



"Tesla" Inspired Electric Ride-On Toy Car

User Manual

[Revision 4.0 May 2018]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

THE BATTERY MAY HAVE SOME CHARGE ON ARRIVAL, IT IS IMPORTANT HOWEVER THAT THE BATTERY IS CHARGED PRIOR TO USE.

Safety



Read and understand all safety warnings and instructions before assembling or using the electric ride-on car ("toy"). The instructions not only specify the assembly process and proper operation, but also help you to avoid injuries or damaging the product due to incorrect operation.

- **Choking hazard – small parts included. Not suitable for children under 3 years of age.**
- **Use the toy under adult supervision. Although most children can master the skills required to control the toy, they do not have mature judgment skills. Never let a child use the toy at any time without adult supervision. Take the time to carefully evaluate the child's skill levels and abilities to operate the toy safely. Children cannot always recognize hazards even after instruction, so teach appropriate safety rules before allowing any child to operate the toy.**
- **Maximum load capacity = 20kg.**
- An adult should inspect the toy at regular intervals for wear or loose fasteners etc, and tighten as required. Do not use the toy if abnormal conditions such as cracks or breaks exist.
- Do not operate the toy on public streets or roads, near moving vehicles, steep inclines or steps, near swimming pools, or any other potentially dangerous areas.
- The toy is designed for outdoor use on suitable surfaces and in dry conditions. Do not operate in the dark, on sand or gravel, dirt, grass, uneven or rough ground. Running the toy indoors may cause damage to flooring or other items.
- The remote control should only be operated by adults or under adult supervision.
- When the remote control batteries are running low, the effective range of the remote control is reduced. Replace with new batteries.
- This toy must not be overloaded or used to push or pull other objects.
- This toy is suitable for children aged 3 and up.
- Some parts of the toy may be damaged due to improper operation.
- Do not suddenly switch between forward and reverse when the toy is moving. Switch between forward and reverse only when the toy is stationary.
- Clean the toy with a soft, clean cloth. Do not spray or immerse the toy with water, which might damage the electronics.
- This product is made of plastics. Keep it away from fire or other sources of heat.
- The electric motors may produce sparks. Do not run the toy in flammable and explosive areas such as a petrol station.
- Do not allow children near or to touch moving parts when the toy is running.
- The packaging is not a toy and should be disposed of responsibly.
- Adults are required to read these instructions carefully and give correct guidelines to children on how to safely operate the toy before using it. Instruction should include:
 - Starting, stopping and steering.
 - One rider only at a time, and always sit in the seat.
 - Wear shoes.
 - Do not place hands, feet or any part of the body, clothing or other articles near moving parts while the toy is in operation.
- The seat belt is a decoration only to develop a sense of safety in children; it cannot provide any substantial protection.
- If the toy malfunctions, do not use it until it is repaired.

- **Thermal Fuse** - The toy is equipped with a built-in thermal fuse. The fuse is a self-resetting safety device that shuts down the toy if it is overloaded. Once a fuse has tripped it will automatically reset after approximately 10 seconds and allow the toy to resume normal operations. To avoid repeated tripping, do not overload the toy by exceeding the maximum weight capacity. Avoid inappropriate driving conditions, such as steep slopes or against fixed objects, which can cause the wheels to stop spinning while power is being supplied to the motors. If a thermal fuse in continually trips under normal operating conditions and loads, have the toy inspected by an authorised service centre.

Battery Safety and Charging



Failure to follow instructions on correct battery maintenance may permanently damage the batteries and will void the warranty.

