



# AIDAPT<sup>®</sup>

The

Mark II

## QUIET KNIGHT<sup>™</sup>

With Anti Crush Device

### Instruction Manual

Published November 2002

# CONTENTS

1. INTRODUCTION
2. LIMITATIONS OF USE
3. PRODUCT DESCRIPTION
4. UNPACKING AND INSTALLATION  
INCLUDING DIAGRAMS
5. HOW TO FIT YOUR QUIET KNIGHT™
6. FITTING THE HANDSET & THE  
3PIN MAINS PLUG TO THE ACTUATOR
7. OPERATING YOUR QUIET KNIGHT™
8. FAULT FINDING
9. MAINTAINING YOUR QUIET KNIGHT™
10. YOUR GUARANTEE
11. SPARE PARTS LIST
12. TECHNICAL INFORMATION

## 1. **INTRODUCTION**

Thank you for purchasing your Aidapt Quiet Knight™ powered, width adjustable mattress elevator

The Quiet Knight™ is designed to give you many years of continued service. If however, you should experience any failure, please contact your supplier immediately, or, alternatively contact us, the Manufacturer

Aidapt Ltd. directly on,  
+44(0)208-771-6147/2147  
for Guidance and Advice

Before you attempt to fit your Quiet Knight™, please take some time to read the instructions, and warnings, and limitation of use.

## 2. **LIMITATION OF USE**

2.1 Your Quiet Knight™ is designed to fit most types of beds with varying widths from 2'6" (729mm) through to 5'0" (1524mm).

However, you must satisfy yourself that the unit is sitting stable and square and that ALL securing straps are properly secured in line with our instructions. Some types of bed eg. Metal Framed may not be suitable for the Quiet Knight™.

2.2 The Quiet Knight™ must not be used in conjunction with any form of electric under blanket

2.3 The Quiet Knight™ is an ideal product for home and nursing home situations, it has been tested for low to medium hazard use.

2.4 The Quiet Knight™ has been tested to a safe working load of 190kg (30 stone). For reasons of safety you must not exceed the safe working load as stated.

## 3. **PRODUCT DESCRIPTION**

3.1 **FRAME**, Your Quiet Knight™ is constructed from high quality, strong steel tube and flat metal plate. The unit incorporates a lifting device known as an actuator which comes ready fitted. It is the actuator that gives the raising and lowering action.

The Mark II Quiet Knight mattress variator is fitted with a 'Anti Crush Device' as standard.

The 'Anti Crush Device' reduces the risk of entrapment between the base frame and pivoting section of the Quiet Knight

However, you must still practice caution and due care always check for any obstacles and in particular do not allow children to have access to the Quiet Knight.

## **PRODUCT DESCRIPTION** continued

- 3.2 **HANDSET.** The Handset is ergonomically designed to feel comfortable to the hand, it has “easy touch” buttons with clear arrows for raise and lower.

An indicator light is included as standard which illuminates, when your Quiet Knight™ is working.

- 3.3 Each Quiet Knight™ comes complete with 4 sets of straps and buckles.



Make Sure you securely fit all four straps.

Please see 'Fitting' section for details on securing the straps.

The straps may limit access to divan drawers once in place, always properly resecure the straps if undone at any time.

## **4. UNPACKING YOUR QUIET KNIGHT™**

Firstly please check that the box contains all the components required which are as follows:

- 4.1 Quiet Knight mattress elevator with chrome plated extending sides, extending base with:-
- 4 straps and buckles attached
  - Actuator with separate control box
  - Handset with cable
  - 4 x plastic pin clips
  - 4 x plastic stoppers
- 4.2 Packing List
- 4.3 Test Certificate
- 4.4 User Guide

If you are short of any of the above items or any of the units are damaged, please contact your supplier immediately quoting serial no. and pack i.e. date and packers no.



