

HOMELINE®

## Product overview



# LINAK® - We improve your life

Since 1990, LINAK has helped redefine modern workplace interiors by developing electrical height adjustment systems for office desks and workstations worldwide – often in close collaboration with manufacturers or external interior designers.

Collaboration means a close relationship with our customers when developing new and innovative ergonomic solutions for office desks, workbenches, and kitchens.

The aim is to improve both the comfort for the end-user and increase demand for your product.

This collaborative philosophy has so far earned LINAK a position as a world wide leading supplier of high-quality adjustment solutions. Today we enjoy a solid reputation worldwide as a dedicated partner and consultant with extensive insight into applications, regulations and the market in general.

# LINAK® HOMELINE® designs

LINAK® designs and manufactures electric adjustment systems for comfort furniture. Through decades we have adapted solutions and followed changing trends and consumer needs.

We design and provide complete modular actuator systems that fit effortlessly into comfort beds and recliners. Our HOMELINE® specialists ensure compatibility on all levels, so you can get a complete system from one supplier.



More info  
about com-  
fort furniture  
applications







# Dual actuator systems for beds

An electric dual actuator is a unique integrated system that can perform two separate adjustments of a bed with just one unit.

LINAK® TWINDRIVE® dual actuators are designed for adjustable comfort beds - in slatted beds or box spring beds. The very small built-in dimensions result in maximum free space underneath the bed.



**Pictograms for intuitive mounting**



**Under Bed Light**



**ZERO™ standby power**



**Emergency lowering**

## **TWINDRIVE TD4 Standard**

- Max. lifting capacity: up to 5,500 N
- Bluetooth® communication
- Integrated Under Bed Light
- Mechanical emergency lowering
- Mains cable strain relief
- Soft start/stop

## **TWINDRIVE TD4 Advanced**

- Max. lifting capacity: up to 5,500 N
- Bluetooth® communication
- Integrated Under Bed Light
- Mechanical emergency lowering
- Soft start/stop
- Supports favourite positions
- Parallel drive of 2 beds
- Compatible with SMPS001/006
- Supports LINAK Voice control solution
- Works with Ok Google or Amazon Alexa

## **TWINDRIVE TD5 Standard**

- Max. lifting capacity: up to 7,000 N
- Bluetooth® communication
- Integrated Under Bed Light
- Mechanical emergency lowering
- Mains cable strain relief
- Soft start/stop

## **TWINDRIVE TD5 Advanced**

- Max. lifting capacity: up to 7,000 N
- Bluetooth® communication
- Integrated Under Bed Light
- Mechanical emergency lowering
- Soft start/stop
- Supports favourite positions
- Parallel drive of 2 beds
- Compatible with SMPS006
- Supports LINAK Voice control solution
- Works with Ok Google or Amazon Alexa



**More info  
about dual  
actuators**







ABSTRACT FIGURES  
No. 1



# Single actuator systems for beds

A LINAK® single actuator set for comfort beds is designed to create both a compact and lightweight system while still maintaining valuable features.

Not only does the compact nature of the systems provide a system easy to integrate in various bed designs, the actuators also come with the optional click-on back fixture – making both mounting and assembly even easier.

Possible adjustments include not only leg and back, but it is also possible to add neck and foot adjustment.

For advanced editions of single actuators for comfort beds it is possible to add massage motors directly to the system. Which actuator set is suitable for your application depends on your requirements.



## LA18 IC Standard System

- Max. lifting capacity: up to 6,000 N
- Bluetooth® communication
- Integrated controller
- Integrated Under Bed Light
- Soft start/stop

The Standard system is perfect for beds requiring up to 6,000 N of power to adjust leg, back and possibly neck and/or feet.

It comes with standard features known from other LINAK® products for comfort beds such as IC (Integrated Controller), Under Bed Light, and the option of controlling the bed with a wireless unit, be it a hand control or an app.



## LA18 IC Advanced System

- Max. lifting capacity: up to 6,000 N
- Bluetooth® communication
- Integrated Controller
- Integrated Under Bed Light
- Soft start/stop
- Support favourite positions
- Massage motors connects directly
- Parallel drive of 2 beds
- Supports LINAK Voice control solution
- Works with Ok Google or Amazon Alexa

The Advanced system is perfect for beds requiring up to 6,000 N of power to adjust leg, back or possibly neck and/or feet.

These systems come with the regular features known from the Standard system, adds favourite positions, parallel drive of two beds, option of adding massage motors directly without the need for additional control boxes.







# Hand control HC40

Inspired by a large user survey among comfort furniture consumers, LINA<sup>®</sup> developed a hand control inspired by users.

The LINA<sup>®</sup> Hand Control HC40 is like nothing you have seen before. We made every survey response count,

and instead of just one new hand control, we made it a whole family of four.



