



MOBILITY FOR KIDS AND YOUNGSTERS

Owner's manual

Owner's manual

Congratulate on purchasing the Rennrad 2-in-1 Run Bike. This owner's manual contains all the main information you need to handle the Rennrad safely as well as information on how to service this high quality product. Please keep this manual.

Before you start :

Please read these instructions carefully before you use your Rennrad for the first time. You should not allow the child to use the bike until you, the parent or guardian, have read and understood the owner's manual.

Warranty:

You will find important information on the terms of warranty on page 34. Take the original proof of purchase to your dealer so that you can make a claim under the warranty.

Manufacturer:

Ming Cycle Industrial Co., Ltd.

ADD : No.50, Ln. 462, Guangxing Rd., Taiping Dist., Taichung City
411, Taiwan (R.O.C.)


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1 The Rennrad at a Glance

The Rennrad is a quality product that was especially developed to meet the needs of youngsters. Children above the age of 2.5yr can use the Rennrad as a running bike in the initial phase. Later the Rennrad can be converted into a proper children bike by installing the drive unit.

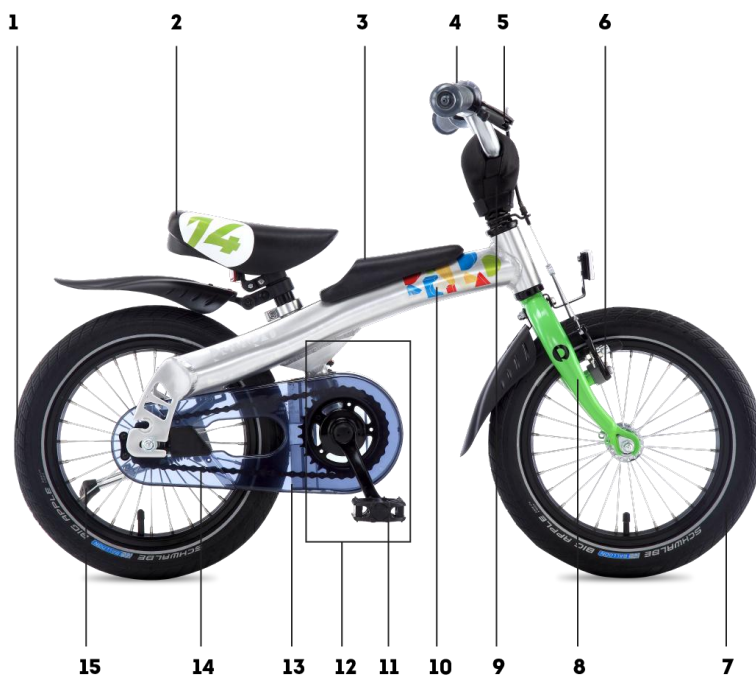


 Rennrad – as a running bike



 Rennrad – as a conventional bike

Overview



Legend

- | | |
|----------------------|--------------------------------|
| 1 Rear wheel | 9 Handlebar pad |
| 2 Saddle | 10 Frame |
| 3 Frame pad | 11 Pedals |
| 4 Handlebar and stem | 12 Drive unit |
| 5 Brake lever | 13 Chain guard |
| 6 Front wheel brake | 14 Chain |
| 7 Front wheel | 15 Kickstand (For 14",16"&18") |
| 8 Fork | |

2 Pack contents/Delivery

Your Rennrad is not fully assembled when it is delivered. You'll receive the following components in the box :

- 1 Rennrad (partly assembled)
- 1 front wheel
- 1 multi-function tool
- 1 drive unit with mounting screws
- 1 chain guard with Philips screw
- 1 chain
- 2 pedals
- 1 owner's manual
- Allen keys

For details about how to assemble your Rennrad, please see section "First use".

3 Symbols in the owner's manual

Incorrect operation of your Rennrad, inadequate service and care of abuse might cause damage to the bike and lead to accidents. We point out these possible risks by the following symbols in the texts.



This symbol denotes a possible danger to the life or health of your child if you fail to follow the instructions or if you fail to take the necessary precautions.



This symbol provides information on how to handle the product, emphasizing the parts of the instruction manual that should be studied in detail.

