

HIMOTO



H1117 MAKIRA

INSTRUCTION MANUAL

Please read this manual carefully
before beginning assembly

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INDEX

- 1 OPERATING YOUR MODEL SAFELY
- 2 TECHNICAL SPECIFICATIONS
- 3~4 PREPARATION BEFORE USE
- 5 SPARE PARTS
- 6~7 RADIO SETUP



SAFETY PRECAUTIONS

This radio control model is not a toy.

- First-time builders should seek the advice of experienced modellers before commencing assembly and if they do not fully understand any part of the construction.
- Assemble this kit only in places out of children's reach!
- Take enough safety precautions prior to operating this model. You are responsible for this model's assembly and safe operation!
- Always keep this instruction manual ready at hand for quick reference, even after completing the assembly.



- The product you have purchased is powered by a rechargeable battery. The battery is recyclable. At the end of its useful life, under various national / state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

★ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

READ THIS FIRST

This is the assembling and operating guide for the radio-controlled boat, we strongly suggest you to read the instructions carefully before start operating for the first time.

It is your responsibility to follow the instructions provided and operate the RC model properly in order to avoid any accidents. Young children should assemble or operate the model under the instruction and supervision of an adult who is aware of the hazards involved in the activity. If you need professional advises or training, you may seek help from experienced modelers, a model club or enroll at a RC model training school.

You must correct all the problems found, make sure the model itself and all the parts are undamaged and in good condition each time before operating the RC boat.

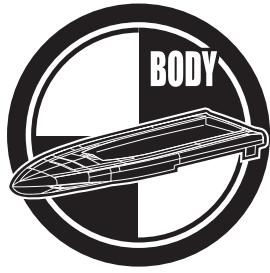
Check whether your frequency is vacant before you switch on. Radio interference caused by unknown sources can occur at any time without warning, should this happen, your model will become uncontrollable and completely unpredictable. Never leave your radio control system unguarded as other people might try to use it.

If you are to operate your model safely and avoid problems, it is essential that you are aware of its location throughout each run, make sure it is always running in your sight. Turn back the model immediately to prevent a potential accident if a control problem or interference is detected during operation.

Always switch on the transmitter first, then the receiving system. Use the reverse sequence when switching off: receiver first, then the transmitter. Check if the control moves in the correct “sense” when you operate the sticks.

TROUBLE SHOOTING		
Problem	Cause	Action
Turn on electric but nothing happens	Switch is OFF	Turn on switch
	Polarity reversed	Maintain correct polarity and try it again, change another ESC if they still no response.
Overheating	Something is blocking water cooling system	Check about whether there is anything blocked in water inlet of rudder, water outlet of boat, and silicon tube. If yes, please clean.
	Silicon tube fell off	Carefully check whether silicone tube of ESC, motor, rudder, water outlet is detached, reattach if so.
	Wrong size propeller	Change back to the original fitting
Running too slow	Batteries are weak	Replace new batteries
	Hull is tied	Untied
	The propeller	Change to a new propeller
Out of control	Radio out of control	Please using the radio according to instruction manual
	Water affecting electronic parts	Before entering water make sure electronic parts are dry
Water in boat	Silicone tube fell off	Reattach
	Tape of the lid has fallen off	Retape
	Hull is ruptured	Use glue to repair
	Overturn	Check whether there is water inside the boat.
Motor reversal	Reversed connection of ESC	Interchange connection for two of the three output lines on ESC
	Wrong setting of radio	Please set radio according to instruction manual

