



# Bed Control™ App User manual

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# Preface

Dear User,

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

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

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

We are sure that your LINAK product 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 systems, you are always welcome to contact your local dealer.

LINAK subsidiaries and some distributors situated all over the world have authorised service centres, which are always ready to help you.

LINAK provides a warranty on all its products. 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 not to be opened by unauthorised personnel.

The User Manual has been written based on our present technical knowledge. We are constantly working on updating the information and we therefore reserve the right to carry out technical modifications.

**LINAK A/S**

## Important information

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



### Warning!

Failure to comply with these instructions may result in accidents involving serious personal injury.



Failing to follow these instructions can result in the product being damaged or being destroyed.

---

## Safety instruction



### General

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 the squeezing of fingers or arms.



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

**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.

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 ne doit 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.
- 

### **Labeling Requirements:**

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

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

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## 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 importantes

Les informations importantes sur les produits LINAK® peuvent être trouvées dans les rubriques suivantes:



### Attention!

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.

---

## Consignes de sécurité



### Général

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.

### **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.

# Repairs

In order to avoid the risk of malfunction, all HOMELINE® repairs must only be carried out by authorised LINAK® workshops or repairers, as special tools must be used and special gaskets must be fitted. Lifting units under warranty must also be returned to authorised LINAK workshops.



## Warning!

If any of the HOMELINE® products are opened, there will be a risk of subsequent malfunction.



## Warning!

The HOMELINE® systems are not resistant to cutting oil.

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## Manufacturer's declaration

### DECLARATION OF INCORPORATION OF PARTLY COMPLETED MACHINERY

**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 | LA10, LA18, LA27, LA29, LA31 HOMELINE, LA40 HOMELINE  |
| Dual Actuators   | TD3, TD4, TD5   |
| Controls         | HB10, HB10 Wireless, HB40, HB60, HC05 Wireless, HC10 Wireless, HC20 Wireless, HC30 Wireless                 |
| Accessories      | BLE2LIN, DC CONNECTOR, LED Lightbox, LED Light Rail, Lightplug001, Massage Motor, 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, 2019-05-27

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

Original Declaration

# DECLARATION OF CONFORMITY

LINAK A/S  
Smedevænget 8  
DK - 6430 Nordborg

hereby declares that LINAK actuator system items

Bluetooth accessory: BLE2LIN001, BLE2LIN002, BLE2LIN003

Bluetooth handset: HC05\*BL\*\*\*\*, HC2\*BL\*\*\*\*, DPG\*B\*\*.\*\*\*\*\*\*, DPG\*C\*\*.\*\*\*\*\*\*, DPG\*M\*\*.\*\*\*\*\*\*,  
HC4\*BL\*\*\*\*\*-, HC1\*BL\*\*\*\*, HB1\*BL\*\*\*\*, HBLP-U016-\*\*

(The \* in the product description can either be a character or a number, thereby defining the variation of the product)

complies with the Radio Equipment Directive 2014/53/EU according to the standard:  
ETSI EN 300 328 V2.2.1  
EN 62368-1:2014 + A11:2017  
ETSI EN 301 489-1 V2.2.1, ETSI EN 301 489-17 V3.2.0  
EN 62479:2010

complies with RoHS2 Directive 2011/65/EU according to the standard:  
EN 50581:2012

Nordborg, 2019-10-28

## LINAK A/S

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

Original Declaration

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Use the BLE2LIN in an environment with temperature between -10 and +50 °C. Otherwise, the BLE2LIN may be damaged. It can be operated at altitudes up to 2000 m.

Hereby, LINAK A/S declares that the radio equipment type BLE2LIN is compliant with Directive 2014/53/EU.



The equipment is a Bluetooth® Adapter powered by 9 V or 18 V DC input charged via a RJ45 port.

Operating Frequency Range: Bluetooth 2402 - 2480 MHz  
The maximum RF Output Power: -9.81 dBm EIRP

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If required, the RoHS mark must be obtained by the manufacturer of the end products. LINAK A/S can supply the required material information on our products.

For more information, visit: <https://www.linak.com/about/declarations/>

or contact: [chemicalcompliance@linak.com](mailto:chemicalcompliance@linak.com)

## Misc. on the HOMELINE® system

### Warranty

There is a 36 months' warranty on the HOMELINE products when used in HOMELINE applications against manufacturing faults from the production date of the individual products. The LINAK® warranty is only valid in so far as the equipment has been used and maintained correctly and has not been tampered with. Furthermore, the system must not be exposed to violent treatment. In the event of this, the warranty will be ineffective/invalid. For further details, please see standard terms of sale and delivery for LINAK A/S.

### Maintenance

Clean dust and dirt on the outside of the system at appropriate intervals and inspect 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 6-8).**

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## Bluetooth® Adapter

The Bluetooth® Adapter BLE2LIN002 allows you to adjust your LINAK product wirelessly from an app or a Bluetooth® hand control. Simply download the app, plug the Bluetooth® Adapter into your HOMELINE® control box or TD3, pair the adapter with your smartphone or tablet and your application can now be adjusted via your smartphone or tablet.

The BLE2LIN002 is a very compact unit requiring a minimum of space. No mounting is needed, just plug in the adapter and you are ready.

