

LINX™ DO

Driving Simplicity



dynamic™ 

LiNX *[links]*

noun, linx for 1. a **relationship** or **CONNECTION** between people, or organisations that **enables communication**.
“a key connection from clients to their world, providers to their clients, power wheelchair manufacturers to their providers and Dynamic Controls with them all.”

2. An element that **brings together** previously disjoint concepts. “a **SEAMLESS** system.”



What has been launched to date?

LiNX LE was launched in 2013, providing an entry level, simple sit and drive solution, ideally suited to light weight indoor use. It introduced to the market some of the early benefits of the new LiNX technology platform such as a better drive experience and state-of-the-art programming.

What is LiNX?

LiNX is Dynamic Controls' next generation wheelchair control system spanning the simple sit and drive indoor market through to the complex rehab market.

The LiNX vision is a new technology platform that harnesses wireless connectivity, data, and new motor control technology. It integrates both Shark and DX/ DX2 technology platforms into one unified platform. This new platform is driven by insights collected throughout the value chain, from the wheelchair manufacturer to the client. The result is a single, simple and expandable system for all segments of the wheelchair market.

What are the benefits of the LiNX platform?

The benefits of the LiNX platform are significant; they include:

A seamless and expandable system – you only need one platform across your whole market, simplifying your business by minimising stock variants, and reducing training and support costs.

Modular components – modules and functions can be mixed and matched to suit market needs and opportunities.

Next generation technology – state-of-the-art technology, which is easily updatable and expandable as technology develops.

Revolutionary approach to programming – diagnose and update wheelchair systems wirelessly in real-time, with one of the LiNX Access tools. Configure wheelchairs quickly and more intuitively with a graphical programming interface.

What is LiNX Drive Only?

LiNX Drive Only expands on the LiNX LE system. LiNX Drive Only is packed with new features and introduces a range of power modules, making them ideal for everyday indoor and outdoor use, and also suitable for bariatric needs. With a focus on simplicity and ease of use, the power modules and remote modules can be mixed and matched to best suit your wheelchair and users' needs.

How will LiNX Drive Only help you sell more power wheelchairs?

- Delight your customers with a wheelchair that is simple to use, has a superior ride experience and a quality finish
- Make life simpler by selecting a program from a store of chair configurations
- Impress your therapists, dealers and providers by programming on-the-fly using wireless programming
- Put a smile on your customer's face with a choice of remote module styles
- Ease maintenance and servicing with advanced diagnostic tools, which use a real-time clock, to remedy faults and record statistics

In addition:

- Lean on Dynamic Controls' reputation for reliability and knowledge that comes from more than 30 years' experience in the mobility market
- Dynamic Controls' in-house expertise can help you optimize the LiNX system for your wheelchair according to the needs of your customers
- Make use of our user insights to help explain the features and benefits that the LiNX system brings to your wheelchair
- Get tailored, specialised, technical support and training for your distribution network
- Gain confidence from a product that complies with industry standards.

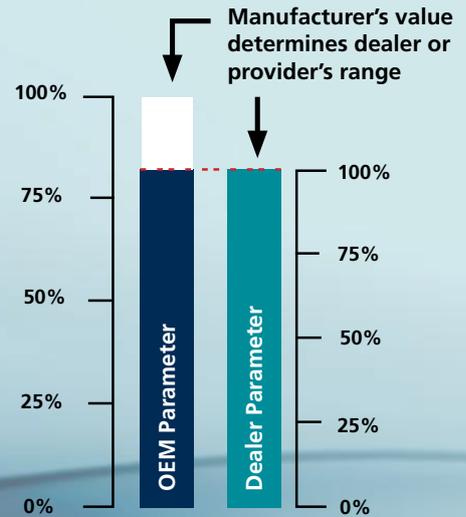


What's important to you?

Do you want more focus on safety?

Safety Envelopes

We've placed safety envelopes around critical parameters (such as speeds, accelerations and motor resistance) by separating the drive setting parameters into manufacturer-only parameters and dealer or provider parameters. The manufacturer-only parameters are used to set the effective range that the dealer or provider can use.



Anti-rollaway

The anti-rollaway feature limits the wheelchair to a safe speed if rolling away on a slope when:

- the controller is powered down, and
- the park brake has been released manually.

If the wheelchair moves at a higher speed than Anti-Rollaway Max Speed, the controller will automatically power-up (even if the battery is disconnected) and then slow the wheelchair down, using dynamic braking.



