

LINX™

PRODUCT
OVERVIEW



POWERFUL
+ SMART =
EFFECTIVE



dynamic™
AN **Allied Motion** COMPANY

Purpose

LiNX is a technologically advanced seamless system with revolutionary wireless programming tools designed to perform on any power wheelchair application. From simple drive-only systems to highly configurable and customisable complex rehab systems, LiNX has the flexibility to meet your product portfolio needs with one system. This product overview is created to help you understand and visualise the different modules and their primary feature sets.

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FEATURE ICONS

Product has Bluetooth® connectivity

LiNX LE Series Power Modules

DLX-PM40-A, DLX-PM50-A

- 40 and 50 A
- Programmable boost current
- 1 x Bus socket
- Dynamic Load Compensation (the same table based Load Compensation value applied to both motors)
- Works with REM50, 60 & 110 remote modules (up to MR3)



LiNX 100 Series Power Modules

DLX-PM60-C, DLX-PM75-C, DLX-PM120-C

Includes all DLX-PM40 & 50 features plus:

- 60 A, 75 A and 120 A
- 2 x Bus sockets
- Adaptive Load Compensation when used with REM110 or higher level remote (learns actual value separately for L and R motors)
- Real-time clock
- 2 x general purpose control inputs* (CI) for inhibit, function change and drive slow down
- 1 x general purpose control input/output
- Gyro module compatible
- On-board charger inputs
- Statistics recorder

LiNX 200 Series Power Modules

DLX-PM60AL-C, DLX-PM75AL-C, DLX-PM120AL-C

Includes all DLX-PM40 & 50 features plus:

- 60, 75 & 120 A
- 2 x actuator outputs (independent of each other and motor drive)
- Lighting outputs (24V /12V) (position lights and indicators)
- 2 x Bus sockets
- Adaptive Load Compensation when used with REM110 or higher level remote (learns actual value separately for L and R motors)
- Real-time clock
- 3 x general purpose control inputs* (CI) for inhibit, function change and drive slow down
- 1 x general purpose control input/output
- Gyro module compatible
- On-board charger inputs
- Statistics recorder



* Control inputs include support for slow down/lock out and max angle signals as well as switch inputs.



LiNX Low Profile Remote Module

DLX-REM050-A

- On/off
- Speed dial
- Horn
- Battery gauge
- Hand rest area
- Dynamic Load Compensation

LiNX Traditional Remote Module

DLX-REM060-A

- On/off
- Speed dial
- Horn
- Battery gauge
- Dynamic Load Compensation



LiNX Enhanced Traditional Remote Module

DLX-REM110-A

- On/off
- Speed dial
- Horn
- Battery gauge
- Adaptive Load Compensation



LiNX Remote Module - Seating

DLX-REM210-A

- On/off
- Speed dial
- Horn
- Battery gauge
- LED icon-based menu
- Two rocker switches for access to 3 x drives and up to 2 actuators
- Adaptive Load Compensation
- No secondary inputs allowed
- Compatible with DLX-ACU200-A

DLX-REM211-A

- On/off
- Speed dial
- Horn
- Battery gauge
- LED icon-based menu
- Two rocker switches for access to 3 x drive functions and up to 6 actuators
- Adaptive Load Compensation
- Fully expandable with other LiNX modules (excludes DLX-IN500-A)



LiNX Remote Module - Lights & Seating

DLX-REM215-A

- On/off
- Speed dial
- Horn
- Battery gauge
- LED icon-based menu
- Two rocker switches for access to 3 x drives and up to 2 actuators
- Adaptive Load Compensation
- Lighting control (position lights and indicators)
- No secondary inputs allowed
- Compatible with DLX-ACU200-A





DLX-REM216-A

- On/off
- Speed dial
- Horn
- Battery gauge
- LED icon-based menu
- Two rocker switches for access to 3 x drive functions and up to 6 actuators
- Adaptive Load Compensation
- Lighting control (position lights and indicators)
- Fully expandable with other LiNX modules (excludes DLX-IN500-A)

