

# User Instructions

## General Information

Thank you for purchasing one of our products. Please read the following instructions fully before use.

Our range of bait boats come complete with 12V sealed lead acid boat batteries. It is recommended that boat batteries be charged outside the boat unless using solar panel charger. The battery charger provided should charge the boat battery in approximately 9 hours and should be used in the 12V position and instructions followed on charger. Always take care when charging batteries as batteries can give off gases.

Your handset is supplied with 8AA batteries. When red light indicator only is showing on handset, batteries are low and need replacing with 8 new AA batteries. It should be noted that it will be difficult to control the boat if handset batteries become too low.

The battery condition meter at the front of the boat gives a visual indication of the boat's battery life. Green = good, Amber = weak and when in red boat battery should be swapped or re-charged before sending boat out. The battery meter only gives a true indication when the boat is stationary and the motors are in neutral.

Smooth operation of the boat is recommended to get maximum running time, therefore keep starting, stopping and reversing to a minimum and do not operate with joysticks in full power continuously if maximum running time is to be achieved. If it appears that the boat is slowing right down and may not make it back to you, then let the boat rest for a while with joysticks in neutral position and the batteries may recover enough energy to make the return.

The handset should be operated with the aerial extended to 3/4 its maximum length. If the boat goes out of range when in use, extend the aerial fully to regain signal. Do not let the handset get wet - this is not covered by warranty. It is recommended that you use a waterproof handset cover if rain looks likely.

### To bait up your boat:

Turn on boat and open hopper by pushing switch on top of handset. Feed line under boat into hopper and close door and fill hopper with bait. (Always try to load boat so that it sits level in the water - overloading may cause boat to sit too low in water with the seal and door catch sitting below the waterline. This could let water in through the door catch).

### Phono Socket:

The phono socket at the back of the boat (present on all boats except Icon/Icon 3) is for charging the boat battery with the use of a solar panel. If the solar panel has been supplied by Viper it will plug straight into the phono socket at the back of the boat in between the switches. The power switch for the boat should be turned off and the other switch should be set to recharge, the solar panel will then 'trickle' charge the boat battery. (Solar panel should not be left unattended for long periods - once battery is charged it should be disconnected).

After using the boat, lift off battery lid and allow air to circulate inside the boat. This is very important to ensure any condensation is removed. After using in extremely cold conditions, lift front of boat up after use for a few seconds to allow any water residue to escape from jets, in order to avoid water freezing. (During certain weather conditions and differing temperatures the switches at the back of the boat may mist up - this should not have any detrimental effect). Do not leave battery lids off if rain is expected!

Do not clean the boat with high pressure washers. This will damage the seal.

Take care not to overload boat with bait as this will cause boat to sit too low in the water (should not go below line where top and hull are sealed) as water could get in through door catch mechanism. As long as the boat is not overloaded this is not a problem. Also when loading the Storm try to load the 2 hoppers evenly so that boat sits level in the water - please take extra care when loading in really rough conditions.

### Trimming the boat:

Some boats may meander slightly to one side or the other when both joysticks are full forward, this is no detriment to the boat and can easily be adjusted using the special filters fitted to your boat (see impeller discs and adjustable trim/filter instructions). Or you can use a combination of both. Trims on handset should all normally be set to the centre positions, but small adjustments can also be made by moving the sliders slightly. (Please note that if the sliders get knocked all the way across then this will have an effect on the boat's performance).

### Storing the Boat:

It is recommended that the boat is cleaned after use and stored in warm, dry conditions and away from damp areas. The transmitter should be protected from damp and water at all times. It is important that the boat is not stored for long periods without the batteries being charged as this could result in shortening of battery life and reduced running times.

