Medical Device Regulation 2002: UKCA marking of medical devices.
- EN ISO 15223-1:2016 - Medical devices. Symbols to be used with medical device labels, labelling and information to be supplied. General requirements
- EN 1041:2008+A1:2013 - Information supplied by the manufacturer of medical devices.
- BS ISO 20417 - Medical Devices - Information to be supplied by the manufacture.
- Waste Electrical and Electronic Equipment Directive (WEEE) 2012/19/EU

6 Environmental Conditions

The sections below will give detailed information regarding the environmental conditions the product should maintain throughout its life cycle. Failure to adhere to these conditions may negatively impact the function of the product. If you are unsure of any environmental conditions, always seek advice.

6.1 Operating Environment

The ceiling track hoist is designed for indoor use in dry environments.

The hoist is intended to be used within a professional healthcare facility or home healthcare environment and is not suitable for any other environment.

The hoist is not intended to be used in environments where there are rapid changes in the environmental temperature and humidity.

The ceiling track hoist suffers little from any effects of lint, dust, and light.

- Lint – Due to the nature of the hoist being installed closely to the ceiling, very little lint would be likely to gain access into the hoist's workings. The ceiling hoist is recommended as per service guide to be wiped cleaned during every hoist inspection.
- Dust – Due to the nature of the hoist being installed closely to the ceiling, very little dust would be likely to gain access into the hoist's workings.
- Light – The user controls have been designed to be easily recognisable and the use of bright colours will help the user through all ranges of lighting. The Specification of the ceiling hoist dictates that normal use would occur during ambient luminance 50 – 500 lux. Additionally as the hoist is designed for indoor use only, if required the user may wish to switch on room lighting. The LCD display on the hoist is backlit to aid with user interaction.

6.1.1 Normal Operating Conditions

+5°C to +40°C (41°F to 104°F) at a relative humidity between 15% to 90% RH, non-condensing but not requiring a water vapour pressure greater than 50hPa and atmospheric pressure between 700hPa to 1060hPa.

6.2 Storage Conditions

The hoist is designed for usage indoors under normal environmental conditions and it should be kept in a dry room. Avoid storing it in environments with rapid temperature changes. Before storing it, ensure that the product is cleaned and dried properly. For more information, please refer to the instructions on cleaning.

6.2.1 Shipping and Storage Conditions

-25°C to +5°C (-13°F to 41°F) with any humidity level.

+5°C to +35°C (41°F to 95°F) at a relative humidity up to 90%.

+35°C to 70°C non-condensing at a water vapour pressure up to 50hPa.

12 Hours are required for the ceiling hoist to cool from the maximum storage temperature until ready for its intended use when the ambient temperature is 20°C (68°F).

12 Hours are required for the ceiling hoist to warm from the minimum storage temperature until ready for its intended use when the ambient temperature is 20°C (68°F).

7 Daily Checks

Inspection is to be completed prior to each use by the user of the ceiling hoist.



Should any of the components in the table below fail the inspection, DO NOT use the ceiling hoist. Contact your local authorized dealer for service – contact details are on the last page of this manual.

Ensure all component inspections in the table below are completed prior to each use of the ceiling hoist.

Check List before Use:

