

User manual



vanraam
Let's all cycle

Fun2Go



Funtrain



Combination Fun2Go with Funtrain



Van Raam BV
Aaltenseweg 56
7051 CM Varsseveld
Netherlands

Version 14.10

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Contact details manufacturer

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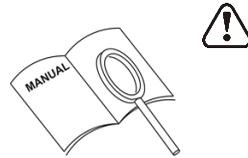
Tel. : +31 (0)315 257370
E-mail : info@vanraam.com
Internet : www.vanraam.com

Conformity

Van Raam declares as manufacturer that the Fun-2-Go bicycle has been produced in accordance with the 93/42/EEG guidelines.

Introduction

This user manual gives important and necessary information about the use of your bicycle. We ask you to go through the manual thoroughly before using the bicycle.



**READ
THOROUGHLY!**

Delivery

- bicycle with possible packaging
- user manual(s)
- possible charger(s), depending on options
- sparekey(s)

Intended usage

The bicycle is designed for normal use on level and solid ground. The usual bicycle caution should always be taken into consideration. At the same time all safety instructions as described in this manual should be complied with explicitly. Also the local traffic rules should always be complied with.

All other use, including damage or physical injuries due to this, are not the manufacturer's responsibility.

Safety measures

- Ensure the bicycle is in good condition each time before using it. Check before **each** ride that the brakes are in order. Check the lighting and make sure there is enough tyre pressure.
- Regularly check whether the wheels, the handlebar and the saddle are securely fastened and also whether all screw joints are tight.
- Only use the bicycle on a **solid and level surface**.
- Make sure that wide trousers or loose hanging clothing don't get caught in the chain, spokes or pedals.
- Do not use a pressure washer or a steam cleaner for the cleaning of the bicycle.
- Use the parking brake if (one of) the drivers get on or off the bike.
- If children or people with limited mental perception join the bike ride, there should **always** be a responsible supervising person as the main driver of the bike. This main driver is always responsible for the safe use of the bike.
- In case that the bicycle is equipped with the Silent electric motor system, make sure that you get used to riding with electric support. Beware when you turn on the system and make sure you don't get startled by unexpected behaviour because you turned on the electric support.
- Make sure that no dangerous speed develops when driving downhill and entering tunnels. Brake on time and don't ride faster than 30 kilometres per hour.

Load

The maximum load should not be exceeded. See information in the index of technical details on page 24. By permitted load we mean the total load, including the load in the basket.

Make sure that the permitted basket weight is not exceeded. People are not to be transported in the basket!

Damaged or worn out parts

The replacement and repair of parts (frame, forks, lights, brakes, drive mechanism and the handle bars) should **always** be performed by a dealer. If not, the guarantee ceases to be valid and you will be personally responsible in the event of possible damage.



Specific safety parts should **always** be replaced by new parts!

Delivery inspection

Check the delivery immediately after receiving it. In case of damage or incomplete delivery we ask you to contact your dealer immediately.

Adjustment of the bicycle

Before using the bicycle, adjust it to the measurements of the 2 cyclists. This is of great importance, especially the seats and the handlebars.

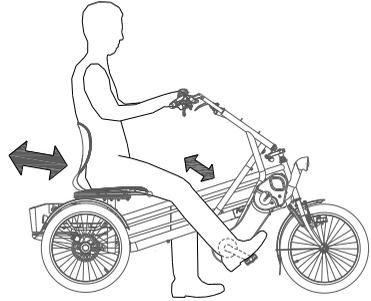


If an optimal adjustment of the bicycle, as defined in the instructions, is not possible for the cyclists, you can contact your dealer for a fitting solution.

The brakes are correctly adjusted as standard and can only be adjusted by the dealer during periodic maintenance.

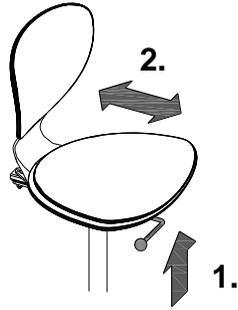
Seat position

The seat position is correctly adjusted when the cyclist is sitting on the bicycle and puts a foot on the pedal in the furthest position. Adjust the seat in such a way that the leg is stretched but still relaxed.



To adjust the seat:

1. Pull the handle up.
2. Move the seat to the correct position and release the handle.

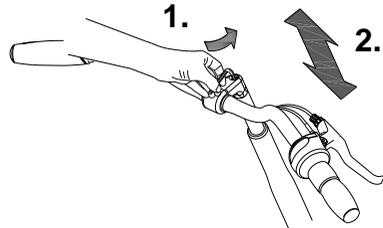


Handle bar height

The height of the handle bars affects the comfort of the ride. It determines the pressure on the hands and the position of the back. Determine your own most comfortable height by using the bike.

To adjust the handle bars:

1. Slightly loosen the screw by using an Allen key.
2. Slide the handle bars to the correct height and tighten the screw very firmly again.



Do **not** pull out the handle bars **further** than the mark. Otherwise the tube will not be deep enough in the shaft and will risk coming off, which can lead to serious injuries.

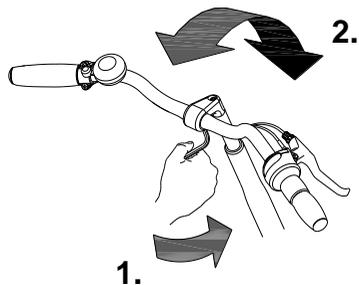


Position handle bars

You can tilt the handle bars. This influences the distance from the handle bars to the upper body. Determine your own most comfortable position by using the bike.