LiNX LE Power Module
PM40 or PM50



LiNX 100 Power Module
PM60, PM75 or PM120

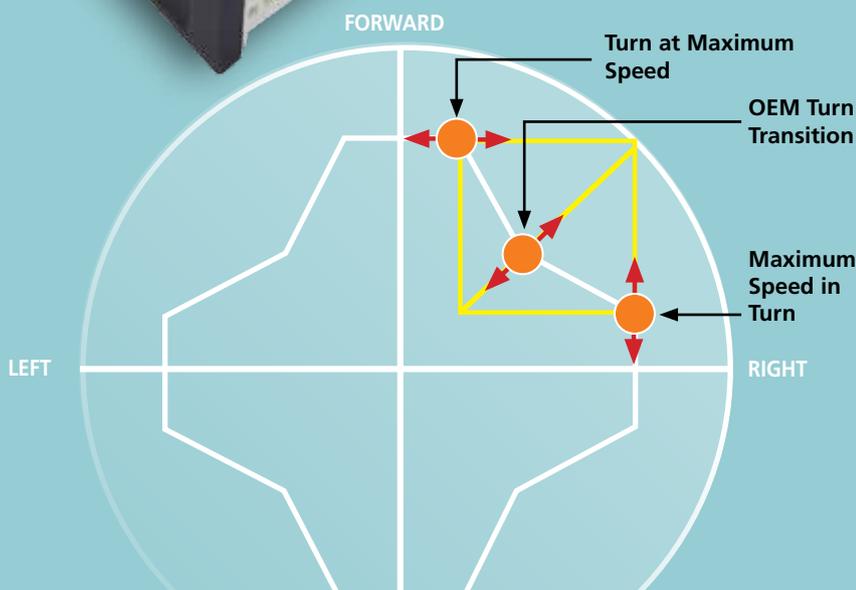
Improved Stability

New and improved algorithms provide greater stability – an essential aspect for front wheel drive chairs. An intuitive graphical interface allows the manufacturer to set the wheelchair's stability with three parameters:

- Turn at Max Speed
- Max Speed in Turn
- OEM Turn Transition.

The dealer or provider can further tune the wheelchair stability, for comfort and confidence, with a single parameter:

- Turn Transition.



Do you want selectable drive settings for different environments?

A drive function defines a wheelchair's driving characteristics. The LiNX 100 series has two drive functions available that can be selected by the user via an external switch. This gives a user the flexibility to adjust the driving behaviour of the wheelchair to suit their needs. For example, the user may want to switch drive functions:

- when changing environments such as when travelling indoors to outdoors, or from polished floor to carpet, or
- to match their ability (e.g. learner, accomplished), or
- to alter their overall speed requirements (e.g. fast drive, slow drive).

Drive Function 1 - Drive settings	
Forward	Stability
Reverse	Performance
Turn	

Drive Function 2 - Drive settings	
Forward	Stability
Reverse	Performance
Turn	

Do you want to reduce your service costs?

Provide your field service technicians with the best possible information.

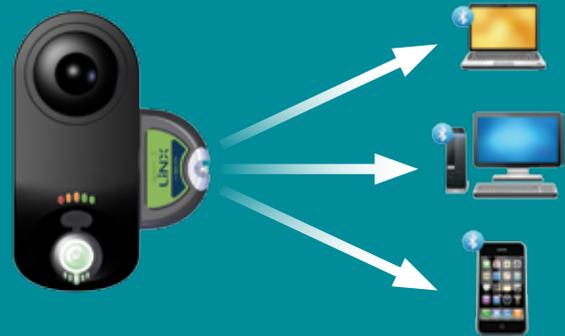
With the LiNX diagnostic features, on-site diagnostics and preventative maintenance in the field is easier. It offers live diagnostics, time-stamped events and fault logs, and a new statistics recorder. You can now wirelessly monitor wheelchair characteristics, such as motor currents and voltages in real-time. Faults are reported in the fault log with suggested remedies.



The statistics recorder provides a comprehensive array of data including battery usage and drive behaviour.

Do you want to reduce your programming time and get better results for your clients?

Wireless, state-of-the-art graphical programming saves you time! Programming tools offer a Live Update mode that allows certain parameters to be programmed and take effect immediately, while the system is active, including while driving.



Instead of editing values via the keyboard, many frequently used parameters can also be edited graphically. This makes wheelchair configuration quick and easy. Input errors are minimized with no small or awkward keyboard. Changes can be made graphically to speed, acceleration and stability settings. Furthermore, parameters are grouped, allowing for a better overview of how one parameter change can affect another parameter.



LiNX Access iOS programming and diagnostic tool. iOS devices only.



LiNX Access PC programming and diagnostic tool. PC/Laptop devices only.