Component	Service/Inspection required
Generic	Visual inspection of the external of the ceiling hoist. Significant damage that may affect the function of the ceiling hoist along with a clear safety hazard is unacceptable.
	Check the labelling on the ceiling hoist to ensure they are all still legible, this includes the serial number and other important markings. If labels are not legible, then contact your local authorised dealer immediately.
	Check all nuts and bolts that are accessible and visible to see if they are loose, (such as the carry bar hook). If they are not tight or you have concerns, then contact your local authorised dealer immediately.
Emergency Stop Button	Check the emergency stop button functionality.
Carry Bar	Inspect the sling looped attachments for any damage, sharp edges, and excessive wear.
	Check the carry bar rotates and swings freely, and that there is no build-up of wear.
	Ensure the spring clips on the carry bar are functional and present.
Lift Tape	Inspect the lift tape for any signs of damage such as fraying, breaking, and tearing along its entire length. Ensure to also inspect the stitching on the tape for the same signs of damage.
QRS (Quick Release Hook)	Ensure that the locking device on the QRS is closed when the carry bar is attached.
	Inspect the QRS for damage such as cracking. And ensure that the locking device is functioning correctly.
LED's	Ensure that the LED's are all working correctly prior to use.
LCD Display Screen	Ensure that the LCD is working correctly, and the messages can be read.
Wheels	Ensure the wheels are traversing smoothly in the track before traversing a patient along the system. Listen for any unusual noises.
Motor	When raising and lowering the ceiling hoist, with or without load, listen to the motor for any unusual hoisting noises. Lower the patient immediately if an unusual noise is present.
Handset	Ensure the handset is functional, ensure the connection to the ceiling hoist is correct and that all the buttons are working before operation with a patient.

7.1 Lift Tape Caution

The image (Figure 9-1-1) indicates a badly worn lift tape. The ceiling hoist should not be used until the lift tape has been replaced. Please contact your local dealer to arrange a service.



It is important to note that an incorrect alignment of the lift tape with the hoist could lead to tape fraying, causing delays in the hoist operation and additional expenses. For a smooth and safe operation, please ensure the lift tape is vertically in line with the hoist, when lowering or raising the carry bar.



Figure 7-1

8 Cleaning



To reduce the risk of cross-contamination it is recommended to clean the ceiling track hoist and accessories before use by a different person.

Please follow the recommended cleaning guidelines below on cleaning and disinfecting the ceiling track hoist.

8.1 Ceiling Hoist Cover Cleaning

For cleaning, the covers can be cleaned using a damp cloth, soap/water, and antibacterial spray. Do not use a steam cleaner as this could damage the internals of the ceiling hoist as well as label integrity. Do not use industrial bleaches, abrasive cleaners, or organic solvents.

All cleaning solutions must be thoroughly rinsed off the product at the end of the cleaning process and the product dried using a dry cloth/towel. Always ensure the product is dry before use.



Care should always be taken when cleaning around electrical components to reduce the risk of electric shock or damage to the ceiling hoist.

8.2 Lift Tape Cleaning

Lift tapes can be wiped down using a dry cloth to remove any mild dirt and dust. When a spillage occurs, it is recommended that it be cleaned as quickly as possible to avoid any staining; it is good practice to dab the spillage and not to rub it as this could cause staining. For more persistent stains and dirt, hot water with an antibacterial spray can also be used.

All cleaning solutions must be thoroughly rinsed off the product at the end of the cleaning process and dried using a dry cloth/towel. Always ensure the product is dry before use.

8.3 Disinfecting

Should the ceiling hoist require a more thorough cleaning, the use of the Actichlor™ disinfectant product (which is widely available in tablet form and used throughout the healthcare industry) is recommended.



Follow the manufacturer's safety instructions for the use of this cleaning product before use to ensure safe use for the operator and the user.
Ensure the cloth is damp before the cleaning process.

Application is through a clean damp cloth applied to wipe the product down. Use in the following dilutions to ensure an effective clean:

- Actichlor™ dissolvable chlorine tablets provide a concentration of 1000 ppm of available chlorine (0.1%) per 1 tablet.
- 1 tablet (1.7g formed tablet (x1)) will create a virucidal solution, diluted in 1 litre of water to provide effective means to clean a "dirty" product. This is also ideal for use after an outbreak of the Norovirus/winter vomiting and can be used as a precaution against C.Diff. It is effective against viruses, bacteria, spores, yeasts, and moulds.
- A minimum of 5 minutes contact time with the outer components is recommended to prevent virucidal infections, whilst maintaining the integrity of the product. The product can withstand a longer contact period, however a minimum of 5 minutes is required to provide an effective cleaning regime.
- Blood spills should be dealt with by an increased concentration of the solution – please refer to the instructions on the manufacturer's product labelling.