4 Important Information

4.1 Parent's /supervisor's responsibility

Rennrad must be assembled by adults. If the Rennrad is used incorrectly, there is little danger. Please remember, however, that the natural playfulness and temperament of children may result in unforeseeable and dangerous situations, for which the manufacturer cannot be held responsible. Therefore, please instruct the child how to use the Rennrad correctly and make him/her aware of possible dangers.

4.2 How should you and your child use the Rennrad?

- The Rennrad has been exclusively developed for use in nurseries, playrooms, playgrounds and footpaths.
- Your children's bike does not meet all the requirements of the German Road Traffic Authorisation Order (StVZO). Please familiarise yourself with the Road Traffic Regulations in your country.
- When your child has mastered the running bike, you can convert it into a "proper" children bike with a little technical skill in a matter of minutes.
- Your child will naturally master the wonderful world of cycling and balancing on the Rennrad by him/herself.

4.3 The safety of your child

The Rennrad must not be used on public roads. The Rennrad should only be used under the supervision of an adult.

Please note the following points for the safety of your child :

- ✧ Before you allow your child to ride the Rennrad, you, the parent or guardian, must have read and understood the owner's manual.
- ✧ The maximum load for the Rennrad is 60 kg.

- ✧ Only allow your child to ride the Rennrad whilst wearing a bicycle helmet.
- ✧ Teach your child how to use the Rennrad safely, such as balancing, steering and braking. Help your child until you find that he or she can ride and stop safely on his/her own.
- ✧ In adverse weather conditions, such as rain, snow or ice, your child should not use the Rennrad outdoors. These weather conditions will make the ground slippery and your child may slip, fall, and injure himself/herself. This also applies to riding or braking too hard on a smooth surface.
- ✧ The Rennrad must not be used on public roads.
- ✧ Children under the age of 2.5yr must not use the Rennrad.
- ✧ Your child must be able to touch the ground easily with both feet.
- ✧ Check that the front brake works correctly at regular intervals.
- ✧ Ensure that your child does not ride without his/her hands on the handlebar. Riding with no hands can result in serious accidents.
- ✧ Ensure that your child wears close-fitting clothing when riding the Rennrad. Your child should wear bright clothing and reflectors.

- ✧ Rennrad cannot be assembled any carriers and childseats.
- ✧ For children's safety, reflector and bell must be assembled and confirms to laws and regulation for each country.

5 First Use

Follow the instructions below to assemble your Rennrad fully and ensure that it is safe to use. If you are not confident in your ability to carry out this work, contact a bicycle dealer.

5.1 General

Remove all protective caps and protective covers.

Before your child uses the Rennrad, check that all the screws and nuts are secure.

Fit the handlebar and straighten it so that it is at a right angle to the front wheel and tighten the stem properly.

Adjust the front wheel brake and check the function of the brake carefully before you allow your child to ride the bike.

To ensure that your child can take up a safe and comfortable riding position, the saddle can be adjusted individually.

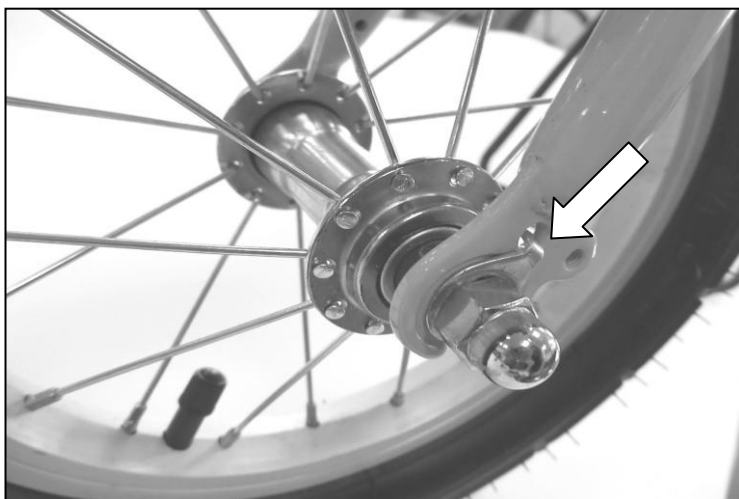
On page 23, you find the instructions of how to fit the pedals and drive unit.