PARTS



11718R
Red Body

11718Y
Yellow Body

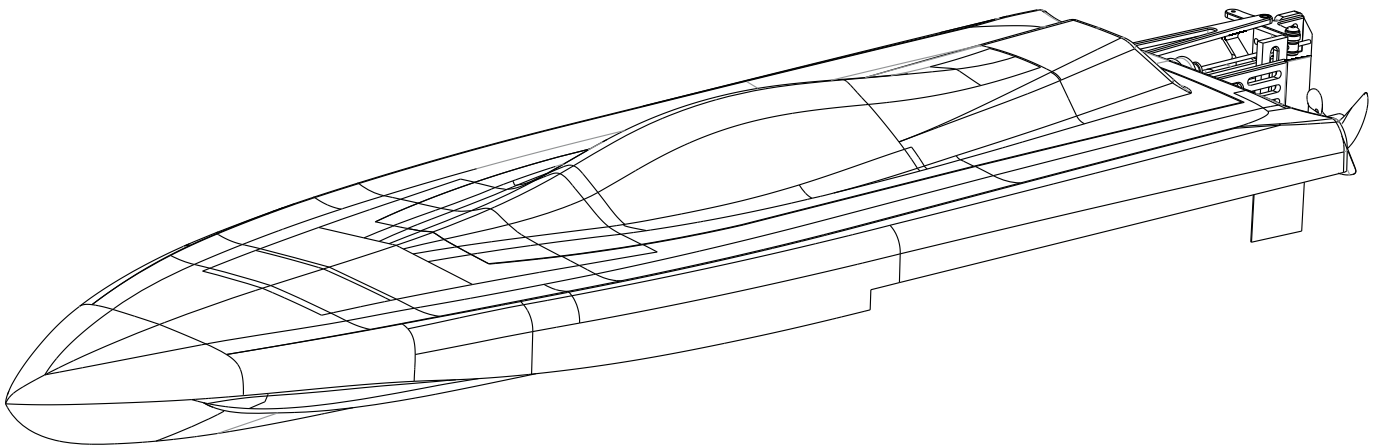


11719R
Red Body Cover

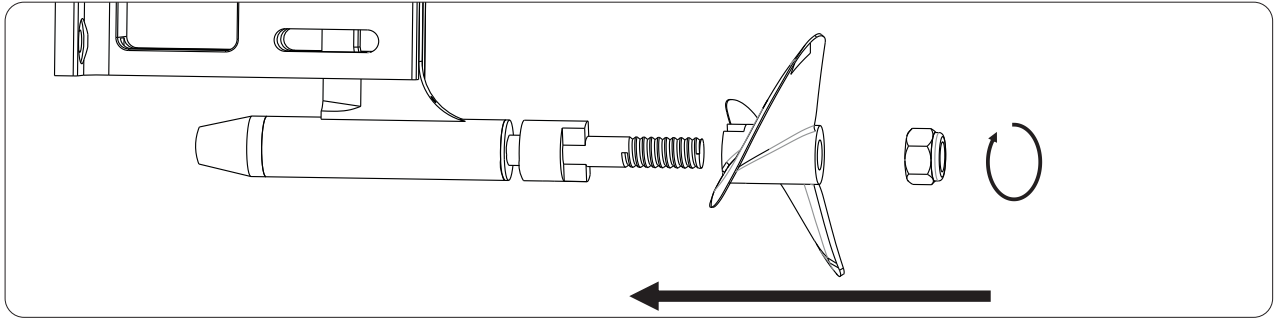
11719Y
Yellow Body Cover

TECHNICAL SPECIFICATIONS

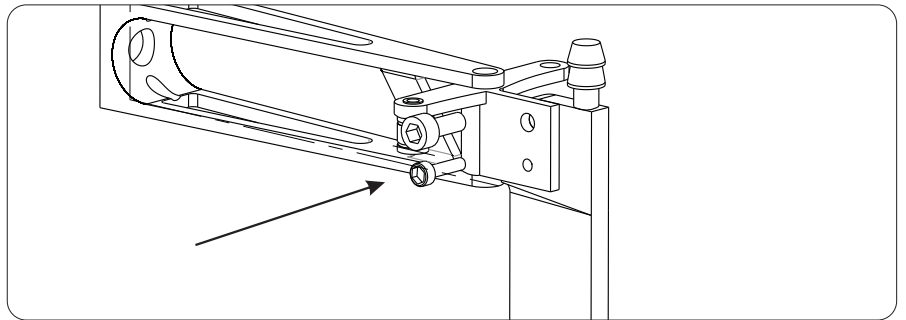
Length: 625mm
Beam: 172mm
Depth: 50mm
Hull material: Fiberglass
Weight: 900g



