

HOMELINE®

Product overview



We Improve Your Life

Linear actuator movement might be the simplest movement in the world. And yet, perfecting something simple is one of the hardest challenges.

Since LINAK® founder Bent Jensen came up with the idea for the first electric actuator in order to help a friend in a wheelchair, every engineer and specialist employed by LINAK has aimed to solve real-life challenges for real people.

To this day, our motto; 'We Improve Your Life' is reflected in everything we do. Whether we engage in product development, operation or implementation of technology, we always look for ways to make it easier for our customers to enter into in collaborations and partnerships with us and to ultimately improve the lives and working conditions of end users.

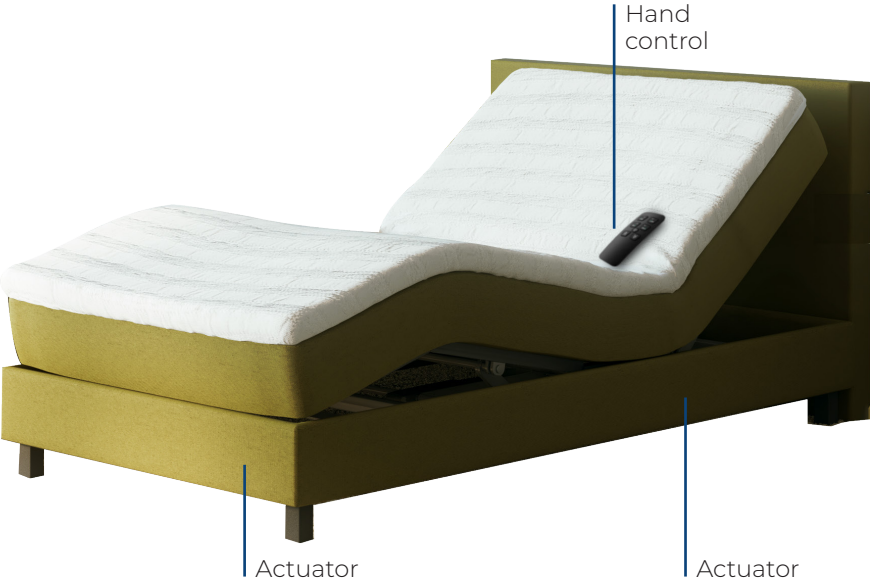
Our solutions move people – their work and their lives.
We Improve Your Life!

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.

Furthermore, the comfort furniture hand controls, are highly adaptable, allowing for customisation. This means that designers can make certain that the hand control matches their brand or furniture design.



More info about comfort 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. load: up to 5,500 N
- Bluetooth® communication
- Integrated Under Bed Light lowering
- Mains cable strain relief
- Soft start/stop

TWINDRIVE TD4 Advanced

- Max. load: up to 5,500 N
- Bluetooth® communication
- Integrated Under Bed Light lowering
- 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. load: up to 7,000 N
- Bluetooth® communication
- Integrated Under Bed Light lowering
- Mechanical emergency lowering
- Mains cable strain relief
- Soft start/stop

TWINDRIVE TD5 Advanced

- Max. load: up to 7,000 N
- Bluetooth® communication
- Integrated Under Bed Light lowering
- 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. load: 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.

Bluetooth®



LA18 IC Advanced System

- Max. load: 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.

Bluetooth®





Hand control HC40

We transformed the responses of a survey among comfort furniture consumers into a new generation of hand controls. We ended up with a family of four.



Design preferences differ around the world. This gave us two HC40 variants: HC40 FRAME™ and HC40 TWIST™.

All four versions can be customised to meet the needs of brands and manufacturers.

A standard version was created for 2-actuator beds that adjust the backrest and leg support. For users wanting more features, an Advanced version was also designed.



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

Your brand. Your choice.

Customise any of our
comfort furniture
hand controls.

See page 26-27 for
more details.



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



BP20

- Control up to 2 channels
- Integrated control panel
- Exchangeable batteries
- Wireless connection



Apps

Use iOS and Android based devices to adjust a bed equipped with a LINAK comfort furniture actuator.



