

INSTRUCTION MANUAL

THIS MODEL IS NOT A TOY!

THESE INSTRUCTIONS SHOULD BE READ BY A SUPERVISING ADULT

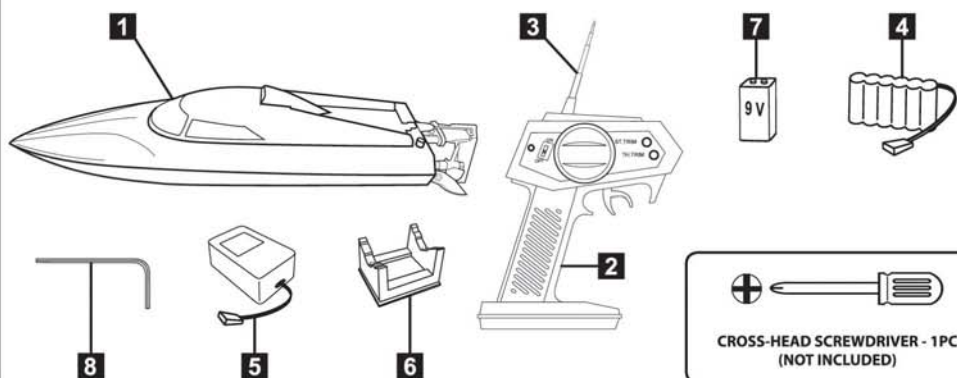
MAGIC VEE RTR

ITEM NO. 8101

CONTENTS OF SET

- 1) Magic Vee Racing Boat
- 2) Transmitter
- 3) Transmitter Aerial
- 4) 7.2V Power Pack

- 5) AC Fast Charger (for Power Pack)
- 6) Boat Stand
- 7) 9V Dry battery (for Transmitter)
- 8) Allen Key (for Turn Fins)



IMPORTANT

The Magic Vee is designed for use in fresh water only. It is not designed for use in salt water!

The Magic Vee is not intended for persons under 14 years of age, unless closely supervised by an adult.

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

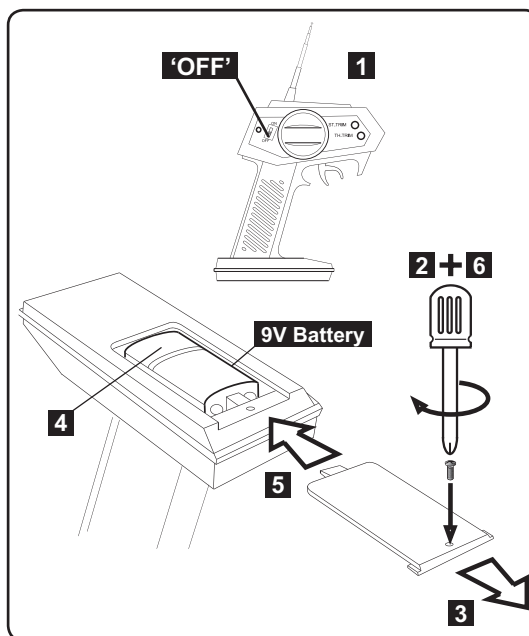
INSTALLING THE 9V DRY BATTERY IN YOUR TRANSMITTER

Always use a fresh 9V battery in the transmitter.

- 1) Ensure transmitter 'ON/OFF' switch is in the 'OFF' position.
- 2) Remove battery cover screw.
- 3) Remove battery cover by pressing down on the embossed arrow and sliding the cover as indicated.
- 4) Insert 9V battery, noting correct location (polarity + or -).
- 5) Slide battery cover back into place.
- 6) Re-fit battery cover screw.

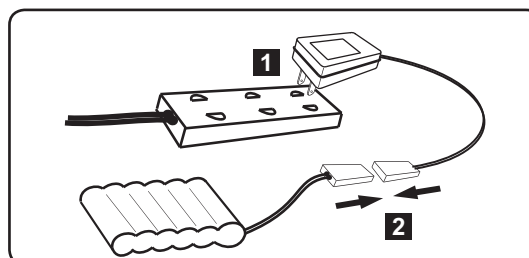
NOTE 1: The Magic Vee is supplied with a start-up 9V dry cell battery. Once this battery is depleted, please replace it with another dry cell 9V battery (alkaline recommended) or fully charged 9V rechargeable battery. Remove 9V battery from the transmitter if you do not intend to use it for a period of time.

