

WARNING
DO NOT USE VEHICLE IN INCLEMENT WEATHER!



TROUBLESHOOTING

Before sending your vehicle in for repair, please check for a solution below.

Problem	Possible Cause(s)	Solution
vehicle will not move.	Weak batteries; no batteries	Install new batteries in remote control and recharge the vehicle.
vehicle does not respond properly to remote control.	vehicle and remote not synced properly Another RC vehicle may be transmitting on the same radio frequency	Refer to sync section and re-sync your vehicle and remote. Move to a new location where no other RC trucks are present.
vehicle loses connection to remote control.	Using vehicle in a small enclosed area Using vehicle indoors Low batteries in transmitter or vehicle	Move outdoors to a large open area. Install new batteries in remote control or recharge your vehicle.
vehicle battery is fully charged, but slower than normal.	Driving vehicle for too long at high speeds, causing motor to overheat	Turn vehicle off for 10-15 minutes.

SAFETY WARNINGS!

- Improper use of batteries may lead to overheating, breakage or leaking.
- Do not mix old and new batteries.
- Do not mix different battery brands.
- Install batteries with correct polarity. The flat side (negative terminal) of the battery should rest against the spring.
- Remove dead batteries immediately.
- Avoid liquids, which can short circuit the batteries.
- The vehicle or remote will become unresponsive when batteries are low, at which point you should replace all batteries with new ones.
- Remove the batteries if you will not use the vehicle for a long time.
- Avoid using near furniture or glass to prevent damage to these objects.
- Do not play on roads.
- Do not play in crowded areas to avoid injury or damage. Choose a safe location away from traffic.
- Do not use vehicle during a storm or when lightning or thunder are present.
- Do not use in a wet, sandy or muddy environment as vehicle may become damaged.
- Do not modify or attempt to replace the built-in original antenna on the remote or vehicle. Doing so will damage the set and affect operation.
- Do not pull on any wires that are part of the vehicle. Such action may cause the wires to break and the vehicle to malfunction.
- Keep fingers, hair and clothes away from the truck's spinning tires. Failure to do so may result in physical injury.
- Never aim the vehicle at other people.
- Do not throw the vehicle or purposely hit it with any object.
- Store vehicle in a cool environment, away from high-temperature sources such as fires, stoves, radiators, etc.
- This vehicle has no user-serviceable parts. Do not attempt to modify components or circuit board.
- This toy is only to be connected to equipment bearing either of the following symbols:  or 

RECHARGEABLE BATTERY:

This SAHARA RACER uses an internal rechargeable battery and is not replaceable. If the battery no longer stays charged, dispose of it properly according to local disposal requirements.
CAUTION: If the rechargeable battery leaks fluid, avoid contact with eyes and dispose of the SAHARA RACER.

Limited 90-Day Warranty

NORTH AMERICA

M2 Brands warrants to the original consumer that this product is free from any electrical or mechanical defects for a period of 90 DAYS from the date of purchase. If any such defect is discovered within the warranty period, M2 Brands will repair or replace the unit free of charge upon receipt of the unit, shipped postage prepaid and insured to our warranty center, ALONG WITH THE ORIGINAL RECEIPT OR PROOF OF PURCHASE evidencing that the product was purchased from an approved M2 Brands retail partner and that the product is still within the 90-day warranty period. The warranty covers normal consumer use and does not cover damage that occurs during shipment or failure resulting from alterations, accident, misuse, abuse, neglect, wear and tear, inadequate maintenance, commercial use, or unreasonable use of the unit. Removal of any parts/components voids all warranties. This warranty does not cover the cost of repairs made or attempted by third parties. Any applicable implied warranties, including warranties of merchantability and fitness, are hereby limited to 90 DAYS from the date of purchase. Consequential or incidental damages resulting from a breach of any applicable express or implied warranties are hereby excluded. Some states do not permit limitations on the duration of implied warranties or the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply.

REPAIR/REPLACE PRODUCT

If your product malfunctions or stops working, contact our warranty center immediately (contact details below). If a return is necessary, our warranty department will issue you an RMA number/form and the address of the nearest return center for shipping the product to us. When honoring the warranty, M2 Brands reserves the right to either repair, replace or refund the product.

IMPORTANT NOTICE:

We will reject and return to sender any returns that are not accompanied by an M2 Brands-Issued RMA form and RMA number, so make sure to contact our warranty center before attempting to return your product!