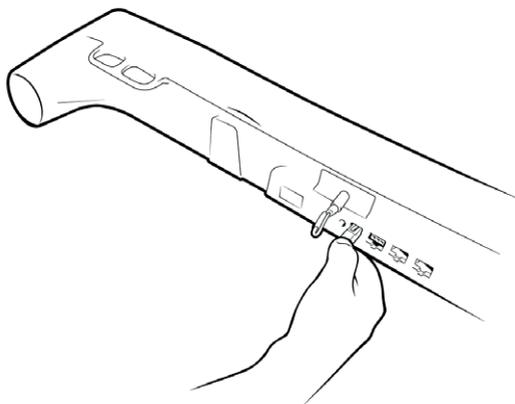
### Usage:

- Compatible with TD3 and CBH Advanced
- Compatible with the Bed Control™ App
- Compatible with HC05BL, HC10BL, HC20BL, HC30BL and HB10BL
- Ambient temperature: 5 to 40 °C
- Storage and transport temperature: -10 to +50 °C
- Complies with FCC ID (PART 15C)
- Complies with IC (RSS247)



## How to use the Bluetooth® Adapter with CBH Advanced and TD3

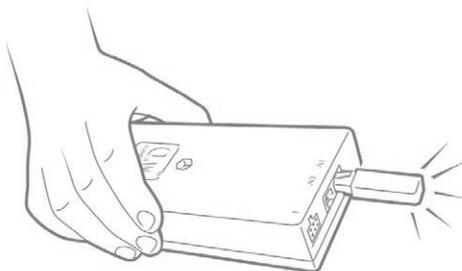
Plug the Bluetooth® Adapter into a powered TD3.



Or plug the Bluetooth® Adapter into a powered CBH Advanced.



The pairing mode will last 3 minutes and is indicated with a blue flashing LED light that is visible through the transparent plastic. (It can take up to 10 seconds before pairing mode starts).



## Pairing with a hand control

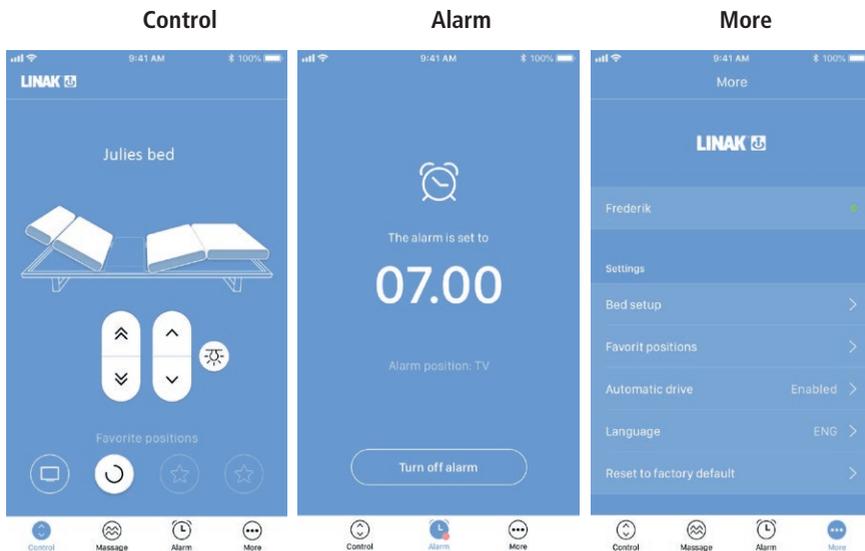
You can pair a Bluetooth® hand control to the Bluetooth® Adapter plugged into the CBH Advanced or TD3.

1. Set the Bluetooth® Adapter in pairing mode.
2. Take you hand control and press the two upper buttons at the same time.  
Now the light will give a long blink and indicate that the hand control and the Bluetooth® Adapter are paired up.

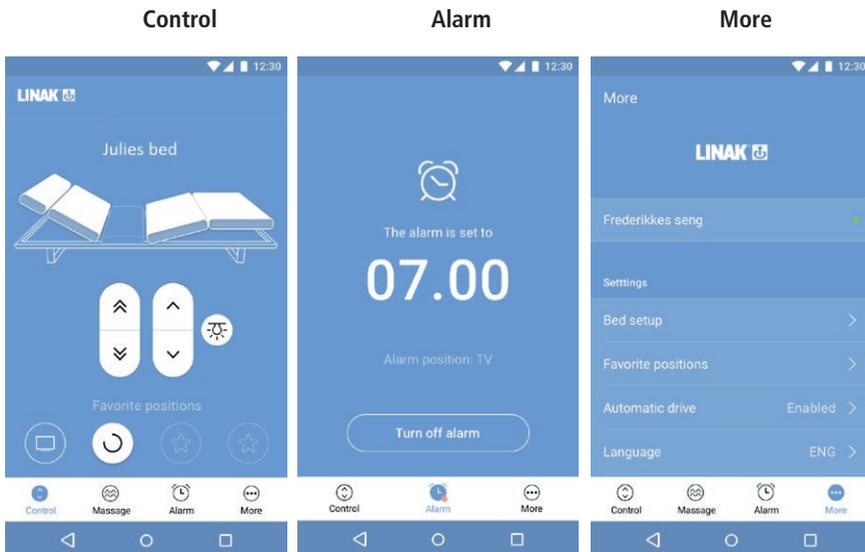


# How does the app look?

## iOS version



## Android version



## Downloading apps

The apps are called "Bed Control™" and they have the following app logo in Apple App store and Google Play store:



## How to download the App for iOS

**Step 1:** Please use your Apple device to log into App store

**Step 2:** Type "Bed Control" in the search column

**Step 3:** Select the "Bed Control" app

**Step 4:** Click install to download the app to your device

You can also scan this QR code to reach the Apple App Store.



## How to download the App for Android

**Step 1:** Please use your Android device to log into Google Play Store

**Step 2:** Type "Bed Control" in the search column

**Step 3:** Select the "Bed Control" app

**Step 4:** Click install to download the app to your device

You can also scan this QR code to reach the Google Play Store.



Turn on Bluetooth® on your smart device to use the Bed Control™ App.

