

## Swamp boat



RCWeinstadt

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## Summary

I always wanted to design and print a swamp boat. Now it was time to realize it. The boat consists of two parts, which...

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I always wanted to design and print a swamp boat.  
Now it was time to realize it.

The boat consists of two parts, which are screwed together.  
For sealing the whole thing is glued around the internal cable duct.

I took the motor and ESC out of my MHQ hovership, the receiver of my model car and the servo that just was lying around.

The boat has an integrated cable duct to "invisible" do all the wiring.

This Boat is also great to use with a FPV setup =)

## Print Settings

**Printer:**

DIY RepRap

### **Rafts:**

Yes

### **Supports:**

Doesn't Matter

### **Notes:**

I printed the rear and the front out of ABS and with 15% infill.

The control surfaces are printed with 20% infill.

All other parts are printed with 50% infill.

## **How I Designed This**

I have designed the swamp boat so all cables can run the hull in a cable duct.

The ESC and the receiver are covert in the front part of the boat.

The Battery is in the rear part to keep the center of gravity behind the middle.

## **Instructions**

You can see it also on <http://www.instructables.com/id/3D-printed-Swamp-boat/>

To mount the control surfaces heat a pin needle and put it in the top and bottom around 3mm from the rounded edge.

You can buy all Parts on HK:

- M2 x 25mm Steel Push Rod (10pc)  
\$2.42  
[http://www.hobbyking.com/hobbyking/store/\\_/\\_40724/\\_/\\_M2\\_x\\_25mm\\_Steel\\_Push\\_Rod\\_10pc\\_.html](http://www.hobbyking.com/hobbyking/store/_/_40724/_/_M2_x_25mm_Steel_Push_Rod_10pc_.html)
- Stand-off Ball Joints 2pcs  
\$0.93  
[http://www.hobbyking.com/hobbyking/store/\\_/\\_37439/\\_/\\_Stand\\_off\\_Ball\\_Joints\\_D4\\_8\\_2\\_L24mm\\_2\\_2pcs.html](http://www.hobbyking.com/hobbyking/store/_/_37439/_/_Stand_off_Ball_Joints_D4_8_2_L24mm_2_2pcs.html)
- Afro ESC 12Amp  
\$9.99  
[http://www.hobbyking.com/hobbyking/store/\\_/\\_55241/\\_/\\_Afro\\_ESC\\_12Amp\\_Ultra\\_Lite\\_Multi\\_rotor\\_Motor\\_Speed\\_Controller\\_.html](http://www.hobbyking.com/hobbyking/store/_/_55241/_/_Afro_ESC_12Amp_Ultra_Lite_Multi_rotor_Motor_Speed_Controller_.html)
- Turnigy Multistar Outrunner V2  
\$7.66

- [http://www.hobbyking.com/hobbyking/store/\\\\_66424\\\\_Turnigy\\\\_Multistar\\\\_1704\\\\_2300Kv\\\\_12\\\\_Pole\\\\_Multi\\\\_Rotor\\\\_Outrunner](http://www.hobbyking.com/hobbyking/store/\\_66424\\_Turnigy\\_Multistar\\_1704\\_2300Kv\\_12\\_Pole\\_Multi\\_Rotor\\_Outrunner)
- 5030 Carbon Fiber Propellers 2pcs  
\$3.22  
[http://www.hobbyking.com/hobbyking/store/\\\\_66683\\\\_Quanum\\\\_5030\\\\_Carbon\\\\_Fiber\\\\_Propellers\\\\_CW\\\\_and\\\\_CCW\\\\_Rotation](http://www.hobbyking.com/hobbyking/store/\\_66683\\_Quanum\\_5030\\_Carbon\\_Fiber\\_Propellers\\_CW\\_and\\_CCW\\_Rotation)
  - Lipo 2S 1000mAh  
\$4.32  
[https://hobbyking.com/en\\_us/turnigy-1000mah-2s-20c-lipo-pack.html?queryID=8afb8385c7f9009b7310eca6b2358ac4&objectID=15470&indexName=h](https://hobbyking.com/en_us/turnigy-1000mah-2s-20c-lipo-pack.html?queryID=8afb8385c7f9009b7310eca6b2358ac4&objectID=15470&indexName=h)
  - Female JST battery pigtail 10pcs  
\$1.93  
[http://www.hobbyking.com/hobbyking/store/\\\\_9683\\\\_Female\\\\_JST\\\\_battery\\\\_pigtail\\\\_12cm\\\\_length\\\\_10pcs\\\\_bag\\\\_.html](http://www.hobbyking.com/hobbyking/store/\\_9683\\_Female\\_JST\\_battery\\_pigtail\\_12cm\\_length\\_10pcs\\_bag\\_.html)
  - 10CM Servo Lead Extension 10pcs  
\$2.53  
[http://www.hobbyking.com/hobbyking/store/uh\\_viewItem.asp?idProduct=32758](http://www.hobbyking.com/hobbyking/store/uh_viewItem.asp?idProduct=32758)
  - Digital Servo 12g  
\$3.51  
[http://www.hobbyking.com/hobbyking/store/uh\\_viewItem.asp?idProduct=16262](http://www.hobbyking.com/hobbyking/store/uh_viewItem.asp?idProduct=16262)
  - Hex Screw M3x14 (20pcs)  
\$1.24  
[http://www.hobbyking.com/hobbyking/store/\\\\_12313\\\\_Hex\\\\_Screw\\\\_M3x14\\\\_20pcs\\\\_.html](http://www.hobbyking.com/hobbyking/store/\\_12313\\_Hex\\_Screw\\_M3x14\\_20pcs\\_.html)
  - Hex Screw M3x8 (20pcs)  
\$1.80  
[http://www.hobbyking.com/hobbyking/store/\\\\_12310\\\\_Hex\\\\_Screw\\\\_M3x8\\\\_20pcs\\\\_.html](http://www.hobbyking.com/hobbyking/store/\\_12310\\_Hex\\_Screw\\_M3x8\\_20pcs\\_.html)
  - Screw M2x5 And a Radio, for example this:
  - 2.4GHz Tx & Rx  
\$21.95  
[http://www.hobbyking.com/hobbyking/store/\\\\_31671\\\\_HobbyKing\\\\_174\\\\_8482\\\\_HK\\\\_GT2B\\\\_3CH\\\\_2\\\\_4GHz\\\\_Transmitter\\\\_and\\\\_](http://www.hobbyking.com/hobbyking/store/\\_31671\\_HobbyKing\\_174\\_8482\\_HK\\_GT2B\\_3CH\\_2\\_4GHz\\_Transmitter\\_and\\_)

Category: R/C Vehicles

# Model files



**holder\_right.stl**

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**cantrol\_surface\_r\_l.stl**

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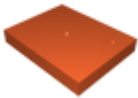
**holder\_left.stl**

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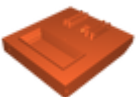
**frame\_front.stl**

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**cover\_nose.stl**

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**rear.stl**

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**cantrol\_surface\_left.stl**

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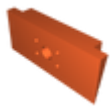
**cover\_front.stl**

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**front.stl**

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**motorholder.stl**

[Find source .stl files on Thingiverse.com](#)

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