Perfect design looks different, depending on where in the world you are.

This became the two HC40 variants – HC40 FRAME™ and HC40 TWIST™.

To meet requirements for 2-actuator beds, on which you can adjust the backrest and the leg support, a standard version of the HC40 was designed.

However, some users expect to have far more features incorporated in their comfort bed. This is the reason for designing an Advanced version of the HC40.

All four versions accommodate the request from brands and manufacturers for customisability.



## Plus X Award winner

Both the HC40 FRAME™ Advanced and the HC40 TWIST™ Advanced won the Plus X-Award 20/21 in the categories:

- High Quality
- Design
- Ease of use
- Functionality





# Hand controls for beds



## HC40 FRAME™ Standard

- Control up to 2 channels
- Simultaneous drive
- Keypad backlight
- Exchangeable batteries
- Wireless connection



## HC40 FRAME™ Advanced

- Control up to 4 channels
- Save favourite positions
- Control massage
- Plus X Award Winner 20/21
- Shake torch function
- Program shortcuts
- Exchangeable batteries
- Wireless connection



## HC40 TWIST™ Standard

- Control up to 2 channels
- Simultaneous drive
- Keypad backlight
- Exchangeable batteries
- Wireless connection



## HC40 TWIST™ Advanced

- Control up to 4 channels
- Save favourite positions
- Control massage
- Plus X Award Winner 20/21
- Shake torch function
- Program shortcuts
- Exchangeable batteries
- Wireless connection



## HC50

- Control up to 4 channels
- Elegant design
- Simultaneous drive
- Save favourite positions
- Under Bed Light
- Torch function
- Exchangeable batteries
- Wireless connection



## HC20

- Control up to 4 channels
- Save favourite positions
- Simultaneous drive
- Torch function
- Keypad backlight
- Control massage
- Exchangeable batteries
- Wireless connection



## HC10

- Control up to 2 channels
- Easily operated
- Simultaneous drive
- Switch on/off the Under Bed Light
- Exchangeable batteries
- Wireless connection



## BP11

- Control 1 channel
- Optional bracket
- Exchangeable batteries
- Wireless connection



## BP12

- Control up to 2 channels
- Optional bracket
- Exchangeable batteries
- Wireless connection



## BP13

- Control up to 3 channels
- Optional bracket
- Switch on/off the Under Bed Light
- Exchangeable batteries
- Wireless connection



## Customise controls

You can customise the controls to blend seamlessly with your design. The hand control units can be delivered in any colour and you can even choose to add your own logo to the battery lid.





# Accessories for beds



## MD1 Massage motor

- External massage motors
- For Advanced systems



## Battery drawer

- Electrical emergency lowering
- Compatible with TD4 and TD5 Advanced



## LED light rail

- Powerful Under Bed Light
- Connect up to three rails in a series
- Slim and compact



## SMPS001/002

- External power supply
- 230 V and 120 V versions
- 0.1 W standby power



## SMPS006

- External power supply
- Universal unit
- 0.1 W standby power



## SMPS007

- External power supply
- 120 V version
- 0.1 W standby power



## BA001 Battery box

- Battery alarm (audio)
- Battery charging indicator (LED light bars)
- Capacity 2.2 Ah/53 Wh
- Nominal voltage 24 V
- Mounting bracket for easy mounting/demounting



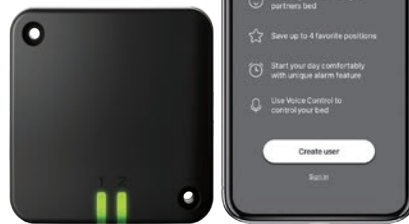
## CBD6DC Control box

- Ultra-compact design
- Connects one or two actuator
- Soft start/stop function

## Voice control solution

### Enable voice control with your bed design

To make it easy for both bed manufacturers, designers and, most of all, end-users, LINAK® has developed an all-in-one solution. It includes the Bed Control IoT app needed to create a user account, a full cloud solution, and a set of voice commands that work with Ok Google or Amazon Alexa. Combined with the WiFi2LIN Module it forms the LINAK® Voice Control solution.



### WiFi2LIN module

- Enable the bed with Wi-Fi
- Easily mounted under the bed
- Part of Voice Control
- Solution

### Voice Control

- Control the bed by voice
- Works with Ok Google
- Works with Amazon Alexa





# Improve routines

Smart speakers with voice control are moving in everywhere – also in the bedroom. Devices like Google Home and Amazon Alexa are already in millions of homes across the world.

In January 2019, Amazon claimed to have sold 100 million units in the USA alone\*, and entering 2020, Google expects to have 500 million Google Assistant monthly users worldwide\*\*. For both devices, the aim is the same: to enhance the product experience for the end-user.