- Never modify the electrical system. Alterations may cause malfunction, fire, serious injury and/or property damage.
- **Charge the batteries for 10 hours before first use.**
- **Do NOT charge the batteries for longer than 10 hours continuously .**
- Do NOT short-circuit batteries or battery supply terminals.
- Do NOT expose batteries to excessive heat, flammable or corrosive substances.
- Do not store batteries in temperatures above 40°C (104°F) or below -23°C (-10°F).
- Charge the batteries at least monthly, even if the toy is not in use.
- Over-charging or under-charging the batteries may shorten battery life and decrease toy running time.
- Do not allow the batteries to discharge completely before charging.
- Charge the batteries after each use, regardless of how long the toy was used.
- The battery compartment is not a storage areas. Storing other articles may create a fire hazard.
- If battery acid is ingested, call a physician immediately and give water or milk. Do not induce vomiting.
- Install batteries correctly and according to polarity.
- Remove the batteries if the toy is not be used for an extended period of time.
- Dispose of used batteries in an environmentally responsible manner and according to regulations.
- Do NOT burn or dispose of batteries in a fire.
- Use of the wrong type battery or charger may cause a fire or explosion resulting in serious injury. Only batteries of the same or equivalent type as recommended are to be used.
- Batteries must be handled by adults only. Batteries are heavy and contain sulphuric acid (electrolyte). Dropping batteries could result in serious injury.
- Leaving the batteries in a discharged condition will destroy them.
- If the toy will be stored for more than 2 months, disconnect the motor harness from the batteries.
- Battery charging or replacement must be performed by adults only.
- Never lift or carry batteries by wires or connectors. This can damage the battery and possibly cause a fire. Lift and carry batteries by the case only.
- Read all safety instructions on the battery.
- Examine the battery charger, leads, plug and connectors for wear or damage each time you use it. If any damage or wear is detected, do not use the charger until it is repaired or replaced.
- Ensure the voltage and frequency of the charger is compatible with mains electrical supply.
- Only use the battery charger in dry locations.
- Never recharge non-rechargeable batteries.

- Batteries can fall out and cause injury if the toy overturns. Always use the battery brackets and cover (seat).
- Batteries must be upright while charging – ensure the toy is sitting on a flat surface when being charged.
- Periodically examine the batteries (remove the seat) for cracks or damage which may cause sulphuric acid (electrolyte) to leak during charging. If damage is detected, do not charge the battery or use it. Battery acid is highly corrosive and can cause severe injury to persons and damage to surfaces it contacts. If battery acid comes in contact with skin or eyes, call a physician immediately and flush with cool water for at least 15 minutes.
- Do not charge batteries on surfaces that could be damaged by battery acid. Take precautions to protect surfaces where batteries are charged.
- If the batteries are old and will not accept a charge, remove them from the toy. Always remove unserviceable batteries.

Battery Charging

1. Insert the battery charger connector into the charger port located under the seat.
2. Plug the charger into a standard 240VAC wall socket and switch it ON. The charger may feel warm during charging. This is normal and not a cause for concern.
3. After charging is complete, unplug the charger from the wall outlet and unplug the battery connector from the charger port.



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Parts Identification



Identify all parts before assembly and save all packaging material until assembly is completed to ensure that no parts are discarded. • Metal parts may be coated with lubricant for protection during shipment. Wipe all metal parts with a paper towel to remove any excess lubricant. • Assemble the toy according to instructions. Due to manufacturing techniques it is possible that some parts are over-supplied. • Screwdrivers may be required for assembly.



No.	Name	No.	Name
1	Body	10	Fasteners / Accessories:
2	Motor Assembly		1 x Screw and Nut (Steering Wheel)
3	Steering Wheel		4 x Wheel Nut
4	Driven Wheel (1)		10 x Self-Tapping Screw (Side Body Support)
5	Non-Driven Wheel (3)		6 x Axle Washer
6	Rear Axle		3 x Axle Bush
7	Side Body Support (2)		4 x Wheel Nut Cover
8	Wing Mirror (2)		Motor Cover
9	Seat		Battery Charger
			Remote Control
			Audio Connection Cable
			2 x Wheel Nut Spanner

Assembly



Children may be harmed by small parts, sharp edges and points or electrical components when the toy is not assembled. Care should be taken to not allow children near parts when unpacking and assembling the toy. • The toy should be assembled by an adult or checked by an adult to ensure that it is properly assembled. • Please remove the terminal cover first when assembling the battery.

Video Tutorial:

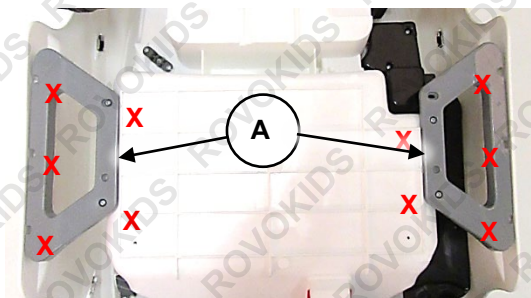
[Typical Ride-On Car Assembly](#)



