QUAD G1
CONSTRUCTION MANUAL

4-14 YEARS

Length  104 - 168 cm / 41 - 57 inch
Max weight  70 kg / 153 lbs
Time to build  6 hours
Before you start constructing and use our product, please carefully read the following safety warning and download our manual from our website. This safety warning and manual contains important information relating to your child's safety. It is your responsibility to review this information with your child and make sure they are fully aware of all the warnings before they start riding. Failure to follow instructions and safety precautions can result in serious injury or death.

You can find a digital copy of the manual at the following web address:

www.infentorides.com

PLEASE PRINT OUT THE MANUAL AND KEEP THE MANUAL AND THIS SAFETY WARNING IN A SAFE LOCATION FOR FUTURE REFERENCE.
SAFETY SECTION

WARNING! PARENTAL SUPERVISION AND APPROPRIATE USE

Like any moving product, rides made from Infento parts can be dangerous if due care and attention is not paid. To reduce the risk of serious injury: use only under close adult supervision. Parents must review the following warnings and instructions with each Infento ride that is being build. It is your responsibility to review this information and make sure that all riders understand all warnings, cautions, instructions and safety topics, and assure that young riders are able to safely and responsibly use this product. Infento recommends that you periodically review and reinforce the information in this manual with younger riders, and that you inspect and maintain your child’s Infento rides to insure their safety.

WARNING! RIDING ON INFENTO RIDES CAN BE A DANGEROUS ACTIVITY

Riding on Infento rides can be a dangerous activity. Certain conditions may cause the equipment to fail without fault of the manufacturer. Rides made from Infento parts can and are intended to move, and it is therefore possible to fail control, fall off and/or get into dangerous situations that no amount of care, instruction or expertise can eliminate. If such things occur you can be seriously injured or die, even when using safety equipment and other precautions. Ride at your own risk and use common sense.

WARNING! NO LIABILITY FOR CONSTRUCTED RIDES THAT DIFFER FROM OUR MANUALS

The rides that you can find in our manuals have been tested by official independent testing agencies. We will not be responsible or liable, directly or indirectly, in any way for any loss or damage of any kind incurred as a result of your decision to build constructions or rides that differ from the official rides that we show in our manuals.

ASSEMBLY – SUBSECTION

WARNING! OUR KITS CONTAIN SMALL PARTS

This package contains small parts which, before assembly, present a choking hazard to children under the age of three. Care should be taken during unpacking and assembly to insure that all small parts and plastic bags are accounted for and kept out of the reach of children.

WARNING! TO AVOID SERIOUS INJURY:

1. Toys are to be assembled by an adult using Infento manuals.
2. All fasteners (bolts and nuts) should be fully tightened.
3. It is the responsibility of the adult who assembles this bicycle to properly install all parts included in the factory sealed shipping carton and to make the adjustments to the functional parts such as handle bar and seat and chain when necessary.

USE – SUBSECTION

WARNING! TO AVOID SERIOUS INJURY:

