



WAVERIPPER™
RADIO CONTROL TMH™ POWER



TYCO R/C SERVICE CENTER



If you have questions or difficulty operating this vehicle,
DO NOT RETURN IT TO THE STORE!
Call Toll-Free **1-888-557-TYCO (1-888-557-8926)**
for technical help, or **RAPID** parts and service assistance.

37552-0920
MODEL NO. 37553 (27 MHz)
MODEL NO. 37554 (49 MHz)

Keep these instructions for future reference: they contain important information.

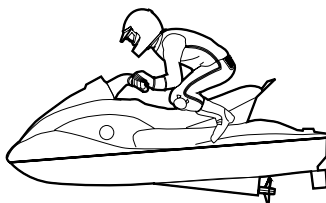
FEATURES

- Full Function
- 2 frequencies Available (27 MHz and 49 MHz)
- Range up to 65'/20m

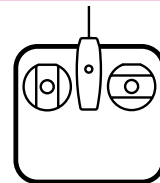
"SMART CIRCUITRY"

Your new vehicle is equipped with advanced "Smart Circuitry" designed to protect its electronic components under extreme operating conditions. If your vehicle stops running during use, simply allow the joysticks to return to their neutral positions momentarily, then resume normal operation.

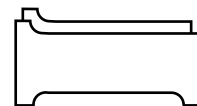
CONTENTS



(1) TMH™ Power WAVERIPPER™ Vehicle



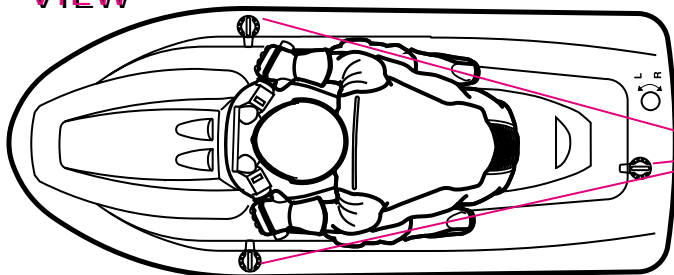
(1) Transmitter



(1) Stand

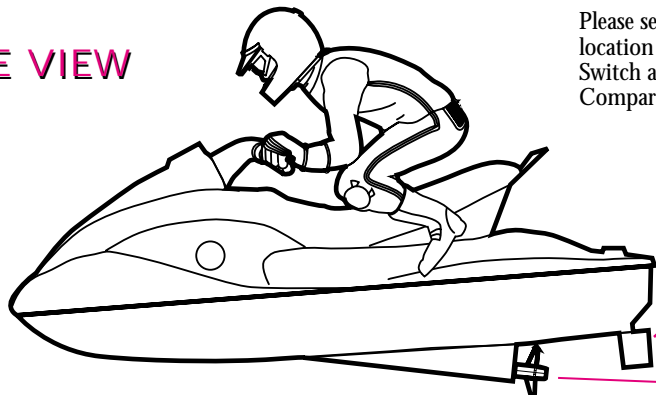
TOP VIEW

Powerful Mabuchi Motor



Battery Vehicle Latches (3)

SIDE VIEW



Please see Step 2 for location of ON/OFF Switch and Battery Compartment

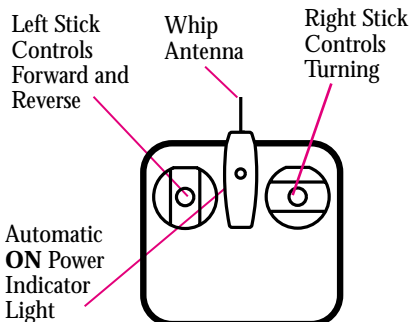
Steering Rudder

Propeller

TRANSMITTER



Your transmitter is equipped with a special automatic ON battery-saving feature. Just turn your vehicle ON. Then push either transmitter stick and you will be able to run and control your vehicle.



Refer to label on transmitter and vehicle for frequency. Don't race vehicles with the same frequency.

STEP**1**

BATTERY CHARGING/CARE

(Batteries and Charger not included)

Your vehicle will not operate without the TYCO® R/C TMH™ FlexPak™ Battery Pack and Charger. The TMH™ FlexPak™ battery pack is designed for use exclusively in TYCO® R/C TMH™ Power vehicles. It will not work in any 6.0V or 9.6V NiCd battery-powered vehicles.

Your TMH FlexPak battery pack features a unique design (Patent Pending) which allows it to be configured in different ways for use in different Tyco® R/C TMH power vehicles. This feature allows maximum performance for each vehicle. To configure your FlexPak battery pack for use in this vehicle, please refer to Step 2, Battery Installation.

