

TDX[®]2 Ultra featuring

ULTRALow maxx
By Motion Concepts



"I now realise
just how much
is possible"
Megan Hopkins

Ultimate Control. Ultimate Comfort.

The Invacare **TDX2 Ultra** is an elite, high performance, centre wheel drive power wheelchair equipped with the advanced **Ultra Low Maxx seating system**. Designed to be the new benchmark in the complex rehab power positioning arena, the **TDX2 Ultra** will revolutionise the way you sit with its **outstanding manoeuvrability**, exceptional functionality and extensive **range of positioning and support options**.

- Class leading, shear reduction with our ESR Mechanism
- Achieve the perfect fit with simple and precise adjustability features
- Maximise comfort and pressure relief with the advanced tilt and recline
- Excellent drive performance with Stability Lock and SureStep[®] Technology

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Great performance and a stable ride

The **TDX2 Ultra** wheelbase offers two **patented** technologies in **SureStep[®]** and **Stability Lock**. Both work together to ensure a smooth, comfortable and stable ride.

SureStep allows the castors to lower and extend or lift and retract when obstacles are encountered. **Stability Lock** locks the front suspension when the person's weight shifts forward - critical for those with limited trunk control. These innovative features ensure easy obstacle climbing, smooth downward transitions and allow a person to drive in confidence, regardless of the terrain.

Yes to mobility, no to compromise

With an incredibly **tight turning radius**, and its **Centre Wheel Drive** construction, this type of wheelbase provides **excellent manoeuvrability** and an **intuitive driving experience**, making it the ideal companion for both indoor and outdoor locations.

Enjoy greater freedom

The **TDX2 Ultra** wheelbase is the result of a combination of **sophisticated engineering**, robust construction and powerful motors, making it ideal for driving on **challenging surfaces**.

G-Trac[®] Technology - Improved Straight Line Tracking



Wheelchairs tend to require frequent input to maintain a straight line when driving on grass, slopes, or other uneven surfaces. This can be difficult for those with marginal hand function, alternative drive controls, or who have limited range of motion or endurance due to fatigue. The **G-Trac[®] technology** option solves these issues with its **enhanced driving control**, reducing the need for corrective steering regardless of the terrain.





Maximum Comfort and Pressure Relief

The **Ultra Low Maxx seating system** can combine up to **50° tilt and 170° of recline** for the ultimate in both **comfort and pressure relief**. When combined, these greater degrees of tilt and recline can vastly reduce pressure, providing an extra measure of **protection** for those at higher risk of skin tissue breakdown.

Ultimate in Recline Technology

The recline system on the **Ultra Low Maxx** is integrated with an **Extended Shear Reduction (ESR) mechanism** which is designed around the way a person moves. **Ultra Low Maxx** is available with a number of different backrest options that fit into the system. The **advanced design** of the backrest means that positioning accessories are fitted in the same way whether the person is sitting upright or is fully reclined, regardless of the back in use.

An individual Fit with a Modular Frame

TDX2 Ultra features a unique fit that can be **fine-tuned for each individual** while providing a **wide range of adjustments** should the individual's needs change. Flexible whenever needed, the width can be adjusted from 405 - 505mm or from 480 - 610mm in increments of 25mm. The seat depth can be **easily adjusted** via the **stepless Ultra rail** between 380 - 480mm or from 480 - 580mm.



Multiple Backrest Options

A custom fit is essential for each person, the **TDX2 Ultra** offers **four different backrest options**, each with various levels of trunk support. The mounting hardware has been designed into the backrest system, the result is **no loss of seat depth** and keeps the same pivot points to ensure the **recline mechanism maintains optimum efficiency**.



FEATURES & OPTIONS

**True centre wheel drive**

Providing excellent manoeuvrability in narrow spaces, the advanced centre wheel drive technology gives an intuitive driving experience.

**Inspiring design**

Choose from seven contemporary shroud colours for stylish customisation

**LED lighting system**

Attractive, energy saving, LED lights are integrated into a well-protected position within the rear shroud.

ULTRA LOW MAXX FEATURES & OPTIONS

**Powered backrest**

The Ultra Low Maxx offers a unique, powered backrest recline with an Extended Shear Reduction (ESR) mechanism, which allows up to 170° of smooth moving recline, keeping the client in the same position in relation to the backrest, headrest and accessories, during the recline cycle.

**Anterior assist**

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

**Accessory rail**

Each seat rail on the Ultra Low Maxx features a slide channel that can be used for a wide variety of positioning accessories such as pelvic belts and hip supports.

**Seat lifter**

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

**Multiple backrests**

The **TDX2 Ultra** is the only complex rehab seating system that offers multiple, distinct backrests on-chair providing varying levels of lateral trunk support.

ULTRA LOW MAXX FEATURES & OPTIONS



Armrests

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



LNX and Pivot Plus legrests

Choose from seven styles of legrests, including the popular LNX Power Centre Mount and the Pivot Plus Power legrests. The **LNX Power Centre Mount** provides a superior level of support for the legs and calves and, when used with tilt and recline, can position legs above heart level, facilitating a draining position. It is recommended for users with legs in adduction (due to high tonus) offering a **more efficient midline support**. It's **unique design** provides a smooth movement with an articulating footplate, **providing constant support** to the lower legs. The **Pivot Plus style legrests** offer a robust, side mounted legrest with wheels on the outside, ensuring safe navigation through doors and other daily obstacles.



Adjustable seat platform to accommodate growth

Adjustable in both width and depth, the seat platform provides scope for growth, from younger, to developing adults. At the heart of the **TDX2 Ultra** is the **Ultra Rail**, a modular slotted design rail system which provides infinite 100mm seat depth adjustments.



Hip support

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



Lateral Supports

Easy to install, adjust and fine tune for the perfect fit. Available in multiple pad sizes, the supports easily swing away for transfers into and out of the chair.



Headrest options

Available with three different headrest styles, depending on the level of support required.

TECHNICAL DATA

Invacare TDX2 Ultra	405 - 610mm	380 - 585mm	440mm, 460mm and 480mm ¹	560-660mm	245 - 310mm	290 - 460mm
Invacare TDX2 Ultra	60° - 170°	1080 - 1535mm	1160mm ²	920mm	650mm	136kg
Invacare TDX2 Ultra	1120mm	75mm	9° / 16%	2 x 340 W	up to 31 km ⁵	6. 8 and 10 km/h
						156kg ³ 169kg ⁴ 179kg

- 1/ With a standard tilt
- 2/ depending on seat position and legrest type
- 3/ TDX SP2 NB with tilt module
- 4/ TDX SP2 with lifter/tilt module 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).

- 6/ Compliant with the directive on the Restriction of the use of certain Hazardous Substances in electrical and electronic equipment - RoHS (2011/65/EC).
- 7/ Compliant with the regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals.



FRAME COLOURS

Wet black	Electric red	Jade green	Electric blue
Electric silver	Arctic white	Transparent purple	Carbon Effect

More detailed information, technical data, references for transport or description of certain options can be found in the wheelchair's user manual.