



User's Guide

Custom RC Truck Starter Kit

Please read this user's guide before installing, setting up and using your new product.

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XMODS® Custom RC Starter Kit

Here comes the Truck version of the highly-acclaimed XMODS series! The truck series inherits all the features of the first generation, plus some additional ones. Your starter kit includes the following features:

- A full set of factory parts to assemble your truck
- A digital proportional radio controller with built-in steering and throttle trims for precision driving under varying track conditions
- A switchable controller for left and right-handed drivers
- A collapsible radio controller for easy carrying and storage
- Truck weight transfer, so you can optimize driving performance and handling
- 60% more torque than the first generation XMODS
- Climbs up to 45 degrees
- Sharper response for acceleration, brake, and steering

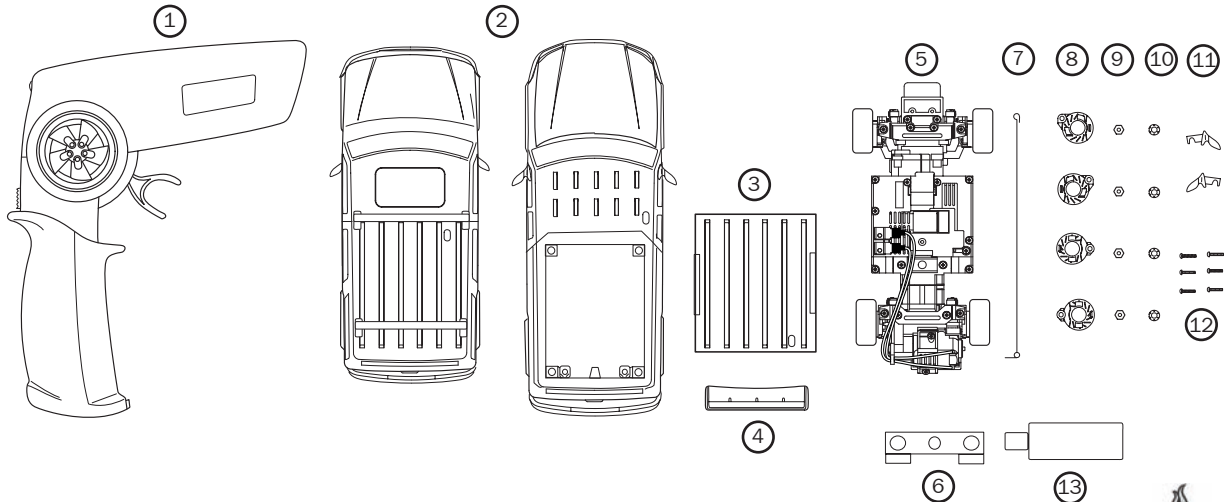
To really get your motor running, customize your XMODS with optional upgrades for both performance and looks, available at your local **RadioShack** store. Check out the line-up of XMODS upgrades online at www.xmodsRC.com.

Important! *The XMODS Trucks are designed for indoor use only. Do not let dirt, water, or other foreign objects get inside.*



Your Custom RC Starter Kit Includes

1. Controller w/antenna
2. Truck body
3. Load-carrying platform bottom (for F-150)
4. Rear spoiler (for F-150)
5. Truck chassis
6. Rear attachment
7. Truck antenna
8. Disc brakes (4)
9. Spare wheel nuts (4)
10. Spare wheel spacers (4)
11. Spare left and right side mirrors
12. Screws (quantity varies according to model)
13. Lug wrench
14. Screwdriver (not shown)
15. Decal sheet (not shown)



Assembling Your XMODS Custom RC

Changing to Disc Brakes

You can replace the knuckle covers with the disc brakes supplied.