- 1.** Plug the battery charger into standard wall outlet.
- 2.** Hold the battery pack fully open, with the metal contacts at the top, as shown. The labels marked **1** and **2** in the upper left-hand corner should be facing you. Now slide the battery pack securely into the charger.
- 3.** To disconnect, push the red button on the side of the charger. Hold the red button down while you slide out the battery pack.
- 4.** New battery packs must be charged for 5 1/2 hours the first two times charged. After that, subsequent charges will require only 4 hours.
- 5.** After charging, the battery pack will feel warm. This is normal for fully charged batteries.
- 6.** Unlike alkaline batteries, which lose power gradually, your TMH FlexPak battery will run for its normal running time, depending on your particular vehicle, and then lose most of its power at once. It is now time to recharge the battery pack.
- 7.** Unlike NiCd (Nickel-Cadmium) rechargeable batteries, your TMH FlexPak battery pack may be recharged at any time, irrespective of the level of charge remaining in the battery: you do not have to wait until the battery pack is fully discharged to recharge it.
- 8.** After use, the battery pack will be hot! Wait at least 20 minutes until the battery pack cools down before recharging. Recharging a hot battery will greatly reduce the number of times your battery pack can be recharged.

BATTERY PACK CARE

Because of its unique design, other battery chargers will be unable to charge your TMH FlexPak battery pack. To charge your battery pack, use only the Tyco® R/C TMH FlexPak battery charger.

CAUTIONS

- **DO NOT RECHARGE BATTERY PACK IF IT'S HOT. ALLOW IT TO COOL BEFORE RECHARGING.**
- **DO NOT RECHARGE A BATTERY PACK THAT SHOWS LEAKAGE OR CORROSION.**
- **DO NOT DISASSEMBLE THE BATTERY PACK. THE BATTERY PACK IS A SEALED RECHARGEABLE NICKEL-METAL HYDRIDE (NiMH) BATTERY.**
- **DO NOT DISPOSE OF THE BATTERY PACK IN FIRE.**
- **EXERCISE CAUTION IN HANDLING A HOT BATTERY PACK.**
- **IF BATTERY PACK AND/OR CHARGER ARE WET, THOROUGHLY DRY BEFORE CHARGING.**
- **DO NOT RECHARGE NON-RECHARGEABLE BATTERIES.**

SPECIAL NOTE TO ADULTS:

- Remove rechargeable batteries before recharging. Recharge batteries only under adult supervision.
- Regularly examine for damage to the plug, enclosure and other parts. In the event of any damage, the toy must not be used with the transformer until the damage has been repaired.
- This toy is not intended for children under 3 years old. The transformer is not a toy.

IMPORTANT BATTERY INFORMATION:

- Insure that battery polarity is correct.
- Use only batteries of the type recommended (or equivalent).
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Remove used-up batteries immediately. Remove batteries if vehicle will not be used for a long period.
- For best performance use alkaline batteries. Battery life may vary depending on battery brand. Toy performance may decrease as batteries weaken.
- Do not recharge non-rechargeable batteries.
- Do not short-circuit terminals.
- Remove rechargeable batteries before recharging. Recharge batteries only under adult supervision.
- Dispose of batteries safely.

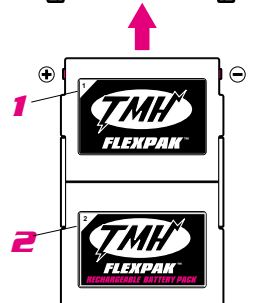
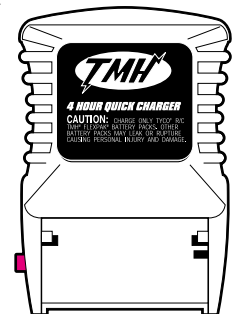


TMH™ FlexPak™ Battery Pack and Charger



Additional TMH™ FlexPak™ Battery Pack

Have additional Battery Packs charged ahead of time for longer non-stop racing action. Uses the TMH FlexPak Charger.



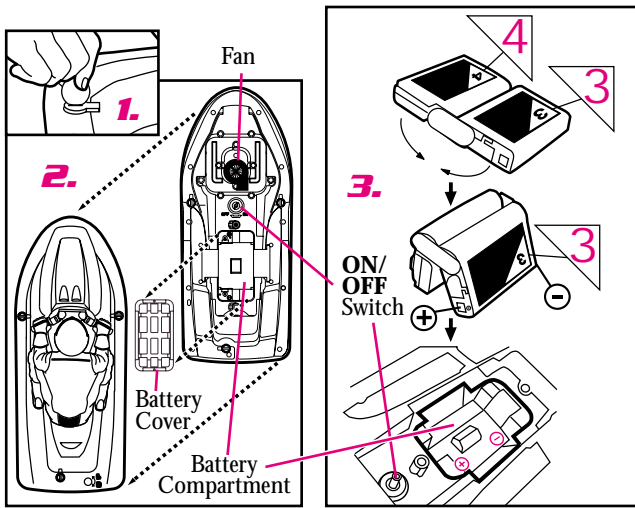
Unlike NiCd (Nickel-Cadmium) rechargeable batteries, your **TMH FlexPak** battery pack requires no special procedures or precautions for disposal. However, as with all products, you should dispose of your battery pack in an environmentally responsible and considerate manner.