Dilution chart					
Product used as	Product condition	Concentration (ppm)	Dilution qty* (l)	Tablets per 1l (0.26gal)	Contact time (minutes)
Bactericidal	Clean	200	5 (1.32gal)	1	1
	Dirty	1000	1 (0.26gal)	1	5
Yeastocidal	Clean	200	5 (1.32gal)	1	1
	Dirty	1000	1 (0.26gal)	1	5
Fungicidal	Clean	2000	1 (0.26gal)	2	15
	Dirty	5000	1 (0.26gal)	5	15
Mycrobactericidal	Clean	1000	1 (0.26gal)	1	15
	Dirty	5000	1 (0.26gal)	5	15
Virucidal	Clean	500	2 (0.53gal)	1	5
	Dirty	1000	1 (0.26gal)	1	5
Sporcidal (C. Diff)	Clean	1000	1 (0.26gal)	1	10
	-	-	-	-	-
Sporcidal	Clean	5000	1 (0.26gal)	5	10
	-	-	-	-	-

- Dilution is made with water. DO NOT dilute within any other medium.
- When diluted in water, one tablet gives 1000ppm of available chlorine.
- The concentration of the solution depends upon whether the object being cleaned is noticeably dirty (indicated in the table by "Product condition").

Table 8-3-1

Handling and storage safety precautions when using this cleaning agent:		
Advice on Safe Handling	Hygiene Measures	Conditions for Safe Storage
Avoid contact with skin and eyes. Do not breathe dust, fumes, gas, mist, vapours, spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Mixing this product with acid or ammonia releases chlorine gas.	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands, and any exposed skin thoroughly after handling.	Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers. Storage temperature: 0-25°C (32-77°F).
Individual Protective Measures		Dissolve
Hand protection: Gloves		Dissolve in cold water – With no agitation, 1 tablet will take approximately 10 minutes to fully dissolve in the water used.
The information above has been extracted from the Actichlor™ MSDS (Manufacturers Safety Data Sheet). For a full review of the data please follow the link below: http://www.nhsggc.org.uk/media/236215/msds-actichlor-plus.pdf		

Table 8-3-2

9 Servicing

Regular servicing on the ceiling track hoist will help prevent breakdowns and reduce repair costs. It will also improve the quality of the product for the end users.



To reduce the risk of injury, no service is to be carried out on the ceiling hoist while in use. Service must be completed by an authorised service engineer only. Do not attempt to service the product yourself; this will void your warranty.

To ensure the safety and continued good function of your ceiling track ceiling hoist, it is recommended to have an approved service engineer perform a routine service every 6 months, this will ensure that the product meets the required standards. It is important to document the service history of the product in the service log located at the back of this user manual after each service.

When the product is serviced, the service checklist must be completed.
Service Manual Document Number: 995084.

For information regarding spare parts, refer to the spare parts manual.
Spare Parts Manual Document Number: 992084.

Contact your local authorised dealer if you:

- Need more information.
- Have any questions about the use or service of your product.
- Notice any change in the performance.
- Want to report an unexpected occurrence.
- Want to arrange a service.
- Need to ascertain necessary information for replacement parts and components.

The expected product lifetime is **10 years**. This is dependent on usage and compliance with maintenance, servicing and LOLER inspections. Regular service on the product will increase the expected lifetime.

Serviceable parts within this period are batteries and the lift tape. Batteries should have an expected service life of 200 discharge cycles or 3 years, dependant on the charging routine. The lift tape should have an expected service life of 2 years if used correctly but visual inspection should be carried out before use.