1. Disconnect and remove the drive motor assembly from inside the toy, then turn the toy over.

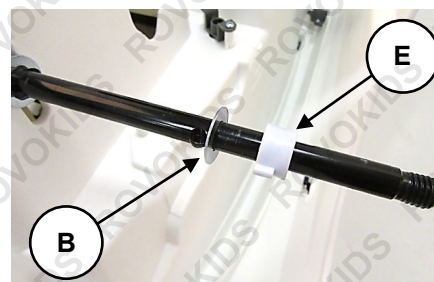
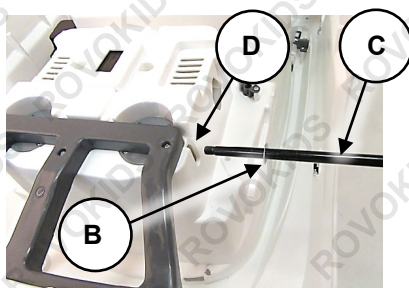
2. Install the side body supports to the toy body. Note that the fastening holes on each side of the toy are slightly different.

- Attach each side body support (A) to the toy at points marked "X" using 5 self-tapping screws. Tighten (rotate right) the screws using a Phillips head screwdriver, however, be careful not to over-tighten the screws as they are screwing into plastic.



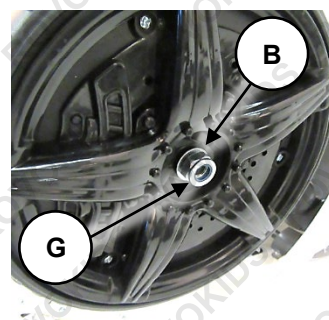
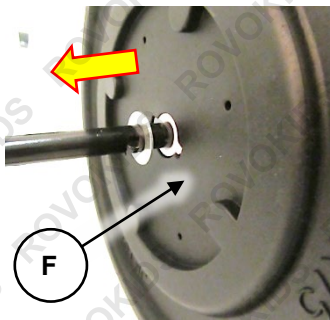
3. Install the rear axle and the rear driven and non-driven wheels. Note that the drive motor and driven wheel installs to the right-hand side of the toy (left side when the toy is upside-down). As a result, the axle has protrusions to hold washers in position on one side only.

- Place an axle washer (B) onto the "long" section (without protrusions) of the rear axle (C), then slide the axle through slots (D) at the rear of the toy from the right-hand side when looking at the underside of the toy body. The axle is in position when the washer contacts the toy body.
- On the axle section with protrusions (the non-drive side), place an axle washer (B) and axle bush (E). Ensure that the "tabs" of the axle bush are nearer the washer.



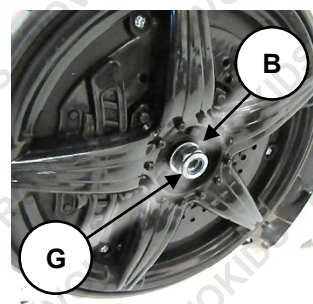
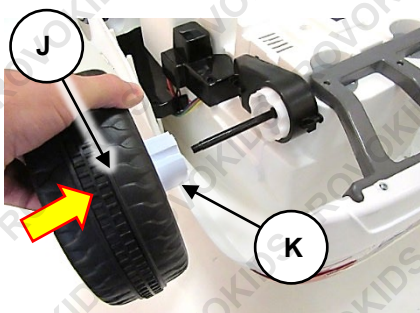
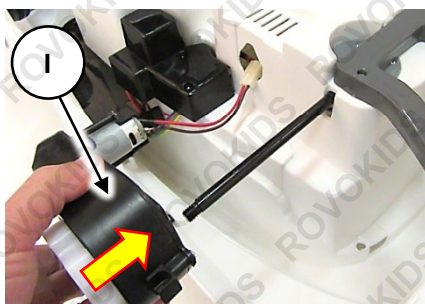
- Place a non-driven wheel (F) onto the rear axle on the non-drive side. Ensure that the "tabs" of the axle bush enter the slots in the wheel.

- On the outside of the non-driven wheel, place an axle washer (B) on the axle, then screw (rotate right) a wheel nut (G) on to the axle and tighten using the supplied wheel nut spanner. Ensure that the wheel is secure, however, the nut is not so tight as to prevent the wheel from spinning freely.