5.2 Fitting the front wheel

1. Undo the two nuts on the front wheel hub.
2. Fit the front wheel into the fork mounting.



3. Fit the locking washers into the openings provided for them on the fork.



4. Tighten the two nuts and check that the spacing between the front wheel and the fork is the same on both sides. (Tightening torque 15-20 Nm)



Danger !

If the front wheel is not properly secured, your child may fall and injure him/herself.

5.3 Handlebar and safety pad

✧ To fit the handlebar :

1. Place the handlebar in the mounting.
2. Adjust the required handlebar height. Note the “min. Insertion” marking on the tube. The minimum insertion line must not be visible above the clamp.
3. Straighten the handlebar so that it is at a right angle to the front wheel.



4. Tighten the Allen screw. (Tightening torque 15-20 Nm)



Danger !

If the stem is not properly secured, your child may fall and injure him/herself. The minimum insertion line must not be visible above the clamp.

To secure the safety pad:

The Rennrad is supplied with a handlebar pad. After you have fitted the handlebar, fit the pad using its two zippers.



5.4 Front wheel brake

The front wheel brake is already mounted to the frame of the Rennrad at the factory. It will only take you a few minutes to complete the installation of the brake.



Danger !

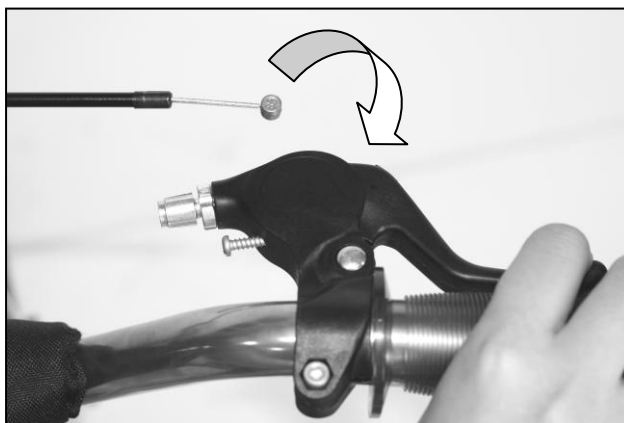
Please make sure your child familiar with the function and effect of brake on Rennrad in order to prevent accidents.

To attach the brake cable :

1 Remove the brake cable from the mounting of the Front wheel brake.



2 Attach the nipple at the end of the brake cable to the brake grip by sliding it into the matching groove.



3 Attach the brake cable to the mounting on the brake grip.



4 Reattach the brake cable to the mounting on the front wheel brake.



✧ **Adjust the reach of the brake lever :**

The front wheel brake is fitted with a child-friendly brake lever. The reach of the brake lever can be adjusted individually to the hand size of your child using an adjusting screw.

Check the following points with your child before every ride :

- ✧ The brake lever must move easily.
- ✧ The distance between the brake lever and the handlebar grip (reach) must be adjusted screw is shown in the picture below.
- ✧ Turning the adjusting screw clockwise reduces the distance of the brake lever from the handlebar grip. The reach is set correctly when your child's hand can easily put two fingertips around the brake lever and can pull on the brake with normal force.





Danger !

It must not be possible to pull the brake lever all the way to the handlebar grip without the brake exerting the maximum brake force. Check the brake function every time you adjust the reach.



In case of weak brake power, the brake must be readjusted and/or the brake pads must be replaced. Please contact your bicycle dealer for help.

5.5 To adjust the saddle height

✧ **Without the drive unit fitted :**

If the drive unit is not fitted, the saddle is at the correct height if your child can reach the floor easily with both feet.



Danger!

Leave the saddle in its lowest position until your child has got used to the Rennrad.

✧ **With the drive unit fitted :**

With the drive unit fitted, the saddle is at the correct height if the heels of your child rest easily on the pedal (at its lowest point). Your child's leg should be slightly bent.

1 Undo the Allen bolt to open the seat clamp. Adjust the seat post to the required height.



2 Tighten the Allen bolt again to close the seat clamp. (Tightening torque 10 Nm)



Danger !

Please note the minimum insertion depth of the saddle tube. It is marked by an engraved line “min. Insertion”. Failure to comply with the minimum insertion depth may cause the saddle tube to break and result in the rider falling off. The minimum insertion line must not be visible above the clamp.



When the drive unit is fitted, the saddle can no longer be moved to its lowest position. As your child grows you will have to adjust the saddle height at regular intervals.