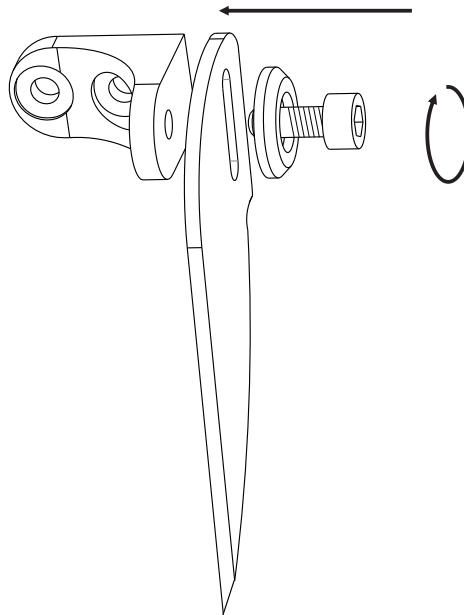
1 DRIVE SHAFT



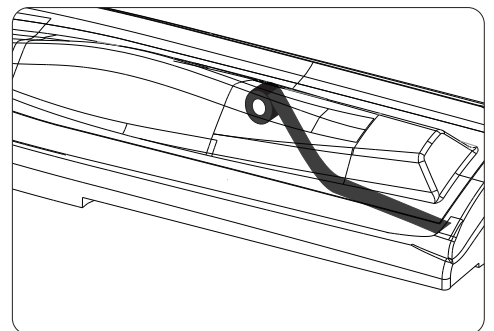
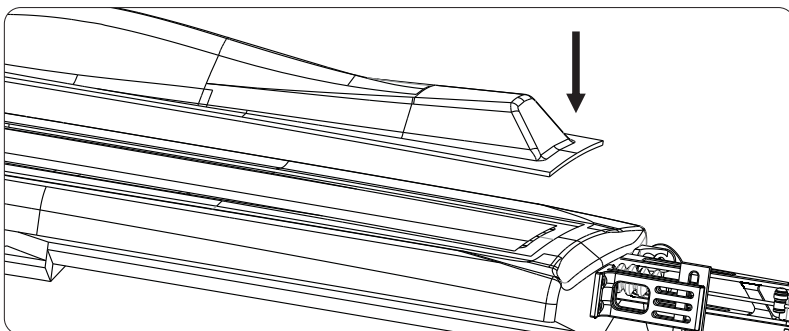
2 RUDDER



