

Starlight-NXT Car Seat

Installation and User Manual



IMPORTANT CONSUMER INFORMATION NOTICE:

This manual contains important instructions that must be passed on to the user of this product. Please do not remove this manual before delivery to the end user.

SUPPLIER:

This manual must be given to the user of this product.

USER:

Before using this product, read entire manual and save for future reference.

medifab[®]

User Manual for all Starlight-NXT Car
Seat Manual: Starlight-NXT20191111

Serial Number:

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I. General Information

1.1 Introduction

You have chosen the car seat "STARLIGHT-NXT" and get hereby a high quality product from our house. We would like to thank you for your trust in us.

To make sure you find joy with this product and to ensure it helps you to make everyday life easier, we present you this manual. It shows you the correct and simple usage and the necessary care and maintenance. To avoid damage due to operator error and to ensure best use, please read the following instructions carefully. If you have any questions or problems, please contact your dealer. We wish you a trouble-free use and hope that our products meet your expectations.

We reserve the right to make technical changes to the version described in this manual.

Before installing in your car and using it for the first time, please read and follow the installation instructions on pages 4 - 6. Please ensure that the instructions for use remain with the product and are therefore available to everyone who use the seat.

Yours

HERNIK GmbH

1.2 Purpose and indication

The STARLIGHT-NXT was developed for the transport of children with special needs in cars. Children with poor head or trunk control (eg infantile cerebral palsy, muscular dystrophy, hypotension) can be supported in their posture by means of individually positioned thorax pads and special upholstery which ensures a safe transportation.

Important optional accessories can be used to address specific needs such as: the seat angle or the installation of a stable abduction wedge or a footstool. More in chapter V.

I. General Information

1.3 Relevant information

The STARLIGHT-NXT car seat for disabled children consists of two modules:

1. A standard child car seat from Römer-Britax (please refer to the manufacturer's manual for use).
2. Adaptation module with accessories, which offers the possibility to equip the car seat according to individual needs. Please observe the instructions for use from HERNIK GmbH.

1.4 Declaration of conformity

HERNIK GmbH declares in sole responsibility that car seat "STARLIGHT-NXT" complies with the Essential Requirements (Appendix 1 of Directive 93/42 EEC). The product is marked with the CE mark according to the above mentioned directive.

1.5 Warranty

A warranty can only be accepted if the product is used under the specified conditions and for the intended purposes. The manufacturer is not liable for damage caused by components and spare parts which were not approved by the manufacturer.

1.6 Service and repair

Service and repairs on the STARLIGHT-NXT may only be carried out by specialized dealers. If you have any problems, contact your local dealer. For repairs, you will only receive original spare parts.

1.7 Practical instructions

The car seat will be delivered fully assembled. Upon delivery, the dealer will instruct the user how to use the device by using the manual. The specialist dealer should install together with the user the car seat in the car and if available adjust the Isofix strap or the clamp.

When installing the car seat, it is best to hold it with one hand in the center of the front and the other at the top. In order to achieve an optimal sitting position, it is necessary to adjust the car seat individually to the circumstances of the child. This should always be done by the dealer.

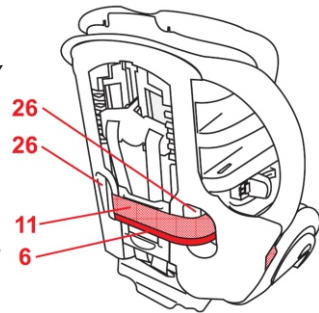
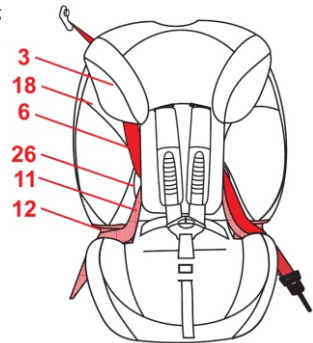
I. General Information