NOTE 2: When the transmitter battery (dry cell or rechargeable) is at the end of its life, it should be disposed of at an approved battery recycling centre. **DO NOT DISPOSE OF IT IN HOUSEHOLD WASTE!**



CHARGING THE 7.2V POWER PACK

- 1) Plug the supplied charger into a mains outlet socket.
- 2) Connect 7.2V Power Pack to charger as indicated. Do not force the connectors together - they only attach one way!
- 3) The 7.2V Power Pack will charge from flat in just over 1 hour. Do not overcharge. Do not leave 7.2V Power Pack and charger unattended when charging.



- The 7.2V Power Pack is not supplied pre-charged and you must charge it fully before using your Magic Vee for the first time.
- The 7.2V Power Pack and charger will get warm whilst charging. This is normal. Do not charge on, or near to, a material/surface that is flammable or one that can be damaged by heat.
- The 7.2V Power Pack can be re-charged many times before it needs replacing. When the 7.2V Power Pack no longer holds a charge (is dead), it should be properly recycled.

DO NOT DISPOSE OF IT IN HOUSEHOLD WASTE!

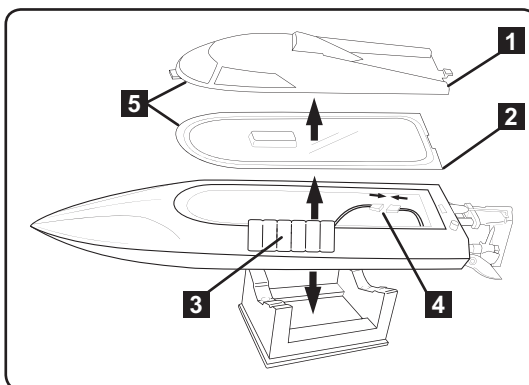
NOTE 1: The Magic Vee will typically run for around 8 minutes on a fully charged 7.2V Power Pack. As soon as you notice a drop off in speed you should bring the model back to shore or control may be lost.

NOTE 2: If you want to run your Magic Vee for extended periods, you can purchase additional 7.2V Power Packs. Details are given at the end of these Instructions. However, continuous running of the model will generate high heat levels, which will lead to premature wear of the motor. Once your power pack is exhausted, we recommend that you let the model cool down for 5~10 minutes before installing a fresh power pack.

INSTALLING THE 7.2V POWER PACK IN THE MAGIC VEE

(Model should be placed on its supplied boat stand)

- 1) Remove the Magic Vee's upper deck by pulling carefully on the catch at its rear section.
- 2) Remove the clear plastic cover.
- 3) Insert the 7.2V Power Pack into the left side of the hull.
- 4) Attach the 7.2V Power Pack's connector to the matching connector in the Magic Vee. Do not force them together - they only attach one way!
- 5) Replace the clear plastic cover and re-position the upper deck.



HOW TO CONTROL/OPERATE YOUR MAGIC VEE

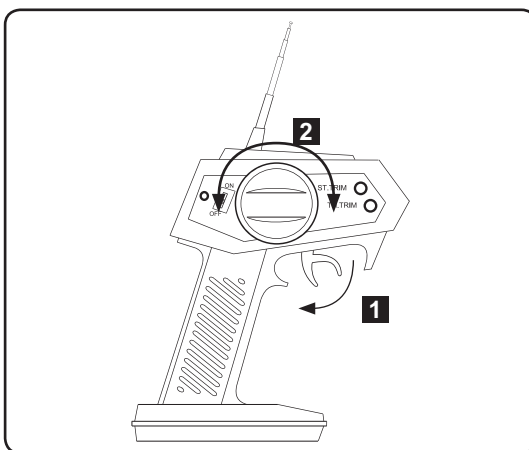
1) Forward Throttle Trigger

Your Magic Vee can be driven forward by pulling the throttle trigger. Release the trigger and the Magic Vee will stop.

