VELOCITY

RADIO CONTROLLED HIGH SPEED RACING BOAT

USER MANUAL



FOR MORE INFORMATION

Visit us online at **force1rc.com** for product information, replacement parts, and tutorials.

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IMPORTANT STATEMENT

Thank you for buying a Force1 RC boat. **Please read this manual carefully before operating the RC Boat.** By reading this manual it is assumed you are accepting all content in this user manual when using this RC Boat.

(1) This product is not a toy but a piece of complicated equipment which is integrated with professional knowledge by mechanic, electronic, water mechanics, high-frequency emission etc. It should be installed and adjusted correctly to avoid accidents. The user must always operate in a safe manner. We undertake no liability for human injury or property damage caused by improper operation, as we have no control over setup, use and operation of this RC boat.

(2) This RC boat is suitable for experienced RC users aged 14 years or above. Not safe for users under the age of 14 to use.

(3) The location that you use the RC Boat must be waters approved by your local government.

If you have any questions about use, operation, technical support, repair, after-sale service, etc., Please contact us at support@force1rc.com

***Please use only original Force1 spare parts and accessories. Force1 does not assume any responsibility for any accidents caused by using non-genuine parts and accessories.**
***Keep the packaging and user manual for future reference.**

SAFETY WARNINGS

Improper assembly, broken main boat, defective electronic equipment, or unskilled operation may cause unpredictable accidents such as boat damage or human injury.

Please pay special attention to the following safety procedures:

(1) This product is suitable for people of the age of 14. Anyone younger than 18 must be supervised by an adult when operating.

(2) After operating the boat, DO NOT RECHARGE BATTERY until it has cooled down.

(3) When operating the boat, observe the area. Do not operate boat near people or debris in the water, as collison could damage the propeller and boat.

(4) This product contains small parts and are a choking hazard. Do not swallow.

(5) Please keep a safe distance from propeller to avoid injury. The high speed propeller can cause harm.

(6) After operation, DO NOT TOUCH MOTOR. The motor heats up and can burn your skin.

(7) Regularly check the USB cable and other parts for damage. Please replace any broken parts before operating.

IMPORTANT SAFETY NOTICE FOR RC BOAT BATTERY

* Keep Li-Ion batteries away from children and animals.
* Never use or charge a Li-Ion battery that has ballooned or swelled.
* Never use or charge a Li-Ion battery that has been punctured or damaged.
* After a crash, inspect the battery pack for signs of damage.
* Never overcharge a Li-Ion battery.
* Do not charge Li-Ion batteries near flammable materials or liquids.
* Do not put the battery in a high temperature place or in direct sunlight. Reduce risks of fire or explosion by storing Li-Ion batteries inside a Li-Ion safe bag.
* Do not put battery packs in pockets or bags where they can short circuit or can come into contact with sharp or metallic objects.
* Do not attempt to disassemble or modify or repair the Li-Ion battery.
* Do not use the battery to break or hit a hard surface.
* Do not put the battery in water and keep it stored at room temperature in a dry place.
* Do not leave the battery unsupervised when charging.
* Make sure that there is no short circuit of the power wire.
* Please use the recommended charger only. Do not charge on a gaming console. Only use your computer's USB port, power bank or phone wall charger to charge the battery.
* To avoid trickle charging, always unplug the battery from the USB charger when storing or leaving unattended.
* Check the charger's wire, plug, and surface regularly. Do not use a broken charger.
* If you are going more than one week without using Li-Ion batteries it is best to keep them stored at a 50% charge.

LI-ION BATTERY CARE INSTRUCTIONS

Temperature:

- Heat is a known factor in battery fires. If a battery is pushed beyond 60°C/140°F during discharging or charging, problems could occur due to metallic lithium generation, which damages the cell.
- After a flight, you may find your batteries are warm or hot to the touch. Give the batteries a chance to cool down before recharging.
- Do not leave batteries exposed to direct sunlight.

Storage:

- Store batteries at normal room temperature and avoid direct exposure to sunlight or heat. When storing LiPo / Li-Ion batteries for any length of time, they should ideally be stored at a temperature of between 5°C/40°F & 27°C/80°F.
- If you have a battery pack fully charged, do not try to charge further until it has been partially or fully discharged!