DONOT REMOVE THE PLASTIC LOCKING  
TRANSIT STRAP FITTED TO THE REAR OF  
THE QUIET KNIGHT™ UNTIL FITTED SECURELY  
TO THE BED

## 5. HOW TO FIT YOUR QUIET KNIGHT™

- 5.1 Firstly, remove the mattress from the bed base 'pull out' the bed to allow yourself greater access, to fit the Quiet Knight™.
- 5.2 Place the Quiet Knight™ onto the bed squarely with the raised section facing the head of the bed. See Fig 1.  
Fitting to a 2'6" and 3' beds, (724mm & 915mm wide beds) only  
Before securing the Quiet Knight™ to the bed, place the unit as above without altering the chromium plated extenders.

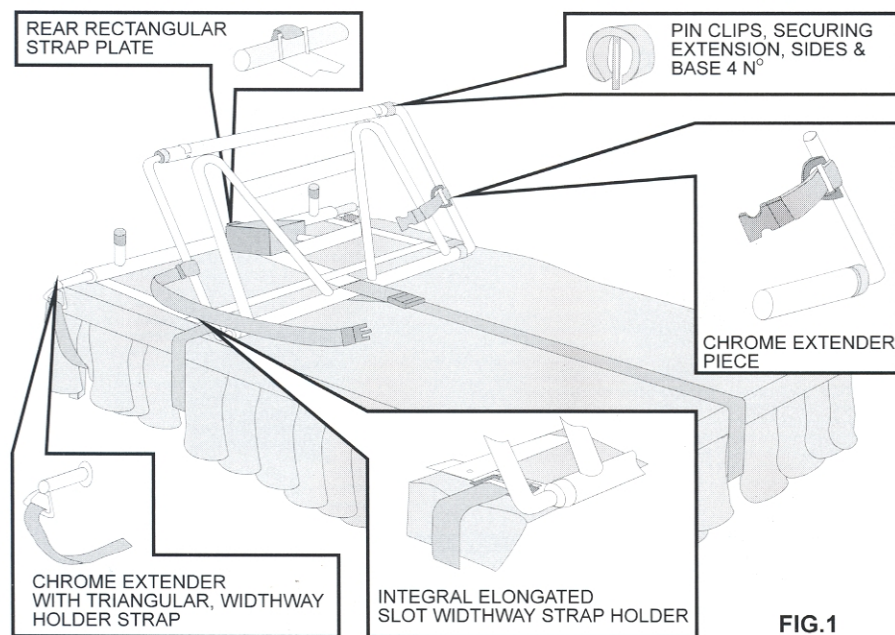


FIG.1

The extended chrome plated base tubes are packed for transit only.



You **MUST** turn the tubes with the triangular sections pointing downwards, pull out the tubes to the desired width and insert the two pin clips provided.



### 5.3 How to fit the **two sideways** base straps

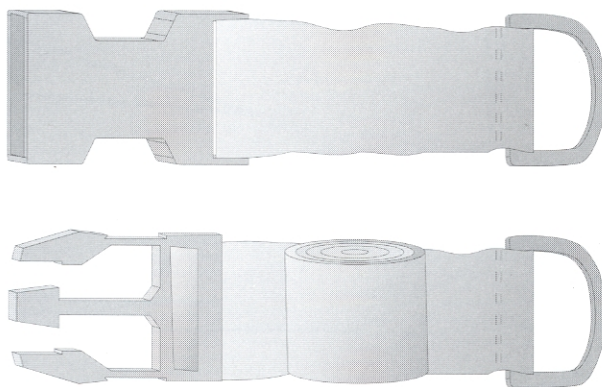
Firstly take the small strap section (appx. 285mm long) comprising buckle, strap and plastic loop. Pass the first small strap through the triangular part of chromium extender piece and pass the buckle back through the plastic loop, so as to tie the small strap to the triangular extender piece.

Repeat the above operation but, passing the small strap through the elongated slot on the base of the elevator.