To tilt the handle bars:

1. Slightly loosen the screw with an Allen key.
2. Put the handle bars in the desired position and then tighten the screw very firmly again.

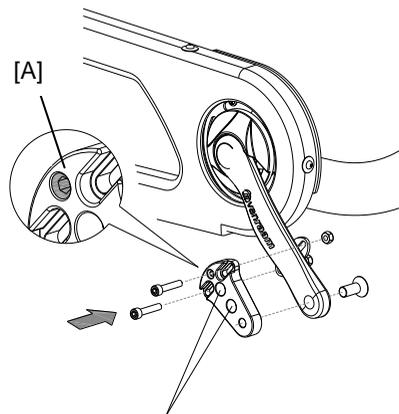


Accessories

Depending on your order, you can use the accessories as described below.

Crank shortener

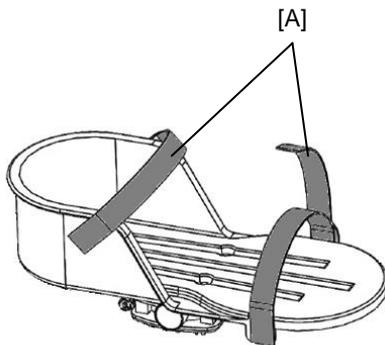
The crank shortener is fitted to the crank, as illustrated. The pedal can then be fitted into the crank shortener at two positions. With the socketed screw (A) the crank shortener should be aligned with the crank.



2 assembly points pedal

Foot support

The foot support is fitted to the pedal with a balance block.

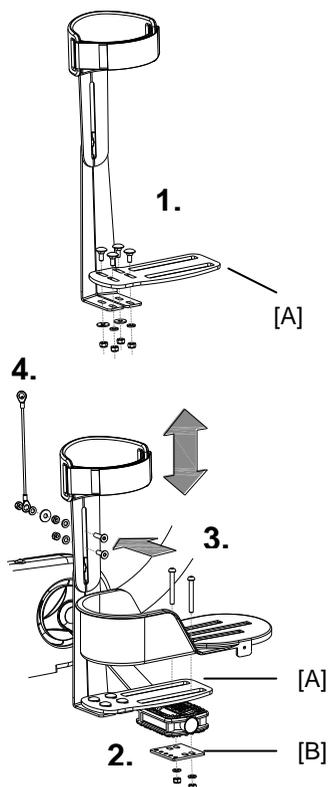


Lower leg support

To fit the lower leg support:

1. First fit the lower leg support to the metal plate (A).
2. The lower leg support is then fitted to the foot support. Make sure that plate (B) is under the pedal and plate (A) is between the pedal and the foot support.
3. Adjust the height of the lower leg support in such a way that it matches the lower leg of the cyclist.
4. Fit the elastic to a point on the frame, so that the lower leg support stays upright in stationary position. Determine by yourself which point is best.

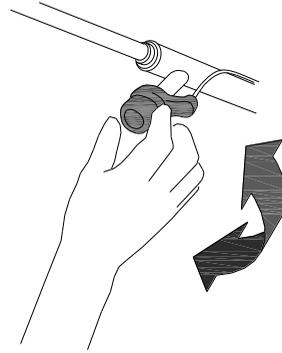
Use the Velcro to secure the lower leg.



Speed hub co-driver

The main driver can adjust the co-biking of the co-driver with the speed hub. There are three positions:

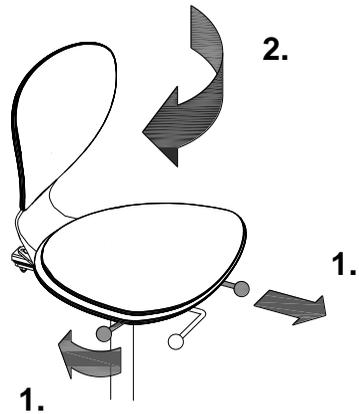
1. The pedals of the co-driver move independently of the pedals of the main driver. The pedals move free and the co-driver can not cycle.
2. The pedals of the co-driver move independently from the pedals of the main driver. The co-driver can cycle also.
3. The pedals of the co-driver are moving together with the pedals of the main driver. The co-driver has to cycle also.



Rotating seat

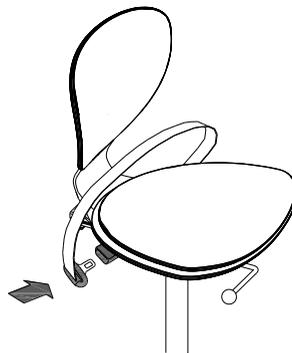
To rotate the seat:

1. Pull the handle to the front and rotate the seat. The seat locks itself.
2. Pull the handle again to rotate the seat back. The seat locks itself again.



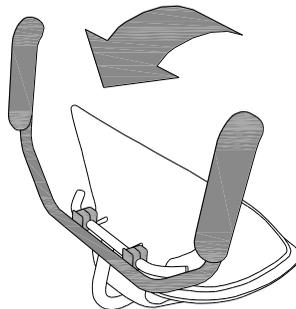
Lap belt of the co-driver

Wrap the belt around the body and buckle it. Push the red button to unfasten the belt again.