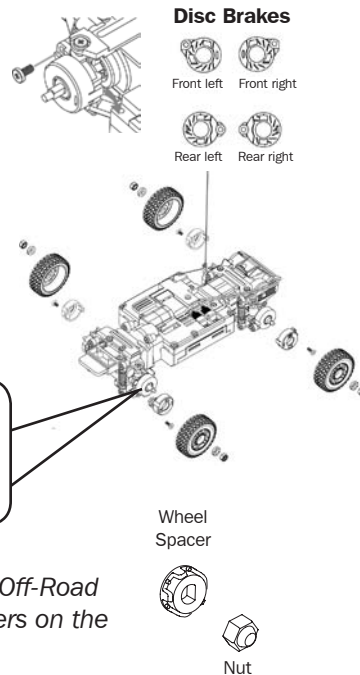
- 1) Loosen and remove the screw on the knuckle cover. Carefully unlatch the claw on the knuckle cover and pull out the wheel shaft along with the knuckle cover. If the wheel shaft comes apart, restore the wheel shaft to its original position. Attach the disc brake and tighten with the screw you just removed. The disc brakes are different for front/rear and left/right. Refer to the illustration and use them correctly.

- 2) Align the flat side of the wheel with the flat side of the axle and slide the wheel onto the same axle.
- 3) Attach the wheel spacers to the wheels.

The flat side of the spacer should face the wheel.

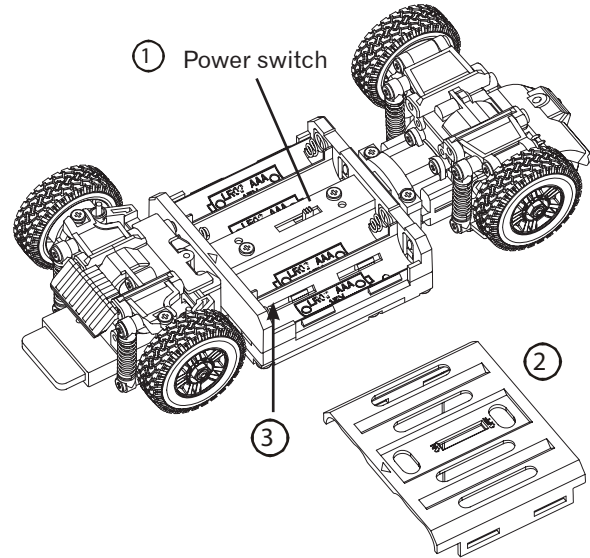
Note: When you want to use the larger tires (that come with the Off-Road Upgrade) on the wheels of this starter kit, you must put the spacers on the shaft first before attaching the wheel to the shaft.

- 4) Screw the wheel nut onto the axle and tighten with the supplied gray lug wrench. **Do not overtighten the wheel nuts!**
- 5) Repeat steps 2—5 for each wheel.



Installing Batteries in the Chassis

- 1) Make sure the power switch on the bottom of the chassis is in the **OFF** position.
- 2) Push either side of the battery compartment cover to disengage the latch, and then lift up the cover.
- 3) Insert four AAA alkaline or rechargeable* batteries in the compartments, matching the polarity symbols (+ and -) marked inside.
- 4) Align the triangle mark on the cover with the triangle mark on the compartment and snap the cover back in place.



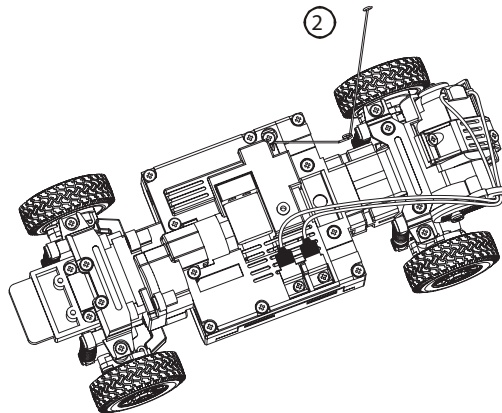
* Pick up an optional battery charger kit with rechargeable AAA batteries (230-0350) at **RadioShack**.



Assembling the Antenna

- 1) Remove the screw on the right side of the chassis. Take care not to lose the washer!
- 2) Thread the screw through the metal loop at the base of the antenna and back into the hole and reinstall.
- 3) Thread the antenna screw back into its slot and tighten.

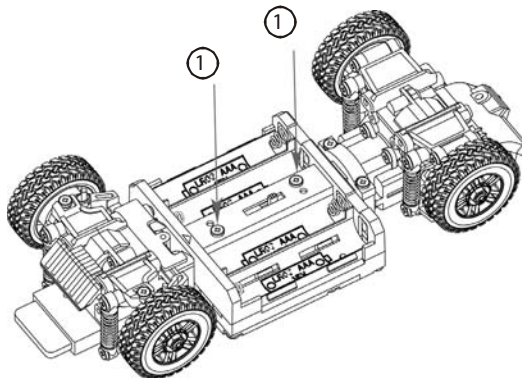
Note: Be sure not to lose the antenna screw washer.