LiNX Touchscreen Remote

DLX-REM400-B

- Highly configurable touch interface with swipe/tap and left/right hand interaction modes
- Very flexible user menu (mix'n'match functions and profiles)
- Adjustable brightness 3.5" colour LCD screen
- 2 x multi-purpose buttons
- 2 x 3.5mm stereo jack sockets for switches and on/off
- Field upgradeable toggle switches (DLX-SW400TGL-A)
- Audible cues for speciality control use
- List and grid menu navigation and scanning
- Bluetooth connectivity functions
- High quality CNC alloy construction
- Speedo and Odometer



LiNX Speciality Display

DLX-REM500-A

- Designed specifically for speciality control use
- Pair with any LiNX joystick remote, or 3rd party speciality inputs
- Highly configurable touch interface with swipe/tap & left/right hand interaction modes
- Adjustable brightness 3.5" colour LCD screen
- 2 x multi-purpose buttons
- 2 x 3.5mm stereo jack sockets for switches and on/off
- Audible cues for speciality control use
- List and grid menu navigation and scanning
- Bluetooth connectivity functions
- High quality CNC alloy construction
- Speedo and Odometer





LiNX Attendant Dual Remote

DLX-ACU200-A

- Compact dual control remote for attendant or carer
- Can be added to any LiNX system (excludes LE)
- Flexible who's-in-charge options
- On/off and function buttons to access drive and seating
- 10 x LED display

LiNX Compact Remote

DLX-CR400-A and DLX-CR400LF-A

- Compact remote for users with small range of movement or who want centre-mounted remote
- Pairs with either the REM400 or REM500
- On/off and function buttons for full access to drive, seating and connectivity functions
- Low-force joystick option has a joystick deflection force of <112 grams (CR400LF)
- 10 x LED display

NOTE: Standard LiNX remotes have joystick deflection forces of <163 grams.





LiNX 2 Channel Actuator Module

DLX-ACT200-A

- On-board angle sensor
- Status LED
- Refined actuator control
- Per channel control of actuator current (no shared H-bridges)
- Connectors:
 - 2 x bus ports
 - 2 x actuator ports
 - 4 x control inputs* (CI) pins and 2 ground pins

* Control inputs include support for slow down/lock out and max angle signals as well as switch inputs.

LiNX 4 Channel Actuator Module

DLX-ACT400-A

- On-board angle sensor
- Status LED
- Refined actuator control
- Per channel control of actuator current (no shared H-bridges)
- Connectors:
 - 2 x bus ports
 - 4 x actuator ports
 - 4 x control inputs* (CI) pins and 2 ground pins



LiNX Angle Sensor

DLX-TILT200-A / DLX-TILT201-A / DLX-TILT202-A

- Wired angle sensor for seat position and stability control
- Small dimensions for easy mounting on seat components
- Set multiple angles to trigger different actions

NOTE: TILT200 variant is unterminated, TILT201 has 6 way Mini Fit Jr connector, TILT202 has 2 way Mini Fit Jr connector



LiNX 10-Way Switch Module

DLX-SW10T-A, DLX-SW10-A

- Direct access for 5-10 functions
- Keypad able to be labelled by the OEM
- Wired unit (DLX-SW10T-A is terminated, DLX-SW10-A is unterminated)

LiNX Gyro Module

DLX-GYR100-A

DLX-GYR101-A 310mm bus cable

- Can be added to any LiNX power module (except LiNX LE Series Power Modules)
- Enhanced tracking and drive stability
- Improved straight line driving on cambers and over obstacles such as thick carpet



LiNX Input Module

DLX-IN200-A

- Adds external on/off and non-drive switch functionality to 100 and 200 level systems
- DB9 with 6 switch inputs
- 3.5 mm stereo jack socket
- Status LED



LiNX Drive Input Module

DLX-IN500-A

- Adds full functionality for speciality driving inputs to 400 and 500 level systems
- Built-in Sip'n'Puff input
- DB9 supports proportional and switched input devices
- 12 V 200 mA power supply
- 3.5 mm stereo jack supports powered on/off switch
- Status LED

LiNX Output Module

DLX-OUT500-A

- For connecting LiNX system outputs to 3rd party systems or devices
- DB9 with 8 switched outputs
- 3.5 mm stereo jack with 2 switched outputs
- 35 V 100 mA power supply
- Status LED



