



ULTRALowmaxx
By Motion Concepts

Invacare® | **TDX® SP2 Ultra Low Maxx**

Ultimate control. Ultimate comfort.

LINX®



The *Invacare TDX SP2* is an **elite, high performance**, centre wheel drive power wheelchair equipped with the **advanced** Ultra Low Maxx seating system and **revolutionary** LiNX smart technology. Designed to be the **new benchmark** in the **complex rehab** arena, this powerchair is the **perfect mix** of functionality, customisation and style that **adapts** to the user's needs and desired lifestyle. Key features include:

- **Enhanced stability**
- **Intuitive driving experience**
- **LiNX Smart Technology**
- **Range of specialist controls**
- **Intelligent seating system**



Enhanced stability

The **TDX SP2** is tried, tested and tough. Offering **maximum stability and safety**, the **Stability Lock** function ensures all six wheels stay firmly on the ground on uneven terrain. The patented **SureStep®** suspension technology enables a **smooth ride** while negotiating challenging surfaces. With larger batteries for a **greater driving range**, the **TDX SP2** enables you to go further.

Intuitive driving experience

Invacare TDX SP2 users can say “Yes” to mobility and “No” to compromise. With an incredibly **tight turning radius**, thanks to its Centre Wheel Drive, this remarkable wheelbase provides **excellent manoeuvrability** and an **intuitive driving experience**.

LiNX Smart Technology: Redefining Mobility

Invacare LiNX is our **insight inspired** control system with **advanced technology** that provides a **superb driving experience** for users and allows professionals to **configure and tailor** powerchairs quickly and more intuitively.

The smart control system enables programming and maintenance updates to be made **wirelessly** and **in real time**, plus it has **straightforward access** to statistical and diagnostic information, giving complete visibility to professionals.



Touchscreen technology

The REM400 remote has an impressive **3.5” colour touchscreen** that requires **minimal force** to operate. Bringing **modern technology** to the powerchair market, this innovative **interactive remote** can be configured to a users' physical and cognitive ability.



Display only version

The REM500 is a **display only** version of the REM400, retaining the 3.5” interactive touch screen, and allows specialist controls to be used to operate the powerchair.



Built in Bluetooth

The REM400 remote allows users to be connected to **3 devices simultaneously** and has **mouse mover functionality**.

Range of specialist controls

To maximise control and independence, the REM400 and REM500 allow a selection of specialist controls and joysticks to be used on the **TDX SP2 ULM** powerchair:



Compact remote with LED display

Ideal for users who have a limited range of motion and reduced strength.



Extremity control joystick

Ideal for chin control with the outer shell being resistant to saliva.



MEC joystick

Ideal for those with muscle weakness or fine motor control.



Compact single switch joystick

Ideal for users with high muscle tone/ uncontrolled movement.



Paediatric compact joystick

Ideal for midline mount.



Atom head array

Three proximity sensors mounted in the headrest with in-built Bluetooth.



Proton head array

Adjustable headrest with three proximity sensors and in-built Bluetooth.



Sip 'n' puff head array with lip switch

Combines simple sip and puff controls with head movements.



Four switch proximity array

Ideal for those with a defined range of motion and no force.



Attendant control unit

Gives carers access to certain chair functions.



IDC dual control

Allows access to the drive function, controlled by a speed handle with emergency stop feature.

Intelligent seating system

The Ultra Low Maxx seating system can combine up to **50° tilt and 170° of recline**. Not only does this ensure effective **redistribution of pressure** for ischial relief and tissue reperfusion, it also warrants sufficient tilt for **effective positioning**. Not forgetting the importance of **comfort**, the ability to tilt to 50° allows the user to find a position of comfort **optimal for them**.



Ultimate in recline technology

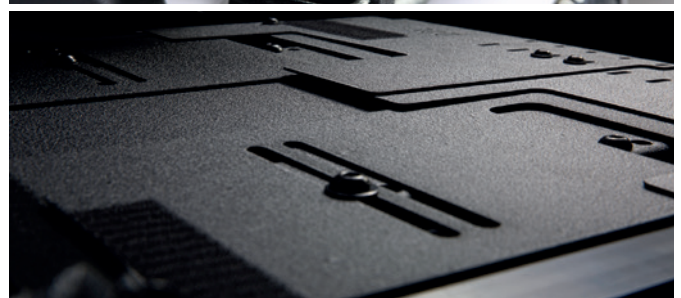
The **Extended Shear Reduction (ESR)** mechanism built into the Ultra Low Maxx system **reduces the risk of shear** which can cause tissue breakdown, prone to happen when the chair goes in and out of recline.

Never lose contact

Ultra Low Maxx has been specially designed to **replicate the natural pivot points of the body**, which ensures the users head, shoulders, hips and feet **don't slide or move** when the chair is transitioning between positions.

