

HC40 Advanced User Manual



Contents

Preface	4
Terms of use	5
Important safety information	6
General safety instructions.....	7
Only for EU markets.....	9
Only for Non EU markets	9
Misuse.....	9
Informations de sécurité importantes	10
Consignes générales de sécurité	11
Seulement pour les marchés au sein de l'UE.....	13
Seulement pour les marchés hors UE	13
Utilisation abusive.....	13
Declarations.....	14
EU Declaration of Conformity	14
UK Declaration of Conformity.....	15
Manufacturer's declaration	16
Warranty	17
Maintenance.....	17
Batteries	18
HC40 FRAME™	18
HC40 TWIST™	19
Getting started	20
Setting time and day.....	21
Screen saver	22
Motion sensor	22
Demo mode and how to pair.....	23
Favourite positions.....	24
Saving favourite positions	24
Massage	27
Controlling massage	27
Setting a timer.....	27
Changing massage mode	28
Turning on/off the massage	28
Adjusting intensity.....	29

MY BED menu	30
ABOUT	31
ME	32
ALARMS	33
SLEEP TIMER	34
SHORTCUTS	35
TIME & DAY	36
LANGUAGE	37
CHILD LOCK	38
TORCH	39
Notifications	40
Repairs.....	41
Disposal of LINAK products	41
Disposal of batteries.....	42
LINAK® application policy	42
Contacts	43

Preface

Dear User,

We are delighted that you have chosen a LINAK® product.

LINAK systems are high-tech products based on many years of experience in the manufacture and development of actuators, electric control boxes, controls, batteries, accessories and chargers.

This User Manual does not address the end user. It is intended as a source of information for the equipment or system manufacturer only, and it will tell you how to install, use and maintain your LINAK electronics. The manufacturer of the end product has the responsibility to provide a User Manual where relevant safety information from this manual is passed on to the end user.

We are convinced that your LINAK product/system will give you many years of problem-free operation.

Before our products leave the factory, they undergo full function and quality testing. Should you, nevertheless, experience problems with your product/system, you are always welcome to contact your supplier.

LINAK subsidiaries and some distributors situated all over the world have authorised service centres, which are always ready to help you. Locate your local contact information on the back page.

LINAK provides a warranty on all products, see [Warranty](#).

This warranty, however, is subject to correct use in accordance with the specifications, maintenance being done correctly, and any repairs being carried out at a service centre, which is authorised to repair LINAK products.

Changes in installation and use of LINAK systems can affect their operation and durability. The products are only to be opened by authorised personnel.

This User Manual has been written on the basis of the present technical knowledge. LINAK reserves the right to carry out technical modifications and keeps the associated information updated.

LINAK A/S

Terms of use

LINAK® takes great care in providing accurate and up-to-date information on its products. However, the user is responsible for determining the suitability of LINAK products for a specific application.

Due to continual development, LINAK products are subject to frequent modifications and changes. LINAK reserves the rights to conduct modifications, updates, and changes without any prior notice. For the same reason, LINAK cannot guarantee the correctness and actual status of imprinted information on its products.

LINAK uses its best efforts to fulfil orders. However, for the reasons mentioned above, LINAK cannot guarantee availability of any particular product at any given time. LINAK reserves the right to discontinue the sale of any product displayed on its website or listed in its catalogues or in other written material created and produced by LINAK, LINAK subsidiaries, or LINAK affiliates.

All sales are subject to the 'Standard Terms of Sale and Delivery for LINAK A/S' available on LINAK websites.

LINAK and the LINAK logotype are registered trademarks of LINAK A/S. All rights reserved.

Important safety information

Safe use of the system is possible only when the user manual are read completely and the instructions contained are strictly observed.

Failure to comply with instructions marked with the "NOTICE" symbol may result in serious damage to the system or one of its components.

Read all instructions before using this product.

Important safety information on LINAK® products can be found under the following headings:



DANGER

Failure to comply with these instructions will result in severe personal injury.



WARNING

Failure to comply with these instructions may result in severe personal injury.



CAUTION

Failure to comply with these instructions can result in minor personal injury.



NOTICE

Failure to comply with these instructions can result in property damage.

READ AND SAVE THESE INSTRUCTIONS

General safety instructions

Safe use of the system is possible only when the operating instructions are read completely and the instructions contained are strictly observed.

Failure to comply with instructions marked with the "NOTE" symbol may result in serious damage to the system or one of its components.



It is important for everyone who is to connect, install, or use the systems to have the necessary information and access to this User Manual. Follow the instructions for mounting – risk of injury if these instructions are not followed.



The appliance is not intended for use by young children or infirm persons without supervision.



If there is visible damage on the product it must not be installed.



Note that during construction of applications, in which the actuator is to be fitted, there must be no possibility of personal injury, for example squeezing of fingers or arms.



Assure free space for movement of application in both directions to avoid blockade.



The appliance is only to be used with the power supply unit provided with the appliance.

Safety issues



The builder of the equipment shall ensure that the use of the component complies with relevant standards – like the Machine Directive. Care must be taken to avoid squeezing of cables as it can cause movement of the system!

**This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:**

- (1) This device may not cause harmful interference, and**
- (2) This device must accept any interference received, including interference that may cause undesired operation**

- **Statement – for all intentional and unintentional radiators:**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

- **Statement for digital devices for Class B:**

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Labeling Requirements:

This Class B digital apparatus complies with Canadian ICES-003 / NMB-003.