### IMPORTANT INFORMATION:

**IT IS NOT ADVISABLE TO USE BRAID LINE, AS THIS COULD DAMAGE IMPELLERS.**

**DO NOT RUN BOAT IN SHALLOW WATER (LESS THAN 6") WITH GRAVEL OR SMALL DEBRIS, AS THIS MAY GET PULLED UP INTO THE IMPELLERS AND CAUSE THEM TO JAM POSSIBLY CAUSING DAMAGE IF NOT REMOVED QUICKLY. IF THIS DOES HAPPEN SEE ATTACHED SHEET RE IMPELLER DISC ASSEMBLY.**

## VIPER STORM 2 USER INSTRUCTIONS

### To set the Boat in motion:

1 Connect boat to boat batteries, which should then be housed inside battery lids and fixed in position with velcro supplied on battery and battery housing. Please take care to steady battery and carefully connect one battery then the other without damaging boat. Remember for optimum performance and stability, that two batteries of same amp. hr. eg. two x 9amp.hr or 2 x 7amp.hr should be used at the same time and not mixed. Also use two batteries of the same state of charge where possible eg. both fully charged.

2 Turn on handset - both red and green lights should be showing indicating that the handset batteries are fully charged. If the red light is flashing AA batteries will need to be changed before using. (Always turn the handset on first and then the boat. When turning the boat off, switch the boat off first, then the handset).

3 Turn on left switch at back of boat and right switch for motors - the battery meter should be in the 'green' to indicate boat battery is fully charged. Again, if not, boat battery should be charged. Please note the Storm is provided with two large and powerful motors and you will be able to hear some noise when boat is turned on. This is completely normal and nothing to worry about.

4 For forward operation of the boat, push forward both joysticks on left and right sides of handset. To operate boat in reverse, push both joysticks back. You can alternate power to each pump by increasing or decreasing left or right joysticks - decreasing power to either the left or right hand joystick will steer the boat. To spin the boat on its axis, have one joystick forward and one back. (The motors on the boat are set up to work individually from each joystick for easy steering). It should be noted that the boat will probably not drive absolutely straight if hands are released from the joysticks, due to weather conditions and differing loads. Also it can never be guaranteed that water flow will be exact to both jets therefore, if necessary, it is recommended that the filters are adjusted underneath the boat to even up water flow.

5 To drop the front bait door push left hand switch on top of handset and hold for approx. 2 seconds. (Lights should flash to indicate bait has been released). To drop the rear bait door push right hand switch on top of handset and hold for approx 2 seconds. (Lights should flash to indicate bait has been released).  
Important: Do not remove white plastic tie wrap from bait door.

6 To turn the lights on, move the left hand joystick to the left. Repeat this action to cycle through the three settings of brightness. Move to the right to turn lights off.

### Hopper cover:

The Storm is supplied with one hopper cover which fits snugly over the handles and sits on top of the back hopper

### Technical specifications:

Boat size 780mm x 415mm x 300mm

Weight with batteries approx. 11kg.

Operating voltage 12V 7amp.hr or 9amp.hr sealed lead acid batteries.

Radio controller:

4 channel FM radio transmitter + receiver frequency 40MHz

Recommended bait capacity is 6 kilos evenly spread through both hoppers.

## VIPER X RANGE USER INSTRUCTIONS

### To set the Boat in motion:

- 1 Connect boat to boat batteries, which should then be housed inside battery lids and fixed in position with velcro supplied on battery and battery housing. Please take care to steady battery and carefully connect one battery then the other without damaging boat. Remember for optimum performance and stability, that two batteries of same amp. hr. eg. two x 9amp.hr or 2 x 7amp.hr should be used at the same time and not mixed. Also use two batteries of the same state of charge where possible eg. both fully charged.
- 2 Turn on handset - both red and green lights should be showing indicating that the handset batteries are fully charged. If the red light is flashing AA batteries will need to be changed before using. (Always turn the handset on first and then the boat. When turning the boat off, switch the boat off first, then the handset).
- 3 Turn on left switch at back of boat and right switch for motors - the battery meter should be in the 'green' to indicate boat battery is fully charged. Again, if not, boat battery should be charged. You will be able to hear some noise when boat is turned on. This is completely normal and nothing to worry about.
- 4 For forward operation of the boat, push forward both joysticks on left and right sides of handset. To operate boat in reverse, push both joysticks back. You can alternate power to each pump by increasing or decreasing left or right joysticks - decreasing power to either the left or right hand joystick will steer the boat. To spin the boat on its axis, have one joystick forward and one back. (The motors on the boat are set up to work individually from each joystick for easy steering). It should be noted that the boat will probably not drive absolutely straight if hands are released from the joysticks, due to weather conditions and differing loads. Also it can never be guaranteed that water flow will be exact to both jets therefore, if necessary, it is recommended that the filters are adjusted underneath the boat to even up water flow.
- 5 To drop the bait door push left hand switch on top of handset and hold for approx. 2 seconds. (Lights should flash to indicate bait has been released). Important: Do not remove white plastic tie wrap from bait door.
- 6 To turn the lights on, move the left hand joystick to the left. Repeat this action to cycle through the three settings of brightness. Move to the right to turn lights off.