5.6 To adjust the saddle position

1 Undo the four hexagonal screws under the seat. You do not need to remove the protective caps.



2 Adjust the saddle to the required horizontal position.

3 Tighten the hexagonal screws (tightening torque 15 Nm)



The adjustment instructions are intended to help you find a good seat position for your child. You should adjust the seat position so that your child feels comfortable on the bike.

6 Before every ride

Before every ride, check that the front and rear wheel brakes (rear wheel brake only if the drive unit is fitted) work correctly, that the saddle, handlebar, stem, and wheels are secure. Also check the condition and pressure of the tires. Failure to do so may cause damage to the bike and/or the health of your child.

7 Adjust Handlebar and stem



The height and angle of the handlebar can be adjusted. To find the correct position, let your child sit on the Rennrad with a straight back gripping the handlebar with both hands and stretch his/her arms.

✧ To align the handlebar

1 Undo the Hexagon bolt.



2 Move the handlebar to the required position.



The handlebar must be centred in the stem clamp.

3 Tighten the Hexagon bolt. (Tightening torque 10-15 Nm)



Danger !

Always ensure that the handlebar is securely fastened. A loose handlebar can cause the child to fall off.

✧ **To adjust the handlebar height/stem clamp**



The height of the handlebar is determined by the insertion depth of the stem. Please note the minimum insertion depth of the stem, which is marked by an engraved line “min. Insertion” on the stem. The “minimum insertion” line must not be visible.

1 Remove the safety pad from the handlebar and undo the Hexagon bolt.



2 Adjust the handlebar to the required height. The “min. Insertion” mark on the tube must not be visible.

3 Align the handlebar so that it is perpendicular to the front wheel.

4 Tighten the Hexagon bolt. (Tightening torque 10-15 Nm)

5 Fit the safety pad.



Danger !

If the stem is not properly secured your child may fall off and injure him/herself.

8 Fitting the pedals

If you position and screw in the pedals at an angle, you might destroy the thread in the crank arm.



Danger !

If a pedal is screwed in incorrectly, it may shear and drop off, whilst the child is riding the Rennrad.

1 Screw the pedal marked “R” into the right-hand crank (on the chain wheel side) clockwise (right-hand thread).

2 Screw the pedal marked “L” into the left-hand crank anti-clockwise (left-hand thread).

9 Fitting the drive unit

Your Rennrad can quickly be turned from a running bike into a “proper” bike with suitable tools and a little technical skill. If you are not confident in completing this work, contact a bicycle dealer.



Danger !

If the drive unit and chain guard are not fitted correctly your child might fall off and/or get injured.



When the drive unit is fitted, the saddle can no longer be moved to its lowest position.



-Mounting 1 is for push-along mode

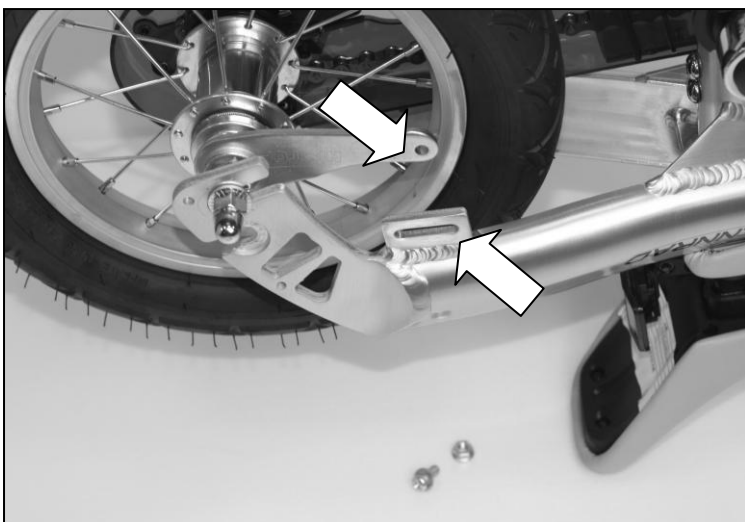
-Mounting 2 is for cycling mode

1. If the saddle is in its lowest position, you must adjust the saddle height by approx. 5cm before fitting the drive unit (see page 26).