Only for EU markets



This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.



Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Only for Non EU markets



Persons who do not have the necessary experience or knowledge of the product/products must not use the product/products. Besides, persons with reduced physical, sensory or mental abilities must not use the product/products, unless they are under surveillance or they have been thoroughly instructed in the use of the apparatus by a person who is responsible for the safety of these persons.



Moreover, children must be under surveillance to ensure that they do not play with the product.

Misuse



Do not overload the actuators – this can cause danger of personal injury and damage to the system.



Do not use the actuator system for lifting persons. Do not sit or stand on a table while operating – risk of personal injury.



Do not use the system in environments other than the intended indoor use.

Informations de sécurité importantes

Une utilisation sûre du système n'est possible que lorsque le manuel d'utilisation est lu dans son intégralité et que les instructions qu'il contient sont strictement respectées.

Le non-respect des instructions marquées du symbole "AVIS" peut entraîner de graves dommages au système ou à l'un de ses composants.

Lisez toutes les instructions avant d'utiliser ce produit.

Des informations de sécurité importantes sur les produits LINAK® peuvent être trouvées sous les rubriques suivantes :



DANGER

Le non-respect de ces instructions entraînera des blessures graves.



AVERTISSEMENT

Le non-respect de ces instructions peut entraîner des blessures graves.



AVERTIR

Le non-respect de ces instructions peut entraîner des blessures corporelles mineures.



AVIS

Le non-respect de ces instructions peut entraîner des dommages matériels.

LIRE ET CONSERVER CES INSTRUCTIONS

Consignes générales de sécurité

Le non respect de ces instructions peut entraîner des accidents impliquant des blessures graves.

Ne pas suivre ces instructions peut entraîner l'endommagement ou destruction du produit.

L'utilisation en toute sécurité du système n'est possible que si l'intégralité des instructions ont été lues et ont été strictement suivies.



Le non respect de se conformer aux instructions marquées du symbole "note" peut entraîner de graves dommages au système ou à un de ses composants.

Il est important pour tout individu qui connecte, installe, ou utilise le système d'avoir les informations nécessaires et l'accès à ce manuel d'utilisation.

Suivez les instructions pour le montage – risque de blessure si ces instructions ne sont pas suivies.



L'appareil n'est pas destiné à être utilisé par des enfants ou des personnes handicapées sans surveillance.



S'il y a des dommages visibles sur le produit, l'installation ne doit pas être effectuée.



Prendre en compte lors de la construction du matériel, dans lequel l'actionneur est incorporé, qu'il ne doit y avoir aucune possibilité de blessures corporelles, telles que la compression des doigts ou des bras.



Assurez un espace libre autour du matériel pour éviter tout blocage.



L'application ne doit être utilisée qu'avec le module d'alimentation secteur fourni.

Sujet de sécurité



Le constructeur de l'équipement doit s'assurer que l'utilisation du composant conforme aux normes en vigueur, comme la Directive Machines. Les soins doivent être prises pour éviter de pincer les câbles car cela pourrait entraîner des mouvements du système!

Cet appareil est pleinement conforme à la section 15 des réglementations FCC.

Le fonctionnement est sujet aux deux conditions suivantes:

- (1) Cet appareil ne doit pas causer d'interférences dangereuses, et**
- (2) cet appareil doit supporter les interférences, y compris celles pouvant provoquer un fonctionnement non désiré**

- **Déclaration - concernant les sources d'émissions électromagnétiques:**

Les changements ou modifications non expressément approuvés par la partie responsable de la conformité pourraient annuler le droit de l'utilisateur à faire fonctionner l'équipement.

- **Déclaration pour les équipements numériques de Classe B:**

NOTE: Cet équipement a été testé et jugé conforme aux normes pour un appareil électronique de classe B, conformément à la partie 15 du règlement de la FCC. Ces normes sont établies pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre des fréquences radio et, s'il n'est pas installé et utilisé conformément aux instructions, il peut causer des interférences nuisibles aux communications radio. Cependant, nous ne pouvons pas garantir l'absence d'interférences dans une installation particulière. Si cet équipement cause des interférences nuisibles à la réception d'un poste radio ou d'un téléviseur, ce qui peut être déterminé en mettant l'équipement hors et sous tension, l'utilisateur doit essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:

- Réorientez ou déplacez l'antenne de réception.
- Augmentez la séparation entre l'équipement et le récepteur.
- Connectez l'équipement sur un circuit différent de celui utilisé par le récepteur.
- Faites appel à un revendeur ou un technicien Radio/TV expérimenté.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

- (1) l'appareil nedit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Etiquetage obligatoire

Cet appareil numérique de la classe B est conforme à la norme ICES-003 / NMB-003 du Canada.

Seulement pour les marchés au sein de l'UE



Cet appareil peut-être utilisé par des enfants âgés de 8 ans et plus, ainsi que les personnes dont les capacités physiques, sensorielles ou mentales sont réduites ou ayant un manque d'expérience et de connaissance si elles ont bénéficié d'une surveillance ou d'instructions concernant l'utilisation de l'appareil en toute sécurité et compris les risques encourus.