1. Continuous adult supervision is required.
2. Only ride constructed rides that have been built according to the instructions given in the official Infento manual.
3. Never exceed the maximum weight. You can find the maximum weight for every specific ride in our manual.
4. Always check the manual to see the minimum and maximum age as well as the minimum and maximum length for every specific ride.
5. Always wear safety equipment such as a helmet, knee pads and elbow pads. We recommend riders always wear a properly fitted helmet that complies with local or national guidelines or laws. Keep chinstrap of helmet securely buckled.
6. Always wear closed toed shoes (lace-up shoes with rubber soles), never ride barefooted or in sandals, and keep shoe laces tied and out of the way of the wheels.
7. Avoid streets and surfaces with water, sand, gravel, dirt, leaves, and other debris. Wet weather impairs traction, braking and visibility.
8. Excessive exposure to sunlight, temperatures below 0 degrees Celsius, water, sand, gravel, dirt, leaves, and other debris can damage, shrink, expand or weaken parts. Keep your ride in a dry environment with proper heating.
9. Avoid sharp bumps, drainage grates and sudden surface changes. Your Infento ride may suddenly stop.
10. Ride on smooth, paved surfaces away from motor vehicles. Wet, slick or uneven and rough surfaces may impair traction and contribute to possible accidents.
11. Never risk damaging surfaces, such as carpet or flooring, by use of an Infento ride indoors.
12. Never use near motor vehicles, streets, roadways, alleys, swimming pool areas, hills, steps, sloped driveways, inclines and public highways.
13. Watch out for pedestrians, skaters, skateboards, scooters, bikes, children or animals who may enter your path, and respect the rights and property of others.
15. Do not use at night or in periods with reduced visibility.
16. Before every use, please make sure that the complete ride and all joints have been assembled tightly, as with use, joints may wear out.
17. Before using your Infento ride, please check that the screws are tightened securely.
18. It’s your own responsibility if you modify the product other than manufacturer’s instructions.
19. Maintain a hold on the handlebars at all times.
20. Brake will get hot from continuous use. Do not touch after braking.
21. Periodically check hardware and tighten if necessary. Replace worn or broken parts immediately.
22. Skill is required to avoid falls or collision causing injury to the user and third parties.
23. Check operation of breaks every time before bicycle is ridden.
24. Check local laws before you start with riding.
25. Never tow wagons, other vehicles, or children on skates or skateboards.
26. Make certain that anyone who uses an Infento ride has been fully instructed in its operation.
27. Instruct your child on how to use the breaks.
28. Do not perform stunts.
29. Never use headphones or a cell phone when riding.
30. Only one rider at a time on an Infento ride.
31. Do not allow children to stand on the product at any time.

FAILURE TO USE COMMON SENSE AND HEED THE ABOVE WARNINGS INCREASES RISK OF SERIOUS INJURY. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.
SAFETY SECTION

OUR KITS CONTAIN SMALL PARTS
This package contains small parts which, before assembly, present a choking hazard to children under the age of three. Care should be taken during unpacking and assembly to insure that all small parts and plastic bags are accounted for and kept out of the reach of children.

QUESTIONS? HELP NEEDED?
You can email us at: support@infentorides.com and our team will assist you as soon as possible.

MAINTENANCE | INSTRUCTION

1. Oil or grease moving parts periodically.
2. Check nuts and bolts often and tighten if necessary.
3. Any parts showing evidence or wear should be replaced immediately.
4. Follow closely the assembly instructions pertaining to the proper adjustments of parts.
5. Periodically check the brake system for proper function.
6. Periodically check the steering mechanism for proper function.
7. Check the air pressure in the tires to be the amount specified in the manual.
8. Periodically check the bicycle’s tooth belt to be sure that it is not too lose which could allow the chain to slip off the sprockets.

RECOMMENDED TOOLS

- 4 x Allen key
  3, 4, 5, 6 mm
- 1 x Tapeline
- 1 x T-handle
  for Allen key
- 5 x Wrench
  10, 13, 14, 15, 19 mm
Tighten the bolts with full force. Ensure that you hold the long side of the Allen key in your hand as this enables you to exert greater force.

Double check here: Does your result looks exactly like the image at the bottom of the page?
TOP 3 REQUIREMENTS MAKING A GREAT INFENTO EXPERIENCE:

1. Tighten bolts with full force (15Nm) to prevent them from coming loose.

2. Constructing and playing always under supervision of an adult.

3. Check frequently if all parts are still firmly tightened and function properly.
When tightening the bolt always check whether the profile nut remains perfectly straight in the slot. If this becomes crooked, you can push against the side of the profile bolt with the Allen key to correct this.

Double check here: Does your result looks exactly like the image at the bottom of the page?
The plastic parts of Infento are made using injection moulding technology where molten plastic is pressed under high pressure into a mould. A mould consists of steel blocks in which a shape is recessed.
NOTE
The profile connector (part A) has the infento word-emblem on it and doubles as a T-joint.