1.8 Using the 3-point-harness of the vehicle (Group I)

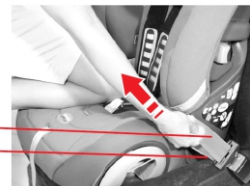
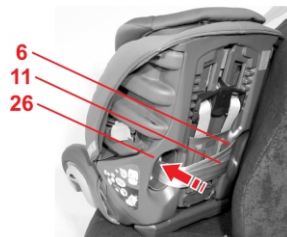
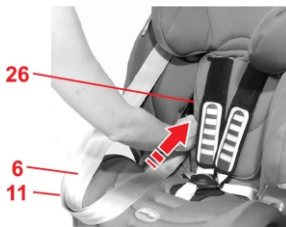
To be able to absorb the enormous forces during an accident, the STARLIGHT-NXT must be secured with the vehicle's three-point belt according to ECE 44/04 Group I, II + III. An ISOFIX connection alone is not sufficing!!!

The fixation as Group I show the following pictures:

- Place the pelvic belt (11) in the light red belt guides (12).
- Grasp about 80 cm of the diagonal belt (6) and the pelvic belt (11) together.
- Guide the seat belt through the first seat belt feedthrough (26) of the backrest.
- Turn the child seat slightly away from the car seat and now guide the seat belt backwards through the second seat belt feedthrough (26).
- Insert the diagonal belt (6) and pelvic belt (11) into the belt guides (12) on the side of the auto buckle (10). Engage the latch in the car buckle (10). CLICK!
- Pull the diagonal belt (6) at the bottom of the seat belt buckle to tighten the pelvic belt (11).
- While holding the diagonal strap (6) at the bottom, pull it forward to the feedthrough (26) to pull the loose strap through.
- Now pull hard on top of the diagonal strap (6) to tighten the entire harness.



NOTE: Mandatory to a minimum distance between the backseat of the car to the passenger backrest of 60 cm!!!



I. General information

1.9 Buckling the child

- Loosen the shoulder straps (02)
- Open the buckle (15) by pressing the red tab
- Put your child in the child seat.
- Pass the shoulder straps (02) over your child's shoulders.

Attention! Do not twist or swap shoulder straps (02).

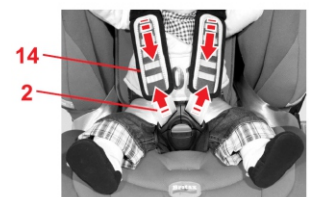
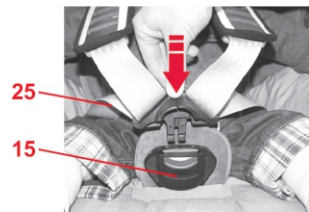
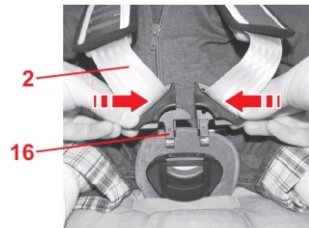
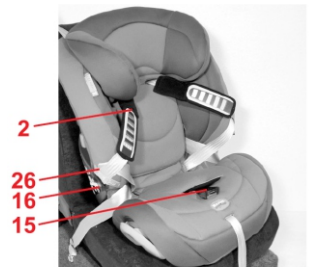
- Bring the two locking tongues (16) together and audibly engage them in the belt lock (15). **CLICK!**
- Tighten the straps until they are snug against your child's body. **Attention!** The hip straps (25) must run as low as possible over the groin of your child.

Tighten the straps

- Pull the adjuster strap (17) until the harness is even and tight against your child's body.

Attention! Pull the adjustment strap (17) out as straight as possible and not laterally or upwards.

- Pull the shoulder pads (14) down again.
- Pull on the shoulder straps (02) to make sure the waist straps (25) are taut and that the harness is even.
- Pull the adjuster belt (17) again until the harness is even and tight against your child's body.