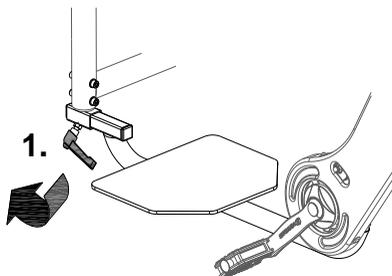
Armrests

The armrests can be switched upwards.



Footrest

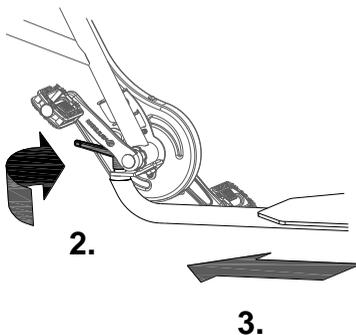
The footrest is mounted on the adapter.



The adapter can be removed from the bike frame. To do this:

1. Slightly loosen the handle behind the footrest.
2. Slightly loosen the handle at the crank.
3. Slide the clamp out of the bike frame.

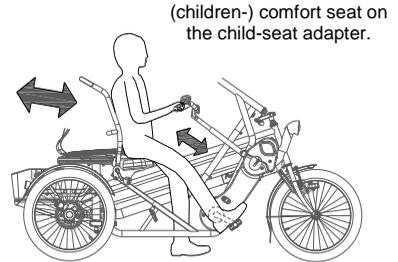
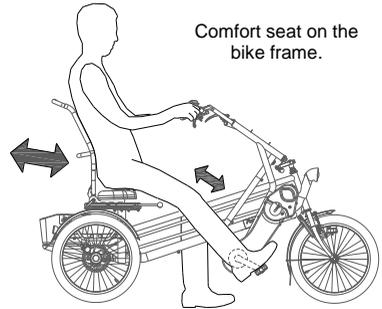
To assemble the adapter again, follow these steps in reverse order.



Comfort seat and children-comfort seat

Depending on your order, the comfort seat is mounted on the bike frame or on the child-seat adapter.

To adjust the position of the seat correctly, the driver puts a foot on the pedals at the furthest position. Adjust the position in such a way that the leg is stretched but still relaxed.

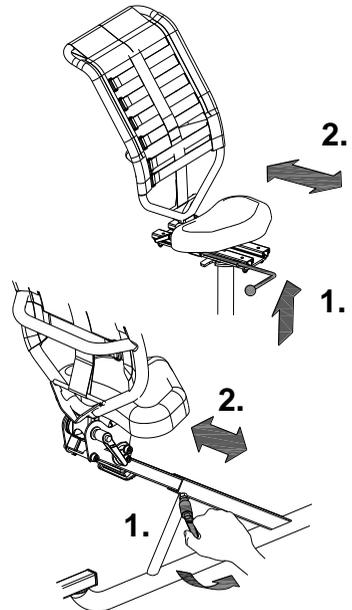


To adjust the seat on the bike frame:

1. Pull the handle up.
2. Move the seat to the required position and release the handle.

To adjust the seat on the adapter:

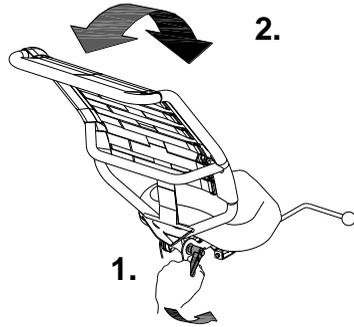
1. Slightly loosen the grip handle.
2. Bring the seat in the required position.
3. Tighten the grip handle again.



Position backrest comfort seat

The backrest can be adjusted to the desired position. To do this:

1. Loosen the wing nut slightly.
2. Put the backrest in the desired position.
3. Tighten the wing nut again.

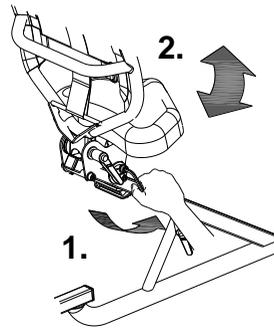


Position backrest comfort seat

(only seat on child-seat adapter)

The back rest can be adjusted to the desired position. To do this:

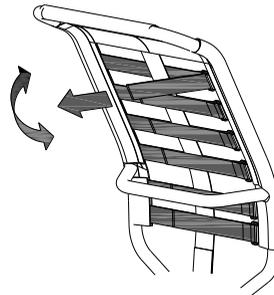
1. Slightly loosen the screw with an Allen key.
2. Put the backrest in the desired position and then tighten the screw again.



Firmness backrest comfort seat

To adjust the backrest to a looser or tighter position:

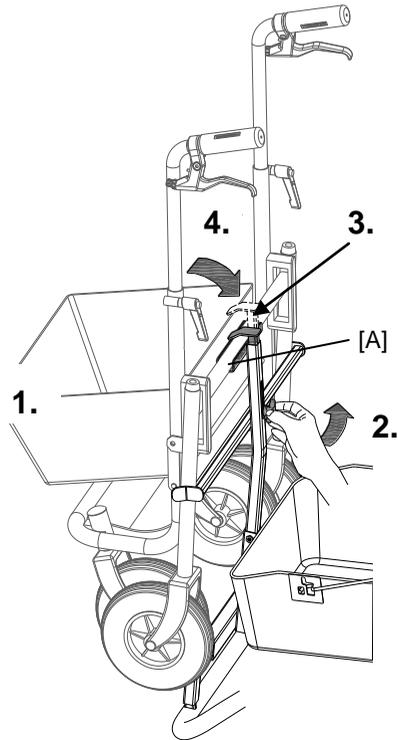
1. Open the straps by loosening the Velcro.
2. Tighten the straps or loosen them.
3. Fasten the Velcro again.