If you have the 560 mm profile in your kit, please skip to the next step. If not, you can construct it using the profile connectors A and B, as shown below.
The plastic parts of Infento are made using injection moulding technology where molten plastic is pressed under high pressure into a mould. A mould consists of steel blocks in which a shape is recessed.

NOTE
Place the profile connector in the same orientation as shown here, then follow step A.
Most nuts that you use for Infento are self-locking. This means that they cannot vibrate loose. On the inside of the bolt you will see a plastic washer that ensures it cannot turn freely, even if there is no tension on the bolt.

NOTE
Place the profile connector in the same orientation as shown here, then follow step B.

If your protect cap has a hole, use a M8x16 countersunk bolt to fasten it.
It is best to tighten the bolt in such a way that you can still move the block and easily determine the right position with a tape measure. After that, you can then tighten the block further and you verify whether the size is correct.
There are two knurled discs. One for each corner ending in a 5 (5-15-25-etc. degrees), which has one stripe round the outside, and one for each corner that ends in a 0 (0-10-20-etc. degrees), which has two stripes round the outside.

Depending on your Kit, the knurled discs can be of a different type, looking like this:

There are two types of knurled discs. Please see education section.
Bolts tightened (without lock nut) in a warm environment can come undone when exposed to a cold environment. One small droplet of lock fluid will prevent this.

Use the Allen key handle so you can tighten the bolt well.
Depending on your Kit, the T-joint might look like this. The new T-joint doubles as a profile connector (part A).
Use the Allen key handle so you can tighten the bolt well.
ride QUAD

A

B

C

7.87” | 200 mm

1.57” | 40 mm

V 1.6
ride QUAD

A

B

C

Bolt M8x20 2x
Multi angle joint 2x
T-Positioning block 4x
Profile nut short 2x

4.72” | 120 mm

6.30” | 160 mm
Brake cable clip 1x
Bearing protection cap Zx
Bolt M8x40 nylock 2x

ride QUAD

- Locknut M8 1x
- Brake caliper holder 1x
- Bolt M8x20 (low head) 2x
- L-joint 1x
- T-Positioning block 2x
- Profile nut short 1x

0.35" | 9 mm
ride QUAD

*steering plate*
*brake caliper*

- 2x Bolt M5x6
- 1x Caliper shield
- 2x Bolt M6x16
- 1x Conical spring washer M6-10
- 1x Brake caliper

*7 inch wheel house*
*caliper shield*

1 mm
ride QUAD

19

Toothed belt 100T 1x
Toothed belt pulley 26T 1x
Axle 1x
25.51 inch | 648 mm

16 inch | 131 mm
to 5.91 inch | 150 mm
21.65 inch | 550 mm
25.51 inch | 648 mm

1x Axle plate
1x Toothed belt pulley 26T
1x 100T Toothed belt
1x y cable 30 cm
Note! The valve points downwards.

Pull the tire over the rim and inflate the tire to max 1.5 bar.
Note!
The valve points downwards.

Pull the tire over the rim and inflate the tire to max 1.5 bar.
Note!
The valve points downwards.

Pull the tire over the rim and inflate the tire to max 1.5 bar.
ride QUAD

- 2x Bolt M8x20
- 2x Wheel lock ring 8-42
- 2x Spacer 0.08inch | 2 mm
- 2x 13 inch free spinning wheel

A

B

C

D

++

(++(low head)

free spinning wheel

13 inch
32 ride QUAD

A

B

C

D

Spacer 0.04 inch | 1 mm 1x
E-pulse adapter 1x
Bolt M6x20 2x
Clamping part 1x
Axle flange 1x