I. General information

1.10 Using the 3-point-harness of the vehicle (Group III)

To be able to absorb the enormous forces during an accident, the STARLIGHT-NXT must be secured with the vehicle's three-point belt according to ECE 44/04 Group I, II + III. An ISOFIX connection alone is not sufficing!!!

The fixation as Group III show the following pictures:

- Place the child seat on the vehicle seat and allow your child to sit in the child seat.
- Pull out the seat belt and guide it to the seat belt buckle (10) in front of your child.

Attention: Do not twist the belt.

- Engage the latch in the car buckle (10). CLICK!
- Place the diagonal strap (6) and the pelvic belt (11) on the side of the car buckle (10) in the light red belt guide (12).

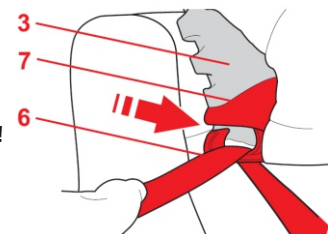
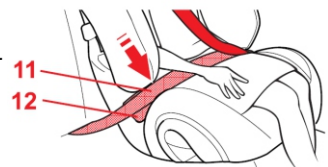
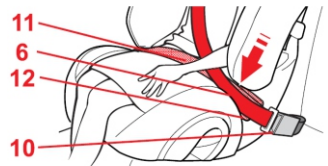
Attention: The car seat belt buckle (10) must not rest on the light red belt guide (12).

- Place the pelvic belt (11) on the other side in the light red belt guide (12).

Attention: The lap belt (11) must run as low as possible over the groin of your child on both sides.

- Insert the diagonal strap (6) into the dark red belt holder (7) of the headrest (3) until it is completely and undiluted in the belt holder (7).
- Make sure that the diagonal strap (6) runs over your child's collarbone and does not touch the neck.

NOTE: Make sure that the minimum distance between the seat and the vehicle roof is 90 cm!



II. Safety instructions

- Before use, the components must be checked for perfect function and condition.
- The instructions for use must always be carried on the child car seat.
- The safety of your child is only guaranteed if the seat is installed correctly and if the child is fixed exactly.
- The straps must be laid tight and without twisting.
- The 3-point safety belt is to be guided through the provided belt guides and is supposed to surround the seat tightly.

Please check:

- A) whether the seat belt is securely placed in the belt guide
- B) whether the belt buckles are locked correctly
- C) that no textiles are impacted
- Make sure that no solid objects like pins, belt buckles, etc. are placed between child and seat belt. This could lead to injuries in the event of accidents.
- Explain to your child how important it is to be well-secured and that the course of the straps do not change. It shouldn't pull on the straps nor open the belt buckles.
- Do not make any changes to the car seat, otherwise you risk your child's safety.
- The car seat must not be damaged by moving parts in the car or through doors.
- Never leave your child alone in the child car seat.
- Inform your passengers how your child can be taken out of the seat after an accident.
- After an accident, the entire child car seat has to be renewed.

III. Height adjustment of the headrest

- Pull the locking bracket **1** lightly on the backrest of the seat until it releases from the toothing. Move it together with the headrest **2** to the desired position. Finally, release the bracket so that it can engage again - see Fig. 1.

ATTENTION: If the locking bar is already at the highest point and you still need more back or headrest height, the XL kit should be retrofitted or a larger car seat be selected!

Fig.1



- Now the two-piece back cushion has to be adjusted. Loosen the scratches between the front back cushion **4** and the wedge-shaped balance pad **3**, which is behind it - see Fig. 2.



Fig. 2

- Align the back cushions **4**, make sure that the connected head restraints are seated correctly, and revert the underside of the cushion around the wedge-shaped cushions **3**.

Make sure that no wrinkles form and a smooth crossover is created.



IV. Installation of the XL-Kit

- The XL-Kit allows you to use the STARLIGHT-NXT even for older children (1.20 m max.). If the car seat has not already been ordered with the XL kit, it can be retrofitted with it.