# Connecting

## Pairing to the Bluetooth® Adapter

Connect the Bluetooth® Adapter to the CBH Advanced or the TD3 simply by plugging it in. The Bluetooth® Adapter is a very compact unit requiring a minimum of space. No mounting is needed, just plug in the adapter and you are ready.

When the Bluetooth® Adapter is plugged into a powered TD3 or CBH Advanced, it will be in pairing mode for 3 minutes. A blue flashing LED will indicate this.

You pair your smart device to the Bluetooth® Adapter in the app.

Enable Bluetooth® on your smartphone or tablet. Open the Bed Control™ app and the app automatically searches for a Bluetooth® Adapter in pairing mode nearby and connects to that adapter.

The ID of the connected adapter is displayed. The Bluetooth® Adapter automatically re-establishes connection to the paired devices once they are within range and turned on.

## Pairing to the TD4/TD5

Connecting the TD4/TD5 to the mains brings the TD4/TD5 in pairing mode for 3 minutes and the Under Bed Light will flash to indicate this. Enable Bluetooth® on your smart device. Open the Bed Control™ app and the app automatically searches for a TD4/TD5 in pairing mode nearby and connects to that TD4/TD5. The ID of the connected bed is displayed. The smart device and the TWINDRIVE® system are now paired up and the app will guide you through the onboarding flow.

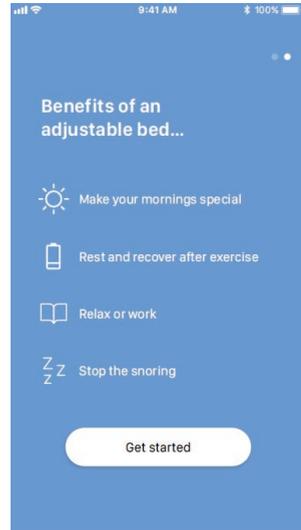
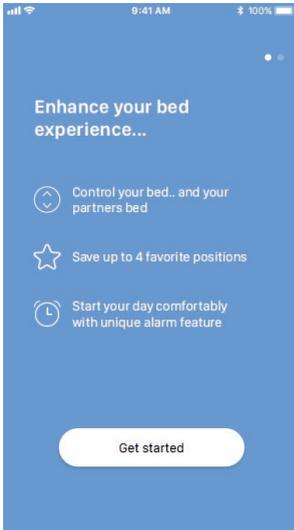
## Switching between the Bed Control™ App and the hand control

You can connect both the Bed Control™ App and a hand control to a Bluetooth® Adapter or the TWINDRIVE® system. Both connections can be established, but you can only control the bed with one control at a time.

- Controlling the app with the phone/tablet: As long as the app is open and the operation page is displayed, the connection is active and you cannot use the paired hand control.
- If you wish to control the bed with the hand control instead, exit the app and wait for 5 seconds. It is not necessary to close the app completely, it can still run in the background. Now, the connection to the smart device is no longer active and you can use the hand control to adjust the bed.
- Closing the app completely will disconnect the app from the Bluetooth® Adapter or the TD4/TD5 and the connection needs to be re-established when the app is opened again.

## Getting started

When you open the app, the display shows a list of options available in the app. If you swipe to the left, a list of benefits of an adjustable bed displays.



Press "Get started" on either screen.

### For Android only:

Enable GPS location to allow the app to scan for Bluetooth® devices. If not done, the app will not be able to detect beds nearby in pairing mode and thus not work.

## Onboarding flow

Start by choosing your bed type and press “Next” to start the onboarding flow.



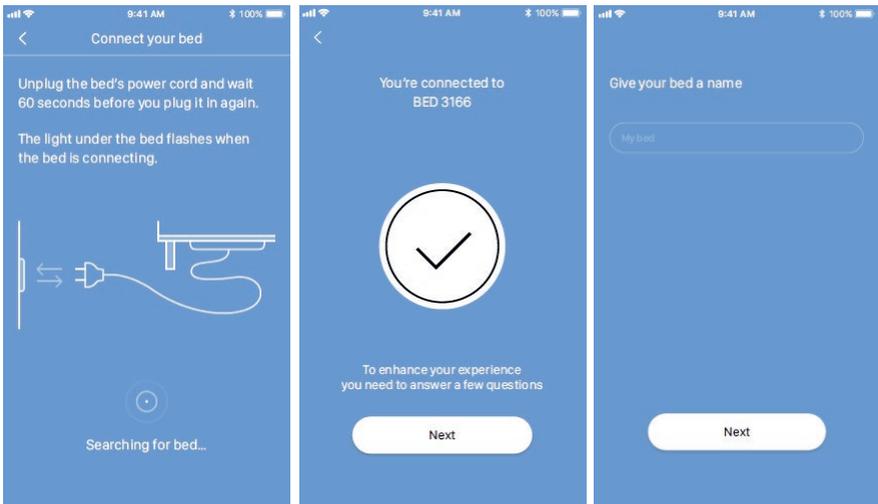
## Single bed

Connect your bed to mains. The Under Bed Light (or the Bluetooth adapter) starts flashing to indicate that your bed is in pairing mode.

The app automatically searches for a bed in pairing mode nearby and connects to that bed. The ID of the connected bed is displayed.

