

CHOOSING YOUR PLAYING LOCATION

You can operate your Mini Vortex indoors or outdoors. The Mini Vortex is designed to operate in most rugged conditions and terrains. Do not operate your Mini Vortex on roads or any areas where there are cars. Operating your Mini Vortex on roads or any areas with cars is extremely dangerous and most likely illegal! The Mini Vortex is not water resistant. Do not operate your Mini Vortex in any wet conditions, mud, puddles, rain or any other form of precipitation or harsh weather. The Mini Vortex has open Cooling Vents in some strategic locations. If water gets into these Cooling Vents, the Mini Vortex could sustain damage, which is not covered by warranty. If operating your Mini Vortex indoors, be careful to avoid contact with any objects such as furniture, plants, electronics, and any other items which can break easily. The Mini Vortex is capable of some relatively high speed stunts and could easily damage some household objects. Avoid operating your Mini Vortex around pets or people, and especially crowds. If the Mini Vortex is stepped on or otherwise crushed, it will sustain damage, which is not covered by warranty. Ensure that people around you are aware that you are playing with your Mini Vortex. Be aware of changes in your operational environment and play safe! The radio control range of your Mini Vortex is up to 40M, and varies depending on interference within the operational environment. **WARNING: The relatively high speed stunts of the Mini Vortex are capable of damaging or injuring plants, furniture, pets or people so play carefully.**

Performance Tips

1. Do not drive on grass, dirt, sand, dusts, carpet or go through water.
2. Do not drive in windy or rainy weather.
3. Avoid direct impact of the Vehicle with obstacles.
4. Switch OFF the power when not in use to prevent damage of Vehicle and Transmitter due to leakage of electrolyte from batteries.
5. Remove all batteries from the Vehicle and Transmitter when not in use for long period.
6. Keep fingers, hair and loose clothing away from wheels.
7. The operating range can be affected by a variety of factors a) Low Voltage of batteries in Transmitter or Vehicle b) Interference from other items that emit radio frequency signals.
8. Outdoor usage is recommended in order to get optimum control range.
9. Recommend to play the vehicle on a clean and smooth surface.
10. Clean the battery compartment to make sure it is free from dust to prevent poor contact of batteries

Cautions

1. Do not attempt to disassemble the Vehicle or Transmitter.
2. Do not operate the Vehicle with same frequency with other player(s) in same location that will interfere and make the Vehicle get out of control.
3. Make sure the batteries are installed with correct polarities (+/-) as shown inside the battery compartment.
4. Remove the package and take out all accessories before giving the Vehicle and Transmitter to a child to play.



The packaging and instruction manual contain important information. Please keep them for future reference. **Warning! Choking Hazard.** Not suitable for children under the age of 3 years due to small parts. We reserve the right to improve/amend specifications and colors without notice.

FCC label compliance statement:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna
 - Increase the separation between the equipment and receiver
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
 - Consult the dealer or an experienced radio/TV technician for help

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RSS-210 Compliance Statement :

This device complies contains licence-exempt transmitter that comply with Innovation Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) L'appareil ne doit pas produire de brouillage; (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Declaration of Conformity

The product is in conformity with the requirement of EU Directive 1999/5/EC.



Environmental notes:

The whole product also does not belong to household waste at the end of the product life. You can return it at collection points for the recycling of electronic and electrical instruments. The symbol on the item, instruction manual, hangtag or packing is showing this clearly. Materials should be recycled according to their respective markings.

Recycling of old devices or other re-use of materials contained therein represents an important contribution to environmental protection.

Please ask at your local community for the correct collection point.



Disposal of batteries

Batteries should not be disposed of in the household waste. As the consumer you are legally obliged to return batteries containing harmful substances and all other used batteries. You can hand in your old batteries at public collection points in your area or wherever batteries are sold.