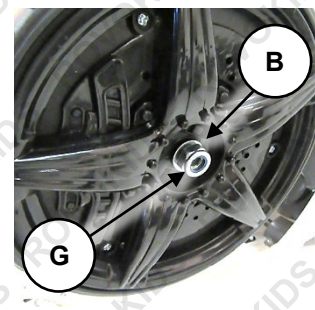
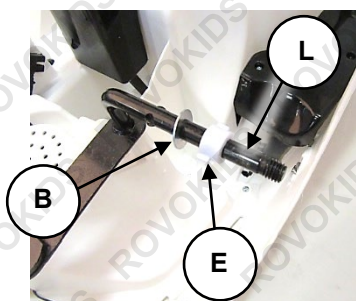
- Slide the drive motor assembly (I) removed previously onto the driven side of the axle. Ensure that the motor and connector enters the hole in the toy body.

- Place the driven wheel (J) on to the axle, with the drive teeth (K) facing inward, then place an axle washer (B) on the axle, then screw (rotate right) a wheel nut (H) on to the axle and tighten using the supplied wheel nut spanner. Ensure that the wheel is secure, however, the nut is not so tight as to prevent the wheel from being driven.

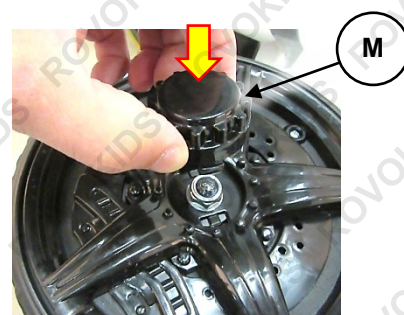


4. Install the front wheels.

- Place an axle washer (B) and axle bush (E) on to each front axle (L). Ensure that the "tabs" of the axle bush are nearer the washer.
- Place a non-driven wheel (F) onto the axle, then place an axle washer (B) on the axle, then screw (rotate right) a wheel nut (G) onto the axle and tighten using the supplied wheel nut spanner. Ensure that the wheels are secure, however, the nuts are not so tight as to prevent the wheels from spinning freely.

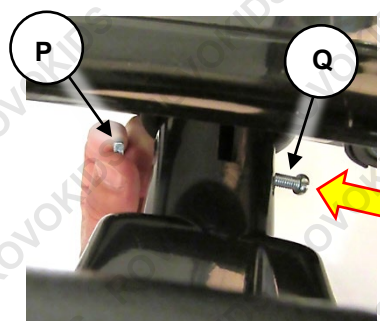


- On all wheels, install the wheel nut covers (M) by aligning the tabs on the cover with the slots in the wheel then pressing the cover in until it "clips" into place.



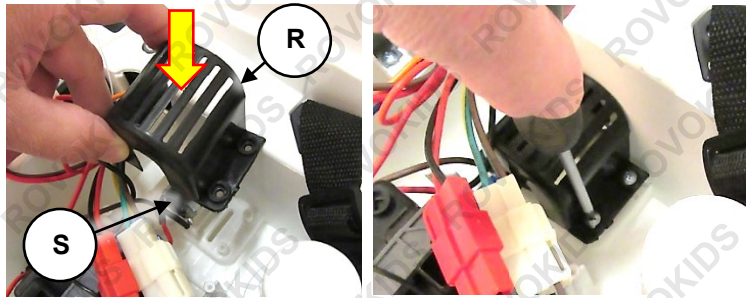
5. Install the steering wheel.

- Remove the screw and nut from the steering wheel stem.
- Ensure the front wheels are straight then slide the steering wheel stem (N) onto the steering shaft (O) – ensure that the steering wheel stem screw hole aligns with the hole in the shaft.
- Insert the nut (P) into the recess in the steering wheel stem. Insert the screw (Q) from the other side of the steering wheel stem, passing through the steering shaft and into the nut. Adequately tighten the screw with an appropriate screwdriver.



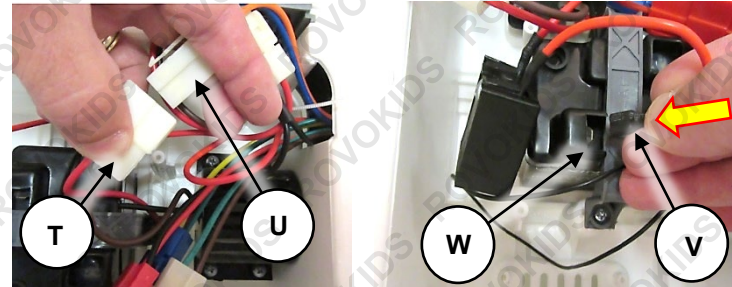
6. Install the motor cover.