Transferring the Truck's Weight

You can shift the weight of the batteries to transfer your truck's weight for optimal handling during various driving conditions.

- 1) Remove the battery compartment screws.
- 2) Slide the battery compartment to the desired position.
- 3) Reinstall the screws and tighten until snug.



Assembling the Truck Body

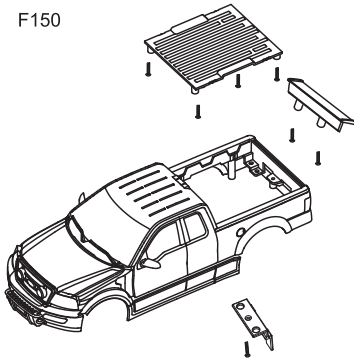
For F-150

- 1) Align the tail part beneath the body. Insert and snugly tighten the two screws.
- 2) Align the load carrying platform beneath the body. Insert and snugly tighten the four screws.
- 3) Align the rear attachment to its stay inside the body. Insert one screw and tighten it.

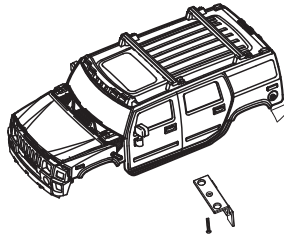
For Hummer and Titan

Align the rear attachment to its stay inside the body. Insert one screw and tighten it.

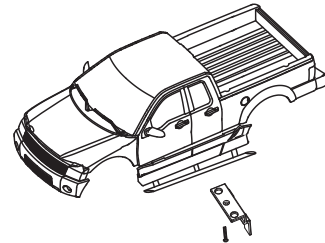
F150



Hummer



Titan



Note: For Titan, side mirrors are not assembled. Assemble with screws.

CAUTION: Overtightening the screws can strip the screw boss.

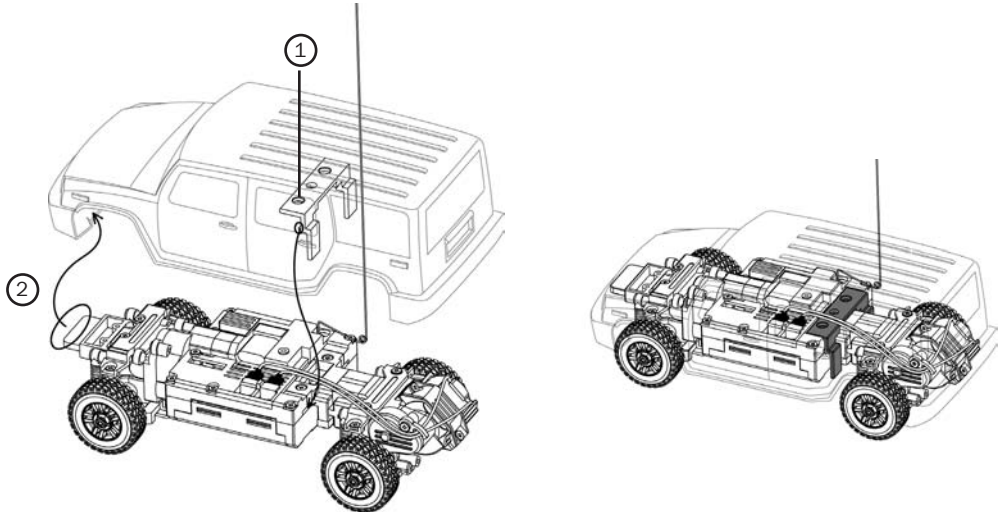


Mounting the Body on the Chassis

- 1) Guide the truck antenna through the antenna hole of the truck body.
- 2) To attach the truck body to the chassis, insert the nose of the chassis into the slot inside the front bumper.

Note: Lower the rear of the body so the lip of the rear attachment enters the slot behind the rear axle.

To remove the body from the chassis, press the lip of the rear attachment gently outward and lift the rear part of the chassis. Then, pull out the nose from the front bumper.