You will find these chemical abbreviations along with a crossed-out refuse bin on batteries containing harmful substances:
 Pb=Battery contains lead
 Cd=Battery contains cadmium
 Hg=Battery contains mercury

Conforms to the safety requirements of ASTM F963

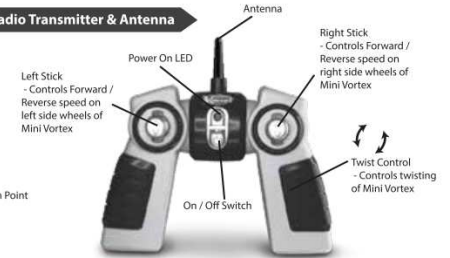


NO. 84182

Mini Vortex Stunt RC Vehicle



Radio Transmitter & Antenna



CONTENTS



6.4V Lithium Ion Rechargeable Battery Pack



USB Adapter Cable



Tyre Inflation Air Pump and Needle



Tyre Inflation Gauge

BATTERY REQUIREMENTS:

1. **Vehicle:**
1 x 6.4V Lithium Ion rechargeable battery pack (Included)
2. **Transmitter:**
1 x 9V battery (Included)



Charging the Rechargeable Battery Pack for the Vehicle

1. Connect the 6.4V rechargeable battery pack to the battery charger via the USB adapter charger.
2. Plug the charger into the standard AC socket.
3. The charging time for a full charge is about 2 hours.
4. When charging is completed, unplug the charger from the AC socket.
5. Disconnect the rechargeable battery pack from the battery charger and the USB cable.

CAUTION

- Be Sure To Charge Battery Pack Before Using.
- If Battery Pack Is Hot After Use, Allow To Cool Before Recharging.
- Do Not Dispose Of Battery Pack In Fire.
- Do Not Recharge Battery Pack That Shows Leakage Or Corrosion, Or Attempt To Open Battery Pack.



www.kidztech.net



KIDZTECH TOYS MANUFACTURING LTD.
 Room 1201,12/F, Inter-Continental Plaza,
 94 Granville Road, TST East, Hong Kong.
 Tel: (852) 27218868 info@kidztech.net
 Made in China http://www.kidztech.net

KT280018(EN)

Battery Precaution

1. The 6.4V rechargeable battery pack must be charged before use by utilizing the battery charger which included.
2. Do not overcharge the battery pack. Do not charge for more than 4 hours.
3. Do not charge the battery pack if it shows leakage, corrosion, or has loose or exposed wires or other damage.
4. Do not cover the battery pack with any sort of materials while charging.
5. Do not touch the battery pack when it is hot. Wait until the battery pack cools before installing it in the Vehicle and before recharging.
6. Do not dispose of the battery in fire.
7. Do not dismantle the battery or charger, and do not cut the battery or charger cables.
8. The battery pack will be warm after charging, and hot after use in a vehicle.
9. The supply terminals are not to be short-circuited.
10. Rechargeable batteries are to be removed from the toy before being charged.
11. Rechargeable batteries are only to be charged by adults.
12. Battery replacement must be only made by adults.
13. The transformer (charger) is not a toy.
14. Charge only type (500mAh Max.) rechargeable battery packs. Other types of batteries may burst causing injury to persons and damage. This power unit is intended to be correctly orientated in a vertical or floor mount position. This charger is intended to be used for charging 6.4V rechargeable battery pack with capacity 500mAh Max. It cannot be used for charging non-rechargeable batteries. Regular examination of battery charger for any damage to their cord, plug, enclosure and other parts, and that, in the event of such damage, it must not be used with the charger or battery pack charge until such damage has been repaired. Note that the 9V battery is non-rechargeable and is not to be recharged. Only batteries of the same or equivalent type as recommended are to be used. It will need replacement when transmission is poor.
15. Exhausted batteries are to be removed from the product.

How to bind

1. Turn on the Vehicle.
2. Keep pulling the trigger of the Transmitter forward then turn the Transmitter on. Do not release the trigger until the binding process completed.
3. The LED light of the Transmitter will keep flashing for the binding process, which is within 8 seconds. Do not turn off any buttons while in progress, otherwise, the process will be terminated.
4. After the wheels of the Vehicle turn left and right and the LED light of the Transmitter stops flashing, the binding process completed for playing.
5. If it cannot complete within 8 seconds, please turn off both Vehicle and Transmitter and re-start the binding process.
6. When the binding process is done, whenever switching the Vehicle and Transmitter on and off, it searches for the code that it memorized, and will only lock on to the Transmitter signal containing that code.
7. Please turn off both Vehicle and Transmitter and re-start all binding process if changing to another 2.4GHz Transmitter for playing.

Battery Installation

Vehicle



Fig. 1

For Vehicle (Fig. 1 and Fig. 2)

1. Switch OFF the power.
2. Unscrew the screw on the battery cover.
3. Open the battery cover.
4. Install a fully charged 6.4V battery pack with correct polarities (+/-) as shown inside the battery compartment.
5. Close the battery cover.
6. Tighten the screw on the battery cover.