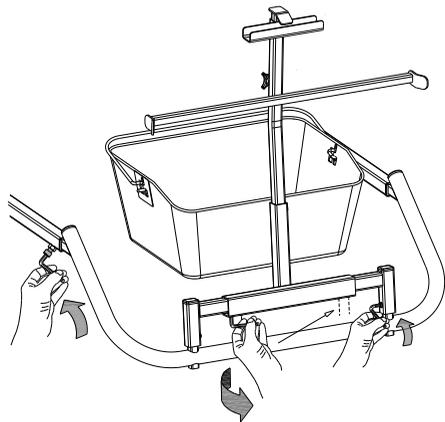
Transporting a walker

To firmly attach a walker to the back of the bike:

1. If possible, fold in the walker.
2. Loosen the star knob.
3. Pull the clamp up.
4. Place the walker with the upper bar in the bracket [A].
5. Pull the clamp [3] down so that the upper bar is closed in. Tighten the star knob again.



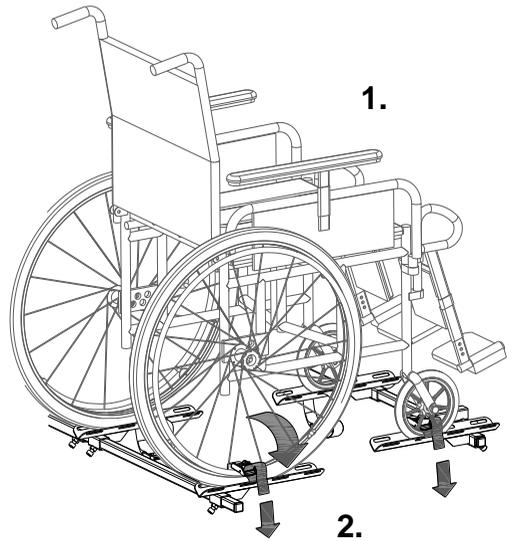
To disassemble the rack, all screws can be loosened with an Allan key. Once they are loosened, all the pipes can be taken out of the frame.



Wheelchair carrier

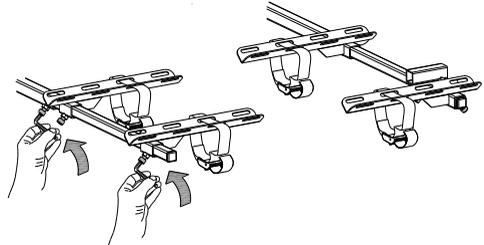
To attach the wheelchair on the back of the bike:

1. Place the wheelchair on the supports.
2. Wrap the belts around the tires and then through the buckle. Next, tighten the belts thoroughly.

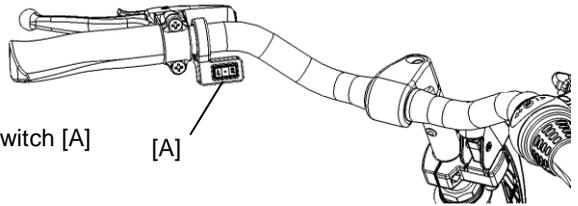


Loosen the screws with an Allen key to adjust the supports.

Loosen the screws with an Allen key to remove the rack. When loosened, the rods can be pulled out of the bike frame.

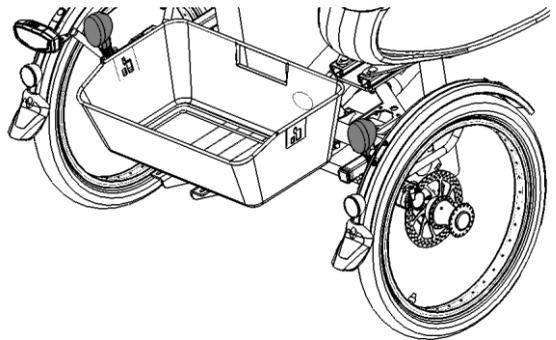
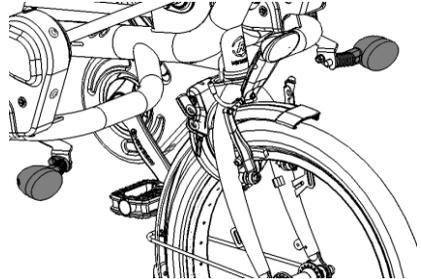


Flashing light system



To use the flashing lights press the switch [A] to the left or right.

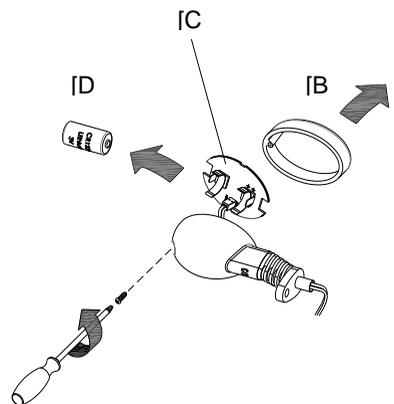
If you want to switch off the flashing light system, put the switch in the middle position.