Usage:

- Leave time between charging and using the battery.
- To extend the lifetime of the battery, plan to end operation with about 20% power remaining in the batteries (rather than completely draining them)
- If the battery is pushed beyond its limits, the battery could get hot and the performance will drop.
- When using the battery for a long time, the battery will increase in temperature. If it is sealed, the air inside will inflate rapidly causing further heating.

Charging:

- Do NOT overcharge the battery. It may cause overheating and in turn this overheating could damage the battery or melt/burn surfaces it is resting on to charge.
- Never try charging a battery that has been damaged, you run the risk of fire! Cells that are obviously swollen or have physical damage should never be used and careful disposal is required, especially if the cells are swollen.
- If you feel like the battery is not charging properly, try plugging it into another charger if one is available and see if the issue persists. If the charger is defective you should discard it immediately and go to Force1RC.com to purchase a replacement. You may also contact our support team at support@force1rc.com so we can arrange to ship you a replacement charger and/or batteries if within the warranty period.
- Remove the battery from the device, inspect the battery and battery connections. Ensure there is no damaged to the battery, battery pins or contacts on the device. If you have damage to the battery or charging pins, discontinue use and visit Force1RC.com to purchase replacement parts. You may also contact us at support@force1rc.com for a replacement piece if within warranty.
- After crashing the boat, always check the battery and connectors for damage. If any part is damaged get spare parts from Force1 RC.com.
- Please use genuine factory spare parts replacements from Force1RC.com

WARNING:

DO NOT LEAVE BATTERY CHARGING UNSUPERVISED

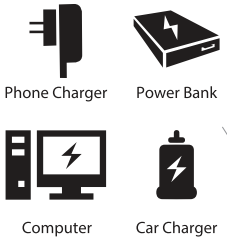
CHARGING INSTRUCTIONS FOR BOAT BATTERY

1. Connect the charging cable into the battery charger. Charging light indicator will glow red when charging and turn off when the battery is fully charged.

   Charge time: 3-4 Hours.



2. You can plug the USB charging cable into a phone charger, power bank, computer, laptop, or car charger.
   Input: 5V 1A
   Output: 7.4V 1000mAh





LI-ION BATTERY DISPOSAL & RECYCLING

Lithium-Ion batteries must not be placed with household trash.
Please contact local environmental or waste agency or
your nearest Li-Ion battery recycling center.