Les enfants ne doivent pas jouer avec l'appareil. Le nettoyage et l'entretien ne doivent pas être réalisés par des enfants sans surveillance.

Seulement pour les marchés hors UE



Les personnes qui n'ont pas l'expérience ou les connaissances nécessaires sur le ou les produit(s) ne doivent pas le ou les utiliser. Par ailleurs, les personnes ayant des capacités physiques, sensorielles ou mentales réduites ne doivent pas utiliser le ou les produit(s), sauf si elles sont sous surveillance ou ont suivi une formation approfondie de l'utilisation de l'appareil par l'individu responsable de la sécurité de ces personnes.



De plus, les enfants doivent-être sous surveillance afin de s'assurer qu'ils ne jouent pas avec le produit.

Utilisation abusive



Ne surchargez pas les actionneurs – cela peut engendrer un risque de blessures corporelles et endommager le système.



Ne pas utiliser les actionneurs pour soulever des personnes. Ne pas s'asseoir ou se tenir debout sur une table en fonctionnement – risque de blessures.



Ne pas utiliser le système dans des environnements autres que l'utilisation intérieure prévue.

Declarations

EU Declaration of Conformity

LINAK A/S
Smedevænget 8
DK - 6430 Nordborg

hereby declares under our sole responsibility that LINAK actuator system items

Wireless accessory: BLE2LIN

Wireless handset: HC05BL, HC10BL, HC1ABL, HC10ECO, HC2xBL, HC30BL, HC40BL, BP10BL, DPG1B, DPG1C, DPG1M, DPI-C

complies with the **Radio Equipment Directive (RED) 2014/53/EU** (*OJ L 153, 22.5.2014, p. 62–106*) according to the standard:

Art.3.1 (a) Safety:
EN 62368-1:2014+A11:2017 (Harmonized to LVD)

Art.3.1 (a) Health:
EN 62479:2010 (Harmonized to LVD)
EN 50663:2017

Art. 3.1(b) EMC:
ETSI EN 301 489-1 V2.2.3;
ETSI EN 301 489-17 V3.2.4

Art. 3.2 Radio:
ETSI EN 300 328 V2.2.2

complies with Directive **2011/65/EU** of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (*OJ L 174, 1.7.2011, p. 88–110*) and Directive **2015/863** (*OJ L 137, 4.6.2015, p. 10–12*) (amending Annex II to Directive 2011/65/EU) according to the standard:

EN IEC 63000:2018

Nordborg, 2023-05-02

LINAK A/S
Dragan Macura
Regulatory Compliance Manager
Deskline and Homeline Segments
Authorized to compile the relevant technical documentation

Original Declaration

UK Declaration of Conformity

LINAK A/S
Smedevænget 8
DK - 6430 Nordborg

hereby declares under our sole responsibility that LINAK Actuator System items:

Wireless accessory: BLE2LIN

Wireless handset: HC05BL, HC10BL, HC1ABL, HC10ECO, HC2xBL, HC30BL HC40BL, BP10BL, DPG1B, DPG1C, DPG1M, DPI-C

Complies with **Radio Equipment Regulations 2017** according to following standards:

Safety Reg. 6(1)(a):
BS EN 62368-1:2014+A11:2017

Health Reg. 6(1)(a):
BS EN 62479:2010;
EN 50663:2017

EMC Reg. 6(1)(b):
ETSI EN 301 489-1 V2.2.3;
ETSI EN 301 489-17 V3.2.4

Radio Reg. 6(2):
ETSI EN 300 328 V2.2.2

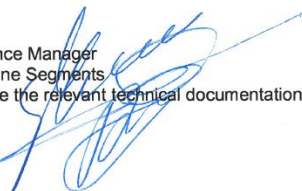
complies with **The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012** according to the standard:

BS EN IEC 63000:2018

Nordborg, 2023-05-02

LINAK A/S
Dragan Macura
Regulatory Compliance Manager
Deskline and Homeline Segments
Authorized to compile the relevant technical documentation

Original Declaration



Manufacturer's declaration

DECLARATION OF INCORPORATION OF PARTLY COMPLETED MACHINERY 2006/42/EC ANNEX II B

LINAK A/S
Smedevænget 8
DK - 6430 Nordborg

Herewith declares that LINAK HOMELINE® products as characterized by the following models and types:

Control Boxes	CB9H, CBH Advanced, CBH Basic
Linear Actuators	LA27, LA29, LA31 HOMELINE
Dual Actuators	TD3, TD4, TD5
Controls	HB10 RF, HB20RF, HB60, HC10, HC10RF, HC20RF, HC40
Accessories	Bluetooth Adapter, DC CONNECTOR, LED Lightbox, Lightplug001, Massage Motor, SMPS001, SMPS001, SMPS002, SMPS006

comply with the following parts of the Machinery Directive 2006/42/EC, ANNEX I, *Essential health and safety requirements relating to the design and construction of machinery*:

1.5.1 Electricity supply

The relevant technical documentation is compiled in accordance with part B of Annex VII and that this documentation or part hereof will be transmitted by post or electronically to a reasoned request by the national authorities.

This partly completed machinery must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of the Machinery Directive 2006/42/EC where appropriate.