2) Left/Right Steering Wheel

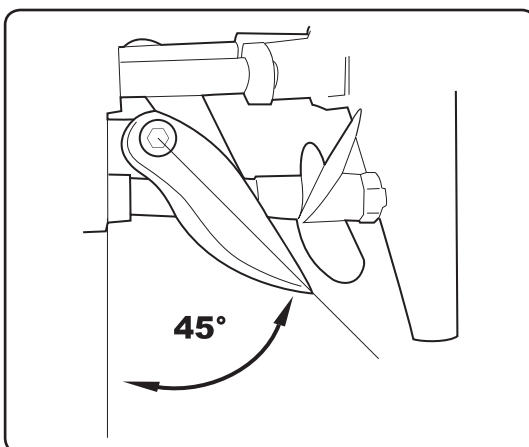
The steering wheel controls the Magic Vee's left and right movement. Turn the wheel to the left to steer to the left. Turn the wheel to the right to steer to the right. Release the wheel to go straight.

Racing Tip: The Magic Vee is an oval racer, designed for clockwise racing, and will be less responsive to steering inputs at high speed, particularly left turns. Decrease your speed to allow tighter turning.



TURN FINS

The Magic Vee features adjustable turn fins to aid in turning. These can be adjusted using the included Allen key. The optimum angle of adjustment is 45 degrees to the hull.



DRIVING YOUR MAGIC VEE

- 1) Extend the transmitter's aerial to its full length and switch 'ON' the transmitter. Check that the transmitter's red LED glows brightly.
- 2) Check that the turn fins are adjusted correctly.
- 3) Switch 'ON' the Magic Vee (connect the 7.2V Power Pack).
- 4) Check that the propeller and the rudder respond to transmitter inputs before placing the Magic Vee on the water.

AFTER USE

- 1) When you have finished using your Magic Vee, you should first switch 'OFF' the model (disconnect the 7.2V Power Pack), then switch 'OFF' your transmitter, and carefully retract the transmitter aerial.
 - Retract the transmitter aerial by pulling down from near its base, not by pushing down from its tip.
- 2) Remove all batteries from the transmitter and model.
- 3) Leave the Magic Vee's upper deck and clear plastic cover off to allow moisture to evaporate. Ideally, place the model in this way in a warm and dry place, like an airing cupboard, until you are sure it is dry and then store it away.

NOTE: If the Magic Vee begins to bob when running, it may have taken on an excessive amount of water. In this case, you should immediately return to shore, remove the upper deck and clear plastic cover and drain the water from the hull.

IF THE MAGIC VEE DOES NOT RUN IN A STRAIGHT LINE

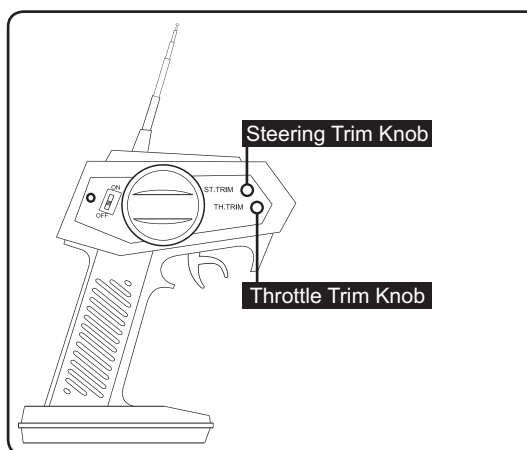
If your Magic Vee does not run in a straight line when not being steered, you can adjust it by using the steering trim located on the upper right hand side of the transmitter.

- 1) Run your Magic Vee on calm water when adjusting the steering. If your model runs to the right when not being steered, turn the trim control knob a little to the left, re-centre the model and see if this has corrected the problem. Keep making small adjustments in this way until the model runs straight.