4 mm

4 mm

1 mm

1x

+ + + + +

++

++

 Spacer

E-pulse adapter

Bolt M6x20

Clamping part

Axle flange

+ + + + +

++

++

++

1x
ride QUAD

A

B

C

D

E

F

Belt shield cap 46T 2x
A

B

C

nylon ring

ride QUAD

Belt shield 2x nylon ring
ride QUAD

A

nylon ring

B

C

Belt shield

nylon ring

2x

V.1.6
Tighten this nut later after the steering rod is mounted on the steering arm and steering plate.
ride QUAD

- Nut M8: 8x
- Conical spring washer M8-13: 8x
- Bolt M8x45: 4x

0.08" | 2 mm

2x
ride QUAD

A

B

C

1 mm

V 1.6
NUT-IN-PART-TRICK

1. Take a 5mm Allen key, slide the nut on it.
2. Stick the Allen key through the part.
3. Let the nut slide down.
Tighten the bolts with full force. Ensure that you hold the long side of the Allen key in your hand as this enables you to exert greater force.
ride QUAD

4x Bolt M8x20
4x Multi angle joint
8x T-Positioning block
2x Profile 1.57 inch | 40 mm
A
20°
ride QUAD

1x Protect cap
2x T-Positioning block
1x L-joint
1x Bolt M8x20 (low head)
1x Profile nut short
1x Profile 14.17 inch | 360 mm

A

B

C

3.94 inch | 100 mm
4.33 inch | 110 mm
12.60 inch | 320 mm
14.17 inch | 360 mm

Profile 1x

+++++
Bolt M8x25 (low head) 1x
Positioning block 2x
T-Positioning block 2x
Multi angle joint 2x
Bolt M8x20 1x

A

B

M8x25 (low head)
ride QUAD

- 4x Bolt M8x20
- 4x Multi angle joint
- 8x T-Positioning block
- 2x Profile 1.57 inch | 40 mm

- 2x
ride QUAD

A

B

C

35°

2x

2x

4x

2x

4x

4x

4x

Bolt M8x35
Knurled disc 1 stripe
Locknut M8
Bolt M8x25
Multi angle joint
Positioning block

2x

Profi le nut short
Bolt M8x25

2x

Knurled disc 2 stripes
Bolt M8x35

2x

1.6

V
A
knurled disc 2 stripes

B
40°

C
35°
ride QUAD

A

B

C

70°
Problem: NUT-IN-PART-TRICK

Steps:
1. Take a 5mm Allen key, slide the nut on it.
2. Stick the Allen key through the part.
3. Let the nut slide down.

Parts:
- Locknut M8
- Axle clamp
- Positioning block
- L-joint
- Bolt M8x25 (low head)
ride QUAD

A

B

C

0.39” | 10 mm

- Bolt M8x20 (low head) 1x
- T-Positioning block 1x
- Profile nut short 1x
ride QUAD

A

B

Handlebar short 1x
Adjusting bolt M8x35 1x
Axle plate 1x
T-Positioning block 2x

Handgrip
Axle plate
T -Positioning block
Handlebar short

V 1.6
T-Positioning block 2x
Axle plate 1x
Handlebar extension 1x
Adjusting bolt M8x55 1x
Handlebar short 1x

**A**

**B**

Handlebar short 1x
Axle plate 1x
T-Positioning block 2x

7 inch wheel house .72inch | 450mm

Handgrip 1x

+ + + +
Leave a gap of at least 0.5mm when tightening the bolts.
Locknut M8

1 mm

1x
Adjust the distance on the leg length. Footrest just behind heels.

- Adjusting bolt 1x
- Axle plate 1x
- Profile nut short 1x
- T-Positioning block 2x

Axle 1x

Adjusting bolt M8x35

Handgrip

Axle plate

T -Positioning block

Profile nut short

Adjusting bolt

Axle plate

Profile nut short

T-Positioning block

Handgrip

Axle plate

T-Positioning block
Adjust the distance on the leg length. Footrest just behind heels.
If you have this type of seat in your Kit, please skip to the next page. If not, follow the instructions below to construct your seatboard.