Nordborg, 2019-10-21

LINAK A/S
John Kling, B.Sc.E.E.
Regulatory Affairs Manager
Authorized to compile the relevant technical documentation

Original Declaration

Use the HC40BL in an environment with temperature between -10 and +50 °C. Otherwise, the HC40BL may be damaged. It can be operated at altitudes up to 2000 m.

Hereby, LINAK A/S declares that the radio equipment type HC40BL is compliant with Directive 2014/53/EU.



Caution:

For battery: Risk of explosion if the battery is replaced with an incorrect type.
Dispose of used batteries according to local regulations.

Operating Frequency Range
2402 - 2480 MHz

The maximum RF Output Power
-9.81 dBm EIRP

Warranty

This HOMELINE® product is subject to warranty pursuant to the terms of the LINAK® [HOMELINE Warranty Paper](#).

Maintenance

Clean dust and dirt on the outside of the system at appropriate intervals and inspect them for damage and breaks. Inspect the connections, cables and plugs and check for correct functioning as well as fixing points.



The cleaners and disinfectants must not be highly alkaline or acidic (pH value must be 6-8).



Do **not** expose to direct sunlight.

Batteries

HC40 FRAME™

The hand control needs two AAA batteries.

1. Press the button located inside the oval arch at the bottom of the hand control. Take off the battery lid.



2. Put in the new batteries as indicated in the housing.



We recommend using alkaline batteries. Using another type of batteries can lead to unintended restart of the hand control.

3. Reattach the battery lid by placing the lower end of the lid and then press below the 'down' button.



After insertion of the batteries in the HC40, a start-up logo appears for 5 seconds.

HC40 TWIST™

The hand control needs two AAA batteries.

1. Open the battery lid on the front of the HC40, by pressing and sliding it in the opposite direction of the keypad.



2. Put in the new batteries as indicated in the housing.



We recommend using alkaline batteries. Using another type of batteries can lead to unintended restart of the hand control.

3. Reattach the battery lid by placing it back on the hand control and then slide it on in the direction towards the keypad.

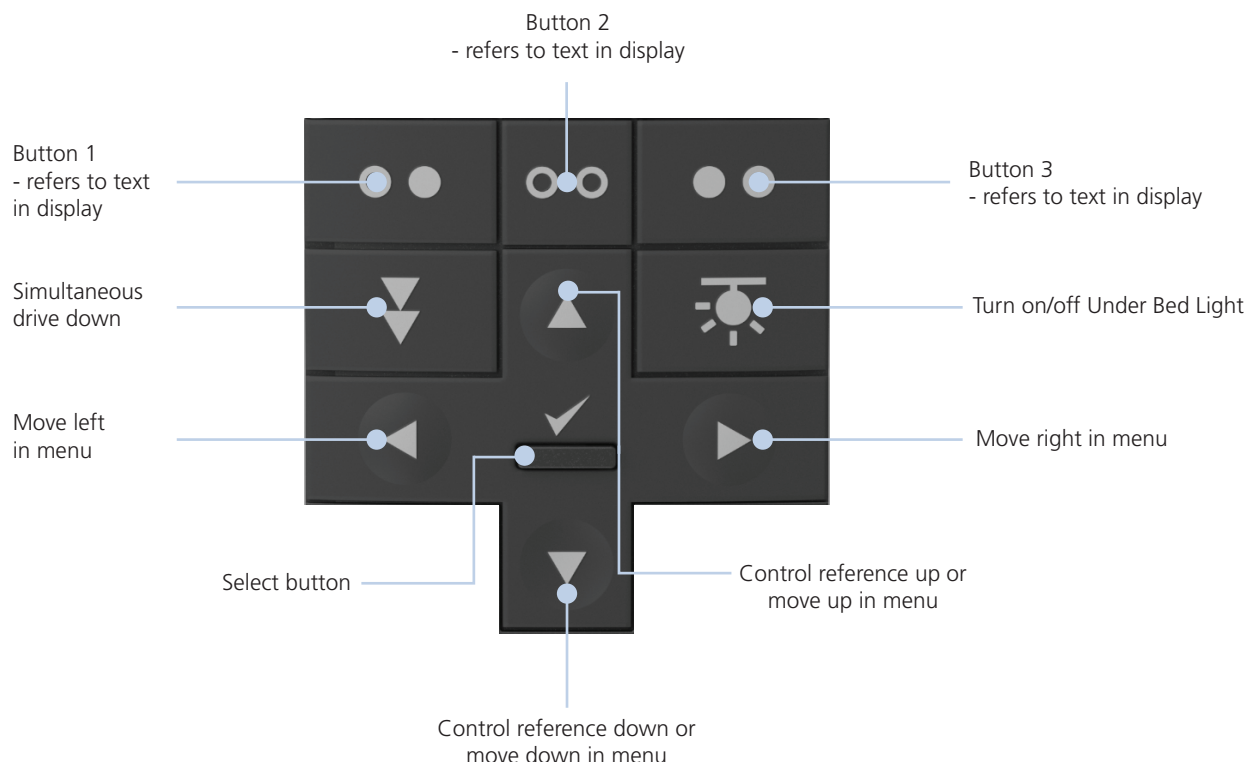


After insertion of the batteries in the HC40, a start-up logo appears for 5 seconds.