Vehicle: Battery Installation



Fig. 2

Transmitter

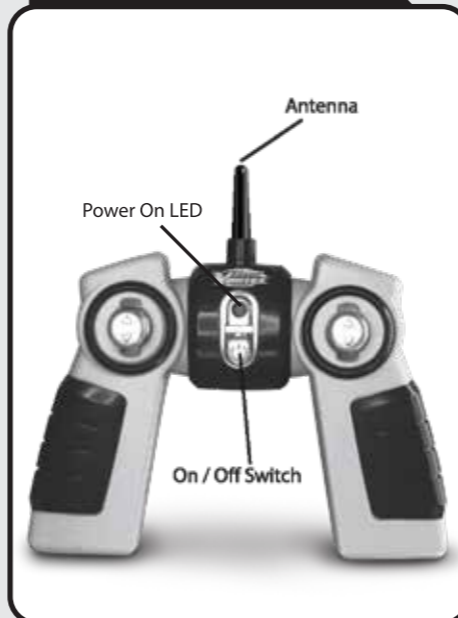


Fig. 3

For Transmitter (Fig. 3 and Fig. 4)

1. Switch OFF the power.
2. Slide to open the battery cover.
3. Install 1 new 9V battery with correct polarity (+/-) as shown inside the battery compartment.
4. Close the battery cover.
5. Tighten the screw on the battery cover.



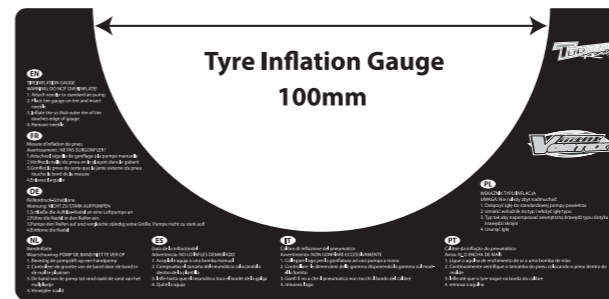
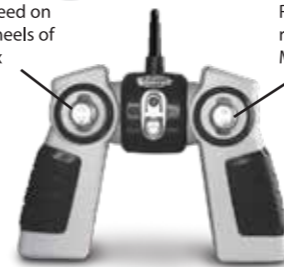
Fig. 4

Left Stick

- Controls Forward / Reverse speed on left side wheels of Mini Vortex

Right Stick

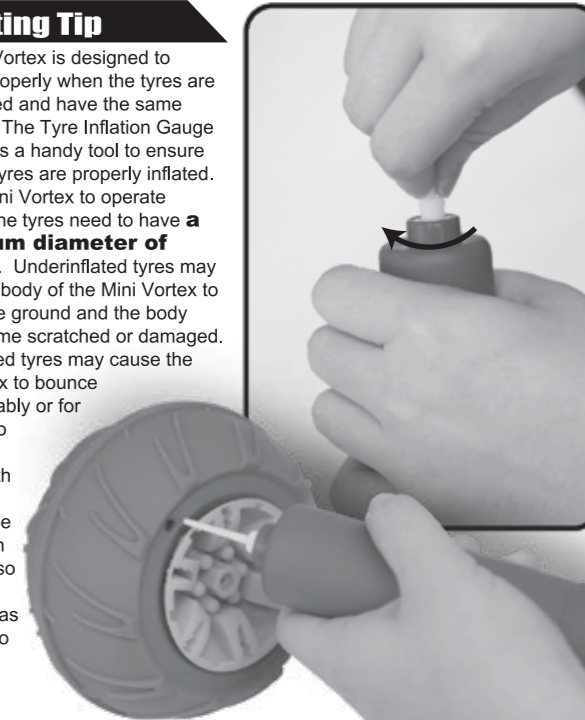
- Controls Forward / Reverse speed on right side wheels of Mini Vortex