Put the M6 square nuts in place before inserting the M6x50 bolts.

- Square nut M6 × 2
- Bolt M6x50 × 2
- Seatboard Filler × 1
- Seatboard Base × 1
If you have this type of seat in your Kit, please skip to the next page. If not, follow the instructions below to construct your seatboard.

Put the M6 square nuts in place before inserting the M6x50 bolts.
ride QUAD

A: Ducktail board + foam
B: Ducktail board extension + foam
C: Bolt M8x20
D: Profile nut short
E: Epulse battery
ride QUAD

A

B

C

D
Brake cable clip
A. Hold the arm at this position

B. Hold in this position

C. Tighten

D. Hold in this position

Loosen half turn
Did you already make a ride?

You can transform it into an electric ride by replacing the bearing block (holding the cranks and pedals) with the ePulse® motor! After installing the ePulse® motor, replace the right handle grip with the ePulse throttle.

1. Attach the battery to an aluminum profile close to the ePulse® motor. The Battery is ready for use right out of the box.

2. The motor has 2 plugs. Connect the battery cable to the 4-pin plug and plug it into the battery.

3. Connect the throttle cable to the 6-pin plug.

4. When both plugs are connected, you can turn on the motor by clicking the power switch on the side of the motor. This should light up red.

5. To start moving, turn the throttle towards you, just like in real motorcycles.

6. To reverse press the green button on the throttle. Press it again to return to forward mode.

7. You want to go faster? Turn your key to the right. Now you have access to extra speed!

Enjoy your ride! You can drive up to one hour with a fully charged battery. Done driving? Please make sure you switch your motor off again. The red light on the power switch should turn off.

IMPORTANT

1. The ePulse® system has to be assembled by an adult using Infento manuals.

2. Packaging must be retained since it contains important information.

3. Only use battery(ies) supplied by Infento and intended for the Infento ePulse® system.

4. Only use the battery charger supplied by Infento and intended for the Infento ePulse® system.

USE AND MAINTENANCE OF CHARGER

- The charger supplied with the ePulse® system should be regularly examined for damages to the cord, plug, enclosure and other parts. In the event of such damages, the ePulse® system must not be charged until the charger has been repaired or replaced.
- Use caution when charging. Do not charge unattended.
- The charger is not a toy — the rechargeable battery in the ePulse® system is only to be charged by an adult who has read and understood the safety warnings.
- Never use headphones or a cell phone when riding. Never hitch a ride with another product.
- Do not disassemble or modify the ePulse® system. The lithium battery in the ePulse® system may be used. The ePulse® system is not to be connected to more than 1 power supply.
- Make sure the ePulse® system’s power switch is turned OFF when it is not in use. If the power switch is left on for an extended period of time, the battery may reach a stage at which it will no longer hold a charge.
- To ensure long battery life, never store the product in freezing or below freezing temperatures. Freezing will permanently damage the battery.
- Contains Li-ion battery. Battery must be recycled.

WARNING! Not suitable for children under 36 months due to its maximum speed.

WARNING! To be used under the direct supervision of an adult.

WARNING! Potential hazards of using the toy in areas other than private grounds.

WARNING! Like other electric ride-on products, the ePulse® system mounted on a tricycle and intended to move, it is therefore possible to lose control, fall off and/or get into dangerous situations that no amount of care, instruction or expertise can eliminate. If things occur you can be seriously injured or die, even when using safety equipment and other precautions. USE AT YOUR OWN RISK AND USE COMMON SENSE.

WARNING! Persons with any mental or physical conditions that may make them susceptible to injury, impair their physical ability, or mental capabilities to recognize, understand, and follow safety instructions and/or to be able to understand the hazards inherent in a products use, should not use or be permitted to use products inappropriate for their abilities. Persons with heart conditions, head back or neck ailments (or prior surgeries to these areas of the body) or pregnant women, should be cautioned not to operate the product.

