

# CAJUN commander

aquacraftmodels.com

## INSTRUCTION MANUAL



**AQUACRAFT**  
Models

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### WARNING

- Never attempt to swim after a stalled R/C boat.
- Never operate your R/C boat while standing in the water.
- Never operate your R/C boat in the presence of swimmers.
- Always use a Personal Flotation Device (PFD) when boarding and operating your retrieval craft, i.e. Jon boat or duck boat. NOTE: Because of the sharp running hardware included with this R/C boat, we do not recommend a rubber blow up raft.
- R/C boat running hardware is very sharp. Be very careful when working on and around the metal parts.
- While the motor is running, pay close attention to the propeller. Do not come in contact with the propeller at any time the engine is running or serious injury will result.
- AquaCraft products are to be used by ages 14 and over.

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All pictures, descriptions, and specifications found in this instruction manual are subject to change without notice. AquaCraft maintains no responsibility for inadvertent errors in this manual.

## THANK YOU FROM AQUACRAFT

Thank you for purchasing the AquaCraft Cajun Commander! We want the time you spend with your new RC boat to be fun and successful so please fully read the manual. If for any reason you think this RC model is not for you, return it to your local hobby dealer immediately. Your hobby dealer cannot accept returns on any model after final assembly or after your boat has been operated.

## ITEMS NEED TO COMPLETE YOUR MODEL

**Battery** - One Great Planes ElectriFly LiPo 3S 11.1V 3200mAh 25C (GPMP0871)

**Charger** - One Duratrax Onyx 225 AC/DC Advanced Charger (DTXP4225)

**AA Batteries** - Two Packs of Duratrax Onyx AA Alkaline Battery (4 per) (DTXP4704)

## WARRANTY

AquaCraft will warrant your Cajun Commander for 90 days after the purchase from defects in materials or workmanship of original manufacture. AquaCraft, at their option, will repair or replace at no charge, the incorrectly made part. This warranty does not cover damage caused by crash, abuse, misuse, alteration or accident. To return your boat for service you need to provide proof of purchase. Your store receipt or product invoice will suffice. IN NO EVENT SHALL THE PURCHASER BE ENTITLED TO ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

For fastest service if you live outside the USA and Canada, please contact your local importer for warranty support. Go to the AquaCraft website, where to buy, international dealers to learn more.

<http://aquacraftmodels.com/aqudist.html>

For US and Canada customers contact:

**Hobby Services** Ph: (217) 398-0007  
3002 N. Apollo Drive, Suite 1 9:00 am - 5:00 pm  
Champaign, Illinois 61822 Central Time M-F  
Attn: Service Department

E-mail: [hobbyservices@hobbico.com](mailto:hobbyservices@hobbico.com)

## SAFETY PRECAUTIONS

Never ever attempt to swim after a stalled RC boat. DO NOT get in the water for any reason to retrieve your boat. Your Cajun Commander has flotation added to the interior of the hull and will not sink. To aid you in retrieving a stalled RC boat you can use a fishing reel with a tennis ball tied to the end of the line. Or better yet get yourself a small Jon boat so

you can row out and pick up your boat. Remember to use a PFD any time you enter your retrieval craft.

AquaCraft products are to be used by ages 14 and over.

Do not touch the propeller anytime the motor is running. Pay equally close attention to items such as loose clothing, shirtsleeves, ties, scarves, long hair or anything that may become entangled in the spinning prop. If your fingers, hands, etc. come in contact with the spinning propeller, you may be severely injured.

The speed and mass of this boat can inflict property damage and severe personal injury if a collision occurs. Never run this boat in the presence of swimmers or where the possibility of collision with people or property exists.

This boat is controlled by radio signals, which are susceptible to possible interference from other sources, or electrical noise.