The lights work on a battery.

To replace the batteries, turn the screw on the cap and take the orange cap [B] away. Then remove the PCB [C] from the holder. You can now replace the battery [D].

This is a 3-volt lithium battery, CR123A.



Silent Electric motorsystem

The electric system has the following functions:

- Pedal assistance while cycling
- Start assist
- Backwards pedalling with assistance

Press the on/off button to turn on the system. After the system is turned on, the electric motor is active in level 1.

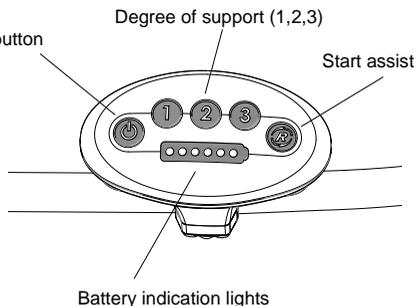
Level 1 provides light support. Level 3 provides optimum support. You can change the level while cycling.

The Silent electric motor has a start assist. This allows the driver to accelerate without pedalling up to a speed of 5 km/h. To accelerate, press the start assist button and keep it pressed down. The motor is activated after a couple of seconds.

The reverse mode is activated by pedalling back from a standing position. Within a few seconds the motor is activated and the tricycle cycles at a speed of about 3KM/h backwards when you start to pedal backwards.



Do not be startled by an unexpected reaction of the electric system. If you e.g. wait for the traffic light and you play with the pedals by moving them backwards the reverse mode is activated and the tricycle cycles backwards.



With the on/off button, you can turn off the system. When the system is not used, it will automatically turn off after a certain time.

You can see the battery level at the indication lights at the coloured display. If only the red light is on, the battery is almost empty and needs to be recharged or replaced by a (new) fully charged battery.

When the last red light flashes, the battery is empty and the engine will not support you any longer while cycling.



When you push the bicycle, turn off the motor.



When the motor is not used for several days, the battery switches into the sleeping mode. This to protect the batteries. To activate it, you must connect the battery to the charger for a few seconds or cycle the bike forwards and push the on/off button to activate the system.

Charging the Battery:

For the best performance and to prolong the life of the battery, we recommend that you charge the battery at home at room temperature.

To charge the battery:

1. Open the little lock by turning the key a quarter (to the right).
2. Push down the lock while pulling the battery with your other hand.
3. Take the battery pack into the house. Plug the charger into the plug contact of the battery.
4. Connect the charger plug into the socket. Turn the switch [A] 'on'. A green LED light on the charger will start to blink fast.



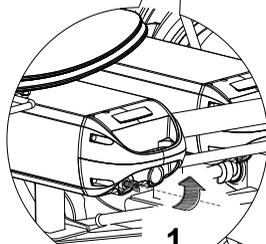
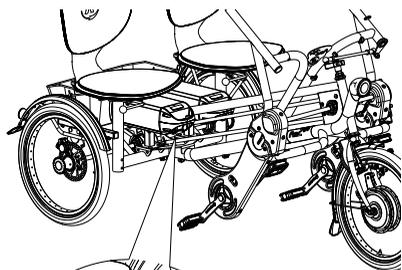
Beware! If the battery is not connected properly, the green LED light blinks fast.

5. Depending on the battery level, the charging time is about 4 hours. If the green LED light stays on, the battery is fully charged.
6. Once the battery is charged, pull the plug from the socket first or turn the switch.
7. Then pull the connector from the battery.
8. Put the battery back in the holder of the cycle and close the lock.

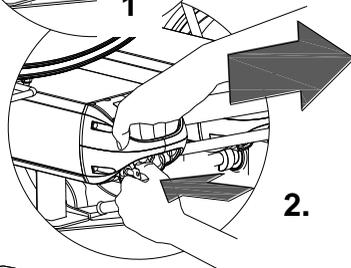
It is also possible to charge the battery while it is still in the holder.



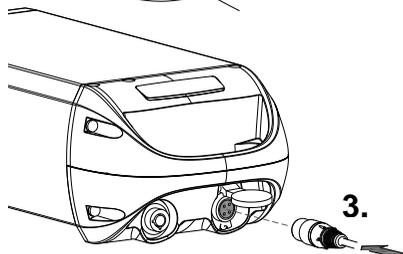
When charging the battery, first connect the charging point and then insert the plug into the socket! After being charged, first disconnect the socket and only then remove the charger from the tricycle!



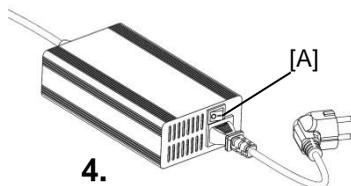
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2.



3.



4.



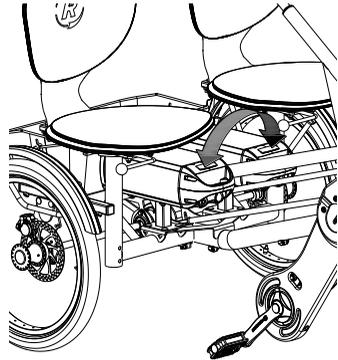
If a red LED light on the charger starts blinking, remove the plug from the socket and don't use the charger any more. Contact your dealer.