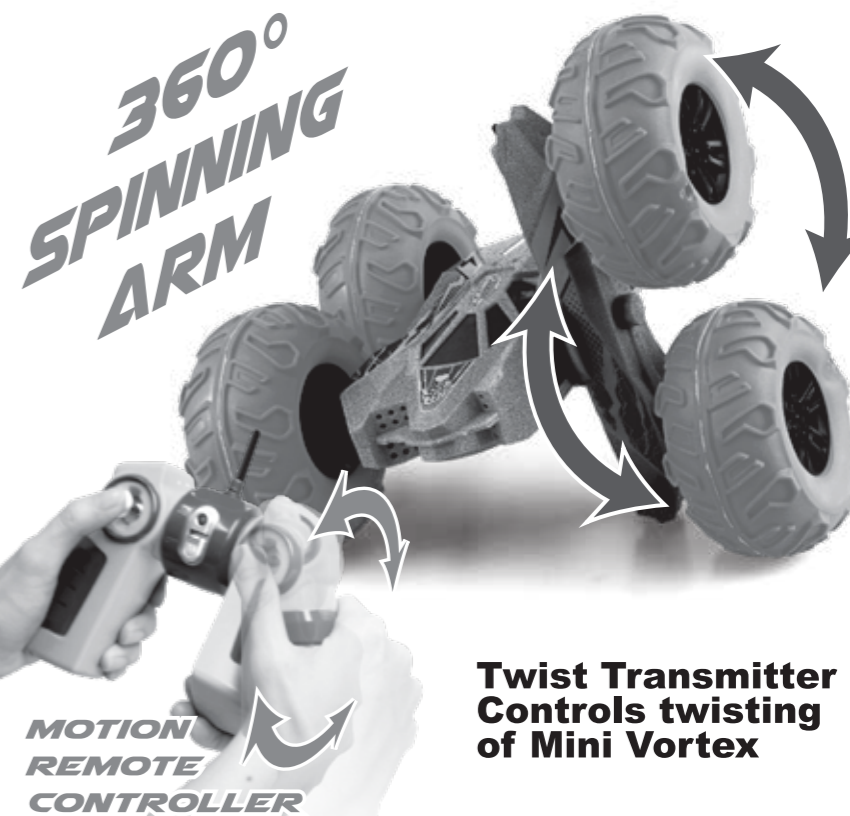
1. Attach the Tyre Inflation Needle (included) to any standard air pump (included).
2. Gently insert the Tyre Inflation Needle into the Tyre Inflation Point on one of the tyres (as shown).
3. Position the cardboard Tyre Inflation Gauge (Included with the Mini Vortex) on the Tyre to ensure that the Tyre is fully inflated to the proper size. Inflate the tyre so that the outer rim of the tyre touches the inner edge of the Tyre Inflation Gauge.
4. Once the tyre is fully inflated, disconnect the Tyre Inflation Needle from the tyre by pulling it out, and remove the Tyre Inflation Gauge. Repeat these steps on the other 3 tyres until all 4 tyres are inflated to the exact same size.

Inflating Tip

The Mini Vortex is designed to operate properly when the tyres are fully inflated and have the same diameter. The Tyre Inflation Gauge Template is a handy tool to ensure that your tyres are properly inflated. For the Mini Vortex to operate properly, the tyres need to have a **maximum diameter of 100mm**. Underinflated tyres may cause the body of the Mini Vortex to contact the ground and the body may become scratched or damaged. Overinflated tyres may cause the Mini Vortex to bounce uncontrollably or for the tyres to physically conflict with the body. Inflating the tyres is fun and easy so inflate the tyres fully as specified to avoid damage!



⚠ WARNING: DO NOT OVERINFLATE!



Operating The Mini Vortex

Once the fully charged Battery Pack is inserted into the Mini Vortex and the Transmitter is likewise prepared you are ready to play with your Mini Vortex! Operation of the Mini Vortex is simple as described below. See what sorts of stunts you can come up with!

1. Ensure that the On / Off Switches on the Mini Vortex and the Transmitter are in the On position.
2. Move the Left and Right Sticks on the Transmitter and also twist the Transmitter to drive the Mini Vortex. Twisting the Transmitter will twist the Mini Vortex under certain circumstances. It is recommended to experiment with this feature and develop your own stunts. Let the off-road stunt driving begin! The following is a table of Mini Vortex Transmitter Stick inputs and their functional results.
3. If your Mini Vortex's Battery Pack becomes depleted, you will need to recharge your Battery Pack as outlined in the section: **"Charging the Rechargeable Battery Pack for the Vehicle"(P.1)**.
4. When you are finished playing with your Mini Vortex or if the Battery Pack is depleted, turn off the Transmitter and the Mini Vortex.

Left Stick	Right Stick	Function
Neutral	Neutral	Nothing
Up	Up	Forward
Down	Down	Reverse
Up	Down	Spin Right
Down	Up	Spin Left
Up	Neutral	Forward & Turn Right
Down	Neutral	Reverse & Turn Left
Neutral	Up	Forward & Turn Left
Neutral	Down	Reverse & Turn Right