The XL-Kit consists of:

- ❶ backrest cushion long, incl. headrest
 - ❷ belt pads for the shoulder, pair
 - ❸ adapter plate (if thorax supports are used)
 - ❹ wedge-shaped pad, long
- First remove the already installed back cushion, incl. the wedge-shaped compensation cushion.

Fig. 1 (components)



- Loosen the straps as far as possible and remove the gray straps from the Y-connector (fig. 2)

Fig. 2



- Press the release button (Fig. 3) and pull the Y-connector on the back of the car seat up as far as it will go - until the gray 25 mm strap stops and is visible only a few inches.

Fig. 3



IV. Installation of the XL-Kit

- Pass the strap ends of the beltpad ① through the openings below the headrest (Fig. 4 + 5) and hook them into the Y-connection part. The Y-connector ② remains in place as seen in Fig. 5.

ATTENTION: the 25 mm strap on the front of the seat has no longer any function. Please do not pull it anymore!!!

Fig. 4



Fig. 5



- The previously removed gray straps must now be inserted into the two adjusters CORRECTLY - see Fig. 6. Please note the course of the arrows!

The length of the shoulder strap can then be changed by means of the two adjusters, which are located at the end of the beltpads. The tightening is achieved by pulling on the strap ends. For loosening press the gray button off the adjuster and pulled on the shoulder strap.

Fig. 6



The belt must be easy to move without exaggerated effort. If this is not the case, the belt was threaded wrong !!!

IV. Installation des XL-Kits

- If thorax supports were installed, the adapter plate **3** must now be attached - see Fig. 7. To do this, the headrest must be pulled out completely and two strips of self-adhesive loop tape (included in delivery, adhering to the adapter plate) to be glued to the red marked area.

Now, the already existing mounting plate for the thorax supports **5** (square plate, about 20 x 20 cm) must be removed from the car seat back and be clamped at the height of the just mounted adapter plate - see Fig. 8.

Now it is also advisable to adjust the thorax supports **6** to the height that suits the child - assuming you have previously taken your measurements.

- Regardless of whether or not the thorax supports are installed, the long wedge-shaped cushion **4** must now be attached to the lower edge of the back - see Fig. 9.
- The last step is to install the long back cushion **1**, including the positioning of the headrest. Pass the thorax supports through the appropriate longitudinal slots and then wrap the excess pad around the wedge-shaped pillow **4**. Make sure that it does not wrinkle.
- The height of the headrest can then be adjusted to the required height by means of the gray lever **7**.

Fig. 7



Fig. 8



Fig. 9



Fig. 10

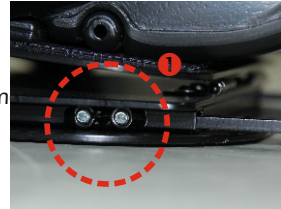


V. Using the optional accessories

5.1 ISOFIX-adapter

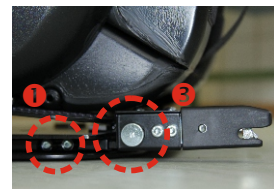
Installation:

1. Let the installation of the seat and its adjustment been dem technician.
2. Open the setscrews ❶ on the left and right and pull the bracket out to the rear.
3. Adjust the back rest of the car's seat to the required angle, taking advantage of the space created to the car's back pad. Slide the ISOFIX adapter on both sides backwards in the direction of the backrest until you hear the locking of the two ISOFIX tongues ❷ in the vehicle's ISOFIX mounting (two clicks).
4. Push the car seat towards the backrest of the vehicle until both touch and are slightly under tension. This prevents vibrations while driving.
5. Close the two setscrews ❶ left and right. In addition, the two ISOFIX tongues must be protected against unattempt opening, which is why both screws ❸ must be tightened.
6. Ensure that both ISOFIX tongues are engaged by a double-sided pulling test.



Removal Note:

1. Open the two screws ❸.
2. Move them forwards in the direction of the car seat, releasing the grid connection of the system. It may be necessary to compensate for the pressure of the seats padding so that the connection can be solved.
3. The car seat can now be removed from the vehicle.