\*) Source: VoiceBot.ai - 'Smart Speaker Consumer Adoption Report 2019

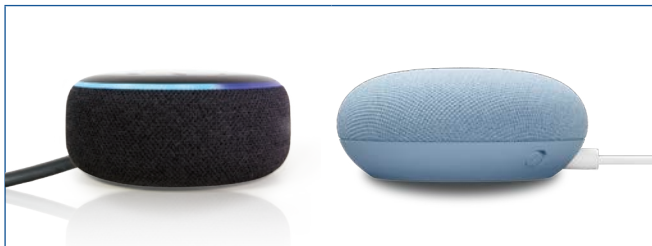
\*\*) Source: Business Insider, 7 January 2020

## Improve routines

This adds more to a Smart Home than “just talking” to your home applications through a voice assistant-enabled device. Connecting the bed to Wi-Fi is in fact connecting the bedroom to the rest of the Smart Home, and thereby creating value and ultimately making everyday routines much easier.

Imagine a bedtime routine where the system automatically dims the light, locks the front door, and gently lowers your bed to a sleep position when you say: “Alexa, Goodnight!”. All without lifting a finger!

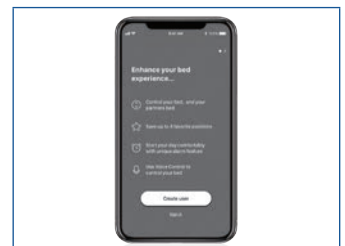
## Example of complete voice control solution



**Smart speaker example:**  
**Amazon Alexa or Google Nest Mini**



**WIFI2LIN**



**Voice Control™ app**

## Cable connectivity

The LINAK connectivity offer which involves this all-in one package solution will future-proof your beds, support your brand, help consumers change their daily routines and ultimately improve their lives.

To achieve this you need the LINAK Voice Control Solution which consists of the Bed Control™ IoT app to create a user account, a full cloud solution, a set of voice commands that work with Ok Google or Amazon Alexa, as well as the WiFi2Lin Module.

This is how you start improving your beds with LINAK to become your customers' dream.





# Customised Bed Control™ app

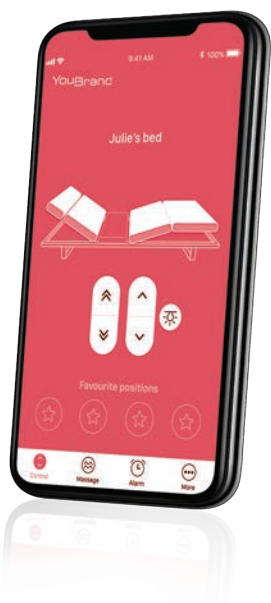
Bring a brand even closer to the end-user. Create your own and customised app in a few easy steps.

Get your name in the app stores and an app that displays your brand. We have made it easy to customise the Bed Control™ app to reflect your corporate identity and create brand awareness with your logo, colours and links. The best of two worlds: your own brand on a fully

tested app – with a minimum of effort. No need for reinventing the wheel to have an app as a control option.

## **Want to see how your customised app could look?**

Get a visit from one of our local sales people and they will take you through it via our new Product Customisation Tool.



### **Bed Control™ app**

- Use your logo
- Choose your colour
- Link to your website



### **SDK Software Development Kit**

The SDK allows you to develop your own app, add extra features to the Bed Control™ app, alter functions, introduce a personalised layout, and much more. All you need is a good idea and an app developer to use the kit – LINAK® delivers the base.

We have made it easy for you to stand out.







# Recliner solutions

Creating comfort for consumers requires a great deal of effort – especially when it comes to comfort furniture. That is why we spend a considerable amount of time with people across the supply chain, before we begin developing new products and systems.

We wanted to design the most intuitive, easy-to-assemble, durable, intelligent, powerful yet discreet and low-noise actuator system for elegant pedestal recliners on the market.

This required all the information we could get from customers – their designers, R&D-engineers, purchasers. The people assembling the recliners, the distributors and retailers not forgetting and, ultimately, the consumers. The result: A new flagship system - modular and flexible system from one supplier.



## Speed up your R&D process

Avoid the waiting and experiment: all you want with the hands-on configurator and modular products.

Configure the LA10 actuators yourself to match your setup and save yourself some time in development.



## Reduce inventory complexity

We make it easy to order modular products that allow you to build many different recliners with the same actuators.

The best part? You get total system solutions – all from one supplier.



## Surprise with the finest details

Customers buy with their eyes. That is why we have focused on creating a simple and intuitive control as well as discreet charging points.

We also made sure that the controls can be customised to reflect your brand.



## Sell with confidence

Sell a chair with a LINAK system with confidence, knowing that we have done everything we can to both avoid quality cases and make the user-experience as pleasant as possible.