## FEATURES & SPECIFICATIONS

### FEATURES

- Pre-printed camouflage ABS hull and deck
- Pre-painted steel prop guard
- Molded dual air rudders
- LED lighting system
- Scale details including seating and V8 engine
- Able to operate across dry grass and water
- Speeds over 20 mph
- 1800 KV brushless out-runner motor
- 3 blade 9X7 FRP propeller
- 50 amp motor controller with STAR connector
- Tactic 2.4GHz radio system
- Operates on a single 3S LiPo

### SPECIFICATIONS

- Length:** 27.5" (69.85 cm)
- Width:** 14.5" (36.83 cm)
- Height:** 12.5" (31.75 cm)
- Weight:** 74 oz (2.1 kg)
- RTR weight:** 86 oz (2.43 kg) (approx.) depending on battery used
- Speed:** 20+ MPH (32 kph)

### RADIO

- Tactic TTX300 Transmitter
- Tactic TTR325 Receiver
- Tactic TSX102 Servo

### POWER SYSTEM

1800 kv Brushless out runner motor w/4mm motor plugs

#### Details

- KV rating:** 1800 kv
- Operate current:** 3.8A (without loading, 8V/DC)
- Input:** 3-S LiPo battery
- Max current:** 55A/15S
- Shaft diameter:** 4 mm
- Motor resistance:** 37 MΩ
- Dimension:** 35 mm X 36 mm



**Weight:** 107 G ± 10 G

**Plugs:** 4 mm

**50 amp Brushless air cooled, water proof, motor controller w/ Star connector**

#### **Details**

**Amps:** 50 amp continuous

**Max Amps:** 65A 10 sec

**Voltage range:** 9V - 12.6 V

**BEC:** 5V 2A

**Motor Connectors:** 4 mm bullet (3)

**Battery Connector:** Star Connector

**Stutter Voltage:** 9.7 volts

**LVC:** 9 volts

**Wire Gauge:** #14

**Max Output Power:** 500 watts

**On-Resistance:** 0.0015 ohms

**Operating Freq:** 8 kHz PWM, 16 MHz MCU

**Timing Angle:** Auto

## **STARTUP AND OPERATION**

Charge your battery using the recommended charge method that came with the charger and battery you purchased to operate the model.

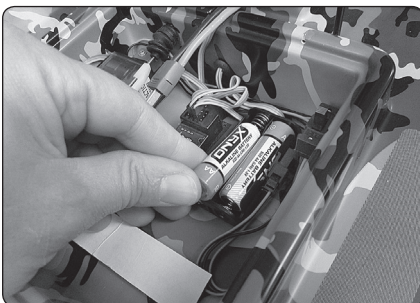
Install four AA batteries into the bottom of the transmitter. (Page 2 of your transmitter manual)



Turn the transmitter on, making sure the power light is glowing.



Rotate the lock and lift the front edge of the seat compartment. Slip the radio box cover forward and up. Then, place it to the side.



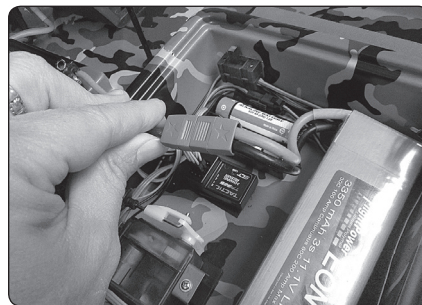
Install two AA batteries into the battery holder for the LED lights.



To turn the lights on and off, use the switch located on the side of the radio box.



Remove and place the hook and loop to the bottom of the battery pack. Place the charged battery into the open compartment and plug the battery into the boat.



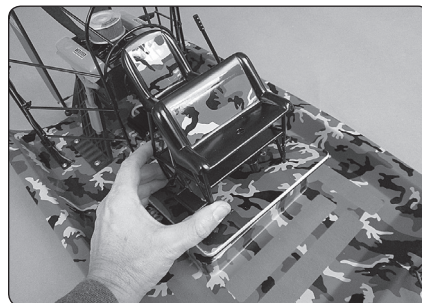
You will hear a jingle; bee da beep- -BEEP! The boat is now ready to arm. To arm the boat, fully squeeze the throttle trigger and hold until you hear a chime – BEEP BEEP!

Relax the throttle trigger back to neutral and you will hear a confirmation chime, BEEP BEEP BEEP. Your boat is ready to go.

Let's review the arming procedure:

- Plug a charged battery into the boat, bee da beep--BEEP!
- Fully squeeze the trigger and hold, BEEP, BEEP!
- Relax the trigger back to neutral, BEEP, BEEP, BEEP!
- The boat is now armed and ready to run.