10 Troubleshooting

Should a problem arise with the use of the ceiling hoist, review the table below. Find the fault and complete the recommended solution. If the fault is not listed below or the solution does not correct the problem, contact your local authorised dealer immediately – contact details are provided on the last page of this manual.

Table 12-1-1

Fault	Action
The handset has become disengaged from the ceiling hoist,	Refer to the section 'Applied Parts'. If this does not correct the fault, then contact your local authorised dealer immediately so the ceiling hoist can be checked to ensure proper continued operation.

or the Handset buttons are not responding.	
The handset button command is continuously activated – UP, DOWN, E-LOWER.	Turn off the ceiling hoist using the red pull cord. Contact your local authorised dealer immediately so that the ceiling hoist can be checked to ensure proper continued operation.
No Power Part 1	If the emergency red cord has been used to either stop or lower the person, the ceiling hoist will not operate again until it has been reset. Contact your local authorised dealer immediately so that the ceiling hoist can be checked that it is safe to reset.
No Power Part 2	Operate the hand control to determine if the ceiling hoist wakes up. This can be determined from the green LED. If not present, the ceiling hoist may be out of charge. Place ceiling hoist into the charging dock for a minimum of one hour to determine if this resolves the issue. If not, contact your local authorised dealer.
The ceiling hoist LEDs indicate there is power, but the ceiling hoist does not operate in the DOWN direction.	A built-in detector checks the slackness of the lift tape. This may be sensitive. Apply weight to the carry bar while pressing the DOWN button at the same time. If this corrects the fault temporarily but not permanently then contact your local authorised dealer so that the ceiling hoist can be checked to ensure proper continued operation
The red indicator light on the ceiling hoist turns RED and/or a loud alarm sound is heard when an individual is raised.	The batteries are low and require charging. Refer to section 'Charging the Ceiling Hoist' and charge the for at least one hour before trying to raise/lower the carry bar. If this does not correct the fault, then contact your local authorised dealer immediately so that the ceiling hoist can be checked to ensure proper continued operation.
The ceiling hoist does not pass through a track component such as a turntable or gate.	Refer to the user manual of the specific piece of equipment in question. If the recommended solution does not correct the fault, then contact your local authorised dealer immediately so that the track component and ceiling hoist can be checked to ensure proper continued operation.
Intermittent Display Screen – Self Recovering	If the display screen goes blank but self recovers, there is an electromagnetic disturbance in the vicinity, if the ceiling hoist remains operational, continue to use, and investigate the source of the disturbance.
Display Screen goes blank but LED functions	This may be caused by an electromagnetic disturbance, if the ceiling hoist remains operational, continue to use, and investigate the source of the disturbance.
Intermittent Motor performance	This may be caused by an electromagnetic disturbance, if the ceiling hoist remains operational, continue to use, and investigate the source of the disturbance. When the motor performance is compromised, contact your local service provider.

11 Disposal

With efforts to improve the environment and reduce waste, where possible our products have been manufactured with recyclable materials. Below are our guidelines on recyclable materials and being environmentally friendly.

The ceiling hoist should be disposed by an approved service engineer at the end of its life cycle. For guidelines on correct decommissioning procedures, refer to the commissioning guide: 996674.

Please observe the local laws on recycling and respect the current laws for disposal within the community the product is being used within. If there is any uncertainty of the below guidelines, contact your local authorities to determine the proper method of disposal of potentially biohazardous parts and accessories.

Fully recyclables:	Consideration when Recycling:
Chassis	Batteries
Plastic Covers	Wiring Looms – electronics
Metallic Internals – Hub etc.	PCB
Initial packaging of the device (cardboard)	Hand Control
Metallic fixing – Screws etc.	Motors
Plastic Mouldings	Lift Tape
Carry Bar	Charger

Table 11-1



The product may be contaminated and must be disinfected before recycling or disposal. See section on 'Cleaning' for further details.