Backup battery (optional)

The bike can be supplied with a second battery. When the connected battery is empty, switch the two batteries.

If desired, you can leave the second battery of the bike to charge when you are using the other.

One of the battery holders is connected to the system, you can recognize this one because of the connected cables.



Keep in mind that your bike provides less support when it's cold (-10°C and less) and the battery will discharge faster. Charging also takes more time at lower temperatures.



The action radius depends on a lot of different factors and is strongly influenced by: capacity and voltage of the battery, degree of support that is used, temperature, wind speed, tyre pressure, cycling speed, weight of the user and the luggage, use of gearing etcetera.

Charging and maintenance tips for the battery



Every battery discharges automatically over time. This process is called self-discharge. A battery that is empty and not charged, will self-discharge and within two months will be deep discharged. The battery can be permanently damaged during this process. In case of deep discharge, the warranty will be voided.

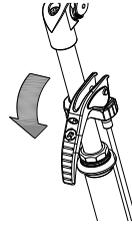
Beware:

- Never stall the bike with an empty battery. We advise to charge the battery as soon as possible when it's totally empty.
- Only charge the battery with the supplied charger!
- Make sure that the battery is not charged at a temperature lower than 5°C. We advise to charge the battery at room temperature.
- Only use the charger in non-humid indoor environments, the charger may *not* get wet.
- Charge the battery until the green LED light on the charger continues to stay on.
- The battery housing and charger housing may never be opened! When there is a problem, contact your dealer.
- Don't charge the battery in full sunshine.
- Don't drop the battery, this can cause damage.

Before the first use

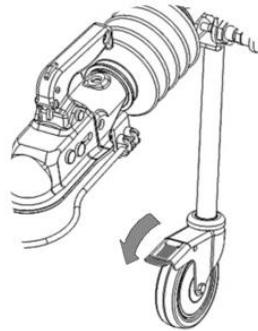
Parking brake (Fun2Go)

Always use the parking brake if you park the bicycle and leave it.



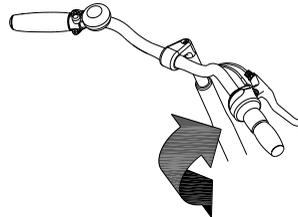
Parking brake (Funtrain)

Always use the parking brake on the caster wheel if you park the bicycle and leave it.



Gears (Fun2Go)

Standard the bicycle has 8 gears. The gears are used by turning the grip. **Do not use the pedals** when turning the grip.



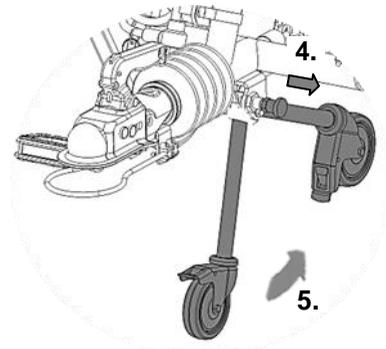
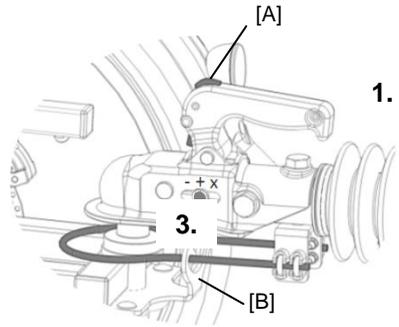
Couple the Funtrain

1. Push the locking button [A] on top of the handle, lift the handle of the trailer coupler and place the trailer coupler over the towing ball.



Please verify that the safety cable is positioned around the towing ball.

2. Hook the safety cable underneath the bracket [B] as pictured.
3. The trailer coupler is fitted right when the indication indicated the “+” sign.
4. Ensure the support wheel is folded after connecting. Unlock the locking bolt by pulling it out.
5. Move the support wheel to the folded position until you hear a ‘click’ when the locking bolt locks itself again.

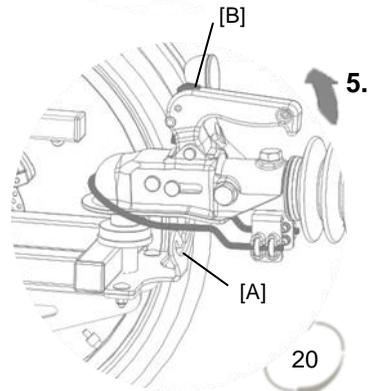
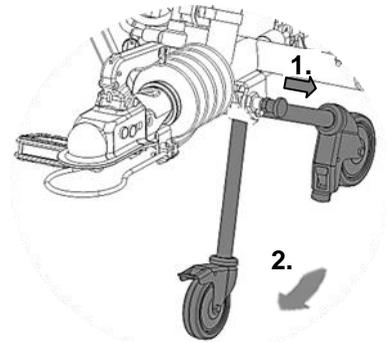


Uncouple the Funtrain

1. Unfold the support wheel. Unlock the locking bolt by pulling it out.
2. Move the support wheel to the unfolded position until you hear a ‘click’ when the locking bolt locks itself again.
3. Loosen the safety cable from the bracket [A].
4. Push the locking button [B] on top of the handle.
5. Lift the handle of the trailer coupler and lift the trailer coupler from the towing ball.



Beware that the safety cable comes off the towing ball together with the trailer coupler.