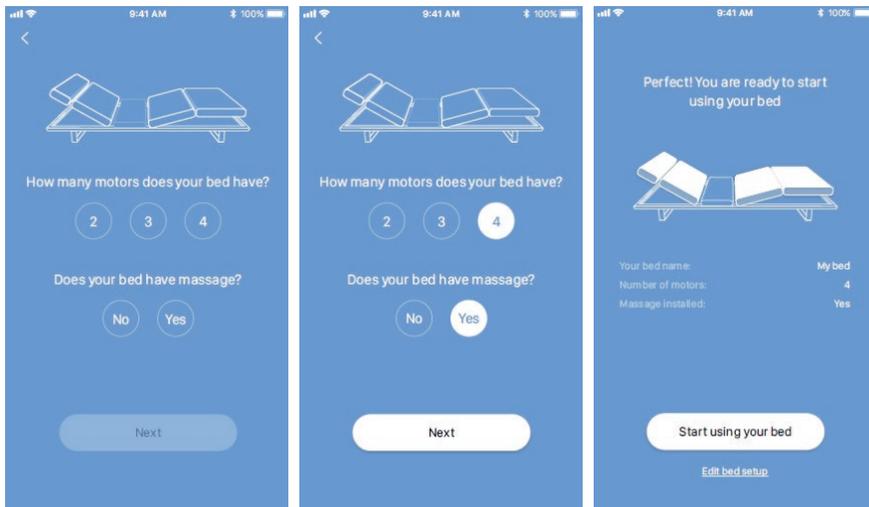
Press “Next”.

Enter a bed name and press “Next”.



Select the number of motors in your bed and whether your bed has massage or not, press "Next", and the screen will show your settings.

Should you have made wrong selections, press "Edit bed setup" to change the bed settings. When done, your bed is ready for use.



## Double bed

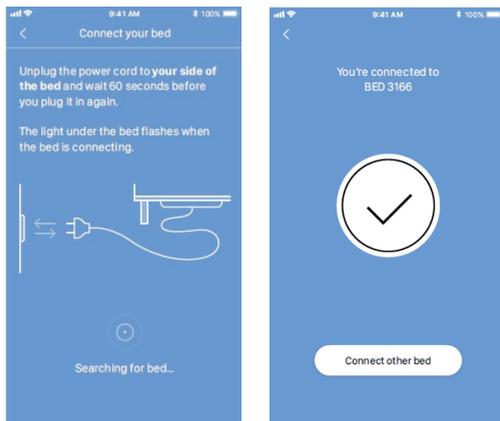


Ensure that only one bed at a time is in pairing mode.

Connect your side of the bed to mains. The Under Bed Light (or the Bluetooth adapter) starts flashing to indicate that your bed is in pairing mode.

The app automatically searches for a bed in pairing mode nearby and connects to that bed. The ID of the connected bed is displayed.

Press "Connect other bed" ..

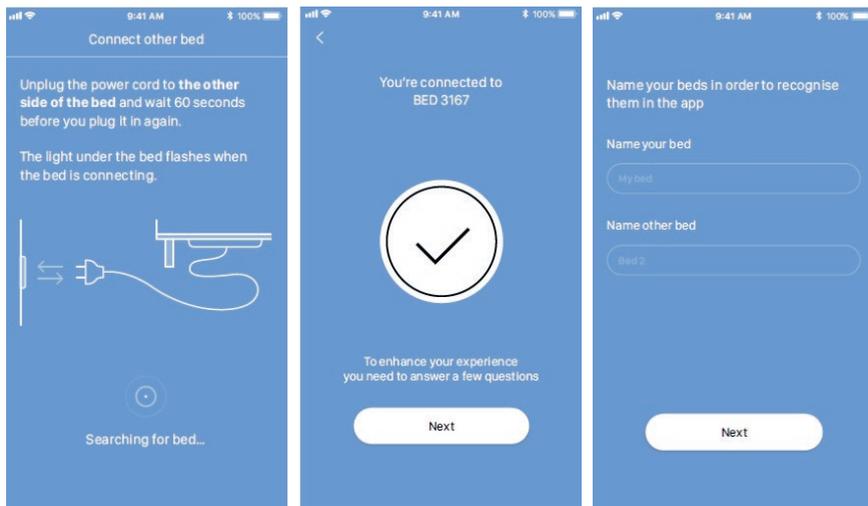


Connect the other side of the bed to mains. The Under Bed Light (or the Bluetooth adapter) starts flashing to indicate that the other bed is in pairing mode.

The app automatically searches for a bed in pairing mode nearby and connects to that bed. The ID of the connected bed is displayed.

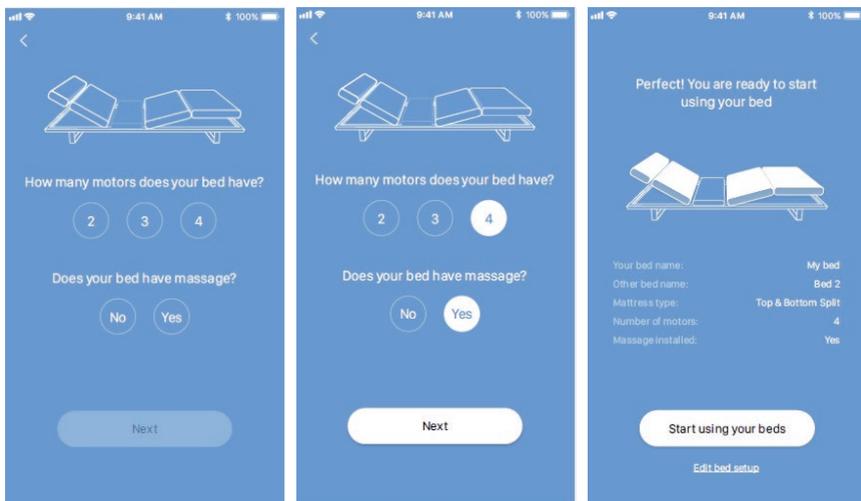
Press "Next".

Enter a bed name and press "Next".



Select the number of motors in your bed and whether your bed has massage or not, press "Next", and the screen will show your settings.

Should you have made wrong selections, press "Edit bed setup" to change the bed settings. When done, your bed is ready for use.