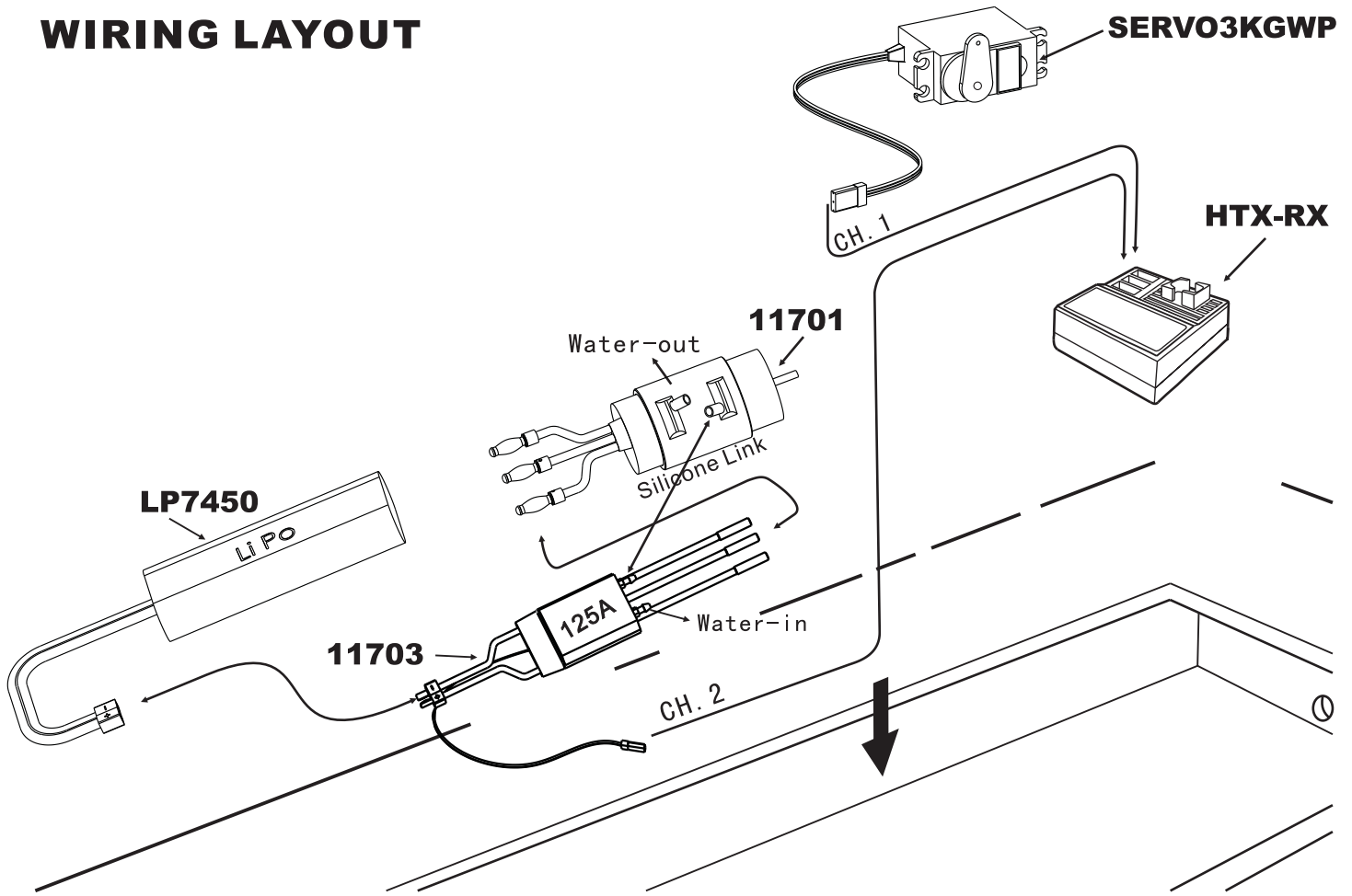
3 INSTALL THE TRIM TABS



4 WATERPROOF PROTECTION



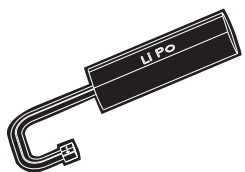
WIRING LAYOUT



Power: Brushless 2858KV 4122 motor with water cooling, 125A ESC with BEC
 Propeller: 2 Blade Metal Prop
 Servo: One 3kg standard servo (Included)
 2.4G Radio (Included)
 Speed: 55-60 KM/H

LP7450

(not included)



7.4V 5000mAh

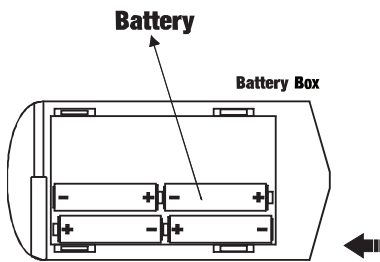
(not included)