- Place the motor cover (R) in position over the motor (S), then attach it to the toy body using 4 self-tapping screws. Tighten (rotate right) the screws using a Phillips head screwdriver, however, be careful not to over-tighten the screws as they are screwing into plastic.



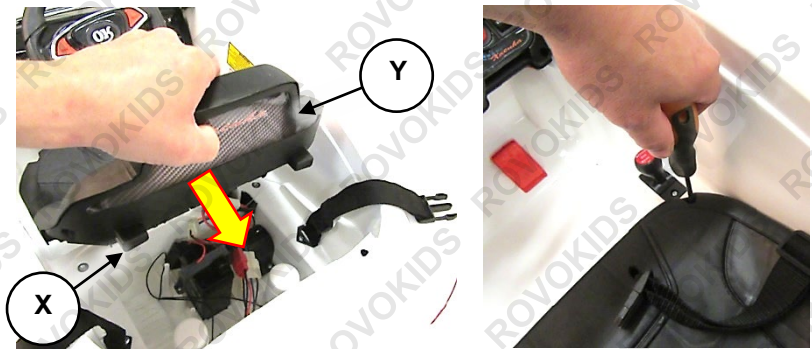
7. Connect the motor and battery.

- Plug together the motor connectors (T and U), then firmly push the unconnected battery wire (V) onto the free battery terminal (W). Once connected, the battery can be charged using the toy charging port.



8. Install the seat (this also acts as a battery cover).

- Ensure no wires can be crushed or pinched when the seat is installed. Unbuckle the seat belt if required and move it out of the way.
- Insert the tabs (X) at the rear of the seat (Y) into the corresponding slots in the toy body, then attach the front of the seat to the toy body using 2 self-tapping screws. Tighten (rotate right) the screws using a Phillips head screwdriver, however, be careful not to over-tighten the screws as they are screwing into plastic.



9. Install the wing mirrors.

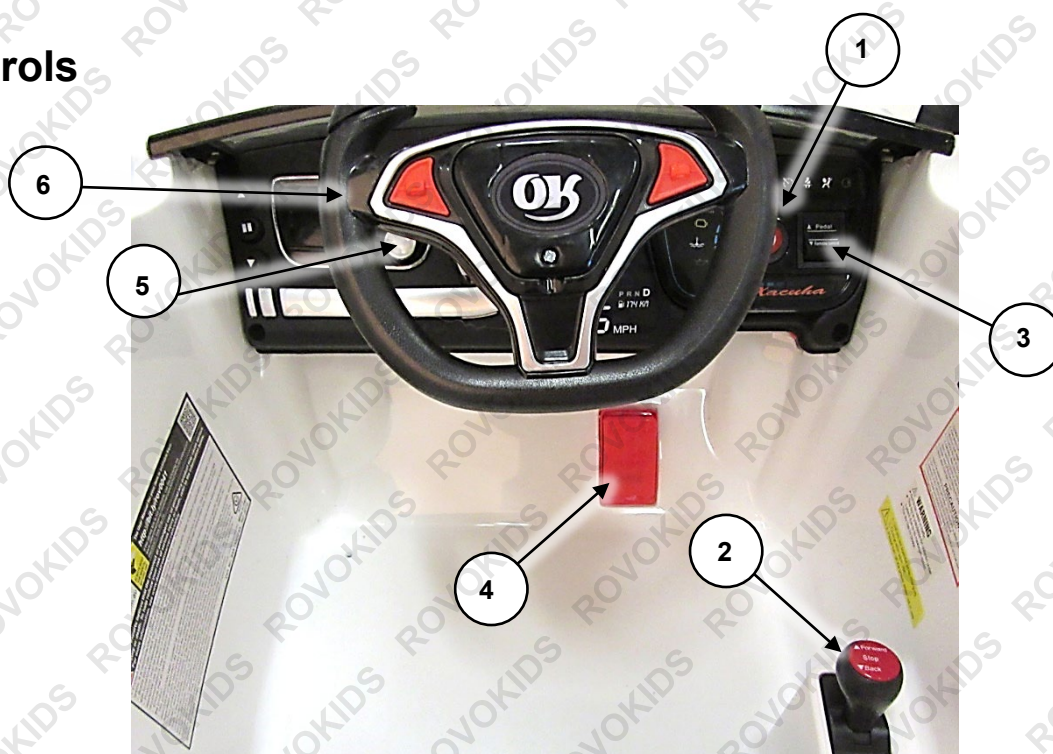
- Push each wing mirror (Z) into the corresponding slot in the toy body (either side of the windscreen) until it "clips" into place.