## Double bed (synchronised)

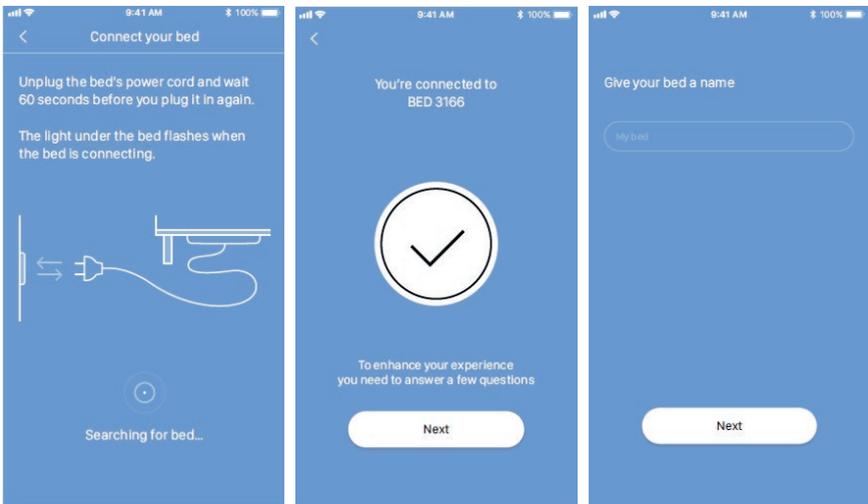
This setup is just like the single-bed setup, only the graphics show a double-bed instead of a single bed.

Connect your bed to mains. The Under Bed Light (or the Bluetooth adapter) starts flashing to indicate that your bed is in pairing mode.

The app automatically searches for a bed in pairing mode nearby and connects to that bed. The ID of the connected bed is displayed.

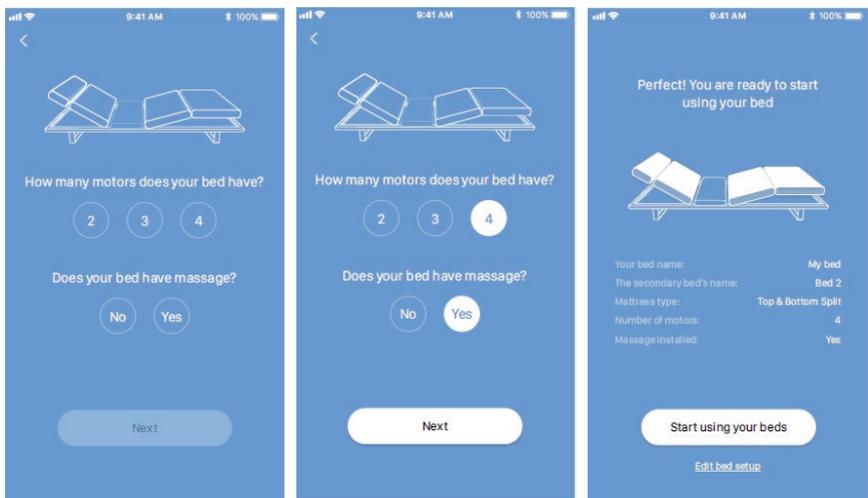
Press "Next".

Enter a bed name and press "Next".



Select the number of motors in your bed and whether your bed has massage or not, press "Next", and the screen will show your settings.

Should you have made wrong selections, press "Edit bed setup" to change the bed settings. When done, your bed is ready for use.



## Operation

The Bed Control App consists of up to four different tabs to navigate between: "You", "Message", "Alarm" and "More".

Please note that the "Message" option is only available if you selected massage during the onboarding flow.



Enters the control screen for adjusting the bed

Control



Enters the message screen for controlling the massage in the bed

Message



Enters the alarm screen for setting up alarms and bed position or massage mode

Alarm

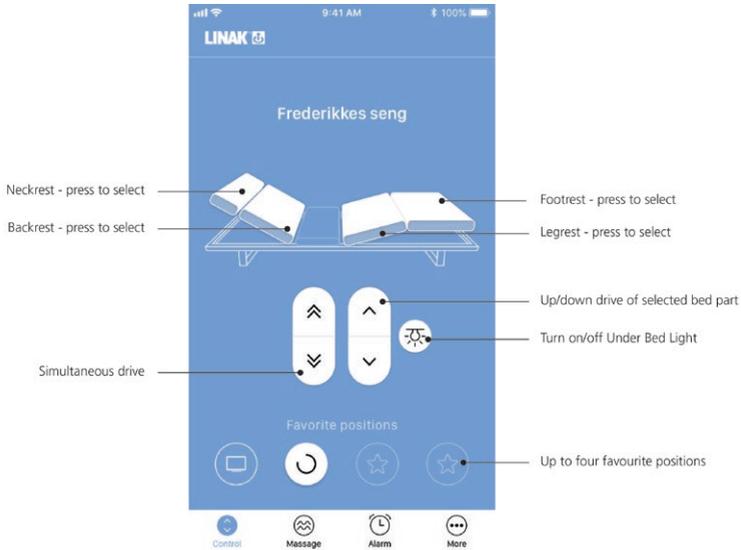


Enters the settings screen for adjustment of various app settings

More

## Control screen

From the "Control" screen you can adjust the bed to various positions, save your favourite positions, and turn on/off the Under Bed Light.



## Select back, leg, neck or foot

Select which part to operate back, leg, neck or foot. Use the single arrows to adjust up/down. Pressing the double arrows will highlight all parts of the bed and simultaneous drive is activated. Simultaneous drive moves back and leg up or down at the same time.