Setting Up Your Controller

Adjust your truck's steering and speed with your controller.

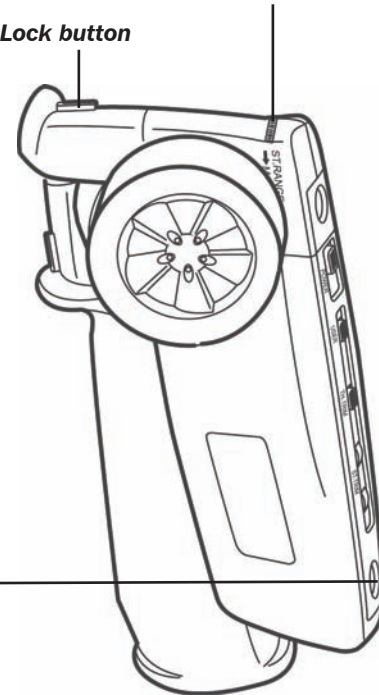
- Unfold the controller.
- Remove the controller antenna from its channel. Insert it into the antenna hole and turn until snug.
- Fully extend the antenna before using.

To store the controller after use

- Unscrew the controller antenna and snap into its storage channel.
- Press the **Lock** button to unlock the controller and then fold.

Snap the antenna in the channel to store (on opposite side)

Lock button



Antenna hole

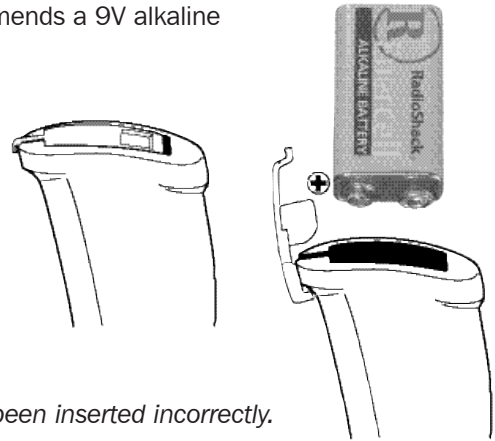


Installing the Battery

Your controller needs a 9V battery. **RadioShack** recommends a 9V alkaline battery.

- 1) Make sure the power switch is in the **Off** (rear) position and the controller is unfolded.
- 2) Place your finger in the battery compartment cover grip, and slide until the cover unlatches.
- 3) Place one 9V battery in the compartment, matching the polarity symbols (+ and -) marked inside.
- 4) Replace the cover and snap it shut.

Note: You cannot shut the cover if the battery has been inserted incorrectly.



