

## INTRODUCTION

The D-Xjunior is an active four-wheel folding frame wheelchair designed for children in low resourced settings.

The D-Xjunior may appear to be a standard folding wheelchair but it comes with multiple added adjustments that are usually found only on high end expensive wheelchairs. D-Xjunior makes all the benefits of multiple adjustments available to users in low resourced settings with the added advantage of being very easy to transport due to its light weight, and foldability.

D-Xjunior is compliant with WHO Guidelines and Training.

### **Note:**

Please note that some of the equipment illustrated in this manual might be slightly different than the actual model.

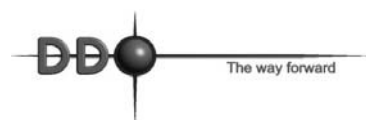
## PRODUCT FEATURES

- Steel frame available in two sizes
- Fully adjustable product
- Adjustable seat depth
- Adjustable backrest height
- Adjustable footrest height and depth
- Tension adjustable backrest upholstery
- Flip-up, reversible footplate
- Calf strap
- Removable side-guards
- Adjustable two rear wheel axle positions
- All D-Xjunior wheelchairs are provided with a D-Slim Plus wheelchair pressure relief cushion

The product has been designed for an average lifespan of approximately 3 - 5 years, as long as the product is used for its designated purpose and the product is maintained and serviced regularly. The product lifespan depends on the frequency of use, environment and maintenance. The use of spare parts when required increases the lifespan of the product.

### **Note:**

Please note that the indicated lifespan does not constitute additional product warranty.



## PRODUCT SPECIFICATIONS

Description	Details
<b>Seat width</b>	12" (30cm), 14" (35cm)
<b>Seat depth</b>	11" (28cm), 13" (33cm), adjustable
<b>Backrest height</b>	12" (30cm), 14" (35cm), 16" (40cm), adjustable
<b>Castor wheel</b>	6" x 1" solid tyre castor wheel
<b>Rear wheel</b>	Standard 22" x 1" solid tyre wheel, Aluminum hand rim

## ASSEMBLY AND ADJUSTMENT

### Footrest assembly and adjustment



The footrest is pre-assembled on the frame from the factory. No footrest assembly is needed.



The footrest height is adjustable. Adjust the footrest to the desired height and tighten the clamp fasteners.

The images on the left show the footrest in the lowest and highest position.



The footrest can also be adjusted horizontally. Adjust the footplate in the desired location. Tighten the footplate to the footrest tube using the fasteners provided.



The images on the left show the footplate in the most forward and backward position.



The footrest tube is reversible in order to extend the horizontal adjustment range. Turn the footrest tube 180 degrees.



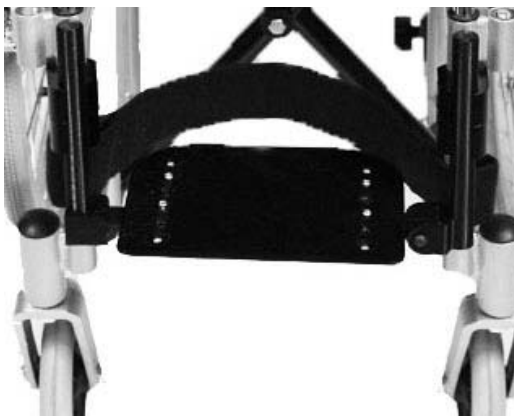


Adjust the footplate in the desired location.  
Tighten the footplate to the footrest tube using  
the fasteners provided.

The images on the left show the footplate in  
the most forward and backward position when  
the footrest tube is reversed.



### Calf strap adjustment



The calf strap is pre-assembled on the  
wheelchair from the factory.

Adjust the calf strap to the desired length and  
then affix the Velcro pieces together.

## Rear wheel assembly



To mount the rear wheels on the frame, place the rear axle through the hub bearings and place the frame spacer on the rear wheel axle.



Select the active or safe rear wheel axle position.  
Mount the rear axle in the frame axle sleeve.  
Tighten the locking nut

## Brake adjustment



The brake can be adjusted according to the rear wheel position and tyre type/ dimensions.  
Slide the brake along the frame tube to the desired position.  
Tighten the brake clamp fasteners.

## Seat and cushion adjustment



The seat panel depth is adjustable. The image on the left shows the seat panel in maximum length setting.