Getting started

Navigation

The HC40 has ten buttons. The picture below explains the functionality of the buttons:



Screen elements



Menu colours:

White	References
Blue	Favourite positions
Green	Massage control
Orange	My bed menu

Setting time and day

1. Press button 1 to switch between 24H and AM/PM.



2. Adjust the time by using the 'up' and 'down' buttons on the keypad. Once the hours and minutes are adjusted, "SAVE" appears in the display. Press the 'select' button or button 3 "SAVE" to save the time.



3. Use the 'left' and 'right' buttons to adjust the day of the week. Press the 'select' button or button 3 "SAVE" to save the day.



The hand control is now ready for exploring the menu and the features.

Screen saver

After 10 seconds of inactivity the HC40 dims the light in the display. After another 10 seconds in dimmed light, the display turns off.

The next time the hand control is picked up, the screensaver (time and day) or a notification shows.



Motion sensor

After setting the time and day in the HC40, the motion sensor is enabled. The screen now reacts on any movement of the hand control. E.g. the screen turns on, when the user picks up the hand control.

As the motion sensor may cause the batteries to empty during bumpy transportation before the hand control reaches its destination, we recommend the bed producer **not** to complete the time and day registration in the HC40 if the hand control is delivered to the end user with batteries in.

We recommend the same to LINAK salespeople before a customer visit. The software can be prepared before the visit, but before starting the trip to the customer, please take out the batteries.

Demo mode and how to pair

As long as the remote is not paired to any actuator system, the menu structure will be accessible to loop around in for demonstration purposes. We call this demo mode.

After 5 minutes active surfing around the menu structure in demo mode, a 'help-to-pair' guide appears.

1. Set the bed in pairing mode by applying power to the system.
2. Press button 1 and 3 at the same time.
3. With successful pairing a blue circle with a check mark shows. The HC40 and actuator system are now paired up.



Figure 1 Pairing command

Pairing successful



Wait 20 seconds before disconnecting the actuator system from the mains supply. Otherwise the pairing will **not** be saved in the hand control.

The Demo mode is ended as soon as the actuator system and the HC40 are paired and connected. Up and down arrows are now visible on the screen surrounding the reference name, showing that the system can now run.



Figure 2 HC40 not paired

HC40 paired

For customers pairing the HC40 to the actuator system on the production line when producing the bed, it is possible to pair the system already after the start-up logo is gone. No need to enter time and day before making the pairing procedure.

Favourite positions

Saving favourite positions

The HC40 allows for storing up to four favourite positions.

1. Drive the bed to the desired position.
2. Loop to the "SAVE FAVOURITE" screen using the 'left' and 'right' buttons.
3. When the screen is reached, press button 3 "SAVE".
4. Highlight one of the four favourite positions using the 'up' and 'down' buttons and press the 'select' button to save the position as the selected "FAVOURITE".
5. The saved "FAVOURITE" will now show in the main menu loop.



Figure 3 Step 3



Step 4



Step 5

As soon as all positions are saved, the "SAVE" option becomes hidden. It will be shown again as soon as one of the four saved positions is deleted.

From the screen with the favourite position, there are three options:

A. Driving to the favourite position

1. Press and hold button 3 "GO TO" or the 'select' button.
2. The system now drives towards the position while the name flashes in the display.



B. Renaming the favourite position (not possible in Korean language)

1. Press button 2 "RENAME".
2. Use the 'left' and 'right' buttons to loop between the characters.
3. Press the 'select' button to choose a character and it shows in the blue bar.
4. Use button 1 "DELETE" to delete a character or button 2 "SPACE" to make a space between the characters.
5. When the desired name is typed in, press button 3 "SAVE" to save the new name.



C. Deleting a favourite position

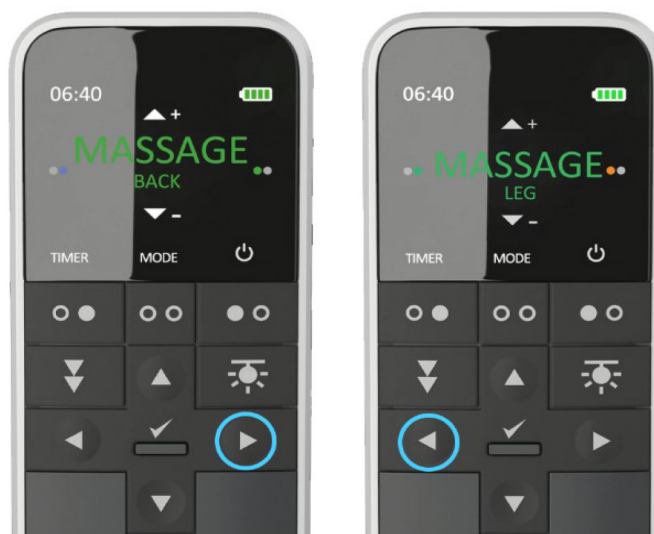
1. Press button 1 "DELETE".
2. Confirm the deletion by pressing button 3 "YES".
3. The position is now deleted and removed from the general menu loop.



Message

Controlling message

The HC40 can control up to two message references. The two standard options are called “MESSAGE BACK” and “MESSAGE LEG”.



Loop in the menu to find the message screens. From the message screen it is possible to:

- Set a timer
- Change message mode
- Turn on/off the message
- Adjust intensity

Setting a timer

1. Press button 1 “TIMER” to set a timer for the duration of the message session.
2. Use ‘up’ and ‘down’ buttons to adjust the minutes.
3. Press button 3 “SAVE” to save the duration and start the message.