2. Place the bike on its handlebar and saddle.
3. Remove the plastic cover.



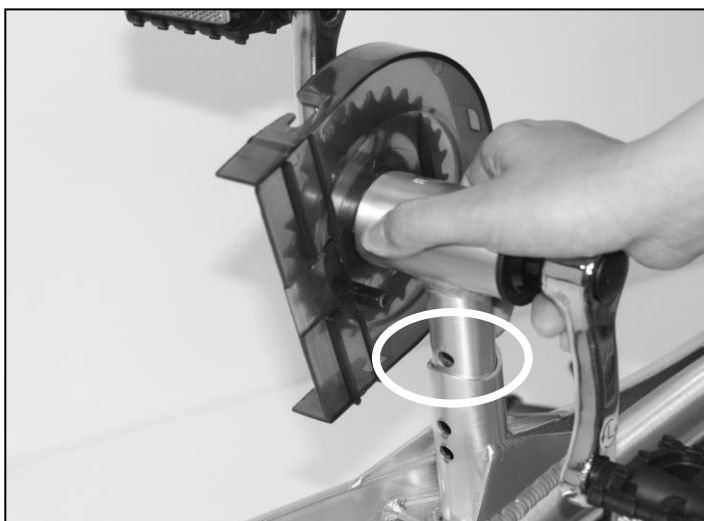
4. Remove the bolts of the brake torque arm.



5. Undo the two axle nuts and remove the rear wheel from the mounting.



6. Place the shaft of the drive unit into the mounting on the frame, so that the chain wheel is on the left-hand side.



7. Secure the drive unit using the Allen bolts and nuts supplied.



Danger !

Tighten the Allen bolts and nuts tightly (8-10 Nm). It must not be possible to move the drive unit in the mounting. An improperly mounted drive unit may fall out of the mounting while your child is riding.



The Allen bolts are coated with a screw locking agent (blue adhesive). If you fit the drive unit for a second time, the Allen bolts must be recoated with a screw locking agent. It prevents screws and bolts coming undone by themselves. You can get Loctite 243 screw locking agent from a bicycle dealer.

8. Remove the axle nut and washer and screw off the protective cap from the rear sprocket.



9. Place the chain around the chain wheel in the drive unit and around the rear wheel sprocket. Fit the rear wheel back into its mounting. Do not tighten the nuts yet.



10. The chain guard is made up of three elements (one is already fitted to the drive unit).

Push the rear element and its guide between the frame and the counter nut on the hub axle.

Please mount the rubber cap, like shown on the photo, on the guide of the chain guard.



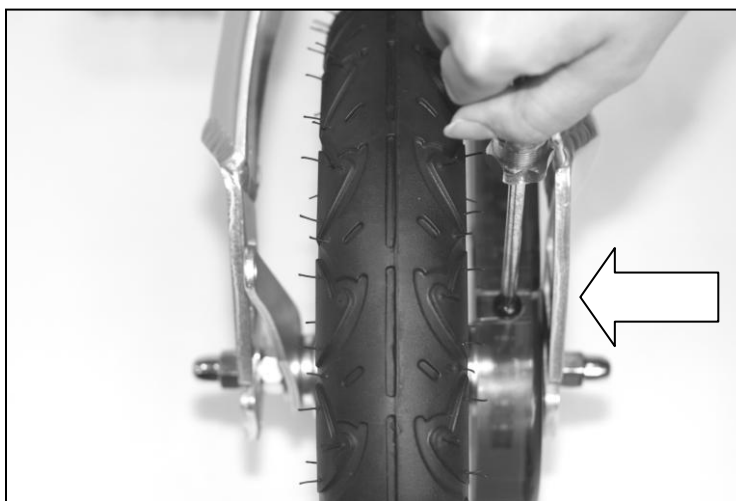
11. Remove the Philips screw from the chain guard. Push the front element over the crank arm onto the chain guard holder and secure it at three points.



12. Connect the two chain guard elements until you hear a click. Do not use much force. This could damage the chain guard.



13. Turn the Rennrad upright onto its tires and secure the two chain guard elements with the Philips screw you removed earlier.



14. Secure the brake mount torque arm back on the frame. Do not tighten the screw yet.



15. Tension the chain by pulling back the rear wheel. It should be possible to move the chain approx. 10mm up- and downwards.