STEP 2

BATTERY INSTALLATION (and removal)

Please refer to drawings below.



VEHICLE

1. Open vehicle latches (you may want to use a coin to turn the latches).
2. Lift off vehicle top section as shown. The ON/OFF switch and the battery compartment are located underneath. Make sure the vehicle switch is in the OFF position. Open battery compartment latches and lift off battery compartment cover.
3. Fold the FlexPak battery pack as shown, with the metal battery contacts as shown. Install the battery pack in the battery compartment as shown.
4. Replace the battery compartment cover and turn battery compartment latches to secure. Turn vehicle switch to the ON position.
5. Replace vehicle top section and secure latches.

💡 Never operate your vehicle without the battery compartment cover AND the vehicle top section properly closed and latched!

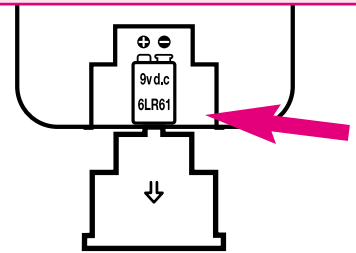
💡 CAUTION: Keep fingers, hair and loose clothing away from the battery compartment fan while the vehicle is switched ON.



Estimated run time for this vehicle: 10-15 minutes

Transmitter

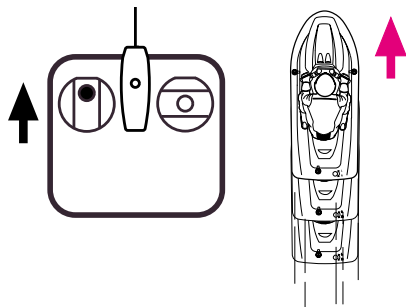
1. Install one 9-volt (6LR61) battery with polarity (+/-) as shown inside battery compartment.
2. The transmitter battery will last much longer than the run time of the TMH FlexPak rechargeable battery pack.



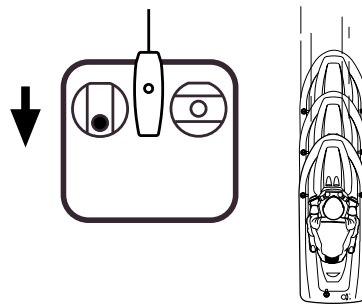
STEP 3

SPECIAL CONTROLS & DRIVING MODES

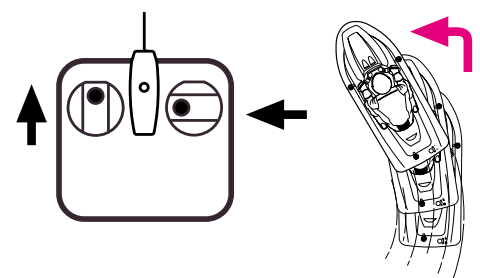
FORWARD



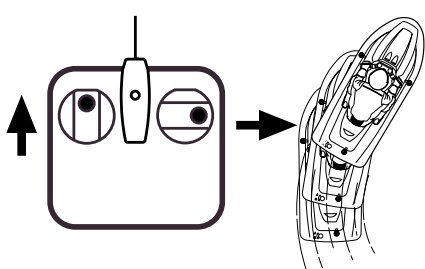
REVERSE



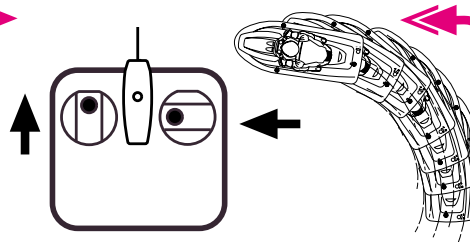
LEFT TURN



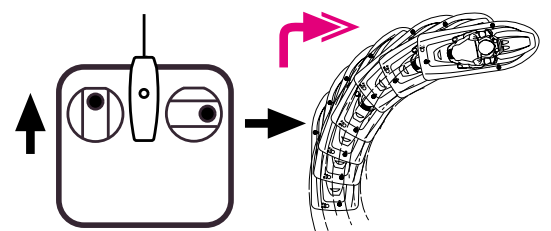
RIGHT TURN



WATERWHEEL LEFT



WATERWHEEL RIGHT



Quick Reference

This section is only a quick reference guide. Please read this entire manual thoroughly before operating your vehicle.