Now, using the long straps, (locking buckle, long strap & small loop), repeat the first steps but fitting the long strap to the opposite triangular part of the strap and to the opposite integral slot.

Pass the long straps traversley under the bed base, bringing them up to clip into the small straps, tighten off by pulling the strap through the locking buckle.

Once tight, tie off for extra security.



### 5.4 How to fit the length-way strap

Firstly take the short strap and pass through the integral painted metal rectangular loop located centrally at the rear of the unit, then pass the strap back through the plastic strap loop to secure. Then, take the long strap and attach to the centre of the front of base frame, repeating the action of the small strap.

Pass the fixed strap lengthways under the bed base, bringing it up to secure with the buckle end secured to the rear of the elevator tighten off and knot off to secure.

## 5.5 How to fit the mattress strap



Take the small strap and loop around the chrome extender side pieces.

Repeat the action on the opposite chrome extender. Place back the mattress onto the top section of the elevator.

Pass the strap over the mattress and secure into the small strap, tighten and knot for additional safety.



Now remove the transit strap (plastic cable ties) to the rear of the Quiet Knight™ be sure to wear protective eye wear when removing the transit strap.



## 5.6 How to fit your Quiet Knight™ to 4', 4'6" and 5' wide beds (1220mm, 1375mm & 1524mm wide beds)

Firstly, remove the four pin clips which secure both the chrome plate extension, mattress supports and chrome plated extension base support.

Pull out to the desired width and re fix the pin clips to secure.

Repeat the operation on fixing the straps as per 5.3, 5.4 & 5.5



**WARNING** Make sure that you DO NOT extend the mattress support extender beyond the sides of the mattress, as this will reduce the cover of support

6. **FITTING THE HANDSET AND 3PIN MAINS PLUG TO THE ACTUATOR.**

- 6.1 Plug in the actuator to the transformer control box provided.
- 6.2 Plug in the handset provided.
- 6.3 Plug in the mains 13amp 3pin plug fused to 3amps maximum provided. See Illustration 6.4

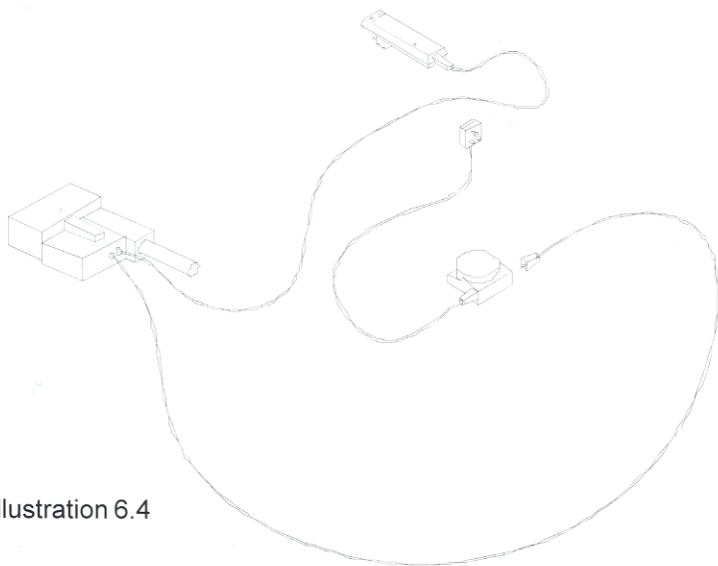




Illustration 6.4

7. **OPERATING YOUR QUIET KNIGHT™**

Once the power is connected hold the Handset facing you with cord, below and press  button for raising the elevator and  button for lowering.

Warning, when operating your Quiet Knight™ be sure to keep limbs away from all moving parts and rear integral mounted stops.



If any limb accidentally becomes trapped, stop the action of your Quiet Knight™ immediately and seek medical advice for any injury sustained.