WARNING:
DO NOT LEAVE BATTERY CHARGING UNSUPERVISED

BOX CONTENTS



RC BOAT



TRANSMITTER



7.4v 1100mAh LiPo BATTERY



PROPELLER



USB CHARGER CABLE



NOSE GUARD



LUBRICATION OIL

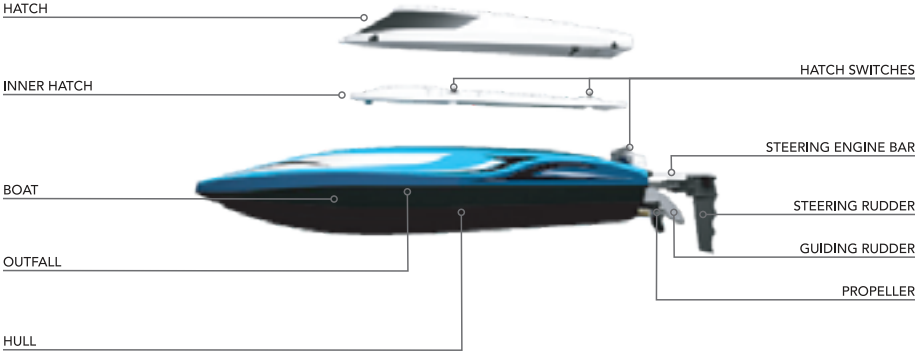


RC TOOL



DISPLAY RACK
WITH SCREWS

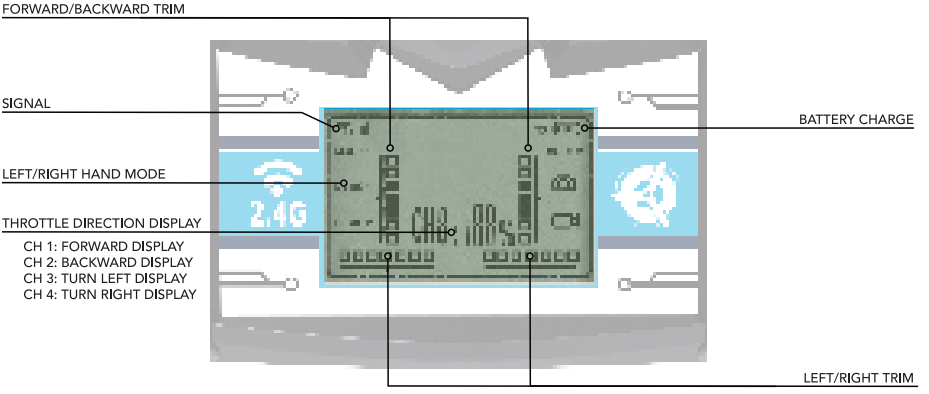
BOAT OVERVIEW



TRANSMITTER OVERVIEW

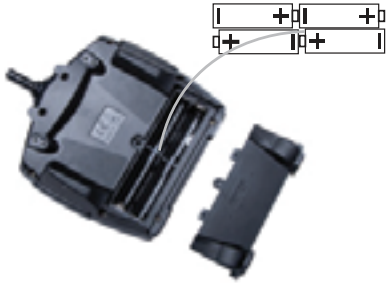


LCD OVERVIEW



TRANSMITTER BATTERY INSTALLATION

Unscrew and open the battery cover on the back side of the transmitter and put 4 alkaline batteries (AA, not included) into the box in accordance with electrode instructions, as shown in Picture 1 & 2.



PICTURE 1



PICTURE 2

CAUTION:

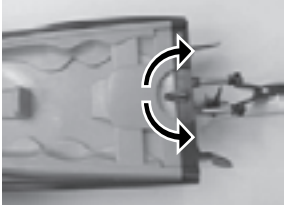
- The transmitter needs 4 X AA batteries to work. Non rechargeable batteries are not to be charged.
- Insert batteries with correct polarity.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Rechargeable batteries are to be removed from the toy before being charged;
- Rechargeable batteries are only to be charged under adult supervision;
- Exhausted batteries are to be removed from the toy;
- The charging wire to be used with the product should be regularly examined for potential hazard, such as damage to the cable or cord, plug, enclosure of other parts and that in the event of such damage, the product must not be used unless or until that damage had been properly fixed.

BOAT BATTERY INSTALLATION

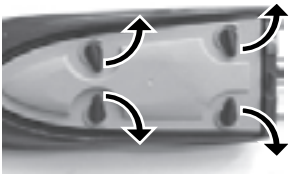
1. Turn the cabin switch either right or left to unlock. Remove the Cabin Cover (Picture 3).

2. Turn 4 switches to unlock the Inner Hatch. Remove the Inner Hatch (Picture 4).

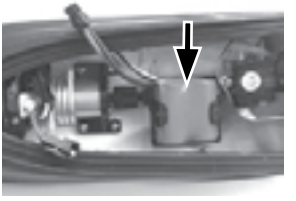
3. Put the Boat Battery into the battery holder of the hull (Picture 5).



PICTURE 3



PICTURE 4

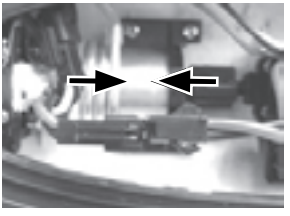


PICTURE 5

4. Connect the battery and power plug (Picture 6).

5. Insert the Inner Hatch at a diagonal angle to the boat body (Picture 7) and lock switches (Picture 8).
   Please note: Make sure the lock switches are completely secure and completely locked.

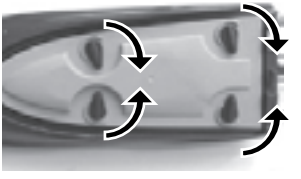
6. Insert the Cabin Cover at a diagonal angle to the boat body (Picture 9) and lock the cabin switch (Picture 10).



PICTURE 6



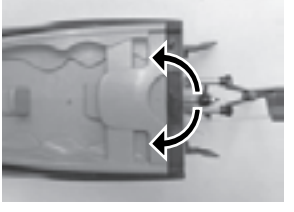
PICTURE 7



PICTURE 8



PICTURE 9



PICTURE 10

MAINTENANCE

1. After operation, please remove the battery.

2. The surface of the boat should avoid water exposure for long periods of time outside of operational use. After operation, dry the outside of the boat with a clean cloth.

3. When not in use for long periods of time, remove the transmitter battery to avoid battery leakage.

4. It's important to keep the inside of the boat dry. After operation, dry the inside of the boat with a clean cloth (Picture 11). Using desiccant will ensure the boat being dry when not in use (Picture 12).