1. Give your TMH FlexPak battery pack a full 4-hour charge and then install in vehicle.
2. Turn vehicle switch ON. Press either joystick and you will be able to run and control your vehicle.
3. After its normal running time, your vehicle will lose most of its power at once. The TMH FlexPak battery pack is near total power loss and needs to be recharged.
4. Turn vehicle switch OFF.

Tips & Hints

1. The radio circuitry in your vehicle and transmitter is sensitive. Do not store vehicle or transmitter near heat or in direct sunlight. After each use, remove water from vehicle using a clean dry cloth.
2. Operate your vehicle only in calm, clear water. Pools and shallow ponds are recommended. Do not operate in salt water. Do not expose vehicle to water unless the battery compartment is properly closed and locked.
3. Pay close attention to your elapsed running time and the level of charge remaining in the battery. That way you can be sure that your vehicle will be able to return safely under its own power.
4. Turn vehicle switch to the OFF position and remove battery pack when not in use.

5. When your vehicle runs erratically, the problem is usually the result of interference caused by high tension wires, CB radios, or other R/C vehicles running nearby on the same frequency as yours. You may have to choose an alternative place to race.
6. Do not expose the transmitter to water. If the transmitter is accidentally exposed to water, remove the transmitter battery and allow the transmitter to air-dry. Replace with a fresh battery before resuming operation.

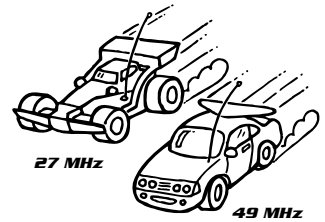
Safety Precautions

Adults, this toy is recommended for children 8 years of age and older. To ensure that the child's play is both safe and fun, please review the operating instructions and these general safety rules with the child.

Caution

- DO NOT pick up vehicle while in motion.
- Keep fingers, hair and loose clothing away from the propeller while the vehicle is switched ON.
- Adult supervision is recommended when this toy is being operated.
- To avoid accidental operation, remove battery pack when not in use.
- Do not operate near swimmers. Stand away from the water's edge when operating.

1. Radio interference is caused by the presence of another radio controlled vehicle operating on the same frequency as your vehicle. Multiple vehicles should **NOT BE OPERATED ON THE SAME FREQUENCY** at the same time.



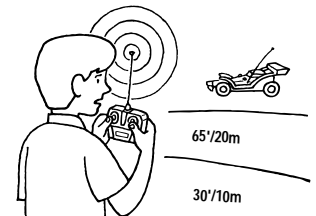
2. Radio interference can be caused by the operation of your vehicle near **HIGH VOLTAGE ELECTRICAL WIRES, LARGE STEEL REINFORCED CONCRETE BUILDINGS** and **PASSING TRUCKS WITH CB RADIOS**. Avoid these if possible.



3. Your vehicle is designed for operation in fresh water. **AVOID SALT WATER OPERATION. DO NOT EXPOSE THE TRANSMITTER TO WATER.**



4. For best results, hold antenna up, not pointed down toward R/C vehicle. If you drive your vehicle **TOO FAR AWAY FROM THE TRANSMITTER**, your signal strength will become weak and vehicle will not function properly. The maximum range for the vehicle should be between 30'/10m and 65'/20m.



TROUBLESHOOTING PROBLEM? - SOLUTIONS

Symptom	Probable Cause	Correction
Vehicle runs slowly or will not run.	<ul style="list-style-type: none"> • Loose battery connection or vehicle switch not ON. • Weak or uncharged rechargeable battery. • Weak transmitter battery. 	<ul style="list-style-type: none"> • Check battery connector and vehicle switch. • Charge battery or replace. • Replace with fresh transmitter battery.
Erratic operation or only short range possible.	<ul style="list-style-type: none"> • Radio interference likely. 	<ul style="list-style-type: none"> • Change location (see point 5 - Tips & Hints).
Short battery life.	<ul style="list-style-type: none"> • Battery not fully charged. 	<ul style="list-style-type: none"> • Recharge TMH FlexPak battery pack. For maximum running time, make sure you give your battery pack a full 4-hour charge.

COMPLIANCE WITH FCC REGULATIONS

THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES. OPERATION OF THIS DEVICE IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE.
(2) THIS DEVICE MUST ACCEPT ANY HARMFUL INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

This device generates and uses radio frequency energy and if not used properly may cause interference to radio and television reception. It has been tested and found to comply with the limits set by the FCC, which are designed to provide reasonable protection against such interference.

CAUTION: FCC Regulations state that changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.