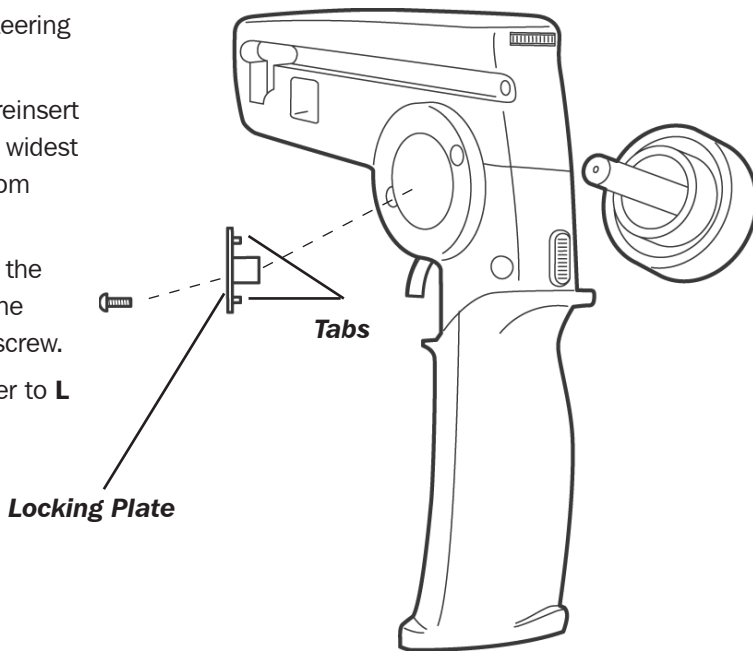
Battery Notes

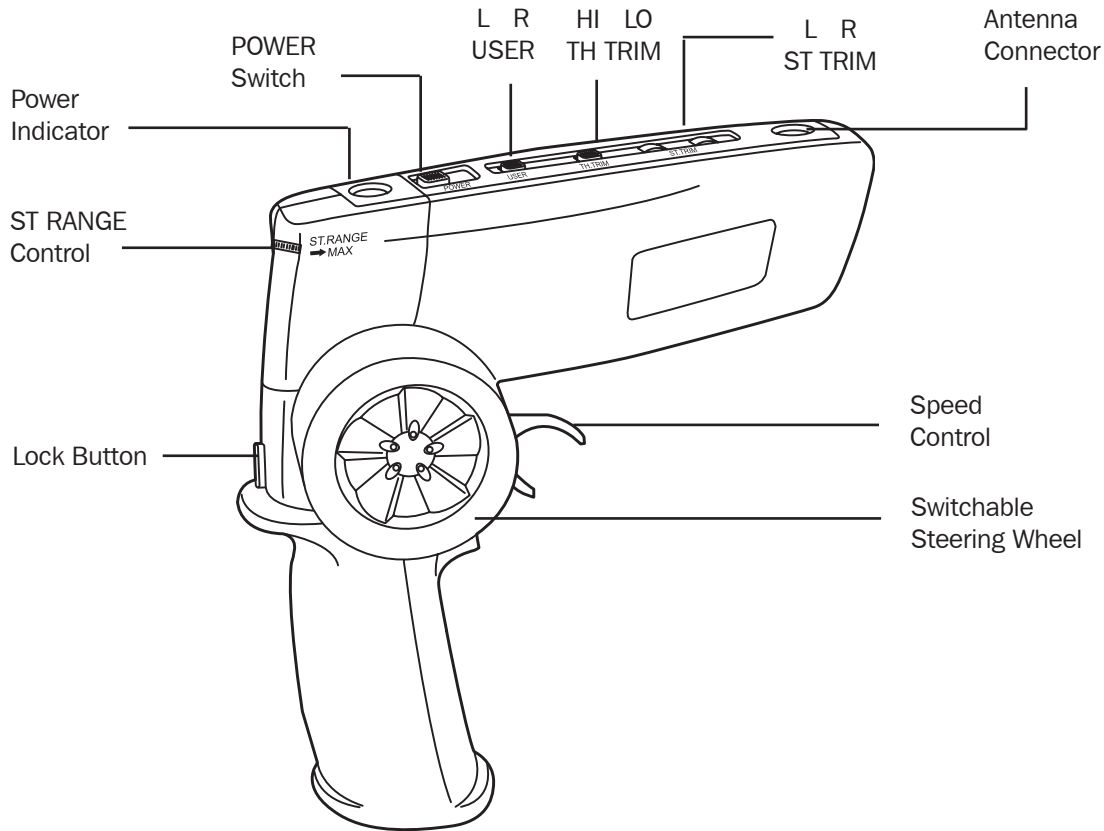
- When you notice the LED dims or the range of your car decreases, replace the battery.
- Dispose of old batteries promptly and properly.
- Do not burn or bury batteries.
- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the vehicle for several days, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.



Changing the Steering Control for Left-Handed Drivers

- 1) Unscrew the screw on the opposite side of the controller from the steering wheel.
- 2) Pull out the steering wheel and reinsert it on the other side, keeping the widest channel on the shaft in the bottom position.
- 3) Correctly align the three tabs on the inside of the locking plate with the controller, and then tighten the screw.
- 4) Set **USER** on top of the controller to **L** for left-handed steering.





Driving Your Truck

After setting up your digital proportional controller (see page 10), turn on your controller and truck. The truck's power switch is on the bottom of the chassis.

Steering Wheel

- Rotate wheel left or right to steer.
- Release wheel to go straight.

Speed Control

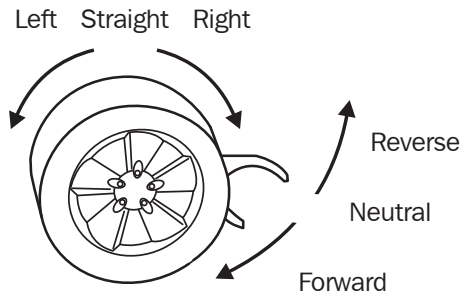
While your truck is not in motion

- Pull the trigger to move forward.
- Push the trigger to drive in reverse.