Note: If the timer in the HC40 is set to a higher number than what is configured in the actuator system as timer, the message will stop according to the configuration in the actuator system.

Changing message mode

1. Press button 2 "MODE" to change message mode.
2. A green circle appears, and the message mode is now changed.
3. Repeat to toggle between more available modes.

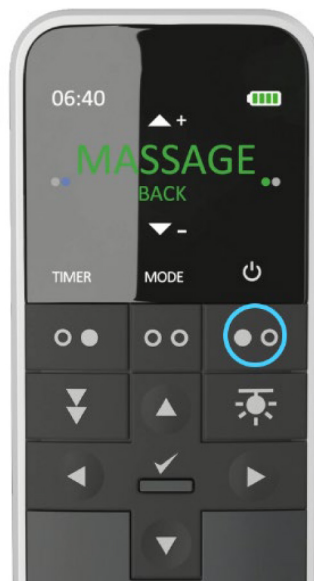
Note: The number of message modes depends on the configuration in the actuator system.



Turning on/off the message

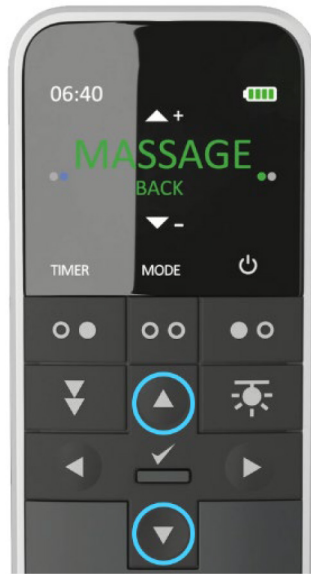
1. Use button 3 to turn on/off the message motor.

This action must be repeated for both screens "MESSAGE BACK" and "MESSAGE LEG" if both message options are to be turned on/off.



Adjusting intensity

1. Use the 'up' button to increase the message intensity.
2. Use the 'down' button to decrease the message intensity.



MY BED menu

The “MY BED” menu is accessed by looping the menu with the ‘left’ or ‘right’ button, or via button 3 “MENU” on the main screen. Once “MY BED” appears, press the ‘select’ button to access the “MY BED” menu.



The items in the “MY BED” menu depend on the number of features configured. The maximum list consists of the following items:

- ME
- ALARMS
- SLEEP TIMER (optional)
- SHORTCUTS
- TIME&DAY
- LANGUAGE
- CHILD LOCK
- TORCH
- ABOUT

ABOUT

The “ABOUT” section contains information about the product: the item number, the software number and version, and whether the control has been reconfigured. The item and software numbers also appear on the product label underneath the battery lid.

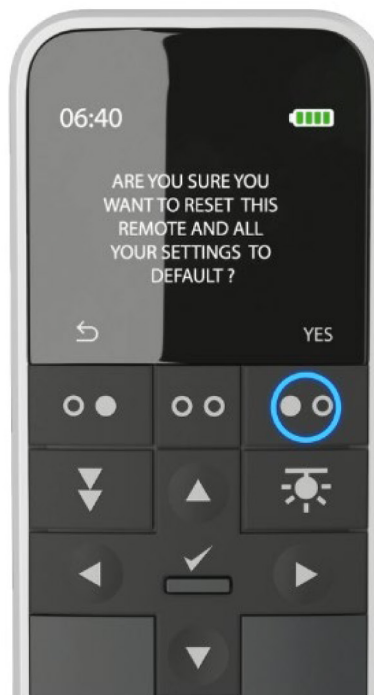
The about section contains the CE symbol and WEEE garbage can for approval reasons.

From the “ABOUT” section, it is possible to reset the hand control to default factory settings:

1. Press button 2 “RESET”.
2. A warning pops up - confirm the request by pressing button 3 “YES”.
3. The hand control is now reset meaning that every setting changed after receiving the hand control has been restored to the default factory settings. The settings affected by the reset are
 - favourite positions
 - my name
 - shortcuts
 - time and time format
 - day
 - alarms
 - child lock
 - language
 - any timers



Figure 4 Step 1: Reset



Step 2: Confirm



Step 3: Back to factory settings

ME

In the “ME” section it is possible to enter a name. By entering a name, the notifications get personalised, meaning “HAVE A NICE DAY” is now followed by the entered name.

1. Highlight the “ME” bar in the “MY BED” menu and press the ‘select’ button.
2. Press button 3 “EDIT” to enter a name.
 - 2.1. Use the ‘left’ and ‘right’ buttons to loop between the characters.
 - 2.2. Press the ‘select’ button to select a character.
 - 2.3. Press button 1 “DELETE” to delete a character or button 2 “SPACE” to make a space between the characters.
3. When the desired name is typed in, press button 3 “SAVE” to save the name.



ALARMS

The alarm menu is accessible for systems including massage. When the alarm goes off, the massage motors start, providing a soundless wake-up.

1. Highlight the "ALARMS" bar in the "MY BED" menu and press the 'select' button to access the alarm menu, which contains three alarms.
2. Press the 'select' button to enable the alarm. The icon changes to green.
3. Press button 2 "EDIT" to change the alarm.
4. To disable an alarm, simply highlight the alarm and press the 'select' button. The icon changes to white/grey.