To reduce the seat depth, undo the Velcro strap under the seat.



Remove the Velcro strap under the seat completely.





Fold the fabric at the front of the seat panel under the seat.



Secure the seat fabric using the Velcro patch under the seat.



The pressure relief cushion length must be adjusted, according to the seat depth. Remove the cushion base and the top foam from the cushion cover. Mark the cutting line AT THE FRONT of the cushion. Cut the cushion base and the cushion top foam, following the cutting line.



Place the cushion base and top foam inside the cushion cover. Pay attention at the orientation and the order the two cushion parts are placed inside the cushion cover.



Fold the cushion cover and close it using the Velcro patches on the cover.

## Backrest adjustment



The backrest is height and tension adjustable.

The backrest height can be adjusted by using the adjustment holes in the backrest adjustment rails.

The backrest is pre-assembled in the lowest position from the factory.

Three backrest straps are used in the lowest backrest position. One additional backrest strap is placed separately in the box.

The image on the left shows the position of the backrest straps in the lowest backrest position.



The image on the left shows the position of the backrest straps in the mid-height backrest position.

Use the additional backrest strap placed separately in the box. Four backrest straps are used in the mid-height backrest position.



The image on the left shows the position of the backrest straps in the highest backrest position.

Four backrest straps are used in the highest backrest position.



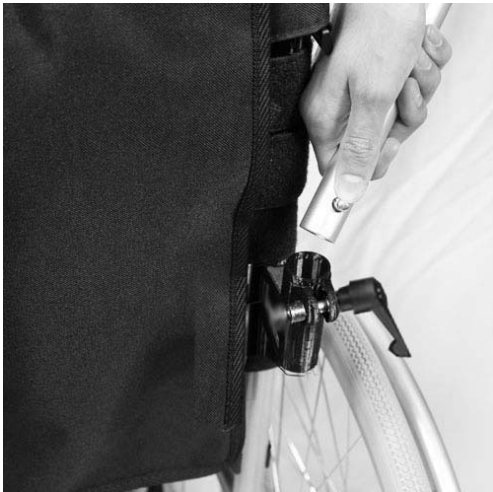
Once the backrest has been adjusted at the desired height, adjust the tension of the backrest straps.

Place the front of the backrest panel in its location using the Velcro strips on the backrest panel and on the backrest straps.



Fold the rear of the backrest over the top of the straps and place it in its location using the Velcro strips on the backrest panel and on the backrest straps.

### Push handles assembly and adjustment



Loosen the push handle adjustment clamp. Press the spring pin on the push handle tube and insert the push handle inside the push handle adjustment clamp.



When the push handles are not in use, slide the push handles down to the lowest position. Rotate the push handles until the safety screw fits inside the recess in the push handle adjustment clamp.

Tighten the push handle adjustment clamp

#### Note:

The push handles can be removed for storage and transport to minimize the size of the product.



When in use, slide the push handles upwards to then highest position.  
Rotate the push handles until the spring pin fits inside the recess in the push handle adjustment clamp.

**Note:**  
Various push handles orientations and heights can be chosen according to the caregiver's preference.

The image on the left shows push handles placed in a different position than the top or bottom position.



### **Anti-tipper assembly and adjustment**



Press the spring pin on the anti-tipper tube and insert the anti-tipper inside the frame bottom rail.

Rotate the anti-tipper until the spring pin fits inside the hole in the frame bottom rail.



When not in use, rotate the anti-tippers up 180 degrees until the spring pin fits inside the hole in the frame bottom rail.



Note:

If anti-tippers are not used at all, they can be removed and replaced by tipping lever covers, as shown.

## Side guards assembly and adjustment



The side guard plate and the side guard band can be assembled in various settings to obtain various side guard heights and lengths

Select the desired mounting setting.  
Tighten the side guard plate to the side guard band, using the supplied fasteners.

The side guard assembly height can be adjusted by using one of the threaded holes in the side guard band.

Select the threaded hole, as desired.  
Tighten the stop, using the supplied fastener.

## Armrest pads assembly and adjustment



The armrest with padding can be mounted on the existing side guard.  
Adjust the armrest height by selecting the mounting holes in side guard band.

Tighten the armrest in place, using the supplied fasteners.



After adjusting the height and length of the side guard, insert the side guard band in the side guard mounting socket.  
Slide the side guard down until the stop touches the top of the side guard mounting socket.