

THE NEXT GENERATION OF PROGRAMMING



Smart Technology: Redefining Mobility

LINX®





Smart
Technology:
Redefining
Mobility

About Invacare LiNX

LiNX, our insight inspired control system, has advanced technology to provide a superb driving experience for users and allows professionals to configure and tailor powerchairs quickly and more intuitively thanks to its innovative programming interface.



What makes the
LiNX control
system so special?



**Access to
configure.**
diagnose and
update the
control system



Quick & easy
to programme
its intuitive
graphical
interface



Wireless
programming,
no cables
needed



**Control
features**
can be set
specifically to each
individual user

Think all powerchairs are programmed the same?

Think again

- ▶ Professionals now have options when it comes to programming Invacare LiNX powerchairs:

Laptop

for those preferring portable devices with a larger screen

PC

for those working in workshop environments

iOS device

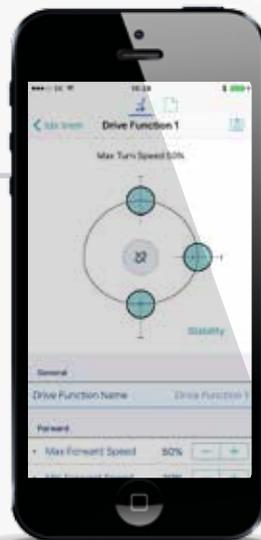
easy to carry plus it's now no longer a dedicated handheld programmer!

All these devices connect wirelessly, via Bluetooth, to the powerchair system through a LAK (LiNX Access Key) and allow real time adjustments to be made without the need to reboot the system for each change, speeding up the programming process.

So what are the programming capabilities available with LiNX?

Adjust the drive speeds, acceleration and deceleration

Live adjustments can be made to the forward, reverse and turn speeds in order to increase the driving efficiency and experience for the user. The system also allows the torque to be adjusted i.e. increase power without increasing speed, which is ideal on carpet.



Adjust a seating function speed



Seating function speeds can be adjusted live to suit user preference.

If they feel the actuator is moving too fast or too slow, the actuator speed can be increased/decreased as required.

Profile set-up



The standard Drive and Seating profiles are no longer fixed thanks to LiNX. Our new remotes (REM400 and REM500) allow professionals to mix and match the drive, seating and environmental controls, customising the display to suit an individual's lifestyle. Please see the following examples of what is possible:

Example 1

Profiles: Drive 1
 Drive 2
 Drive 3
Functions: Tilt
 Recline
 Elevate
 Riser
 LNX

Example 2

Profiles
Indoor: Low speed drive
 Maximum tilt
 Maximum recline
 Maximum legrest
Outdoor: Maximum speed drive
 Riser
 Tilt
Work: Medium speed drive
 Tilt
 Connectivity

Profiles can also be set by remote options i.e. head control, chin control, attendant control, plus the name of the profiles can be changed to something more memorable.

For scanning, this means that each profile can be set up to each user's preference. Profiles can be called 'my house', for example, and functions can be set to the users preference. Functions not required can be made invisible.

An example: *As you approach your house, you lower your speed. To access the door, you have to go down a ramp where you always tilt your chair back. Once you entered the house, you return your chair to its standard seated position and go check out your mails on your computer.*

The setup of the 'house' profile can be:

- Driving at lower speed - indoor slow
- Tilting to take the ramp - tilt
- Driving of the ramp - indoor slow
- Tilting back after the ramp - tilt
- Driving to the computer - indoor slow
- Accessing the computer - connectivity

You can add and repeat functions in the same profile. That means, using scanning, the order of the function sequence can be personalised and you don't need to go through all the seating or driving functions.

Adjust the speed parameter for each drive function

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The maximum speed the powerchair can reach can be tailored in each drive function. For example, one of the drive functions can be set-up for outdoor use and so will utilise the full speed available, while another drive function can be set-up for indoor use and so setting a lower maximum speed will enable the user to better control their powerchair around the house.

Adjust the joystick sensitivity

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The responsiveness of the joystick can be adjusted, for example, for users with a tremor. The tremor dampening parameter takes into consideration a percentage of tremor, depending on the user's needs, and can be adjusted to how far the joystick needs to be deflected before the wheelchair reacts.



Adjust the joystick neutral window

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For users who are not able to move the joystick in a direct and straight forward, reverse, left or right motion, the neutral window can be altered, so if the user pushes the joystick up with a slight right angle, the powerchair can be programmed to accept this as forward.

Adjust the joystick throw

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The joystick throw can be shortened to get full speed or activation without having to move the joystick completely up, down, left or right.

Adjust the joystick commands

NEW

The basic commands on a powerchair are forward, reverse, left and right but there are also other commands such as tilt, recline, lights, horns etc. to consider. The REM400 and REM500 allow the commands to be changed the way the user wants them, based on frequency or even by accessibility as directions can be eliminated if required.

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Proportional or non-proportional joystick

This feature gives the option to make a proportional joystick non-proportional like a switch. This will drive the powerchair without a progressive increment from an OFF and ON state - activating a switch will move the powerchair in a particular direction and releasing the switch will stop it.