### Hopper cover:

The X Range is supplied with a hopper cover which fits snugly over the handles and sits on top of the hopper.

### Technical specifications:

Boat size 760mm long x 370mm wide x 250mm high  
Hopper size: 460mm long x 150mm wide x 70mm deep  
Weight with batteries approx. 10.5 kg.  
Operating voltage 12V 7amp.hr or 9amp.hr sealed lead acid batteries.

### Radio controller:

4 channel FM radio transmitter + receiver frequency 40MHz

Recommended bait capacity is 4 - 5 kilos evenly through the hopper.

## VIPER MK<sub>3</sub> USER INSTRUCTIONS

### To set the Boat in motion:

- 1 Connect boat to boat battery, which should then be housed inside battery lid and fixed in position with velcro supplied on battery and battery housing. Please ensure battery is fixed in position securely and doesn't tip forward and damage coil aerial inside boat.
- 2 Turn on handset - both red and green lights should be showing indicating that the handset batteries are fully charged. If the red light is flashing AA batteries will need to be changed before using. (Always turn the handset on first and then the boat. When turning the boat off, switch the boat off first, then the handset).
- 3 Turn on left switch at back of boat and right switch for motors - the battery meter should be in the 'green' to indicate boat battery is fully charged. Again, if not, boat battery should be charged.
- 4 For forward operation of the boat, push forward both joysticks on left and right sides of handset. To operate boat in reverse, push both joysticks back. You can alternate power to each pump by increasing or decreasing left or right joysticks - decreasing power to either the left or right hand joystick will steer the boat. To spin the boat on its axis, have one joystick forward and one back. (The motors on the boat are set up to work individually from each joystick for easy steering). It should be noted that the boat will probably not drive absolutely straight if hands are released from the joysticks, due to weather conditions and differing loads. Also it can never be guaranteed that water flow will be exact to both jets therefore, if necessary, it is recommended that the filters are adjusted underneath the boat to even up water flow.
- 5 To drop the bait door move right hand joystick to the left. (Lights should flash to indicate bait has been released). Important: Do not remove white plastic tie wrap from bait door.

### 6 Hopper cover:

The MK<sub>3</sub> is supplied with a hopper cover. The hopper cover comes with a piece of green elastic to help secure against wind. The elastic loops through the handle, over the top of the hopper cover and the black plug on the end fits into the phono socket in between the switches at the back of the boat

### Technical specifications:

Boat size 700mm x 300mm x 200mm

Weight with battery approx. 7.5kg.

Operating voltage 12V 7amp.hr or 9amp.hr sealed lead acid batteries.

### Radio controller:

4 channel FM radio transmitter + receiver frequency 40MHz

Recommended bait capacity is 2 kilos evenly spread through hopper.

## VIPER ICON 3 USER INSTRUCTIONS

### To set the Boat in motion:

- 1 Connect boat to boat battery, which should then be housed inside battery lid and fixed in position with velcro supplied on battery and battery housing. Please ensure battery is fixed in position securely and doesn't tip forward and damage coil aerial inside boat.
- 2 Put the AA batteries supplied into the handset by gently sliding down the front panel. Turn on handset - both red and green lights should be showing indicating that the handset batteries are good. If the red light is flashing AA batteries will need to be changed before using. (Always turn the handset on first and then the boat. When turning the boat off, switch the boat off first, then the handset).
- 3 Turn on left (mains) switch at back of boat and right switch for lights - the battery meter should be in the 'green' to indicate boat battery is fully charged. If not, boat battery should be charged. Lights are operated from boat only not handset.

### Handset

- 4 To move forward and backwards use left joystick, use the right joystick to steer. Using a combination of both, the boat can be controlled very precisely and bait can be deposited with great accuracy.
- 5 To drop bait door move the toggle switch on top left hand side of handset.