PREPARATION FOR SHIPPING YOUR PRODUCT:

Please repack your product in a durable box, preferably in the original carton, and send it prepaid and adequately insured. Include the RMA form that was issued by our warranty department, along with your daytime telephone number and email address, inside the shipping carton. If your warranty has expired and you still require service, please contact our customer care team. For further information, please email all inquiries to: care@m2brands.com

IMPORTANT NOTICE!

**DO NOT ATTEMPT TO SHIP YOUR PRODUCT BACK
WITHOUT FIRST CONTACTING OUR WARRANTY
DEPARTMENT AT:**

www.m2brands.com

FCC Part 15 C Notice

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

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 experienced radio/TV technician for help.

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.



Conforms to safety requirements of ASTM, FCC and CPSIA.



This product is manufactured by M2 Brands Limited.
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Central, Hong Kong.
www.m2brands.com

Made in China
C002--J5A-V1.0

**SAHARA
RACER**

**1:24 SCALE HIGH-SPEED
ALL TERRAIN VEHICLE**



INSTRUCTION MANUAL

Thank you for purchasing the SAHARA RACER. With proper care, your new SAHARA RACER will provide you with many hours of enjoyment. Please read this instruction manual completely before using the product for the first time and then keep this manual in a handy place for future reference.

FOR AGES
8+

Colors and styles may vary slightly.

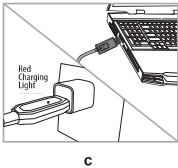
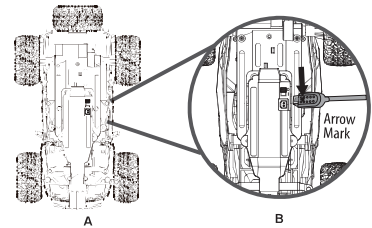
PACKAGE CONTENTS

- 1 SAHARA RACER High Speed Vehicle
- Remote control
- USB charging cord

CHARGING THE BATTERY

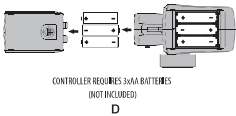
1. Make sure the power button on the SAHARA RACER is off, then insert the square charging plug side of the included USB cord into the trucks charging socket on the bottom of the vehicle. The square plug only fits in one direction. **DO NOT FORCE THE CHARGING PLUG!** (see illustration A,B).
2. Connect the other end of the USB cord into your computers USB port or a USB wall charger (see diagram C). The RED CHARGE indicator light turns OFF while the charging is in progress and ON when the SAHARA RACER is fully charged.
3. Average charging time is approximately 40-50 minutes (via 5.0V ~ 2A USB wall charger). The vehicle operates for approximately 12-15 minutes on full charge.
4. Don't forget the red LED charging indicator on the USB cord turns ON when the battery is fully charged.

**SAFETY TIP: Periodically examine the USB charging cord for external damage. External damage to the charging cord may result in the risk of fire or electric shock. Never use a damaged charging cord or compromised wall adapter.*

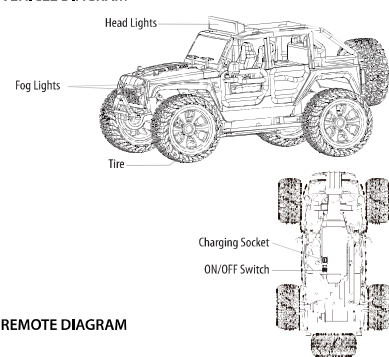


INSTALLING BATTERIES INTO THE REMOTE CONTROL

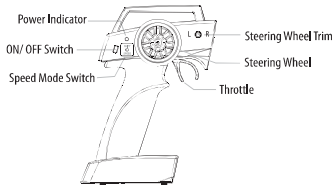
Turn the included remote controller upside down with the battery door facing you. Secure the controller with one hand and with your other hand place your thumb on the center of battery door and slide the cover off (see diagram D). Insert 3 AA batteries (not included) into the battery compartment. Make sure to match the polarity (+ and -) marked clearly inside the battery compartment. Replace the battery cover by sliding it in the reverse direction until you hear a "click" sound notifying that the cover is locked in place and secure.



VEHICLE DIAGRAM



REMOTE DIAGRAM



SYNCING YOUR SAHARA RACER

Your SAHARA RACER utilizes an automatic 2.4G digital channel selection system that allows up to 8 individual players to race side by side in the same wireless range without interference.

FOR SOLO PLAYER:

1. Before starting, make sure that the power on both your remote control and vehicle are in the OFF position (the on/off power button is on the under carriage of the vehicle next to the charging socket)
2. First turn ON the vehicle and set it down on a flat surface. The head lamps will be flashing rapidly letting know that the vehicle has power and is ready for syncing.
3. Next turn ON the remote control. The head lamps should stop flashing and immediately become solid indicating that you have successfully synced your SAHARA RACER.