With a 4-motor system, the motor references have been defined to always be placed in the following channels in the control box:

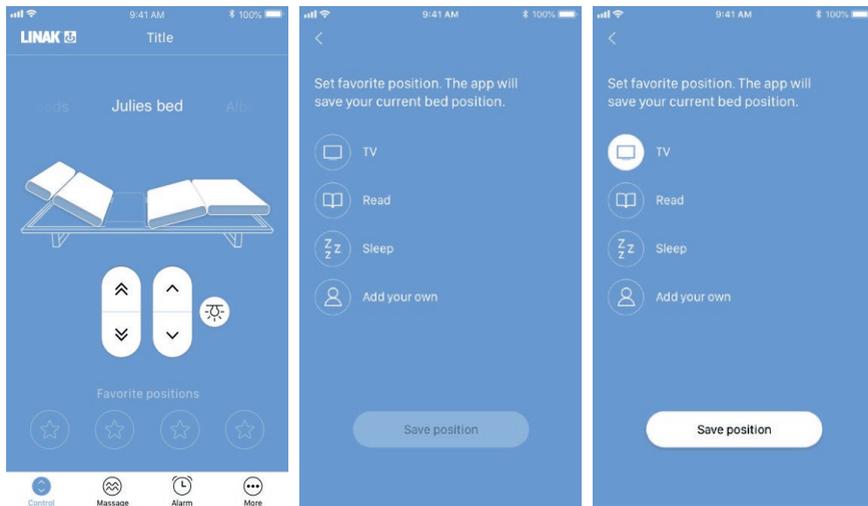
|       |             |
|-------|-------------|
| Back: | Reference 1 |
| Leg:  | Reference 2 |
| Neck: | Reference 3 |
| Foot: | Reference 4 |

Due to power restrictions, the simultaneous drive can only run on two motors at the same time. Thus, the motors are running in pairs and always as follows:

|                  |  |
|------------------|--|
| Upwards drive:   | References 1 & 2, followed by references 3 & 4 |
| Downwards drive: | References 3 & 4, followed by references 1 & 2 |

## Favourite positions

You can save up to four favourite positions. Adjust the bed to the desired position, press a “star”, select a name/icon (e.g. TV), and save the position. When saved, the positions can be directly accessed by pressing the corresponding button.

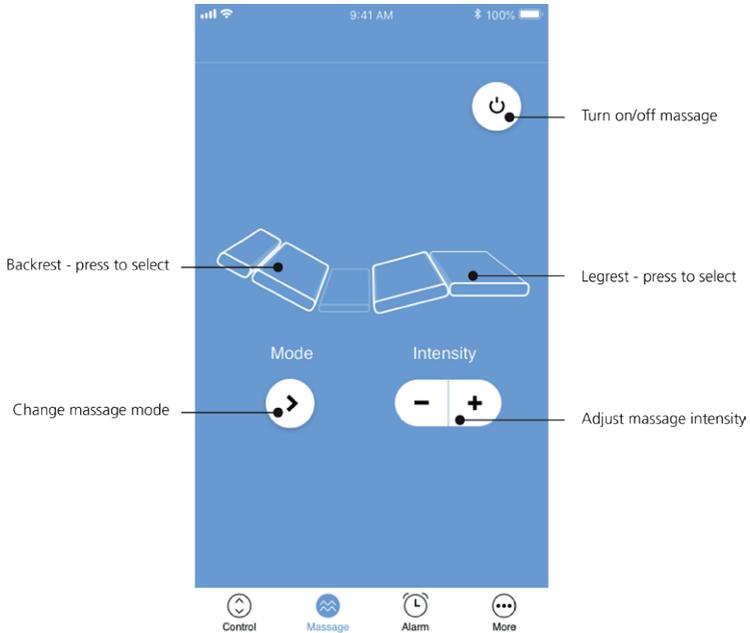


## Renaming bed

The paired application can be renamed in the settings screen – choose the “More” tab in the bottom of the screen and go to “Bed setup”.

## Message screen

Press "Message" to access the "Message" screen in which you can select for which parts of your bed to turn on/off the massage and adjust the massage mode and intensity.



### Select back or leg rest

Select by pressing which part of the bed to start/stop or to adjust the massage on.

### Change message mode

Toggle between the different massage modes. The number of modes to choose from is defined by the configuration in the CBH Advanced.

### Adjust message intensity

Adjust the massage intensity up and down. Press "-" multiple times to turn off the massage.

## Alarm screen

Press "Alarm" to access the alarm screen in which you can set the time for when you want to wake up. The alarm function depends on whether your bed is equipped with massage or not.

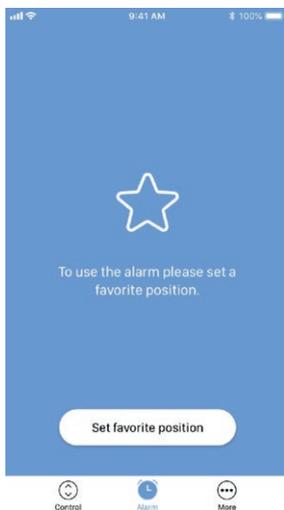


Automatic drive must be enabled for the alarm function to work.

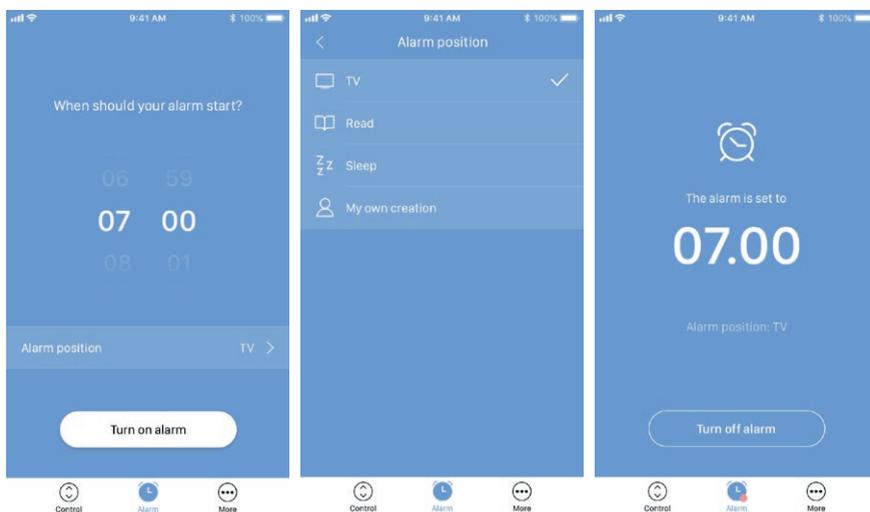
## Alarm without message

In a bed without massage, the alarm function drives the bed to a selected favourite position.