Important: Do not remove white plastic tie wrap from bait door.

### Hopper cover:

The Icon 3 is supplied with a hopper cover which just fits snugly over the boat handle.

### Technical Specification:

Boat size 590mm long x 330mm wide x 210mm deep

Weight with battery approx. 6.5kg.

Operating voltage 12V 7amp.hr or 9amp.hr sealed lead acid batteries.

### Radio controller:

2/3 channel FM radio transmitter + receiver frequency 27MHz

Recommended bait capacity is 1 kilos evenly spread through hopper.

## Impeller Discs and adjustable trim/filter

The impeller covers can be removed to check for obstructions, weed, gravel etc. Just carefully loosen the three Phillips screws (take care not to lose small screws).

Note: If you have sucked in some obstruction the aluminium disc which is held in place with one screw, behind the impeller cover, should be checked to make sure it is secure. If this screw becomes loose it can make the motor noisy or lose power. Take care when tightening not to damage the head of screw

All Viper boats are supplied with aluminium disc inside the filter cover. However this disc can be removed in order to enable the boats to travel faster when being used on larger waters. If aluminium disc is removed it is important that the central screw (which has to be removed in order to take out the disc) is put back in place after taking out the disc. out. Battery life will be longer when the discs are in place. (Remember to replace adjustable filter cover before putting boat into water).

### Adjustable trim filter:

Loosen locking screws and rotate inner disc to adjust water intake to trim boat. When right adjustment is found lock disc in position by tightening locking screws.



## Batteries - Do's and Don'ts

### Do's

- 1 Read the instructions on your device before installing batteries.
- 2 Insert batteries into your device properly, with the (+) and (-) terminals aligned correctly.
- 3 Always fully charge your batteries before use.
- 4 When you charge the batteries for the first time, or if the batteries have been stored for a long time it normally takes about 3 charge and discharge cycles for the batteries to regain full capacity.
- 5 It is normal for batteries to become hot during charging and they will gradually cool down to room temperature after fully charged.
- 6 Store the batteries in a cool and dry place.
- 7 Remove batteries from the electrical device if the device is not going to be used for a long time.
- 8 Keep battery contact surfaces and battery compartment contacts clean by rubbing them with a clean pencil eraser or a rough cloth each time you replace batteries.
- 9 Keep batteries away from children. If swallowed, contact a physician at once.

### Don'ts with Batteries

- 1 Do not charge other types of batteries, such as alkaline, carbon zinc, lithium, rechargeable alkaline or any other kind of batteries not specified as they may leak or burst, causing personal injury and damage.
- 2 Do not charge batteries of different capacities at the same time except when the charger is equipped with individual charging channels.
- 3 Do not charge batteries of different residual capacities (eg. flat batteries and partially discharged batteries) at the same time except when the charger is equipped with individual charging channels.
- 4 Do not overcharge or over-discharge batteries. It will decrease the battery's service life.
- 5 Do not mix batteries of different types (eg. NiMH, NiCd, alkaline, etc) and capacities (eg 1300 mAh and 1600mAh) in the electronic device.
- 6 Do not short circuit, incinerate and disassemble batteries.
- 7 Do not dispose of batteries in fire. They can rupture or leak.
- 8 Do not drop or cause unnecessary shocks to the battery.
- 9 Do not carry loose batteries in a pocket or purse with metal objects such as coins, paper clips and hair pins, etc. This will short circuit the battery, generating high heat.

## Trouble shooting:

### Boat Dead:

Check yellow 20amp fuse, if blown please replace. If fuse keeps blowing please check no obstruction has become jammed up into the impeller by removing the filter cover underneath the boat and the aluminium discs.

### Losing Signal:

Remove the battery compartments and you will be able to see the white control box.

Check all plugs are connected properly into the control box. (There is a plug with orange aerial wire which goes into the aerial socket in the control box - if this has come loose then signal may be lost after only a few yards).

### Motor making grinding noise:

Please check for obstructions or gravel in impellers.

Remove filter cover and check that no screws have become loose and that if the aluminium discs have been removed, that the screw in the middle is still in place. See sheet attached on Impeller discs.

### Doors not opening:

Check trims on handset are in middle position. (see photo showing handset).