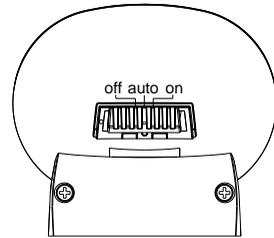
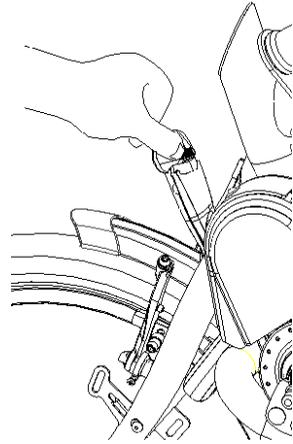
Lights

Headlight

The headlight has a switch (sliding switch) with 3 positions: **Off- Auto-On**.

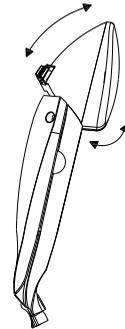
The headlight can be manually switched on or off with the “On/Off” position.

In the “Auto” position, the headlight turns on or off automatically with the help of light & movement sensors. When the bicycle stands still for a while, the light will automatically turn off.



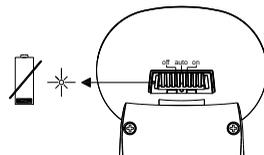
Adjusting the headlight

Set the angle of the headlight such that the centre of the light beam falls approximately 10 m ahead of the bike.

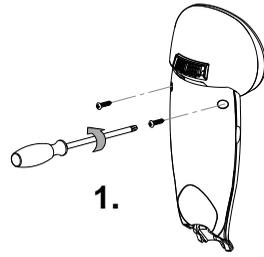


Replacing batteries

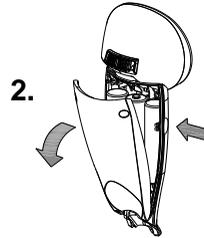
The headlight works on batteries. When the batteries are almost empty, a red LED light flashes on the headlight. Follow the next steps to replace the batteries.



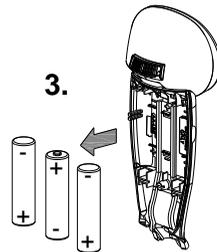
1. Remove the 2 screws at the back of the front light.



2. Dismantle the rear cover by pressing with the thumb and index finger at the cavity on both sides of the front cover and pulling the rear cover back.



3. Replace the alkaline batteries (1.5 V - 1500 mA) and assemble the rear cover.



Rear light

The rear light has three options which you can choose by pressing the button repeatedly: **On- Auto- Off**.

The setting is as follows:

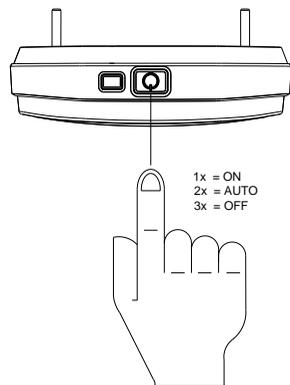
Press 1x: light is on

Press 2x: lighting is automatic

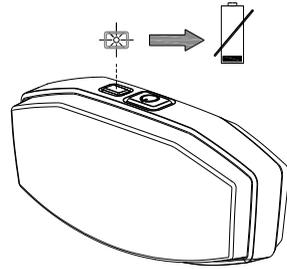
Press 3x: light is off

With the "On" or "Off" mode, the rear light can be manually switched on and off.

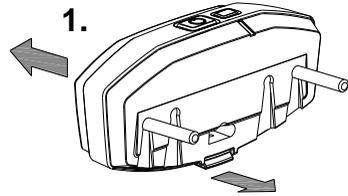
With the "Automatic" mode the rear light automatically turns on and off with the help of light- and movement sensors. When the bicycle stands still for a while, the light will automatically turn off.



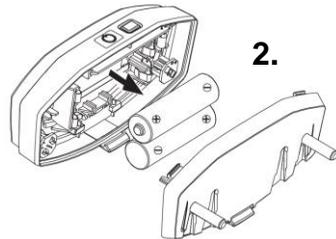
The rear light works on batteries. When the batteries are almost empty, a red LED light on the top starts flashing. To replace the batteries, follow the next steps:



1. Dismantle the cover of the holder by pressing in the lip at the bottom of the light.



2. Replace the alkaline batteries (1,5 V - 1500 mA) and assemble the cover.



*Batteries cause environmental pollution.
Follow the local regulations
during disposal.*

Check before every ride:

- the brakes (including the parking brakes)
- the tyre pressure
- the lighting
- that all parts are fitted properly

Contact your dealer and do not use your bicycle if you identify any irregularities!

As with all mechanical parts, the bicycle is subject to wear and tear and high loading. If a component fails, it can lead to very dangerous situations. This can lead to damage or injuries to the user of the bicycle. Any form of tearing, scratching or changing of colour is an indication that the part should be replaced.

Important safety points for the cyclist

- Go very carefully during the first ride.
- When riding the bicycle hold both hands firmly on the handle bars and feet on the pedals.
- Test the riding style of the bicycle on rough ground at moderate speed. This way the cyclist learns how to react to unexpected movements of the bicycle and the handle bars during use.
- Small obstacles should be cycled over with appropriate speed.
- Obstacles higher than 5 cm should be avoided.