# Serial connection, fewer cables

Creating comfort for consumers requires a great deal of Designing an actuator that allows you to adjust a pedestal recliner does have its challenges! We have focused on how the system is set up and considered where traditional systems typically have their weak spots – and then done our best to counter-balance, improve or completely eliminated these.

Due to our highly automated production, actuators deviate less than 1 millimetre from standard specifications. This means that we ensure consistency when it comes to implementing the actuator LA10 in production. You get exactly what you expect.

The actuators LA10 are designed to be serially connected. This eliminates multiple cables and the traditional control box from the system.

Simply plug the Bluetooth® dongle into either of the actuators to create a wireless connection to the control. This significant reduction of cables helps not only to eliminate the no. 1 root cause of quality issues - broken cables - but it also makes the LA10 system for recliners easy and fast to assemble.

As a result, you can now have a unique electric set-up, consisting of two or more LA10 single actuators, a power cable, a charging point, a Bluetooth® dongle, and a wireless control. But, the most brilliant thing about it is found in the finer details. The system is modular, which means that each actuator placed in a series knows both where it is and how to work. You can even connect the power cable to either end of a series. In other words, the LA10 is a truly ready-to-use actuator.



## LA10 Single actuator

- Modular system
- Intelligent actuator
- Max lifting capacity: 3500 N.
- Stroke length: 25 mm–300 mm
- Speed: up to 16 mm/s (for 6mm spindle pitch)
- Soft start/stop



## Bluetooth® dongle

- Connects the control to the actuator system
- via Bluetooth® technology.
- Small and compact



## CP Charging point

- Connects the chair to a power outlet
- Optional safety release cable to ensure minimal damage
- Available in other versions:
  - Jack plug
  - Magnetic plug



## BA002 Battery Box

- Deep sleep mode
- Up to 100 cycles/charge
- Designed to mitigate consequences in the unlikely case of cell failure
- Long life
- 3 year warranty



## SMPS001/002

- External power supply
- 230 V and 120 V versions
- 0.1 W standby power



## SMPS006

- External power supply
- Universal unit
- 0.1 W standby power



## SMPS007

- External power supply
- 120 V version
- 0.1 W standby power







# Hand controls for recliners



## BP11 Control unit

- For 1-motor solutions
- Magnetic mounting
- Exchangeable batteries
- Wireless connection



## BP12 Control unit

- For 2-motor solutions
- Magnetic mounting
- Exchangeable batteries
- Wireless connection



## BP13 Control unit

- For 3-motor solutions
- Home button
- Magnetic mounting
- Exchangeable batteries
- Wireless connection



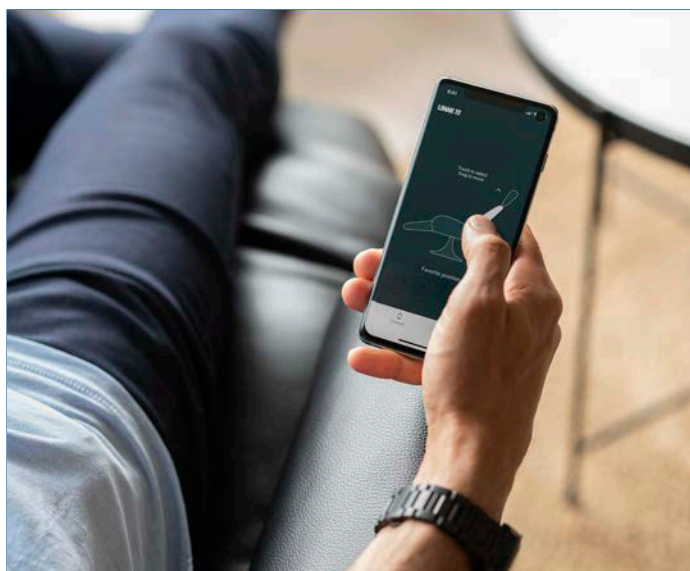
## BP10 Bracket

- Minimalistic elegant design
- Fits BP11, BP12 and BP13
- Integrated metal plate for magnetic mounting



## Customise controls

You can customise the controls to blend seamlessly with your design. The hand control units can be delivered in any colour and you can even choose to add your own logo to the battery lid.



## App out. Back down. Legs up.

With the My Recliner™ app you can offer your customers even more options for control. Even make your own app by simply customising it with your colours, logo and links to your webpage.

You can also define which functionalities should be available as basic functionalities.

- Adjust LINAK® recliner systems
- Possible premium features
- Available for iOS and Android



For further information about the **HOMELINE®** product programme:  
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Built by market leading experts, using state-of-the-art technologies and perfected production methods, you can expect the same quality worldwide.



Innovation is in our core. We take the lead and have the courage to make it real.



We are responsible in what we do – towards customers, employees and the environment. Creating trust is a natural part of who we are.



From global presence to local understanding. We believe in world-wide support and being close to our customers.