5. The lubricating oil in the rotating shaft tube may be washed out by leakage caused by repeated use. It is recommended to perform regular maintenance after 7-10 uses.



PICTURE 11



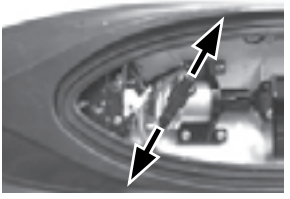
PICTURE 12

SPINDLE TUBE WALL LUBRICATION

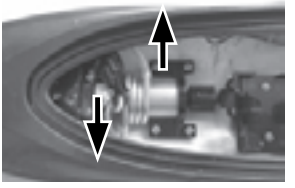
1. Unplug the motor wire (Picture 13).

2. Pull out the cooling rubber hose (Picture 14).

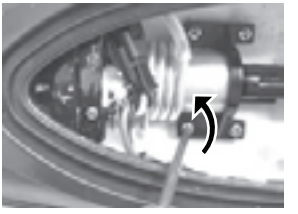
3. Unscrew the motor from the motor seat (Picture 15).



PICTURE 13



PICTURE 14

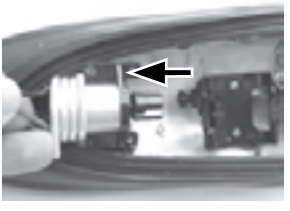


PICTURE 15

4. Remove the motor from the seat module (Picture 16).

5. Hold down the main shaft rubber pieces, using a wrench lockout and propeller (Picture 17).

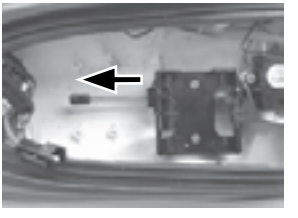
6. Put the spindle away a distance in the direction of the bow (Picture 18).



PICTURE 16



PICTURE 17

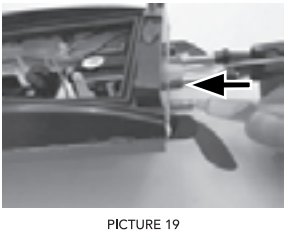


PICTURE 18

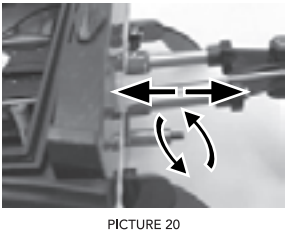
7. Add a moderate amount of lubrication oil to the tail fo the spindle tube (Picture 19).

8. Rotating the spindle forward and backward, pull slowly and let the lubrication oil on the spindle tube wall distribute evenly. (Picture 20).

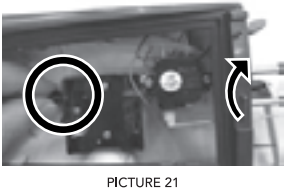
9. Hold down the main shaft rubber, using a wrench to tighten the screw down and propeller (Picture 21).



PICTURE 19



PICTURE 20



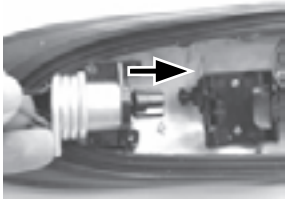
PICTURE 21

10. Load the motor seat module (Picture 22).

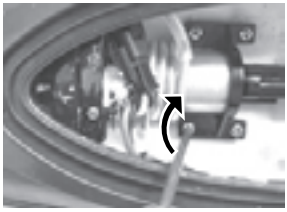
11. Screw in the motor seat (Picture 23).

12. Reconnect the cooling rubber hoses (Picture 24).

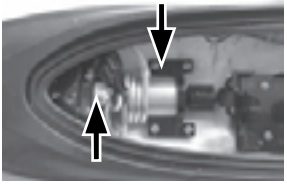
13. Reconnect the motor wire (Picture 25).



PICTURE 22



PICTURE 23



PICTURE 24



PICTURE 25

NOTE: Route the battery wire towards the boat to avoid it from getting cut by the steering wheel. Tighten all plugs and make sure that the cabin cover is tightly closed to prevent leakage.

PAIRING BOAT WITH TRANSMITTER

1. Put the RC boat into the water.

2. Turn on the transmitter. The transmitter LED indicator will flash and make a beep sound.

3. The transmitter will make three beep sounds and the LED indicator will be solid, meaning it has paired.

NOTE: The boat must be in the water first before pairing. The tail steering gear automatically locks once the boat is in the water. Do not use your hand to move the tail steering gear.