Technical details

	Fun2Go	Funtrain
Length (cm)	200	197
Width (cm)	113 (including armrest)	113 (including armrest)
Front wheel	20"	-
Rear wheel	20"	20"
Weight (kg)	From 50	From 50
Max. load basket (kg)	20	20
Max. user weight (kg)	120 p.p.	120 p.p.
Brakes, front	Cantilever brakes	-
Brakes, rear	Disk brakes	Disk brakes

Maintenance and adjustments to be done by owner

Below you can find the instructions for maintenance and adjustments that you can do yourself on a regular basis, which will keep your bicycle in top condition.

Cleaning

The frame of the bicycle can be cleaned with a damp cloth. For areas that are dirtier you can use a mild detergent. The wheels can be cleaned with a damp brush with plastic hairs (not a wire brush!) The grips and the seats (except the upholstery) can be cleaned with mild soap and water.



Do not use a pressure washer or a steam cleaner!

Cleaning the upholstery of the seats

The upholstery and the back rest of the seats are removable and can be cleaned. You can wash them in the washing machine at 40°C maximum.

Inspection of the bicycle

After 200 kilometres or after a period of 2 months the bicycle should be inspected. Check the brakes, the lights and the spokes. Also check the tyre tread depth. This should be at least 1 mm. Worn out tyres or possible faulty parts should be replaced.

Also check the parking brake. With the parking brake pulled up, the bicycle should not ride away with the cyclist.

Checking the rim

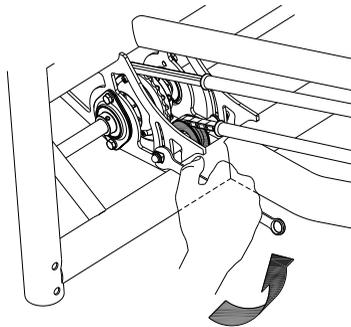
Due to the combined action of the brake and the rims, not only the brake lining but also the condition of the rim is important. For this reason the rim should be checked at regular intervals, for example when you inflate the tyres. The presence of fine cracks in the spoke punches or deformation of the rim when there is higher air pressure, indicate more serious wear and tear. In that case the rim should be replaced, because it can lead to loss of brake function or even a crack in the rim, which can lead to all kinds of dangerous consequences.

The correct tension of the chains

There are three chains on the bicycle. The chains should not be too tight. They should hang loose. Without effort you should be able to move the chain up and down, half a centimetre approximately.

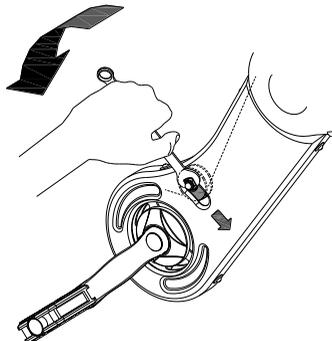
To keep the tension of the central chain correct, a special tensioning wheel is fitted by the back axis of the bicycle, as an integrated chain tensioner. To adjust the tension of the chain:

1. Slightly loosen the screw. Hold the nut at the back tight with a socket wrench to stop the screw from slipping.
2. Shift the tensioning wheel in such a way that the chain hangs loose, as described above.
3. Tighten the screw again.



To keep the tension of the two chains at the front correct, you can adjust the special tension wheels by the pedal axes. To do this:

1. Slightly loosen the screw. Hold the nut at the back tight with a socket wrench to stop the screw from slipping.
2. Shift the tensioning wheel in such a way that the chain hangs loose, as described above.
3. Tighten the screw again.



The right lubricant

The chain should be cleaned and maintained at regular intervals (every 3 months approximately). Only use special chain grease or Teflon spray. This is the only way to make sure that the chain will run smoothly, will stay water resistant and will not rust. Wipe the chain with a cloth, treat it with grease or spray and remove any excess lubricant with a rag.

Other parts should not be treated with a lubricant.

Repairs and maintenance to be done by dealer

It is recommended that the bicycle has a yearly inspection carried out by the dealer. In the event of technical trouble or faults, the bicycle should be taken to the dealer for repairs **immediately**.

The replacing of safety-related components (especially frame, brakes, lights, handle bars, front fork and actuation) should be performed by the dealer.

If you still decide you want to replace components yourself, you are responsible for damage or harm due to incorrectly fitted components.

Only use **original** spare parts, which you can buy at you dealer. If requested the dealer will make the necessary information on repair and maintenance available.

Disposal

If you want to dispose your bicycle, contact your dealer. You can also contact the local waste disposal company. They will dispose the bicycle according to the regulations of your town.

Handover/sale to a new owner

When you hand over your bicycle to a new owner it is important that you also hand over all necessary technical documentation so that the new owner can use the bicycle safely.

Guarantee

The guarantee is valid for all faults in the product, which are proven to be caused by material or manufacturing error.

For our bicycles we give a guarantee of 5 years on the frame and the front fork. For the paint, all accessories and other parts (except wear parts) we provide a 2 year guarantee, as legally regulated.

Beware!

The guarantee as well as the product liability in general expires if the instructions stated in this manual are not followed. This is also the case if unauthorized maintenance is carried out or if technical changes or additions are made without permission of Van Raam.

Frame number

The frame number is printed on the sticker. This sticker is located on the frame, see the image below.

Example sticker:



Position of sticker:

On top of the frame tube



Date	. . . -
Manufacturer	Van Raam
Type of bicycle	Fun2Go
Frame number	
Key number	