LI PO Battery
 E3 Charger

<p>11701</p> <p>Dia.=3.18mm</p>  <p>Brushless Motor</p>	<p>11702</p> <p>Length=36mm Dia.=28.2mm</p>  <p>(Water Cooling) Motor Case</p>	<p>11703</p> <p>(6V-30V,66*40*12mm,PWM 8KHZ/16KHZ)</p>  <p>Brushless Esc</p>	<p>11704</p> <p>Length-A=32mm Dia-A=3.18mm Dia-B=3.18mm</p>  <p>Collet</p>	<p>11705</p> <p>Length-A=350mm Dia.A=4mm Dia-B=3.17mm</p>  <p>Unified Flexible Axle</p>
<p>11706</p> <p>Dia-A=φ4 Dia-B=φ8</p>  <p>Drive Dog</p>	<p>11707</p> <p>Dia-A=4mm Dia-B=35mm</p>  <p>Copper Propeller</p>	<p>11708</p> <p>φ 4.5* φ 5.5mm L=240mm</p>  <p>Plastics Pipe</p>	<p>11709</p> <p>φ 5* φ 0.2mm L=190mm</p>  <p>Copper Shaft Housing</p>	<p>11710</p> <p>Length-B=43mm Dia.=φ4 High=45mm</p>  <p>Shaft Bracket</p>
<p>11711</p> <p>Length=100mm High=90mm</p>  <p>Rudder</p>	<p>11712</p> <p>Length=21mm High=55mm</p>  <p>Stabi</p>	<p>11713</p> <p>Dia=φ4.6MM</p>  <p>Aluminum Ring</p>	<p>11714</p> <p>M=6mm</p>  <p>Water Outlet</p>	<p>11715</p> <p>L=185 Dia=1.5</p>  <p>Joint Pole</p>
<p>11716</p> <p>Dia-A=13mm Length=33mm</p>  <p>Flex-Rod Boots</p>	<p>11717</p> <p>3*5mm L=1m</p>  <p>Silicon Tube</p>	<p>11721</p> <p>Length-A=25mm Dia.A=M6</p>  <p>Antenna Mount</p>	<p>11722</p> <p>Length-A=13mm Dia.A=5mm Dia-B=2.8mm</p>  <p>Antenna Tube + Cover</p>	<p>11723</p> <p>motor mount</p> 
<p>HTX-242</p>  <p>Two Button 2.4 Ghz Radio Set</p>	<p>HTX-242T</p>  <p>Two Button 2.4 Ghz Radio Transmitter</p>	<p>HTX-RX</p>  <p>4channels 2.4G Receiver</p>	<p>SERVO3KGWP</p>  <p>3Kg Servo Unit</p>	

HTX-242 2.4GHZ RADIO SYSTEM

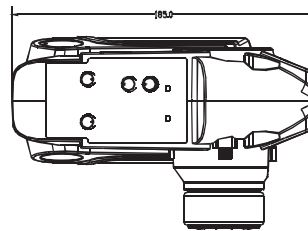
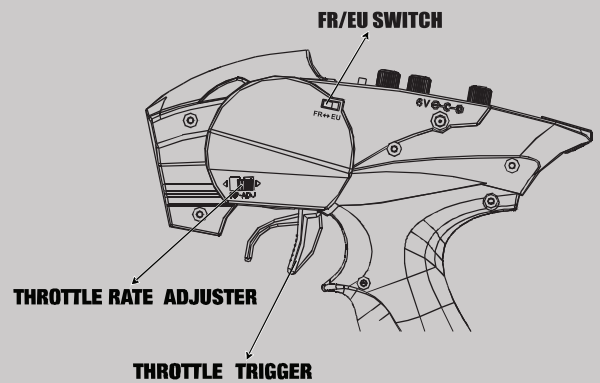


Install the batteries

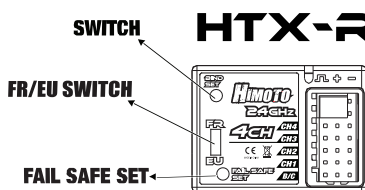
- (1) Remove the battery compartment cover.
- (2) Replace the used batteries with new AA size batteries.

Please replace batteries when the power indicator blinks or the buzzer beeps.

TRANSMITTER DIAGRAM



Transmitter Size

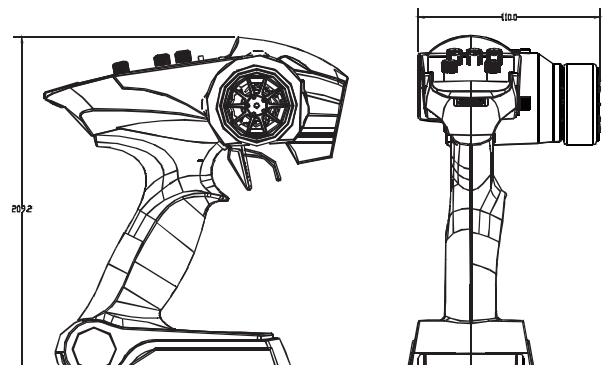
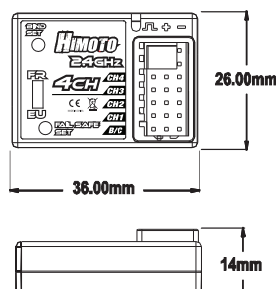