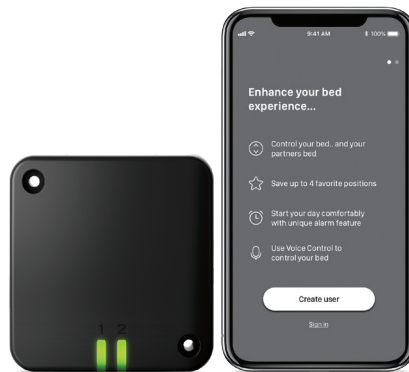
Accessories for beds

			
<p>MD1 Massage motor</p> <ul style="list-style-type: none"> • External massage motors • For Advanced systems 	<p>Battery drawer</p> <ul style="list-style-type: none"> • Electrical emergency lowering • Compatible with TD4 and TD5 Advanced 	<p>LED light rail</p> <ul style="list-style-type: none"> • Powerful Under Bed Light • Connect up to three rails in a series • Slim and compact 	<p>SMPS001/002</p> <ul style="list-style-type: none"> • External power supply • 230 V and 120 V versions • 0.1 W standby power
			
<p>SMPS006</p> <ul style="list-style-type: none"> • External power supply • Universal unit • 0.1 W standby power 	<p>SMPS007</p> <ul style="list-style-type: none"> • External power supply • 120 V version • 0.1 W standby power 	<p>BA001 Battery box</p> <ul style="list-style-type: none"> • 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 	<p>CBD6DC Control box</p> <ul style="list-style-type: none"> • 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.



Voice Control

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

WiFi2LIN module

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



works with
Ok Google

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!

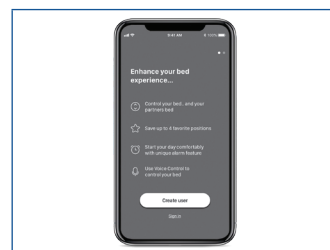
Example of complete voice control solution



**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 consist 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.

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Bed Control™ app

Stay tuned for upcoming news about our app for adjustable comfort beds.

In the meantime you can download the updated version.





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

Accelerate your R&D process with our hands-on configurator and modular products. Configure the LA10 actuators to fit your setup and save time in development.



Reduce inventory complexity

Simplify inventory with our modular products. You can create various recliners using the same actuators.

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



Impress with the finest details

Customers are attracted to aesthetics. We designed a simple, intuitive control and discreet charging points.

Naturally, all of our recliner controls can be customised to represent your brand.



Sell with confidence

When selling a chair with a LINAK system, you can trust that we have worked hard to ensure high quality and a great user experience. You can rely on us to have taken all the necessary steps to avoid any issues.





Serial connection, fewer cables

Creating comfort for consumers involves challenges, especially when designing an actuator system for adjustable pedestal recliners. As a result, we have focused on minimising traditional system weaknesses.

We have achieved high precision in production, with actuators deviating less than 1 millimeter from specifications. This ensures consistency when using the LA10 actuator in furniture. Furthermore, the LA10 actuators are designed for serial connection, reducing the need for multiple cables and a traditional control box. This modular design allows each actuator in the series to communicate its position and function, and you can connect the power cable to either end. To complete the

setup, simply plug in the Bluetooth® dongle to create a wireless connection to the hand control. This reduces cable-related quality issues and simplifies assembly.

In this way, your setup can consist of two or more LA10 actuators, a power cable, a charging point, a Bluetooth® dongle, and wireless control.



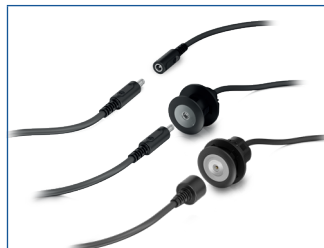
LA10 Single actuator

- 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

Your brand. Your choice.

Customise any of our
comfort furniture
hand controls.

See page 26-27 for
more details.



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



- BP20 Control unit**
- For 2-motor solutions
 - Integrated control panel
 - Exchangeable batteries
 - Wireless connection

Apps
 Use iOS and Android based devices to adjust a recliner with a LINAK comfort furniture actuator.