LEFT HAND BASIC OPERATION CONTROLS

MOVE FORWARD OR BACKWARD

Push the THROTTLE STICK up and the boat moves forward, and pull the THROTTLE STICK down and the boat moves backward.





TURN LEFT OR RIGHT

Push the THROTTLE STICK up and: pull the DIRECTION STICK left and the boat will turn to the left, and pull the DIRECTION STICK right and the boat will turn to the right.





CORRECTION

Push the THROTTLE STICK left and the DIRECTION STICK right. When you hear a beep sound, it means correction was successed.





LEFT HAND TRIM ADJUSTMENTS

TRIM FORWARD OR BACKWARD

When the boat is veering to the front or back, use the **TRIM BUTTONS** to correct the direction. When the boat is moving forward without touching the **THROTTLE STICK**, press the **BACKWARD TRIM BUTTON** until the boat stops moving forward. When the boat is moving backward without touching the **THROTTLE STICK**, press the **FORWARD TRIM BUTTON** until the boat stops moving backward.





TURN LEFT OR RIGHT

When the boat is veering to the left or right, use the **TRIM BUTTONS** to correct the direction. When the boat is moving to the left without touching the **DIRECTION STICK**, press the **RIGHT TRIM BUTTON** until the boat stops moving left. When the boat is moving to the right without touching the **DIRECTION STICK**, press the **LEFT TRIM BUTTON** until the boat stops moving right.





FLIP RECOVERY

1. When the boat is flipped over, push **DIRECTION STICK** up (Picture 26).

2. Keep the **DIRECTION STICK** up and push up and down the **THROTTLE STICK** until the boat is right-side up (Picture 27).



PICTURE 26



PICTURE 27

RIGHT HAND BASIC OPERATION CONTROLS

NOTE: When Right Hand Mode is engaged the two rockers are switched, making the right stick the THROTTLE STICK and the left stick the DIRECTION STICK.

MOVE FORWARD OR BACKWARD

Push the THROTTLE STICK up and the boat moves forward, and pull the THROTTLE STICK down and the boat moves backward.





TURN LEFT OR RIGHT

Push the THROTTLE STICK up and: pull the DIRECTION STICK left and the boat will turn to the left, and pull the DIRECTION STICK right and the boat will turn to the right.





CORRECTION

Push the THROTTLE STICK right and the DIRECTION STICK left. When you hear a beep sound, it means correction was successed.





RIGHT HAND TRIM ADJUSTMENTS

TRIM FORWARD OR BACKWARD

When the boat is veering to the front or back, use the **TRIM BUTTONS** to correct the direction. When the boat is moving forward without touching the **THROTTLE STICK**, press the **BACKWARD TRIM BUTTON** until the boat stops moving forward. When the boat is moving backward without touching the **THROTTLE STICK**, press the **FORWARD TRIM BUTTON** until the boat stops moving backward.





TURN LEFT OR RIGHT

When the boat is veering to the left or right, use the **TRIM BUTTONS** to correct the direction. When the boat is moving to the left without touching the **DIRECTION STICK**, press the **RIGHT TRIM BUTTON** until the boat stops moving left. When the boat is moving to the right without touching the **DIRECTION STICK**, press the **LEFT TRIM BUTTON** until the boat stops moving right.





FLIP RECOVERY

1. When the boat is flipped over, push **DIRECTION STICK** up (Picture 28).

2. Keep the **DIRECTION STICK** up and push up and down the **THROTTLE STICK** until the boat is right-side up (Picture 29).



PICTURE 28



PICTURE 29

SPARE PARTS

			
Recieving Plate 0001	Motor 0002	Battery 0003	Steering Engine 0004
			
USB Charger 0005	Discharge Pipe 0006	Steering Engine Bar 0007	Propeller 0008
			
Nose Guard 0009	Screw 0010	Spindle Tube 0011	
			
Stern Rudder Position Tube 0012	Body 0013	Hatches 0014	Display Racks 0015
			
Steering Rudder 0016	Guiding Rudders 0017	Silicone Waterproof Plug 0018	Charging Cable 0019

FCC 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 residential 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 the circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

FCC WARNING

The equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. Modifications not authorized by the manufacturer may void user's authority to operate this device.

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.

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