LiNX USB Charger

DLX-USB02-A

- Compact BUS module with 2 x USB charging ports
- Each port supplies 1 amp

NOTE: Available with an optional impact protection shield (DLX-USB02+SH-A)





LiNX Third Party Interface

DLX-TPI500-A

- PCB interface to create custom control products that plug directly into the LiNX BUS
- Create proportional or switched drive inputs, or an attendant control unit
- 4 pin BUS connector and multiple connectors for your custom product
- 24 V, 5 V and 3.3 V power supplies (up to 100 mA)

LiNX Access Programming & Diagnostic Tools

Wireless programming and diagnostic tools for PC and iOS devices are available, featuring live programming, time & date event logs and usage statistics, as well as highly configurable control inputs.

- LiNX Access PC (for Windows-based devices)
- LiNX Access iOS (for Apple devices)
- LiNX Access Keys (DLX-HKEY01-A for Distributors, and DLX-HKEY02-A for Manufacturers)



DESCRIPTION	PRODUCT CODE
LiNX 0.3 meter bus cable	GLM-BUS030-A
LiNX 0.5 meter bus cable	GLM-BUS050-A
LiNX 0.7 meter bus cable	GLM-BUS070-A
LiNX 1.0 meter bus cable	GLM-BUS100-A
LiNX 1.2 meter bus cable	GLM-BUS120-A
LiNX 1.5 meter bus cable	GLM-BUS150-A
LiNX 1.7 meter bus cable	GLM-BUS170-A
LiNX 2.0 meter bus cable	GLM-BUS200-A
LiNX 2.5 meter bus cable	GLM-BUS250-A
LiNX 4-way bus connector	GLM-CON4W-A
LiNX 0.9 meter extension cable	GLM-EXT090-A
LiNX 0.64 meter extension cable	GLM-EXT064-A
Panel-mount clip for extension cable	GLE80151

dynamic™

ACHIEVE AMAZING EVERY DAY.

Being free to move and express yourself is central to the human experience. Dynamic exists to ensure that all people living with restricted mobility enjoy the same freedoms. We partner with innovative customers to bring freedom of movement and expression through high quality medical mobility control and high-tech connectivity.

Open new worlds

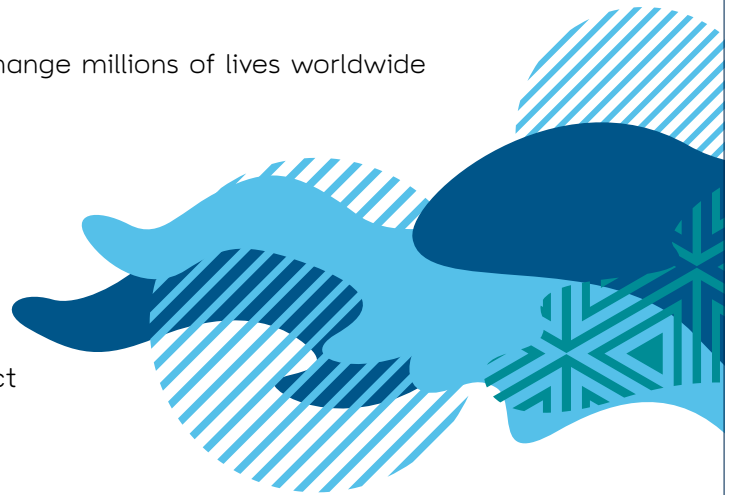
Mobility solutions powered by Dynamic change millions of lives worldwide every day.

Transform your business

Seamless product systems can transform your designs and your business.

Empower better outcomes

Clinicians, retailers and clients can interact more effectively to improve outcomes.



Talk to us about how
Dynamic can help
transform your business
and the lives of your
customers.

Dynamic is a company of Allied Motion Technology who jointly develop, manufacture and sell products for the motion control market. These products include brushed and brushless DC motors, brushless servo and torque motors, coreless DC motors, integrated brushless motor drives, gear motors, gearboxes, modular digital servo drives, motion controllers, incremental and absolute optical encoders and related motion control products.

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