**Note: If pairing fails first make the sure that batteries are properly installed in the controller and vehicle and then turn both off and repeat steps 1-3 above.*

FOR MULTIPLE PLAYERS:

1. Before starting, make sure that the power on all the trucks and all the controllers are in the OFF position.
2. Following a one by one sequence, each player should sync their vehicle one at a time by follow steps 1 to 3 above.
3. **IMPORTANT:** after syncing each vehicle, make sure to leave each vehicle ON until all players have completed the syncing process.
4. If there is an interference problem, all players must turn off their controllers and trucks and restart the process again.

HOW TO OPERATE YOUR SAHARA RACER:

SPEED SETTINGS

Your SAHARA RACER comes with 3 speed settings for beginner and more advanced drivers; (SLOW, MEDIUM and HIGH). The Default setting when you first turn on your SAHARA RACER is MEDIUM. For beginner drivers we suggest you start in the SLOW SPEED setting (SEE SPEED MODE SWITCH DIAGRAM E). In the low speed setting your SAHARA RACER has all the same proportional steering and proportional acceleration functions as in the high speed setting but the speed is governed for younger drivers and beginners who are just learning how to control their new vehicle. In HIGH SPEED setting the SAHARA RACER can reach its maximum speed and power. Short press speed button you can switch among the 3 speed settings and the beeps indicating which speed you are in. 1 beep stands for slow speed/2 beeps stands for medium speed/3 beeps stands for high speed.



PROPERLY USING THE THROTTLE

The SAHARA RACER is unlike most toy RC cars as it uses digital proportion acceleration. This feature comes from the higher-end hobby car industry and it makes driving your SAHARA RACER so much more fun and controllable! With digital proportional speed your SAHARA RACER has a wide range of sensitivity and speed control. For example: you can practice driving very slowly, you can control the rate of acceleration and you can adjust your speed up and down on the fly creating tight turns or instant straight-away acceleration. The digital throttle is very sensitive so we strongly suggest to begin practicing with a very gentle finger on the throttle until you can begin to understand and feel how to control the speed.

REACHING TOP SPEEDS

The SAHARA RACER has been clocked at speeds above 24MPH. To achieve the vehicles top speeds, you must first have a large open outdoor space with a fairly smooth and hard surface. Make sure you have at least 100 feet of length and 12 feet of unobstructed width for your runway (6 feet on either side of your vehicle). Next make sure your controller speed setting is set to HIGH SPEED mode. Next adjust and test the left/right trim so the SAHARA RACER drives in a fairly straight line without steering wheel input.

Now you're ready! Let go of the steering wheel and allow the tires be held in line by the automatic digital steering control system. From zero start the vehicle rolling by gently, gradually and consistently pulling back the throttle until the throttle stick hits the back wall of the controller.

PRO TIP: You will need to make very tiny left / right steering inputs to keep the SAHARA RACER in a straight line while you push the SAHARA RACER to maximum velocity!

**Road condition, environmental condition and operator skill can affect performance.*

ADJUSTING THE TRIM

The SAHARA RACER comes with a digital proportional steering system. This special steering system allows the driver to perform more accurate turning functions and helps to keep the car in-control on the road! Before starting play, and from time to time after using your SAHARA RACER (especially after a few crashes and rolls), you should adjust your steering trim so the SAHARA RACER drives in a "generally straight" line without touching the steering wheel. On the face of your controller you will see the trim button with an L and R (right and left) on either side (SEE DIAGRAM F) with the power button on and vehicle synced to the controller, slowly turn the trim Dial right and left. You should see the front tires move (note you should not be driving the car or touching the throttle while trimming). Once you feel the tires are straight you should test this by not touching the steering wheel and just gently pulling on the throttle. The car should follow a "generally straight line". Note it is normal for the car to have a slight leftward or rightward drift. This will not affect steering and driving performance.



PROPERLY STEERING THE VEHICLE

The SAHARA RACER has 6-way control with digital proportional steering. The SAHARA RACER has the ability to go straight-forward, straight-backwards, forward-left, forward-right, reverse-left and reverse-right (See Diagram G). Digital Proportional Steering is a unique feature rarely found on toy RC vehicles. With the SAHARA RACER proportional steering system you can accurately control your vehicle in all types of situations making driving this vehicle a blast! We suggest practicing with gentle movements on the steering wheel so you can get used to the feeling and sensitivity of the SAHARA RACER steering system. *Start slow and remember practice makes perfect!*