If none are saved, you will be prompted to set a favourite position, see instructions above.



Adjust the alarm time. To change the alarm position, press "Alarm position" and select another favourite position. When all settings are done, press "Turn on alarm". The set alarm time and position are shown on the "Alarm" page.



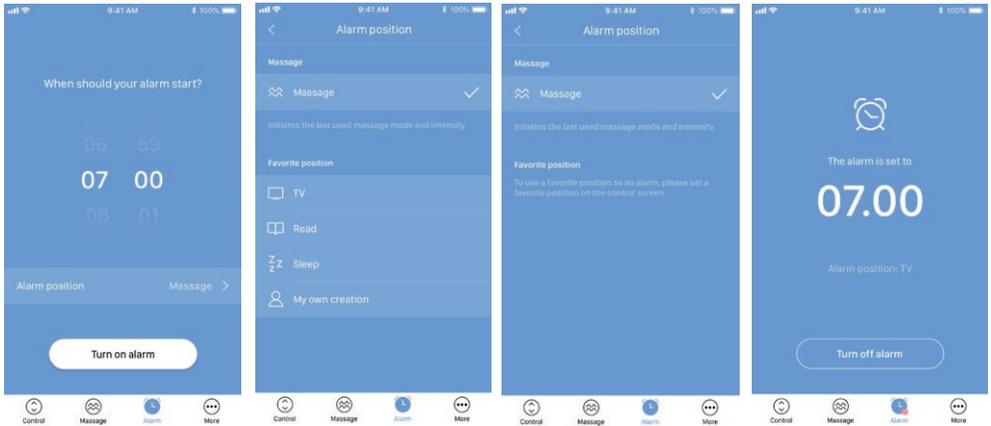
If you want the alarm to go off the next morning, you have to turn it on again.

## Alarm with message

Adjust the alarm time. If one or more favourite positions have been saved, it is possible to choose to wake up to either message or bed drive to a favourite position. To change “Message” to a favourite position, press “Alarm position” and select a favourite position. When all settings are done, press “Turn on alarm”. The set alarm time and position are shown on the “Alarm” page.

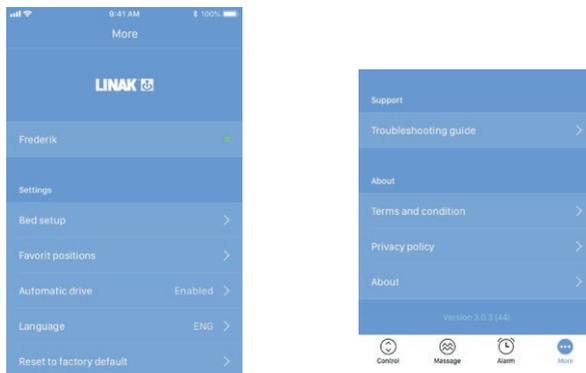


Do not close the app when an alarm is set as this will turn off the alarm. The app can run in the background, though.



## More screen

Press “More” to get access to a list of setting options and information arranged in three groups (the graphics below show a split view).



## Settings

In the "Settings" section you can change the bed setup and your favourite positions, enable/disable automatic drive, switch language, and reset the app to its default settings.

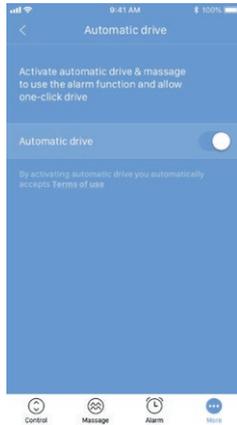
## Automatic drive

If "Automatic drive" is enabled, you can make the bed adjust non-stop to any favourite position by just pressing the relevant button once. This function is called "one-click-drive".



You have to accept the terms, i.e. accept the responsibility of any danger that can occur under these circumstances, in the pop-up notification before this feature can be enabled.

If you press any button or close the app during this automatic drive, you will interrupt the bed adjustment.

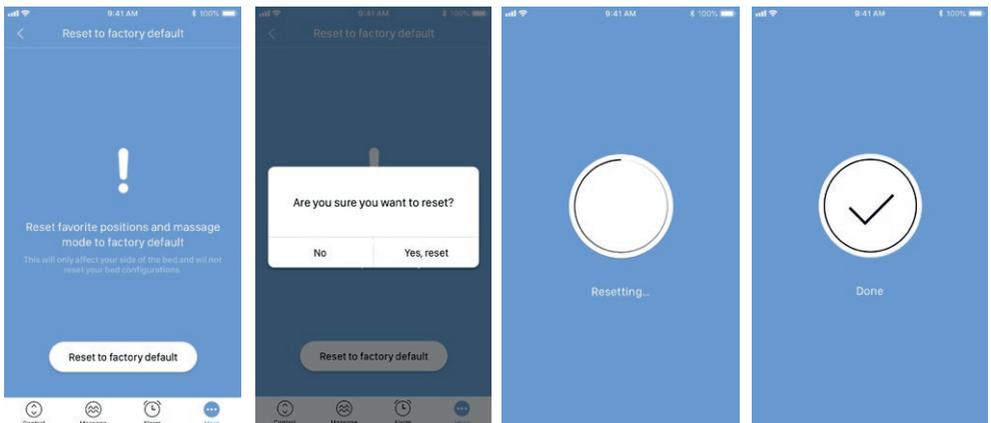


## Language

The language is default set to the language of the operating system of your smart device. Choose between eight different languages in the app. The available languages are English, Danish, Spanish, French, Italian, Korean, Swedish and German.