## 8. FAULT FINDING

PROBLEM	POSSIBLE CAUSE	REMEDY
Backrest continues to stop sporadically	Safe working load exceeded	Follow safe maximum load Guidelines, 190kg (30 stone)
	Possible fault to the actuator or control box, or handset.	Call your engineer for help
	Mains cable loose	Check and secure to the plastic loop adjacent to the mains socket on the actuator
	Handset Loose	Check connection and push securely into handset socket on actuator
New Quiet Knight™ is omitting noise	Actuator needs running in	Run unit a few times to seat the actuator
Actuator is running but the unit is not moving	Faulty Actuator or Handset	Call your engineer for help.
Actuator not running or lifting	Mains Cable not plugged in Handset not plugged in	Check and plug into Wall Socket
	No power supply to the unit	Check mains supply Check fuse to 13amp plug
Emergency back up battery supply is not functioning	Battery back up button on actuator is not being depressed in unison with handset	Push battery button simultaneously with handset button
Unit moves away from the Bed when raising	Straps to base widthways and lengthways are not tight enough.	Tighten up straps
Mattress creeps down the bed and overhangs the base of the bed	Mattress strap not tight enough Mattress is Orthopaedic type	Tighten Mattress Strap Install Aidapt Mattress Stopper

9. **MAINTAINING YOUR QUIET KNIGHT™**

The Quiet Knight™ should be serviced by a trained competent engineer.

Always change the emergency back up battery every six months, or after use.

Regularly check that the straps are secure, and free from any wear.

When cleaning your Quiet Knight™ make sure to cover the actuator and, remove handset and mains plug.

Clean the metal frame & chrome extenders with a mild solution of water and detergent or use a disinfectant to BS6424.

10. **YOUR GUARANTEE**

Aidapt Ltd, guarantees the Quiet Knight™ for a period of 2 years from the date of purchase against faulty materials and workmanship. Your guarantee does not cover, abuse, misuse or interference or tampering with any part of the unit by unauthorised persons.

Aidapt Ltd, additionally offers extended service agreements of up to 5 years from date of purchase.

For parts and labour.

Full details available of request.

Any guarantee issued by Aidapt Ltd. does not affect your statutory rights.

Should you have any questions regarding service and maintenance please contact:-

AIDAPT.  
1-5, South Norwood Hill,  
South Norwood  
LONDON  
SE25 6 AA  
England

Telephone: +44(0)208-771-6147  
+44(0)208-771-2147  
+44(0)208-653-3434

Fax: +44(0)208-771-9969  
Email: sales@aidaptltd.co.uk

11. **SPARE PARTS LIST**

Actuator with control box & mains lead	Code L A C 1 Mark II
Actuator only	Code L A 2 Mark II
Handset with Flexi Cord	Code L H F 4 Mark II
Straps set of four with buckle	Code L S F S 6
Strap each short for widthway fixing with buckles	Code L S P S 7
Strap each long for lengthway fixing with buckles	Code L L P S 8
Aidapt Mattress stopper with fixing strap and buckle	Code A M S 001

## 12. TECHNICAL INFORMATION

Product Title	Quiet Knight™ Mark II
Weight without box	14kg (31lb)
Safe Working Load	190kg (30 stone), uniformly distributed fully opened
Overall size closed	920mm wide x 710mm deep x 150mm high (36") x (28") x (6") including actuator
Overall size open	1440mm wide x 710mm deep x 150mm high (56¾") x (28") x (6") including actuator
Minimum lift	10°
Maximum lift	80° (overall) (67° Nett)
Power supply	240volt 50Hz to actuator
Power system	24volt dc via integral control box
Handset & Actuator approved to EN 50081-1 1992-01-31 & EN 50082-1-1992-30	
Actuator and handset housing to IP 54 water ingress	
Electric shock resistance & protection to Class II	
Actuator and Handset tested to EN 60601-1996-03	
Mains Cable with 13amp, 3 pin plug fuse to 3amp only.	