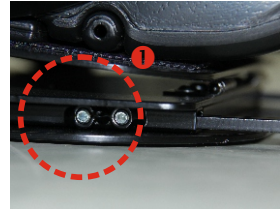


V. Using the optional accessories

5.2 Clamp bow

Installation:

1. Let the installation of the seat and adjustment of it be shown to you during the delivery.
2. Open the setscrews ❶ on the left and right and pull the bracket to the rear.
3. Adjust the back rest of the car's seat to the required angle, taking advantage of the space created to the car's back pad. Now push the clamp on both sides backwards in the direction of the backrest, until it sinks into the gap of the car seat and seat upholstery and remains firm.
4. Push the car seat against the backrest of the vehicle until it rests flat.
5. Now close the two setscrews ❶ left and right.
6. Whether the offset of the bow must be directed upwards or downwards depends on the construction of the respective passenger car seats.



Removal Note:

1. Pull the car seat including the clamp out of the gap of the car seat.

V. Using the optional accessories

5.3 Security tray

Installation:

1. Let the installation of the seat and adjustment of it be shown to you during the delivery.
2. Put the support and safety pad ❶ on the car seat after sitting your child into it and strapping it on.
3. Secure the padding using the supplied Velcro straps ❷, which are fastened to the back of the car seat.
4. Your child's arms should rest on the table, which leads to an upright seating position. This supports the upper body.
5. Make sure to avoid the risk of toys, which may be on the upholstery. Do not use hard, solid or even sharp-edged objects!



Fig. 1



5.4 Lateral supports

1. HERNIK GmbH is not allowed to injure (drill, screw) the body of the STARLIGHT-NXT. Nevertheless it was very important to us to offer lateral supports ❶ for children with weak trunk muscles, so we decided for a fixation solution, which uses Velcro for sufficient stability and also provides flexibility.

2. In order to change the position of the pads, it must first be carefully released by gently turning the Velcro connection. Afterwards, the pad can be arranged freely.

IMPORTANT: For a stable fit, the pad should be pressed with high pressure while turning back and forth on the back of the STARLIGHT-NXT. This creates a firmer hold of the Velcro elements!



V. Using the optional accessories

5.5 Abduction block

1. The abduction wedge **2** helps your child to reach a predetermined distance between the knees. In order to loosen or tightening the 5-point belt, the wedge must be removed. Open the clamp **1** and remove the wedge upwards.
2. The wedge should be against the seat upholstery as shown in the picture. The depth of the wedge can be adjusted. For this purpose, both hexagon screws must be opened and offset under the seat.
3. The wedge should always be used while driving (if chosen as an option), otherwise your child could be injured by the mounting.
4. The lever **1** can be changed in its position by gently pulling it forward without moving the screw connection. Make sure it is up and not out of the way, otherwise your child's calves may come into contact with it.

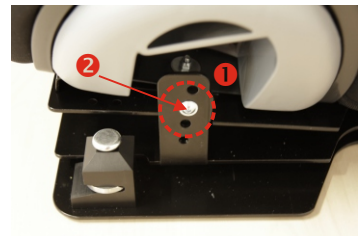


NOTE:

The abduction block may only be used on children over 16 kg, as minor children may be injured during an accident.

5.6 Angular adjustment

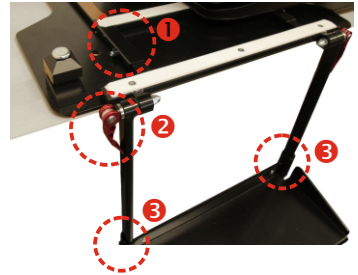
1. If the seat angle provided by the vehicle seat is insufficient, the seat angle of the car seat can be increased by the (extended) child seat angle adjustment **1**. For this purpose, the screw **2** left and right has to be opened and another hole to be selected. Then tighten the screws back.
2. For safety reasons, here is no quick release possible!