Assembly is now complete.



Operation

Controls



No.	Name	Description
1	ON/OFF (partly obscured)	Press to switch the toy ON or OFF. When the toy is ON, lights and controls illuminate and sounds play.
2	Direction Control	Sets the direction of travel. The centre position will prevent any movement using the accelerator: Forward – Travel forward. Back – Travel backward. <i>Middle Position</i> – Prevent movement.
3	Drive Mode Control	Sets the operating mode: Pedal – Use driver mode operation. Remote Control – Use remote control operation.
4	Accelerator	Press to travel in the direction set using the direction control (forward or reverse). Release to stop.
5	Music System	See Music System Operation .
6	Steering Wheel	When the toy is moving, rotate the steering wheel as required to change direction.

Driver Mode Operation

1. Ensure the "driver" is correctly and safely seated in the toy and the seat belt is buckled.
2. Press the ON/OFF button to switch the toy ON.
3. Select the direction of travel using the direction control.
4. Press the accelerator pedal to begin moving. Release the accelerator to stop.
5. When finished, press the ON/OFF button to switch the toy OFF.

Remote Control Mode Operation



Batteries (not included) must be properly installed in the remote control handset. To install batteries, remove the screw from the rear of the remote control, then lift the cover off. Insert the batteries (ensure that battery polarity is correct), then re-install the cover and secure with the screw. • Insert the antenna to the top of the remote control and screw it in (rotate right) until firm. Always fully extend the antenna when using the remote control.



No.	Name	Description
1	ON / OFF Button / Indicator	Used to switch the remote control ON or OFF. Press to switch ON / OFF. When ON, the button is lit.
2	Motion Control	Used to apply forward or reverse motion. Push and hold for forward motion; pull and hold for reverse motion.
3	Directional Control	Used to set direction right or left. Move to the left and hold as required to turn left; move to the right and hold as required to turn right. Note that when the button is released, the wheels do not automatically return to centre.
4	Antenna	Provides signal transmission. Extend fully when using the remote-control handset.



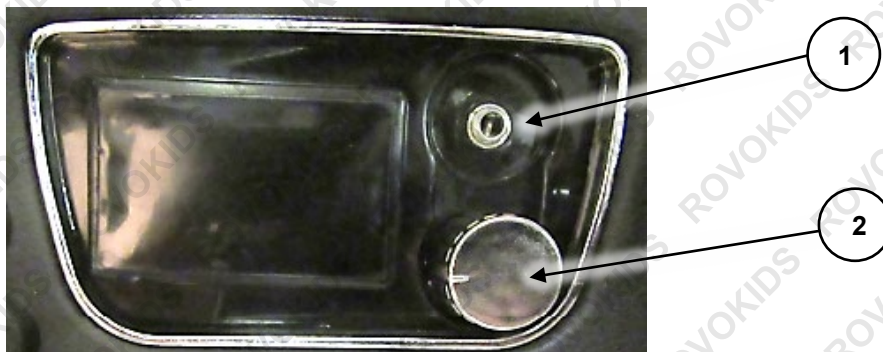
When using the remote-control handset to control the toy, the child may still use the steering wheel to also change direction.

Remote control is available and is useful for children not able to correctly operate the toy. To use remote control mode:

1. Start the toy and set the **Drive Mode Control** switch to the **Remote Control** position.
2. Use the remote-control handset to control toy movement.

Music System Operation

When the toy is on, the music system can be used. The toy features a range of built-in sounds, however, can also accept an external music input through a 3.5mm audio cable connection.



No.	Name	Description
1	Auxiliary Input	Used to play audio from a device output that is connected by 3.5mm audio cable (cable supplied). Connect a device to play from it.
2	Volume Control	Used to adjust music/sound volume – rotate right to increase volume, rotate left to decrease volume.