When the alarm goes off, the massage motors start in the latest used mode and the HC40 screen shows a bell.

- a. Press button 1 "SNOOZE" to snooze the alarm for 9 minutes.
- b. Press button 3 "STOP" to stop the alarm.

When the alarm is stopped, it is disabled, and the user must go to the alarm menu to enable the alarm again for the next wake-up.



SLEEP TIMER

The sleep timer functionality is a timer for the bed to return to flat position or a predefined favourite position, e.g. a sleeping position with the head a little raised. A typical use scenario could be a user wanting to fall asleep watching TV. He has the back of the bed raised and he sets the timer to 30 minutes on the HC40. When the timer elapses, the bed drives to flat position and he can sleep in a comfortable position.



The sleep timer functionality requires impulse drive enabled. The LINAK subsidiary and customer must have a written agreement that the customer takes full responsibility for this functionality.

1. Highlight the "SLEEP TIMER" bar in the "MY BED" menu and press the 'select' button to access the sleep timer.
2. Use the 'up' and 'down' buttons to adjust the time.
3. Press button 3 "START" to start the timer.

A 'moon' icon is now shown next to the time to indicate that the sleep timer is on.



Cancelling/stopping the sleep timer

1. Access the "SLEEP TIMER".
2. Press button 3 "CANCEL" to stop the timer.



SHORTCUTS

It is possible to set shortcuts on the HC40. The shortcuts are meant for the user to put in his/her most used features, so they are only one click away from the main screen. This way the hand control can be personalised to the needs of the individual user.

The shortcut buttons are the top row of buttons referring to the text in the display.

Setting the shortcuts

1. Highlight the "SHORTCUTS" bar in the "MY BED" menu and press the 'select' button to access.
2. Highlight the bar with the wanted shortcut and press the 'select' button or button 2 "EDIT".
3. Highlight one of the options:
 - NONE (to remove a programmed shortcut)
 - ALARMS
 - FAVOURITE (saved favourite positions)
 - SLEEP TIMER (configurable)
 - TORCH
 - MY BED
 - CHILD LOCK
 - ABOUT
4. Press the 'select' button to choose the highlighted option.

A notification confirms the shortcut is saved.



The shortcut is now visible on the main screen and accessible in one click.

TIME & DAY

It is possible to adjust the time set during set-up of the hand control in the "TIME&DAY" menu in the "MY BED" menu.

1. Highlight the "TIME&DAY" bar in the "MY BED" menu and press the 'select' button to access.
2. Set the time:
 - 2.1. Highlight the "TIME" bar and press the 'select' button or button 2 "EDIT".
 - 2.2. Use the 'up' and 'down' buttons to adjust the time. Press button 1 to switch between 24H and AM/PM.
 - 2.3. Press the 'select' button or button 3 "SAVE" to save the time.



3. Set the day:
 - 3.1. Highlight the "DAY" bar and press the 'select' button or button 2 "EDIT".
 - 3.2. Use the 'left' and 'right' buttons to scroll to the actual day of the week.
 - 3.3. Press the 'select' button or button 3 "SAVE" to save the day.



LANGUAGE

The HC40 comes in ten different languages: English, French, Spanish, German, Swedish, Danish, Korean, Chinese, Finnish, and Norwegian.

1. Highlight the "LANGUAGE" bar in the "MY BED" menu and press the 'select' button to access the menu.
2. Use the 'up' and 'down' buttons to scroll through the languages.
3. Highlight the desired language and press the 'select' button.

A notification tells the user that the language is being set.

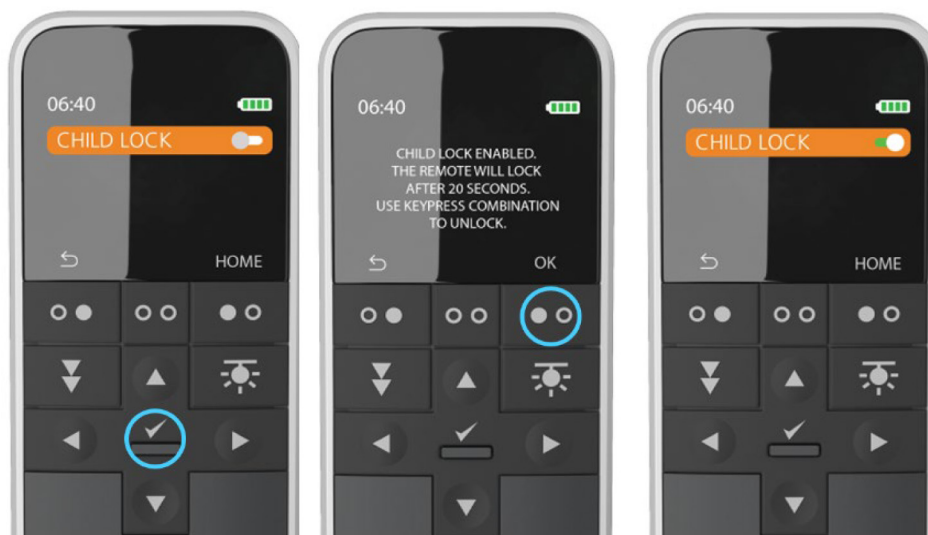


CHILD LOCK

It is possible to set a child lock on the HC40, meaning a specific button combination must be pressed to unlock the hand control before it is possible to run the bed.