V. Using the optional accessories

5.7 Foot rest / foot roll

1. The tabs **1** are fixed below the car seat by means of set screws on the base mount, so that the depth can be adjusted.
2. The angle of the handrails can be varied by opening the quick release lever **2**. Care should be taken to ensure that the levers are in a position that does not cause harm!
3. To adjust the height of the footrest, the screws **3** on the left and right must be opened. Now the height can be stepless selected. Then please tighten the screws again.



5.8 Swivel

1. To simplify the daily transfer to the vehicle, we recommend our swivel adapter, which let the car seat turn outwards by 90°. For technical reasons, only ONE direction of rotation is possible. For a later change in the other direction, the car seat must be rebuilt in our house. The use of the ISOFIX adapters or the clamp are recommended!
2. To turn the chair, the handle **1** must be pulled up and the chair moved at the same time. The optional footrest stops to avoid collisions with the front passenger seat and the B-pillar.



Pay attention when rotating your child's legs!

3. After the transfer, simply turn the IPAI-NXT back to the starting position and pay attention to the "click" sound, in which the tongue **2** snaps back into the catch.



VI. Garantie

Hernik products are designed and manufactured in accordance with strict quality standards. If, in exceptional circumstances, you have cause for complaint, Hernik GmbH guarantee in accordance with the terms and conditions of delivery:

- 24 months warranty on all solid parts, from date of delivery.
- 12 months warranty on all moving parts, from date of delivery.

For parts that were not manufactured by Hernik GmbH, please refer to the warranty policy of the respective manufacturer (Römer-Britax Kindersicherheit GmbH). Claims under this guarantee are subject to the device being properly installed and used in accordance with the instructions provided.

Warranty is void where modifications or improper repairs, without prior consultation with the manufacturers are carried out. Warranty is void where a device is improperly fitted.

Further claims, for whatever legal reason, in particular, claims for direct or indirect damages are excluded.

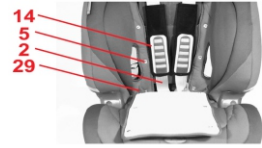
VII. Kennzeichnung

On the back you'll find the following labeling:



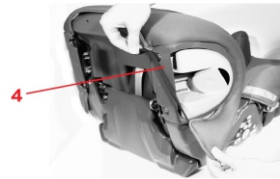
VIII. Maintenance & product care

1. Every 8 weeks check the screw connections for tightness and retighten if necessary.
2. Periodically clean with a dry cloth; if heavily soiled, clean with a mild household cleaner.



3. Remove the cover:

- Open the Velcro fastener on the crotch pad (23) and remove it.
- Open the pushbuttons (05) on the left and right of the backrest cover (29) and the headrest (03).
- Unhook the reference edge and the rubber loops under the edge of the child seat.
- Remove the cover of the headrest (03).
- Feed the belt lock (15) out of the cover.
- Disconnect the rubber bands of the cover from the cup holder (04).



IX. Technical characteristics

	STARLIGHT-NXT (standard)	STARLIGHT-NXT (XL-Kit)
SEAT WIDTH (pelvis)	30 cm	30 cm
SEAT WIDTH (knee)	35 cm	35 cm
SEAT DEPTH	26 cm	32 cm
BACK HEIGHT	27 - 39 cm	44 - 53 cm
CROWN HEIGHT	51 - 62 cm	67 - 76 cm
HEIGHT LATERALS	17 - 27 cm	25 - 38 cm
DISTANCE LATERALS	14 - 19 cm	
angle	90°	
total height	60 - 85 cm	
total width	50	
total depth	53	
weight	8,5 kg (without accessories)	
capacity	9 - 36 kg	

Standard equipment:

- 5-point harness with padded buckle pad removable (height adjustable!) and belt protectors
- Headrest height adjustable
- exclusive ventilation system
- two-part backrest for high comfort and padded headrest (washable at 30 ° C)
- Side impact protection because of large shock absorber
- cup holder on both sides



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