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Latched driving

Latched driving modes allow the user to maintain a forward or reverse speed so that they can drive without having to continuously provide a drive demand. There are six latched driving modes: three step up modes, two step up/down modes and cruise control.

- In the step up/down modes, choose between 3 and 5 fixed speeds to accelerate, but the opposite command will also step down a speed
- In the step up mode, choose between 1, 3 and 5 fixed speeds to accelerate
- Cruise control will maintain speed when joystick is released.

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Expanding the system with other components

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If over time the controls on the powerchair need to be added to or changed, the system will allow this, including using third party controls.



Bulk mode changes

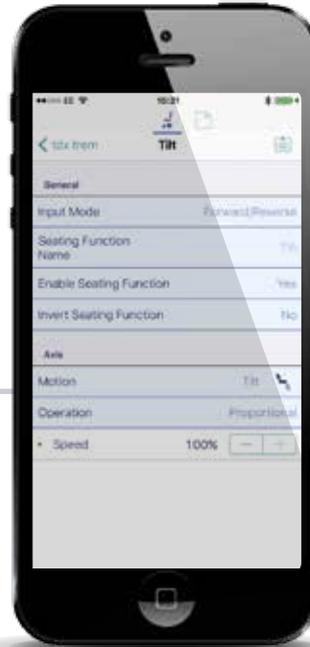
Bulk mode changes allow for pre-set programming, ideal if the professional knows exactly what parameters to change before the user arrives for an even quicker set-up. Drive and seating speeds, which can also be done live, can also be pre-set.

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Enabling/disabling the Gyro (G-trac[®]) in each drive function

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This is ideal when setting up a chair as the gyro can be enabled in one function but disabled in another to demonstrate the difference between the powerchair having and not having gyro. As standard, the gyro is enabled in all three drive functions, so to disable it, a bulk mode change will have to be performed.



Invert the seating function

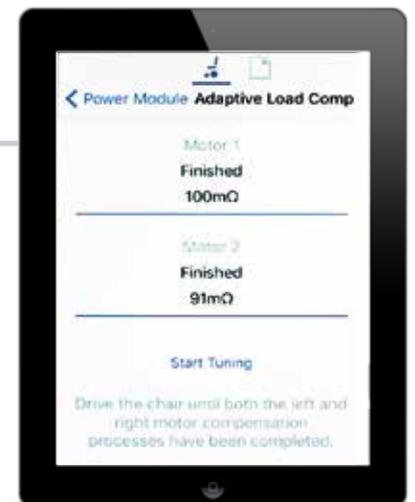
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This great feature gives the user the choice of how they operate a seating function. For example, with tilt, some users prefer to pull the joystick back towards them for the powerchair to start going into tilt, and when they push forward on the joystick, the chair returns to its normal position. Other users might prefer to push the joystick forward for the chair to start tilting back, and so on.

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Adaptive Load Compensation calibration

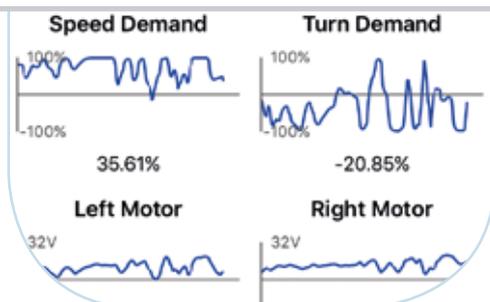
Calibrating the adaptive load compensation following a motor replacement maximises the drive performance of the powerchair.



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Reset the motor performance

This is useful for a new user or when new motors or power module have been put on the powerchair.



Useful statistics

LiNX gives valuable information about how the powerchair is being used, which can be read live from the powerchair or as part of a saved file. It includes:

- A battery usage section - holds information on total charge time and number of charge cycles
- Information on the cumulative time the powerchair has spent within each battery gauge
- Logged battery events, including high, low and deep discharge states with dates and times, thanks to the real-time clock built into the system
- A drive usage section showing maximum motor currents which provides information on the demand of each motor

All this information can be reset to allow new data to be captured in order to continually monitor the powerchair's usage. It can also be reset when the batteries are exchanged.

Read chair diagnostics live

The Invacare LiNX system can display real-time data from the control system (iOS device only). This diagnostic information can assist to quickly identify areas affecting the powerchair's performance such as:

- Joystick calibration
- Worn or damaged motors
- Motor resistance levels
- Battery statistics
- Speed dial calibration



System summary

The system summary section within LiNX allows quick access to key information with the ability to easily share it.

- Serial numbers
- Firmware versions
- Module information
- Product codes
- Hardware versions

MyLiNX App

This game changing app eliminates the worry of battery life and anxiety or things going wrong with the powerchair, allowing the user to get on with and enjoy life.



By connecting wirelessly to the Invacare powerchair, MyLiNX provides vital information and data regarding the chair's drive time, battery life and overall usage.

Also, when the user is out and about, and the powerchair has a fault, the app allows the user to alert their provider quickly and easily, giving them complete peace of mind.

Search and download the MyLiNX app for free at the Google Play Store or Apple App Store. It is compatible with all LiNX enabled Invacare powerchairs.

Still think all powerchairs are programmed the same? We thought not

To find out more about LiNX,
visit the Invacare LiNX website
www.invacarelinx.com

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