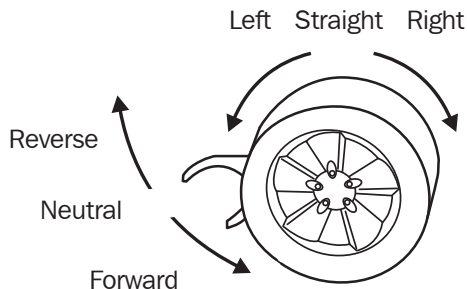
While your truck is in forward motion

- Push the trigger once to brake.
- Push the trigger twice to drive in reverse.

RIGHT-HANDED STEERING



LEFT-HANDED STEERING



Fine Tuning

Brake

When you want to immediately stop the truck's forward movement, push the trigger backwards. The electric brake activates and the vehicle stops immediately. Release the trigger, and push it again to start driving in reverse.

Steering Range

Set **ST RANGE** to adapt your truck's steering angle to different track conditions. Set it to **MAX** (right) for sharper turns and to **MIN** (left) for looser turns.

Throttle Trim

Set **TH TRIM** on top of the controller to control your truck's acceleration. Set it to **LO** for maximum maneuverability on a race track with lots of curves and **HI** for maximum speed.

Steering Trim

If your truck does not drive straight when you release the steering wheel, adjust **ST TRIM** on top of the controller. Place the vehicle on a block or turn it over so the tires do not touch the ground. Turn the transmitter and vehicle on, and press **L** or **R ST TRIM** until the tires point directly forward.

*(NOTE: **ST TRIM** will revert to the factory setting when the controller has been turned off.)*



When You Finish Driving

- Always turn the vehicle off first! Then turn your controller off. Finally remove the controller antenna from the antenna hole.
- To store your controller, unscrew the controller antenna and insert it into its storage channel. Then, press the **Lock** button to fold your controller.
- Remove the batteries from your vehicle after you finish driving. Batteries can leak chemicals that may destroy electronic parts.

Notes

- If your truck's motor runs, but it does not respond to the controller, move closer to the truck and try again.
- You cannot operate your truck near devices with controllers that use the same frequency. The frequency used in your XMODS is identified by color (and frequency) on the label of the vehicle and controller crystals. See following frequency chart:

Band 1	26.995 MHz	Brown
Band 2	27.045 MHz	Red
Band 3	27.095 MHz	Orange
Band 4	27.145 MHz	Yellow
Band 5	27.195 MHz	Green
Band 6	27.255 MHz	Blue



- Only use the antenna attached to this product.
- To compete with a friend who has the same vehicle as yours, you can change the frequency by changing the crystals in your truck and controller. See “Optional Upgrade Kits on page 18.”
- If your truck moves slowly with new or recharged batteries, check the wheel mechanisms for lint, thread, hair or dust.
- CBs and other RC controllers could interfere with your ability to control your truck. If this happens, increase the distance between the interfering devices until normal control of your vehicle resumes.
- If a static discharge causes your controller to become unresponsive, turn it off and then back on.



Optional Upgrade Kits

Modify and personalize your XMODS truck with optional motor upgrades, body kits, steering and suspension upgrades, and more. Check out the entire XMODS line and accessories at **RadioShack** and online at www.xmodsRC.com.

Stage 2 Motor Upgrade (60-8566)

Change the speed, handling, and torque of your truck with different combinations of gears. This kit contains a new motor with different pitch gears.

4-Wheel Drive Upgrade (60-8573)

Increase your driving performance with all-wheel drive.

Custom Suspension and Drop Upgrade (60-8569)

Fine tune your truck's handling by upgrading the tie-rods, suspension springs, and dampers. Drop Upgrade increases stability.

Off Road Upgrade (60-8572)

Convert your truck to go over gaps by wearing big tires and chassis lift.

Custom Slammed Wheel and Tire Upgrade (60-8574)

Adapt to a variety of driving conditions with these 3 different sets of tires and wheels.