Customisation of My Recliner™ app



What you get with customisation

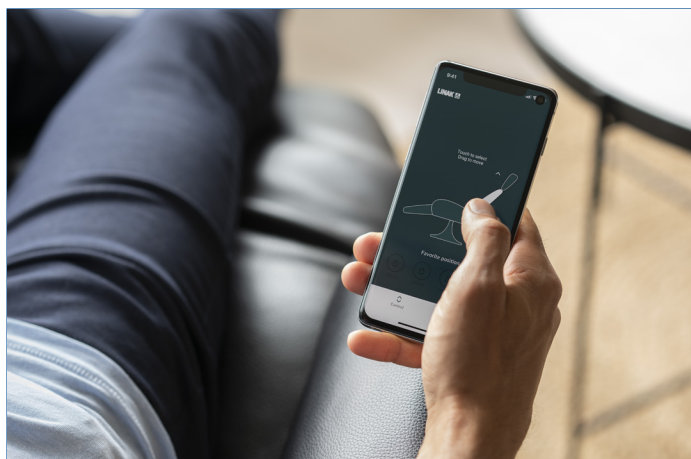
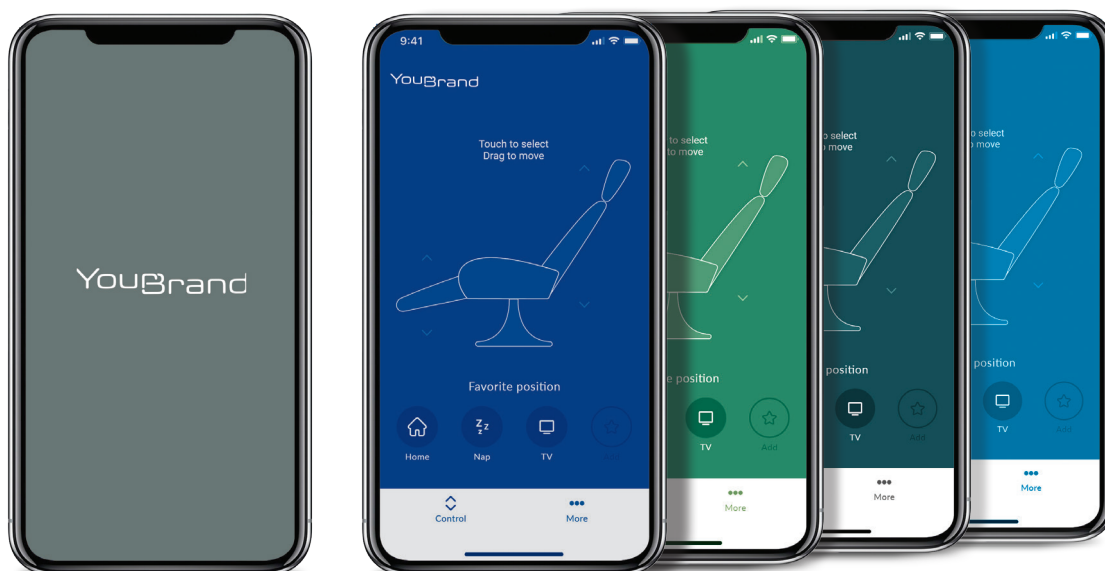
- A customised version of My Recliner™ app
- Visibility in the app stores with your own app
- Brand awareness with the end-user
- A fully tested app – ensuring compatibility with LINAK® products
- A continuously updated app (updates provided by LINAK)
- The LINAK® recliner system can be locked so it only works with the customised My Recliner™ app made for your application

Connect your brand to comfort

Customising My Recliner™ app is for those who wish to offer a digital control option that maintains brand awareness with their customers. Most importantly, it has to be as easy as possible.

In three simple steps you can offer a digital control option with high brand visibility.

- Choose your logo
- Change the background colour
- Insert links to your own homepage
- Change font color



Functionality that matters

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

Your brand. Your choice.

Make sure your future hand control matches your brand and furniture design. We have separated your options in Standard customisation and Advanced customisation options.

Standard customisation

You decide how to modify certain elements of existing hand controls and control panels to align with the design of your bed or recliner. You can choose to change:



Colour

Choose the colour that complement your furniture best for the control in question*.



Button colour and graphics

Change the button colour and graphics - either by using our existing icon library or making new icons.



Logo

Choose the logo or slogan you wish to display. The specific placement is flexible.



Display graphics

For control options with display, you can change the graphics in the display. The way to adjust the furniture is shown as either text or icons.

* For certain controls, it is only possible to define the colour of specific exterior parts. Contact your local LINAK representative for specifics.



Advanced customisation

For advanced customisation you partner with us from start to finish. We collaborate to find the best option for you.



Some of the things we define are:

- Shape
- Functionality
- Colour
- Graphics
- Buttons
- Potentially display graphics
- Etc.

Most of these designs are only examples and does not reflect current hand control designs that we provide as a standard product. Please, talk to a local representative who can help you shape your ideas.



For further information about the **HOMELINE®** product programme:
LINAK.COM/HOMELINE



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Find answers to common questions about your **HOMELINE** motor system.
LINAK.COM/TECH-SUPPORT

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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.