WARNINGS TO AVOID SERIOUS INJURY:

1. Protective equipment should be worn, not to be used in traffic: Always wear safety equipment such as helmet, knee pads and elbow pads. We recommend riders always wear a properly fitted helmet that complies with local or national guidelines or laws. Keep chins strap of helmet securely buckled.

2. Always check and obey any local laws or regulations which may affect the location where the ePulse® system can be used. The ePulse® system is meant to be used on private property and on closed courses, and not on public streets or sidewalks. Do not ride your electric product in any areas where pedestrians or vehicle traffic is present.

3. It is the responsibility of the adult to educate the child, determine if they are fit to operate the vehicle, and supervise use.

4. Do not turn the power switch in the ePulse® system to ON or turn the throttle unless you are seated and in a safe outdoor environment suitable for riding. Always turn the power switch to OFF before getting off the vehicle. Never use headphones or a cell phone when riding. Never hitch a ride with another product.

5. Do not disassemble or modify the ePulse® system. The lithium battery contains safety and protection devices which, if damaged, may cause the battery to generate heat, explode or ignite.

6. Immediately discontinue use of the ePulse® system (battery inside). If, while using, charging or storing it, the ePulse® system emits an unusual smell, feels hot, changes color or shape, or appears abnormal in any other way. Contact our support section of our website.

7. Never use the ePulse® system in microwave ovens, high-pressure containers or on induction cookware.

8. Do not touch the motor on your product when in use (or after using) as it can become very hot.

9. Do not leave the battery on your product when in use (or after using) as it can become very hot.

10. Do not place the ePulse® system in microwave ovens, high-pressure containers or on induction cookware.

11. Do not touch the battery on your product when in use (or after using) as it can become very hot.

12. In the event the battery leaks and/or the fluid gets into the eye(s), do not rub the eye(s). Rinse with water and immediately seek medical care. If the unwrapped, the battery fluid could cause damage to the eye(s).

13. Infento will not be responsible or liable, directly or indirectly, in any way for any loss or damage of any kind incurred as a result of your decision to use the ePulse® system in a different way than we describe in our instructions and manuals.

Failure to recharge battery at least every 6 months may result in a shortened life expectancy.

1. Do not disassemble or modify the ePulse® system. The lithium battery contains safety and protection devices which, if damaged, may cause the battery to generate heat, explode or ignite.

2. Immediately discontinue use of the ePulse® system (battery inside). If, while using, charging or storing of the ePulse® system (battery inside), emits an unusual smell, feels hot, changes color or shape, or appears abnormal in any other way. Contact our support section of our website.

3. Do not place the ePulse® system (battery inside) in microwave ovens, high-pressure containers or on induction cookware.

4. Do not misuse the ePulse® system. The lithium battery contains safety and protection devices which, if damaged, may cause the battery to generate heat, explode or ignite.

5. Do not disassemble or modify the ePulse® system. The lithium battery contains safety and protection devices which, if damaged, may cause the battery to generate heat, explode or ignite.

6. Do not leave the battery on your product when in use (or after using) as it can become very hot.

7. Never use the ePulse® system in microwave ovens, high-pressure containers or on induction cookware.

8. Do not touch the motor on your product when in use (or after using) as it can become very hot.

9. Do not place the ePulse® system in microwave ovens, high-pressure containers or on induction cookware.

10. Do not touch the battery on your product when in use (or after using) as it can become very hot.

11. Do not place the ePulse® system in microwave ovens, high-pressure containers or on induction cookware.

12. In the event the battery leaks and the fluid gets into the eye(s), do not rub the eye(s). Rinse with water and immediately seek medical care. If the unwrapped, the battery fluid could cause damage to the eye(s).

13. Infento will not be responsible or liable, directly or indirectly, in any way for any loss or damage of any kind incurred as a result of your decision to use the ePulse® system in a different way than we describe in our instructions and manuals.

V.1.6
THANK YOU FOR READING ME!