### The following is applicable to Storm 2 only:

If one or both doors is not opening check that the reed switch has not been dislodged. The reed switch is approx 1.5 inches long and can be located between the two hoppers inside the doors opposite the magnets. Should the reed switch become dislodged then the doors will fail to operate. If this is the case the reed switch needs securing back in place - you may have to try operating the doors a few times before correct location for reed switch is found. Then secure reed switch in position with tape.

### Moisture inside the boat:

As with all boats, even ocean liners, boats may take in water from time to time for various reasons, your boat workings are protected against this and should come to no harm under normal use. From time to time you may get some damp inside the boat due to condensation or heat expansion on the seals (also note overloading can cause a little bit of water to seep in through the door catch). Any moisture or water can be wiped out with a cloth. Wherever possible please leave battery lids off to allow air to circulate inside boat after use. Take care not to leave boat out in heavy rain. The handset is not waterproof and should not be operated in adverse weather conditions without protective cover.

If needed please call 01924 281182 for assistance or advice.

Our customer service is second to none and we are always happy to deal with any questions.

## WARRANTY:

It is important that a copy of your proof of purchase is returned with the Warranty Registration Form as, without it, no warranty work can be accepted.

The registration of your bait boat is important, not only for service or warranty, but in case of theft. It is possible to return stolen boats to their rightful owners and prosecute the offender, using the serial numbers.

Your new Viper Bait Boat is warranted for one year from the original date of purchase against defects in material and workmanship. During this period, Viper will repair or replace, at our discretion, the effective component.

This Warranty does not apply to any boat that has been improperly handled, abused, damaged in a crash, dropped, nor to any boat that has been repaired or altered by unauthorized agencies. The Warranty does not cover the hiring out of the bait boat. Under no circumstances will the buyer be entitled to consequential or incidental damages. The Warranty gives you the specific legal rights. Batteries and plastic housings are not covered by warranty. This warranty does not cover handsets which have water damage, or battery corrosion, nor does it cover internal workings of the boat, including microprocessor, which has been tampered with by unauthorized persons or agencies. This Warranty does not cover damage caused to the boat by 'power' washing.

## WARRANTY AND SERVICE PROCEDURE

The Warranty Registration Form should be completed and mailed to Viper within 14 days of the original purchase date. Once received at Viper your bait boat will be logged on our Service Department computer. (This Warranty is not transferable).

In the event that service is required contact Viper first for instructions on how to return your bait boat and also give details in the first instance of the problem or problems experienced, by telephone, for further advice. Please note that carriage on any repair work required after first 14 days will be the responsibility of the customer. Viper will return any repaired goods free of charge (UK only) for the first 90 days. After 90 days the customer will be responsible for carriage costs both ways.

When a boat is to be returned please include a complete description of the boat returned (model, serial number) and provide a contents list of all the items returned. (Do not return the boat battery as this can cause damage to the boat during transit). **VIPER WILL NOT BE HELD RESPONSIBLE FOR BOATS ARRIVING DAMAGED DUE TO BATTERIES BEING LEFT IN DURING TRANSIT.** Describe the problem or required action in full, explaining the circumstances, and any other information you think will be beneficial in assisting our service department, i.e. when the problem first occurred, your name, address and telephone number, dated proof of purchase (for warranty claims). **PLEASE ENSURE BOAT IS CLEANED BEFORE BEING RETURNED TO US OR A CHARGE WILL BE INCURRED - OUR ENGINEERS WILL NOT WORK ON DIRTY BOATS COVERED IN BAIT.**

We will notify you of repair costs, where applicable, before returning your boat and payment must be made in full where necessary before the boat can be returned. You are required to pay all postage, shipping and insurance charges where applicable.

We pride ourselves on providing excellent customer service and are more than happy to carry out any work under warranty agreement. However, if no fault can be found with a boat when it has been returned then a postage charge of £15.00 each way (£30.00 in total) will still apply.

**WARRANTY APPLIES ONLY TO EQUIPMENT PURCHASED IN UK AND EIRE**  
Viper boats to be returned to: Viper, Unit 2 - 3, Wakefield Commercial Park, Bridge Road,  
Horbury, Wakefield,  
West Yorkshire, WF4 5NW. Tel: 01924 281182. Fax: 01924 280400