Crystal Racing Set (60-8507)

When paired with crystal bands 1 to 6, you can simultaneously race up to 12 XMODS by selecting a pair of the crystals not used by other drivers in your race. Use only the crystals designed specifically for XMODS series. Crystal sets available in bands 7 to 12 on www.radioshack.com.

Command Logic™ Ground Effects Kit (60-8565)

Decorate your truck with a cool green undercarriage light.

Command Logic™ Light Kit (60-8557)

Add realistic lighting to your vehicle with working LED head lights and tail lights.

Precision Metal Bearings Upgrade (60-8567)

Enjoy the smoothest operation and reduced friction by upgrading to metal bearings on your custom RC.

Tool Kit (60-8519)

All the tools you need to upgrade your XMODS Custom RC.

Rechargeable NiMH Battery Upgrade (230-0350)

Save time and money over regular alkaline batteries with a battery charger and rechargeable AAA NiMH batteries.

Body Kits (F-150: 60-8570, Hummer: 60-8571, Hummer to F-150: 60-8576, Titan: 60-8578)

Change the body of your XMODS with different bumpers, skirts, hoods, and spoilers. With the 60-8576 kit, you can transform the Hummer starter kit to the F-150. Visit your local **RadioShack** store or log on to www.radioshack.com or www.xmodsRC.com and check out the latest body kits.



Important!

The XMODS Truck series is designed for indoor use only. Do not let dirt, water, or other foreign objects get inside.

Notes: The following Upgrade Kits are for Evo series only and cannot be used for the Truck.

- 60-8503 Foam Tire and Wheel Upgrade
- 60-8504 Performance Tire Upgrade
- 60-8526 Custom Wheel Upgrade
- 60-8536 Aluminum Wheel Upgrade
- 60-8538 Drifting Kit
- 60-8556 High Performance Suspension & Steering Upgrade
- 60-8562 All Wheel Drive Upgrade
- 60-8564 Race Suspension Tuning Upgrade

Care

Keep your XMODS dry; if it gets wet, wipe it dry immediately. Use and store your XMODS only in normal temperature environments. Running your XMODS continuously for long periods can generate high heat levels. Handle your XMODS carefully and do not drop it. Keep your XMODS away from dust and dirt. You can wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with your XMODS' internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your XMODS is not performing as it should, take both the truck and the controller to your local **RadioShack** store for assistance.



Troubleshooting

Vehicle does not move or steer.

- Check if batteries for the vehicle and the controller are weak. Replace the batteries, or recharge them if you are using rechargeable batteries. Blinking of the power indicator on the controller indicates the battery is weak.
- Static discharge may have interfered with controller operation. Turn the controller off and then back to on.
- Check the wheel mechanisms for lint, thread, hair or dust.
- Move closer to the vehicle and try again.

Vehicle does not drive straight even when you release the steering wheel.

- Adjust **L** and **R ST TRIM** of the controller. See Page 15.

Controlling range narrows down.

- Check the frequency of your neighbor driver's vehicle. Vehicles with the same frequency or adjacent frequencies may interfere with each other. See Page 16. Also see Page 19 for Crystal Racing Set.



RF Emissions Information

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.

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.

If you experience problems with your truck or transmitter, take it to your local **RadioShack** store for assistance or visit www.RadioShack.com to locate a store near you.

Refer to Page 16 for your vehicle's carrier frequency (27.195 MHz for F-150, 27.255 MHz for Hummer, and 27.195 MHz for Titan). The field strength is 27.125 MHz - 75.3dB μ V/m at 3m.

Only use the antenna attached to this product.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This radiocommunication device complies with all the requirements of Industry Canada Standard RSS-310.

Ce dispositif de radiocommunication rencontre toutes les exigences de la norme CNR-310 d'Industrie Canada.

L'utilisation de ce dispositif est autorisée seulement aux deux conditions suivantes : (1) il ne doit pas produire de brouillage, et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.



Limited Ninety-Day Warranty

This product is warranted by **RadioShack** against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from **RadioShack** company-owned stores and authorized **RadioShack** franchisees and dealers. EXCEPT AS PROVIDED HEREIN, **RadioShack** MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, **RadioShack** SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF **RadioShack** HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the **RadioShack** sales receipt as proof of purchase date to any **RadioShack** store. **RadioShack** will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of **RadioShack**. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a **RadioShack** Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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