## Reset to factory default

When resetting the app to its factory default, only the changes made to your side of the bed, your favourite positions and your alarm settings will be reset.

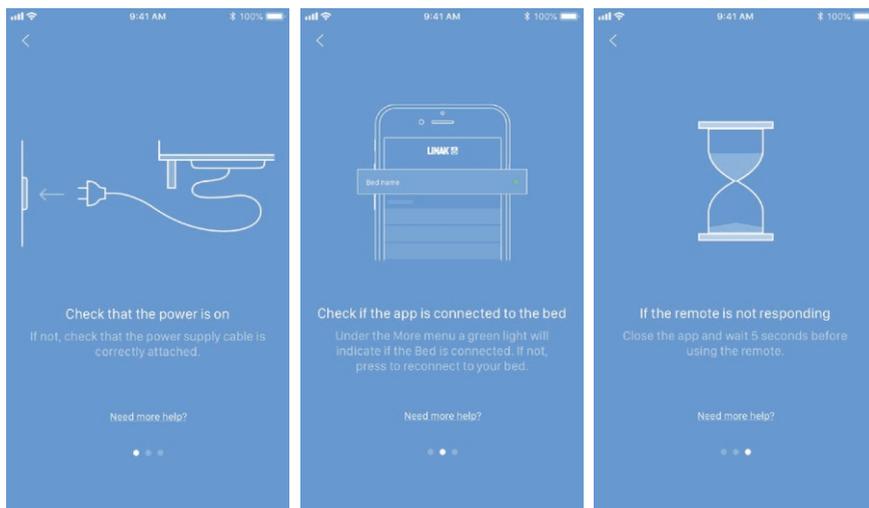


## Support

In the "Support" section you can find the support tool.

### Troubleshooting guide

The built-in troubleshooting guide can help you solve some common errors. Press "Need more help?" to get to the LINAK web page on which a video is available that will help solve the problem.



## About

The "About" section contains the terms and conditions for using the Bed Control™ app as well as the LINAK privacy policy.

According to the privacy policy, LINAK respects your privacy and does not access or use any data entered in the app (such as favourite positions and bed names) or collected by the app (statistics). The information is stored only on your device and can therefore only be accessed in your device.

In "About" you will find the following links:

### Product information

Link to LINAK website with information about this app.

### Product support

Link to LINAK website with technical support.

## Disposal of LINAK's products

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

### Guidance

We recommend that our products 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          | Components                            | Recycling group   |
|------------------|---------------------------------------|---|
| Handset/Control: | Plastic housing<br>Cable<br>PCB board | Plastic recycling or combustion<br>Cable scrap or combustion<br>Electronics scrap |

By now, almost all our casted plastic parts are supplied with an interior code for plastic type and fibre contents, if any.

## Main groups of disposal

| Product main groups | Metal Scrap | Cable scrap | Electronics scrap | Plastic recycling or combustion | Comments |
|---------------------|-------------|-------------|-------------------|---------------------------------|----------|
| Bluetooth® Adapter  |             |             | X                 | X                               |          |

## Disposal of batteries

"Details regarding safe disposal of used and leaking batteries:

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

### How to deal with leaking batteries

Leaking batteries should be disposed as described above.

If leaking batteries are discovered in the product, the batteries must be removed at once to minimise damage to the product.

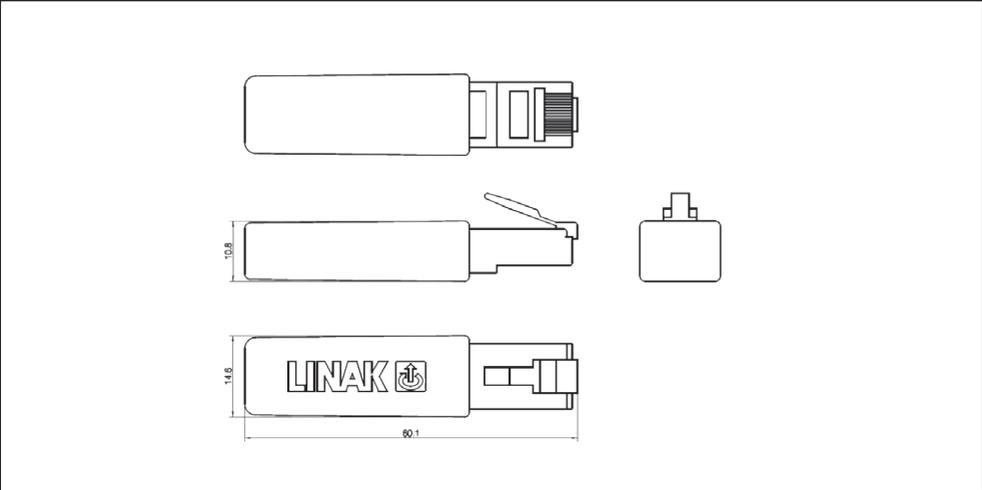
If leaking batteries are left in the product, it become defective.

It is recommended to use plastic gloves when handling leaking batteries. The contents of a 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."

**DRAWING APPENDIX**

Bluetooth® Adapter



# Label

Bluetooth® Adapter



## 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 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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