16. Tighten the two axle nuts and check that the chain is correctly tensioned and that the rear wheel is at a uniform distance from the frame on both sides. (Tightening torque 10-20 Nm)



17. Now tighten the bolt to secure the brake mount to the frame.



The coaster brake works when child step on pedal with backward direction.

9.1 How to assembling kickstand (Renrad 14",16"&new18")

Cycling mode

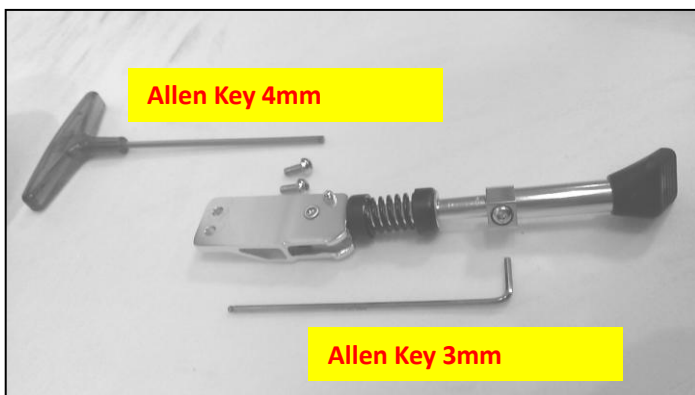
Contents:

1. Kickstand*1 pcs
2. Screws*2 pcs (M5x12mm)



Assembly Tools:

1. Allen Key 4mm*1 pcs
2. Allen Key 3mm*1 pcs



Step 1: To assemble kickstand onto frame

(Using Allen Key 4mm, tightening torque 15 Nm)



Step 2: Can adjust the length of kickstand by tool Allen Key 3mm.

(show on below)



★ Push Bike Mode



Danger !

Please take off the kickstand! The kickstand may injure your child when the bike is on pushbike mode.

9.2 How to assembling kickstand (Rennrad 18")

Cycling mode

Contents:

1. Kickstand*1 pcs
2. Screws*1 pcs (12mm)
3. Nut*1 pcs (13mm)
4. Washer* 1 pcs



Assembly Tools:

1. Wrench 12mm*1 pcs
2. Wrench 13mm*1 pcs
3. Wrench 15mm*1 pcs

Step 1: Undo the axle nut & remove it on left-hand of frame
(Using Wrench 15mm)



Step 2: Attach the kickstand.



Step 3: Install



Step 4: finished



1. Install the screw (12mm) with washer & nut (13mm) through the kickstand.
2. Tighten the nut (12mm), (Tightening torque 15 Nm) & axle nut (15mm), (Tightening torque 30 Nm).

★ Push Bike Mode



Danger !

Please take off the kickstand! The kickstand may injure your child when the bike is on pushbike mode.

10 Maintenance

1. Check that the brakes work. The brake surfaces must be clean (free from grease) and must be in their designated positions (see the separate instructions with the cantilever brake).
2. Check that the screwed connections are tight. When replacing the rim brake block linings you must make sure that they are compatible with the rim (aluminium/alloy), since the correct operation of the brake will not be guaranteed otherwise.
3. Pay special attention that the handlebar and the saddle are secure and cannot be rotated !
4. Check the chain tension and tighten the chain if necessary (by undoing the rear wheel, aligning and securing the wheel again).
5. Check the tire pressure (the prescribed pressure is indicated on the sides of the tires).
6. Damaged or deformed parts must not be repaired, but must be replaced immediately. Original spare parts can be obtained via your dealer.
7. For normal using, lubrication is unnecessary but please use grease if chain is rusty.
8. Wear parts : Tires (incl. inner tubes), wheels, brake cable,

brake block linings, chain, sprockets, handlebar grips. All maintenance work requires expert knowledge, so please consult your local bicycle shop.


11 Warranty for defects

The legal warranty for defects is applicable. Damage caused by inappropriate use, effects of force, insufficient maintenance or normal wear and tear are not covered by the warranty for defects.



MOBILITY FOR KIDS AND YOUNGSTERS

International Warranty

 Date of purchase:

A large, empty rounded rectangular box with a thick black border, intended for the user to write the date of purchase.

 Dealer, stamp and signature:

A large, empty rounded rectangular box with a thick black border, intended for the user to provide dealer information, a stamp, and a signature.

www.rennradkids.com

contact@rennradkids.com