Enabling the child lock

1. Highlight the "CHILD LOCK" bar in the "MY BED" menu
2. Press the 'select' button and a notification shows.
3. Press the 'select' button or button 3 "OK" to activate child lock.
4. The icon changes to green to indicate that child lock is enabled.



Unlocking the hand control

Child lock enabled is illustrated by a 'lock' icon at the top of the screen saver.

1. To unlock, press and hold at the same time the 'left' and 'right' buttons for 3 seconds until the main screen shows.

A guide explaining this procedure pops up at any press on a button from the locked screen saver.



TORCH

On the backside of the hand control is a torch.

Turning the torch on/off

1. Highlight the "TORCH" bar in the "MY BED" menu.
2. Press the 'select' button to enable the torch.

The first five times a tip on how to turn on/off the torch by shaking the hand control shows. Press the 'select' button or button 3 "OK". The icon changes to green and torch is now on.



The torch can also be turned on directly from any screen. Simply shake the hand control sideways twice. To turn it off, simply shake the hand control twice again.



Notifications

The HC40 sends notifications to the user to give a personal experience. When a name is typed in, the notification will adapt to that.

The standard notification “HAVE A NICE DAY [name]” appears when the hand control is picked up in the time slot from 05.00 to 11.00 every third Saturday.

The standard notification “GOOD MORNING [name]” appears when the hand control is picked up in the time slot from 05.00 to 09.00 every second Wednesday.

These notification settings are configurable.

The HC40 also shows other notifications to the user e.g. about how to pair if the HC40 is not connected to the bed, or if the battery has reached a low level.



Figure 5 Examples of notifications

Repairs

Only an authorised LINAK® service centre should repair the LINAK actuator systems. Systems to be repaired under warranty must be sent to an authorised LINAK service centre.

In order to avoid the risk of malfunction, all actuator repairs must only be carried out by an authorised LINAK Service shop or repairers, as special tools and parts must be used.

If a system is opened by unauthorised personnel there is a risk that it may malfunction at a later date.

LINAK systems or components may be disposed of, possibly by dividing them into different waste groups for recycling or combustion.

We recommend that our product is disassembled as much as possible at the disposal and that you try to recycle it. LINAK systems or components should be disposed of in accordance with the environmental regulations applicable in the respective country.

Further information on LINAK warranty can be found on the LINAK website www.linak.com/warranty.

Disposal of LINAK products

As LINAK customers often ask us how our products can be disposed or scrapped we have prepared this guide that enables a classification to different waste fractions for recycling or combustion.

Guide

We recommend our products to be disassembled as much as possible and divided into different waste groups for recycling or combustion.

For example, waste can be sorted into metals, plastics, cable scrap, combustible material, and recoverable resources.

Some of these main groups can be further divided into subgroups; e.g. metal can be divided into steel/aluminium/copper and plastic can be divided into ABS/PA/PE/PP.

As an example, the table below breaks down the different components in LINAK products to various recycling groups:

Product	Component	Recycling group
Handset/Control	Plastic housing	Plastic recycling or combustion
	Cable	Cable scrap or combustion
	PCB board	Electronics scrap

Almost all our cast plastic parts are supplied with an interior code for plastic type and fibre contents, if any.

Main groups of disposal

Product	Metal scrap	Cable scrap	Electronics scrap	Plastic recycling or combustion	Paper and cardboard recycling
HC40 FRAME™ Advanced	x		x	x	
HC40 TWIST™ Advanced	x		x	x	
Packaging				x	x

Disposal of batteries

Details regarding safe disposal of used and leaking batteries:

Batteries should be disposed of in accordance with appropriate federal, state and local regulations. LINAK recommends that used or leaking batteries are disposed of through the local recycling system. Please do not dispose of used or leaking batteries as normal household waste or in nature. This will cause damage to the environment.

How to deal with leaking batteries

Leaking batteries should be disposed of as described above.

If leaking batteries are discovered in the product, the batteries must be removed at once to minimise damage to the product. If leaking batteries are left in the product, it may become defective.

It is recommended to use plastic gloves when handling leaking batteries. The contents of leaking batteries can cause chemical burns and respiratory irritation.

If exposed to the contents of a leaking battery, please wash with soap and water. If irritation persists, please seek medical attention. In case of eye contact, please flush eyes thoroughly with water for 15 minutes and seek medical attention.

LINAK® application policy

The purpose of the application policy is to define areas of responsibilities in relation to applying a LINAK product defined as hardware, software, technical advice, etc. related to an existing or a new customer application.

LINAK products as defined above are applicable for a wide range of applications within the Medical, Furniture, Desk, and Industry areas. Yet, LINAK cannot know all the conditions under which LINAK products will be installed, used, and operated, as each individual application is unique.

The suitability and functionality of the LINAK product and its performance under varying conditions (application, vibration, load, humidity, temperature, frequency, etc.) can only be verified by testing, and shall ultimately be the responsibility of the LINAK customer using any LINAK product.

LINAK shall be responsible solely that the LINAK products comply with the specifications set out by LINAK and it shall be the responsibility of the LINAK customer to ensure that the specific LINAK product can be used for the application in question.

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