Do you want a cost effective attendant remote?

The LiNX 100 series power modules provide two communication bus connectors, allowing two remote modules to be connected at the same time. This is useful, for example, when a remote module is required for both an occupant and an attendant.



Do you want your wheelchairs to drive well on all surfaces and in all conditions?

Clients will appreciate the patented Dynamic Load Compensation technology that ensures an easier and more enjoyable ride experience:

- Greater control going through doorways or approaching desks due to predictable low speed control
- The ability to drive with confidence on any surface, camber or incline with improved hold on slopes
- Reduces the effect of castor lock.

Do you want a choice of remote module style?

Two ergonomically designed remote modules to choose from to address user preference.



LiNX Low Profile Remote
DLX-REM050-A

LiNX Traditional Remote
DLX-REM060-A

Do you want an accurate battery gauge?

The new enhanced battery gauge offers an improved, more accurate battery state of charge reading. It is great for understanding state of charge conditions under both load and no-load conditions, or when charging the batteries, with optimized averaging, giving a smoother, less erratic gauge response.

Do you want preconfigured set ups in the field?

Configure different wheelchair set ups, storing up to eight unique wheelchair configurations in a single power module with the new wheelchair configurations feature. This is useful, for example, when the same power module is used over a range of wheelchair configurations or models. The dealer or provider can reset the active wheelchair configuration to the one set by the manufacturer, or if preferred, select a different chair configuration from those available. Only available on LiNX 100 power modules.



LiNX is driven by you – what have we learnt?

Wheelchair designers or manufacturers

"I need programming to be easier"

- A range of familiar and mainstream programming tools gives flexibility and efficiency to key personnel
- Store up to eight unique wheelchair configurations on a single power module. This is useful when the same power module is used over a range of wheelchair models
- Graphically edit parameters making wheelchair configuration quick and easy. Errors are minimised with no small or awkward keyboard
- Program limits can be set for critical parameters to ensure the wheelchair is always safe in the field.



Dealers or providers

"I have little time to deal with each client"

- Wirelessly monitor wheelchair performance and diagnose errors with the programming and diagnostic tools, making things more efficient
- Make everyone a technician with the live diagnostics and statistics recorder
- Reset to known or proven wheelchair configurations as set by the manufacturer.

Therapists or prescribers

"I want the most effective solution for my client's needs."

- Live programming makes it easy to customise for specific needs
- Multiple drive functions give a client the flexibility to adjust the driving behaviour to suit their needs
- Choice of remote modules to address a client's preferences.



Clients

"My worst fear is that I get stuck or my wheelchair tips over."

- Better diagnostic information means a more reliable wheelchair
- A more accurate battery state of charge reading
- A consistent client interface and design.

Product Selection Guide

Step 1: Decide on the remote module style	Step 2: Choose Power Module to match wheelchair size, user weight and motors	Step 3: Choose the bus cable length to match wheelchair	System Part Number
Remote Type	Power Module	Interconnect Cable Length	Part Number
LOW PROFILE Joystick in front	40A	1 m	DLX050-40-10
		1.5 m	DLX050-40-15
	50A	1 m	DLX050-50-10
		1.5 m	DLX050-50-15
	60A	1 m	DLX050-60-10
		1.5 m	DLX050-60-15
	75A	1 m	DLX050-75-10
		1.5 m	DLX050-75-15
	120A	1 m	DLX050-120-10
		1.5 m	DLX050-120-15
TRADITIONAL Joystick oriented towards the user	40A	1 m	DLX060-40-10
		1.5 m	DLX060-40-15
	50A	1 m	DLX060-50-10
		1.5 m	DLX060-50-15
	60A	1 m	DLX060-60-10
		1.5 m	DLX060-60-15
	75A	1 m	DLX060-75-10
		1.5 m	DLX060-75-15
	120A	1 m	DLX060-120-10
		1.5 m	DLX060-120-15



LiNX Low Profile Remote
Order Code:
DLX-REM050-A



LiNX Traditional Remote
Order Code:
DLX-REM060-A



LiNX 100 Power Module
Order Codes:
DLX-PM60-A
DLX-PM75-A
DLX-PM120-A



LiNX LE Power Module
Order Codes:
DLX-PM50-A
DLX-PM40-A

This document is to be read in conjunction with the relevant Installation Manual/s. All readers and mobility providers are obliged to adopt recommendations in the Installation Manual/s, and are responsible for ensuring end-user safety needs are always met.

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Dynamic Controls is the world's leading manufacturer of electronic controls for power wheelchairs and scooters.

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