Turn the trim knob to the right to correct if your model steers to the left without being steered in the same way as detailed above.

- 2) You can also adjust the Magic Vee's throttle response using the Throttle Trim, located under the Steering Trim on the transmitter.

If, when you connect the 7.2V Power Pack, the Magic Vee's propeller starts turning without transmitter input, you can adjust it back to neutral (stopped) by turning the Throttle Trim knob to the left. You should adjust this trim so that the propeller starts to turn as soon as you depress the transmitter's trigger, but the propeller stops turning immediately the trigger is released.



CAUTION!

Please observe the following warnings.

DURING OPERATION

- The transmitter has a range of approximately 15m outdoors, although this will vary depending on your surroundings and battery strength. Do not operate your Magic Vee outside this distance or control will be lost.
- Ensure that all batteries are correctly installed and that the 7.2V Power Pack is fully charged.
- Do not operate your Magic Vee in areas with strong currents, in salt water or areas of water with large waves.
- Do not touch moving parts during operation, especially the propeller.
- Do not let your Magic Vee run aground, as this can cause damage.
- If you lose control of your Magic Vee, never wade into deep water or water with strong currents to retrieve it. First, hold the transmitter as high as you can to try to re-establish control. If this does not work, find another way to move closer to the model, but do not endanger yourself in the process!

STORING YOUR MAGIC VEE SAFELY

- Always remove all batteries before storing your Magic Vee.
- Never store your Magic Vee near naked flames, in high temperatures (including radiators) or in direct sunlight.
- Never store your Magic Vee near water, outdoors or in the rain.
- Ideally, store your Magic Vee and transmitter in the box in which they were supplied.

CARE WITH RECHARGEABLE BATTERIES (THE POWER PACK)

Care must be taken when handling rechargeable batteries (the Power Pack) to avoid the possibility of injury and/or damage to property. Do not short circuit, disassemble or incinerate rechargeable batteries. It is very dangerous to disregard these warnings.

GENERAL INFORMATION FOR THE SAFE OPERATION OF YOUR MAGIC VEE

Please follow these simple rules to ensure safe operation and gain the maximum enjoyment from your model.

- Avoid overloading your model. Never run it in areas where its movement will be restricted, e.g. areas where there is pond weed, etc., as this can over stress the motor.
- Ensure nothing prevents the smooth running of moving parts.
- Do not run your model in confined spaces.
- Ensure that nobody is operating on the same radio frequency as you. If you do detect interference, move to another location.
- Never run your model in a public space where it might upset or endanger people or wildlife.
- Immediately switch 'OFF' your model and transmitter and retract its aerial if you see lightning or hear thunder. Never use your model in the rain.

Do not dismantle or tamper in any way with this R/C vehicle and its transmitter. The manufacturer and distributor will accept no responsibility, expressed or implied, for accidents or injuries caused as a result of disassembly, modification and/or usage against the Instructions for this product.

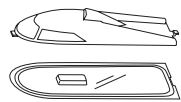
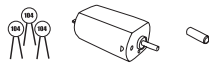




Tampering or modification will also invalidate the guarantee.

TROUBLE SHOOTING

Check using the chart below before returning your Magic Vee for repair as many problems can be easily solved.

PROBLEM	CAUSE	REMEDY
Model will not move	No battery in transmitter/model Battery installation is incorrect Weak battery in transmitter Weak batteries in model Radio interference	Install batteries Install batteries correctly Install a fresh battery Recharge 7.2V Power Pack Move to a new location
No control of model	Weak battery in transmitter Radio interference	Install a fresh battery Move to a new location
Limited radio range	Weak battery in transmitter Radio interference Transmitter aerial cannot be extended	Install a fresh battery Move to a new location Replace transmitter aerial

SPARE PARTS

ITEM No	ITEM NAME	PHOTO
81001	Upper Deck/Cover	
81002	180 Motor	
81003	Flex Shaft	
81004	3 Blade Propeller(Pk2)	
81005	Rudder & Turn Fins	
81006	7.2V 260mAh Power Pack	
81007	Transmitter Aerial	