12 Warranty

It is impossible for all the risks to be eliminated from use of this product, but to reduce risk and improve safe and proper use, the user should always read and understand the user manual before use. Product failure may occur due to lack of maintenance and care, misuse, unauthorised and improper servicing or alterations, improper storage, and environmental use, or through normal use wear and tear. These factors are all beyond the control from the manufacturer. These risks are taken on by the users.

The ceiling hoist comes with a 1-year warranty covering all manufacture defects. Refer to your terms and conditions for more detailed information. The warranty is valid if the product has maintained its intended use and the user manual instructions have been followed. The warranty will not extend to the use of the product when used contrary to the user manual. This guarantee does not affect or in any way limit your statutory rights.

1. The liability of the manufacturer under the terms of this guarantee shall be limited to the replacement of the defective part(s) to the sales distributor, dealer, agent, person, or entity which purchased the equipment from the manufacturer. In no event shall the manufacturer incur liability for any consequential or unforeseeable losses.
2. This equipment guarantee shall be void if the equipment is not serviced by an authorised service engineer, in accordance with the manufacturer's recommendations, or if any unauthorised persons carry out work on the equipment.
3. This guarantee does not apply to failure attributable to normal wear and tear, damage by natural forces, user neglect or misuse or deliberate destruction.
4. Do not attempt to service the product yourself, or the warranty is void.



13 Service Record History

Complete this section after each service, repair inspection and/or maintenance.

Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	

Date:		Time:	
Service Type: Service Inspection ☐		Repair ☐ Other ☐	
Completed By: (Printed name)		 (Signature)	
Company:			
Remarks & Actions Taken:			
Product Left in A Safe & Usable Condition: Yes ☐		No ☐ (if no explain in actions above)	

Date:		Time:	
Service Type: Service Inspection ☐		Repair ☐ Other ☐	
Completed By: (Printed name)		 (Signature)	
Company:			
Remarks & Actions Taken:			
Product Left in A Safe & Usable Condition: Yes ☐		No ☐ (if no explain in actions above)	

Date:		Time:	
Service Type: Service Inspection ☐		Repair ☐ Other ☐	
Completed By: (Printed name)		 (Signature)	
Company:			
Remarks & Actions Taken:			
Product Left in A Safe & Usable Condition: Yes ☐		No ☐ (if no explain in actions above)	

Date:		Time:	
Service Type: Service Inspection ☐		Repair ☐ Other ☐	
Completed By: (Printed name)		 (Signature)	
Company:			
Remarks & Actions Taken:			
Product Left in A Safe & Usable Condition: Yes ☐		No ☐ (if no explain in actions above)	

Date:		Time:	
Service Type: Service Inspection ☐		Repair ☐ Other ☐	
Completed By: (Printed name)		 (Signature)	
Company:			
Remarks & Actions Taken:			
Product Left in A Safe & Usable Condition: Yes ☐		No ☐ (if no explain in actions above)	



Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	



Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	



Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	



Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	



Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	

Date:	Time:
-------	-------



Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	



Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	
Date:	Time:
Service Type: Service Inspection ☐ Repair ☐ Other ☐	
Completed By: (Printed name) (Signature)	
Company:	
Remarks & Actions Taken:	
Product Left in A Safe & Usable Condition: Yes ☐ No ☐ (if no explain in actions above)	

Dealer/service contact details:

Contact details:

Prism Medical UK
Unit 1, Tir Llwyd Industrial Estate,
St Asaph Avenue
Kinmel Bay
Conwy, LL18 5JZ
Telephone Number: 01924 840 100
www.prismmedical.co.uk

Disclaimer

While every effort has been made to ensure the accuracy of information contained in this manual, no liability can be accepted by Prism for any errors or omissions. Prism operates a policy of continuous improvement. Specifications and other data are subject to change without notice.



Unit 1 • Tir Llwyd Industrial Estate • St Asaph Avenue •
Kinmel Bay • Conwy • LL18 5JZ