Troubleshooting

Malfunction	Analysis	Solution
<i>Toy not running or was running but suddenly stopped</i>	<ol style="list-style-type: none"> 1. Fuse tripped. 2. Electrical connections not secure. 3. Dead battery. 4. Under-charged battery. 5. Battery charger not working. 6. Electrics or switches damaged. 	<ol style="list-style-type: none"> 1. Toy overloaded or used on unsuitable surfaces. Fuse resets after 10 seconds. Unload toy (20kg max.) and/or move to suitable surface. 2. Check all wires and connections. Ensure the electrical harness is fully connected. Ensure no motor wires are loose or disconnected. 3. Battery no longer serviceable. Have battery checked by an authorised service centre or replace. 4. Charge battery and ensure battery charging and care procedures are followed. 5. Have charger professionally checked. If not working – replace. 6. Seek diagnosis and repair from authorised service centre.
<i>Short operating time – less than 1 hour per charge</i>	<ol style="list-style-type: none"> 1. Under-charged battery. 2. Over-charged battery. 3. Old or faulty battery will not take full charge. 	<ol style="list-style-type: none"> 1. Charge battery and ensure battery charging and care procedures are followed. 2. Battery no longer serviceable. Have battery checked by authorised service centre or replace. 3. Expected battery life is 1 to 3 years depending on care, use and conditions. Have battery checked by authorised service centre or replace.
<i>Movement is sluggish</i>	<ol style="list-style-type: none"> 1. Under-charged battery. 2. Old or faulty battery will not take full charge. 3. Toy overloaded. 	<ol style="list-style-type: none"> 1. Charge battery and ensure battery charging and care procedures are followed. 2. Expected battery life is 1 to 3 years depending on care, use and conditions. Have battery checked by an authorised service centre or replace. 3. Toy overloaded or used on unsuitable surfaces. Unload toy (20kg max.) and/or move to suitable surface.
<i>Intermittent running</i>	<ol style="list-style-type: none"> 1. Electrical connections not secure. 2. Main body electrics or switches damaged. 	<ol style="list-style-type: none"> 1. Check all wires and connections. Ensure vehicle and battery electrical harness is fully connected. Ensure no motor wires are loose or disconnected. 2. Seek diagnosis and repair from authorised service centre.
<i>Vehicle requires a push to get running</i>	<ol style="list-style-type: none"> 1. Electrical connections not secure. 2. Motor has “dead” spot. 	<ol style="list-style-type: none"> 1. Check all wires and connections. Ensure the electrical harness is fully connected. Ensure no motor wires are loose or disconnected. 2. Seek diagnosis and repair from authorised service centre.
<i>Gear box noisy</i>	<ol style="list-style-type: none"> 1. Broken or damaged gears. 	<ol style="list-style-type: none"> 1. Seek diagnosis and repair from authorised service centre.
<i>Battery gets warm during charging</i>	Normal operation.	<i>None required</i>
<i>Faint sounds and heating from battery when charging</i>	Normal chemical reaction.	<i>None required</i>

Maintenance

- If the toy is damaged, do not use it until it is repaired.
- An adult should inspect the toy at regular intervals for wear or loose fasteners and tighten as required. Do not use the toy if abnormal conditions such as cracks or breaks exist.
- The toy should be assembled by an adult or checked by an adult to make sure that it is properly assembled.
- Clean the toy with a clean cloth only. Do not use abrasives, solvents or harsh detergent when cleaning. Do not spray or immerse the toy in water as this will damage the electronics.

Specifications

Net Weight	10kg
Battery Type	12V 4Ah
Charger Type	6VDC 500mA (output)
Range	1 to 2 hours (full charge)
Charge Time	8 to 10 hours generally (full charge)
Remote Control Operation	Yes
Remote Control Battery	2 x AA (not included)
Maximum Rider Weight	20kg



Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death, consult the points below and additionally, the information available at www.datastreamserver.com/safety

- | | |
|---|--|
| <ul style="list-style-type: none"> • Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product. • Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable). • Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing. • Ensure all possible users of the product have completed an industry recognized training course before being given access to the product. | <ul style="list-style-type: none"> • The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third-party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives. • This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example), there is always a small chance of technical issues that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation. • If this item has been purchased in error after considering the points above, simply contact the retailer directly for details of their returns policy, if required. |
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