**NOTE:** You need to repeat this simple arming procedure each time you unplug the power battery and operate the boat.



Re-install the radio box cover by aligning the wires and sliding the attachment pegs into the holes. Turn the lock to secure the lid.

Check the steering direction to make sure when the wheel is turned right or left

the twin rudders correspond in the proper direction. Carefully squeeze the throttle trigger making sure your hands and fingers are a safe distance from the propeller to check motor operation.

When your battery starts to get low, the boat's power system will start to stutter the motor in long even bursts. This is intentional and used as a warning that you need to complete your run. Bring the boat in as soon as you can.

**Unplug the battery after every use and never allow the battery to remain plugged into the boat for extended periods of time.**

Remove the drain plug from the back of the boat and allow any water that might have entered to escape, making sure to re-install the plug before you operate the boat again.

## OPERATION NOTES

**SAFETY FIRST, NEVER SWIM FOR A STALLED BOAT!** Even if you are a good swimmer please do not swim for a stalled boat. Your boat has flotation in it and WILL NOT SINK. Please use other means to retrieve your boat or wait for it to blow to shore.

Operation of your boat on a hard surface like concrete, black top and ice, can permanently damage the bottom of the boat. Never operate your boat on any hard surfaces.

High winds can overpower your Cajun Commander and might cause you to lose control of the boat or tip the boat over. Keep this in mind as you operate your model.

If the propeller is broken or chipped in any way do not use it. Replace it before you operate the boat again.

Although this boat has a smooth bottom and is capable of skimming over semi submerged obstacles, it is good to note that the boat could become stuck on that debris so be careful as you run your boat.

After you are done running your boat for the day, unplug the battery and remove it from the boat. Leave the cover off the radio compartment overnight to allow any moisture to evaporate.

Operating your boat at low or partial throttle settings for extended periods of time can overheat and damage the motor controller.

If your Cajun Commander should happen to stall, water currents will slowly carry it to shore. The bad news is that the boat could be carried to the opposite shore. When surveying areas to run your model, keep variables in mind such as wind direction, size of the lake, etc. It is not advisable to run R/C boats on any free-flowing bodies of water such as creeks or rivers.

Make sure to follow your battery care information closely for best battery life and performance.

## TROUBLESHOOTING

**When you plug the battery into the boat the boat does not chime.**

- Make sure you are using a charged battery.
- Check that the servo reversing switch is in the "R" position and the throttle trim knob centered. (page 2 of your transmitter manual)

**The motor starts stutter bumping at the start of the run.**

- Make sure the battery is charged.
- Make sure your battery is not too old or past its life cycle.

**The boat does not seem to have as much power as it had when it was new.**

- Make sure to use a new or freshly charged battery.
- Make sure the prop is on the correct way (curved face forward).

**My radio does not talk to my boat.**

- Follow the radio linking procedure in the radio manual (page 2).

Website product information related to this product:

[www.aquacraftmodels.com](http://www.aquacraftmodels.com)  
[www.tacticrc.com](http://www.tacticrc.com)  
[www.duratrax.com](http://www.duratrax.com)  
[www.greatplanes.com](http://www.greatplanes.com)

Enjoy customizing? Go to AquaCraft Models and check out the downloadable files for 3D printing. Files are in .SAT format and free to download.

**From your design team at AquaCraft Models,  
ENJOY!**

## MAINTENANCE

- To clean your boat, use a soft cloth and window cleaner.
- Remove the drain plug from the back of the boat and allow any moisture that might have entered to evaporate. Make sure to install the plug before the next time you use the boat.
- Oil the motor bearings from time to time using light machine oil.
- Store your boat on a flat surface to avoid warping the hull. Long storage times on uneven surfaces can damage the hull.

## REPLACEMENT PARTS

AQUB7917	Brushless Motor Mount
AQUB6105	3-blade Prop 9×7 Tractor
AQUB6273	Prop Adapter
AQUB6404	Scale Engine Accessories
AQUB8674	Air Rudders with Ball Studs
AQUB8618	Radio Box Cover with Seats
AQUB7807	LED Light Set
AQUB6334	Decal Sheet
AQUB6500	Engine Mounts
AQUM7000	50-amp Marine Controller
AQUB8728	Rudder Brackets
AQUB6275	Airboat Prop Cage
AQUB9506	Drain Plug
AQUB9503	Push Rod Seals