Modular design for optimal support

The customisable seating system **adapts to the user's body** over time due to its varying **width and depth options**, its selection of backrests, headrests and armrests plus its **built in rail**, which allows for a **range of positioning accessories** to be easily mounted to support user's needs.



Features and options



LiNX G-Trac® technology

G-Trac ensures the directions indicated by the control are followed by the chair.



SureStep® and Stability Lock

Allows easy obstacle climbing and guarantees a smooth downward transition.



Seat lifter

The 300 mm seat lifter provides easy access to higher obstacles.



Hip and lateral supports

Available in multiple pad sizes and are easy to insert, adjust, move and operate.



Single sided fork

Minimises the front width of the base with no protruding screws or fork parts.



True centre wheel drive

Allows excellent manoeuvrability in narrow spaces and ensures an intuitive driving experience.



Multiple backrests

Offers multiple, distinct backrests providing varying levels of lateral trunk support to the user.



USB charger

2 x USB 2.0 ports supply up to 1A each to keep devices charged. Rail mounting feature enables easy access.



DuraWatt motors

Quiet motors with sealed lifetime brushes reduce potential brush tolerance issues.



Black tyres and castors

Black non-marking tyres and castors with the black rim gives the chair a stylish modern look.



LED lighting system

Attractive, energy saving LED lights can be integrated in a well-protected position in the rear shroud.



Anterior assist

5° or 10° options are available for users needing assistance with transfers or to enhance day to day reach and function.



Choice of armrests

Available with both cantilever style armrests, to ensure an open rail for positioning components, and with reclining armrests for a high level of support.

LNx powered centre mount legrests




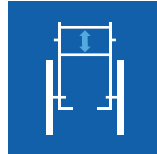



Offers an active seating position and enables legs to be positioned at a 90° angle.







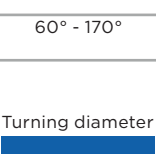
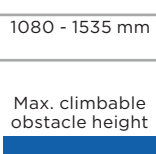

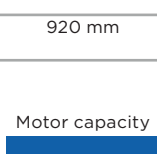
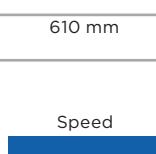
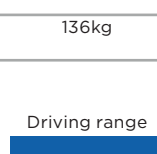
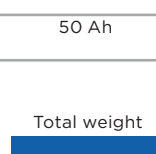
Headrest options








Different headrest styles available depending on the level of support needed.

Technical data

For more comprehensive pre-sales information about this product, including the product's user manual, please see your local Invacare website.

	Seat width	Seat depth	Seat height	Backrest height	Armrest height	Length of footrests	Seat angle
<i>Invacare TDX SP2 Ultra Low Maxx</i>	 405 - 610 mm	 405 - 580 mm	 440, 460 and 490 mm ¹	 355 - 505 mm ²	 230 - 405 mm ³	 270 - 474 mm ⁴	 0° to 50° ⁵

	Backrest angle	Total height	Total length inc. footrests	Total length without footrests	Driving unit width	Max. user weight	Battery capacity
<i>Invacare TDX SP2 Ultra Low Maxx</i>	 60° - 170°	 1080 - 1535 mm	 1120 mm ⁶	 920 mm	 650 mm	 136kg	 73.5 Ah
<i>Invacare TDX SP2 NB Ultra Low Maxx</i>	 60° - 170°	 1080 - 1535 mm	 1120 mm ⁶	 920 mm	 610 mm	 136kg	 50 Ah

	Turning diameter	Max. climbable obstacle height	Max. safe slope	Motor capacity	Speed	Driving range	Total weight
<i>Invacare TDX SP2 Ultra Low Maxx</i>	 1120 mm	 75 mm	 9° / 16°	 2 x 324 W	 6, 8 and 10 km/h	 up to 31 km ⁷	 156kg ⁸ 169kg ⁹ 179kg



matrx[®]
SEATING SERIES

Invacare[®] **Module**[™]



1. With a standard tilt
2. Depending on back support choice
3. Depending on armrest choice
4. Depending on legrest choice
5. 0°-45° for versions with lifter
-5° and -10° anterior mounting options
+5° pre tilt mounting option
6. Depending on legrest choice and seat position

7. Measured according to ISO 7176-4:2008 with 6 km/h and 73.5 Ah batteries; driving range will vary by configuration (battery size, speed).
8. TDX SP2 NB with tilt module
9. TDX SP2 with lifter/tilt module
10. Invacare Module[™] seat components are cross compatible across the Invacare power wheelchair range and partly with the Invacare Rea[®] family.

Shroud and rim insert colours

Island Blue	Lights Out Matte - Black	RockStar Red	WhiteOut	SpaceStation Silver
Monster Green	Tangy Orange	Invacare Blue	Wet Black	Grape JellyBean

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Don't forget, you can customise your **TDX SP2** by using the Invacare UNIQUE service.



Scan here to access the **LINX** website.

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