HTX-RX

Connectors

- 1: Steering servo (CH1)
- 2: Throttle servo (CH2)
- 3: CH3 servo (CH3)
- 4: CH4 servo (CH4)
- B/C: Power connector

Receiver Size



RADIO PREPARATION



Transmitter Adjustment

STEERING WHEEL

THROTTLE TRIGGER

A. Throttle Trigger

Forward /Speed up

Neutral

Brake /Speed down

1. Push the trigger forward to slow down or brake.
2. Pull the trigger backward to accelerate.

Throttle Trim: Position the throttle trigger at the neutral position, adjust the throttle trim accordingly.

Steering Trim: If the front wheel does not align straight, use the steering trim to make adjustment.

B. Steering Wheel

Neutral

Left

Right

Turn the steering wheel counterclockwise to turn left, turn the steering wheel clockwise to turn right.

⚠ Position the transmitter and receiver 40cm apart when operating.

Low Battery Alarm

Do not operate the radio system when the battery power is low.

Fail Safe Function Setting

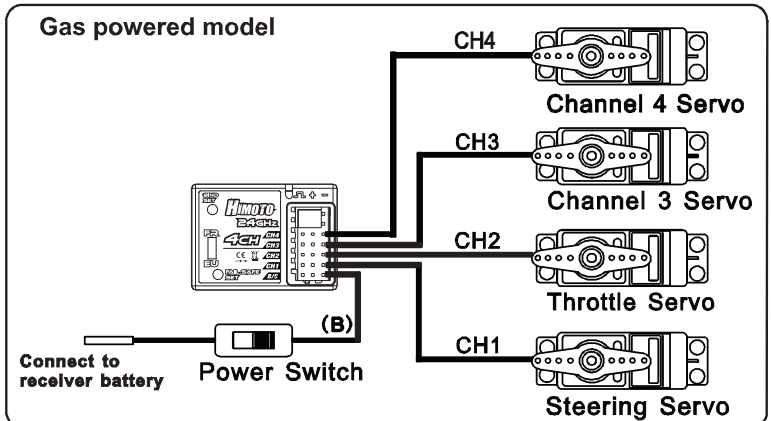
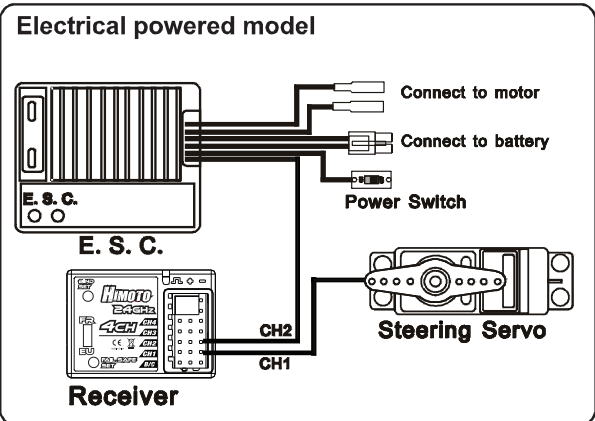
1. Set the TH, ST switches to the normal position.
2. Turn on the transmitter and receiver.
3. Press the F/S SET button, the LED on the receiver should start flashing rapidly.
4. Put the throttle trigger at the brake position, press the F/S SET button, the LED should become solid.
5. For electric model, put the throttle trigger at the stop position when you are making the setting.

2.4GHz

Binding the transmitter and receiver

1. turn on the receiver power. Press the SW switch. The receiver's LED should start flashing.
2. Turn on the transmitter.
3. When the LED on the receiver becomes solid, the binding process is completed.

Receiver and servo connection



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