

# ARES



# CROSS FIRE

## Quick-Start Guide



Product specifications are subject to change without notice.  
Due to ongoing development, the actual product may vary from images shown.

This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

This product is not a toy! (14+) Recommended for ages 14 and up. Adult supervision required for ages under 18 years old. Contains small parts, keep out of reach of children 3 years of age and younger.

**Part Number:**

AZSZ2802 Crossfire Racer Quad RFR: 200mW VTX  
AZSZ2802A Crossfire Racer Quad RFR: 25mW VTX



To download the full Owner's Manual & Technical Information Guide, please visit [www.Ares-RC.com](http://www.Ares-RC.com) or scan the QR code with your smart phone.

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**FIRELANDS**



MADE IN CHINA

Full manual available to download from: [www.Ares-RC.com](http://www.Ares-RC.com)

# QUICK-START GUIDE

This Quick Start guide is written for the RFR (Ready for Receiver) version of the Crossfire.

A full instruction manual is available to download from [www.ares-rc.com](http://www.ares-rc.com)

- 1** Remove the components from the box and ensure you have the following parts:

- Factory assembled quad
- Propeller set
- 3S 2200mAh Li-Po battery
- Protected cloverleaf antenna



- 2** Before starting, make sure you have the following items to hand:

- 1x 6-channel (minimum) computer radio set
- 1x 6-channel (minimum) end pin receiver
- 1x Strip of self adhesive hook and loop tape
- 1x 10mm prop wrench

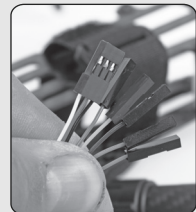
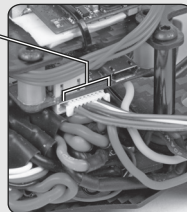


- 3** Remove the rear body clip and gently ease the fuselage moulding from the airframe.



- 4** Locate the receiver wiring loom on the left-hand side of the electronics board and note the location ID for each wire:

- Red/Black/White – Aileron
- Yellow – Elevator
- Green – Throttle
- Blue – Rudder
- Orange – Auxiliary 1 (flight parameters)
- Brown – Auxiliary 2 (motor lock)



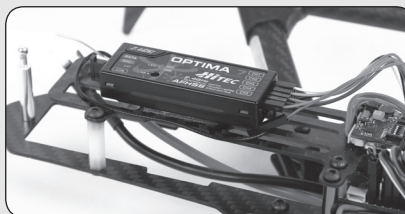
- 5** Plug the wires into the respective sockets on your receiver noting that the single-pin connectors should be attached to the 'signal' pin, usually reserved for the yellow, orange or white wire.



- 6** Secure your receiver to the upper frame using hook and loop tape and secure the aerial(s).



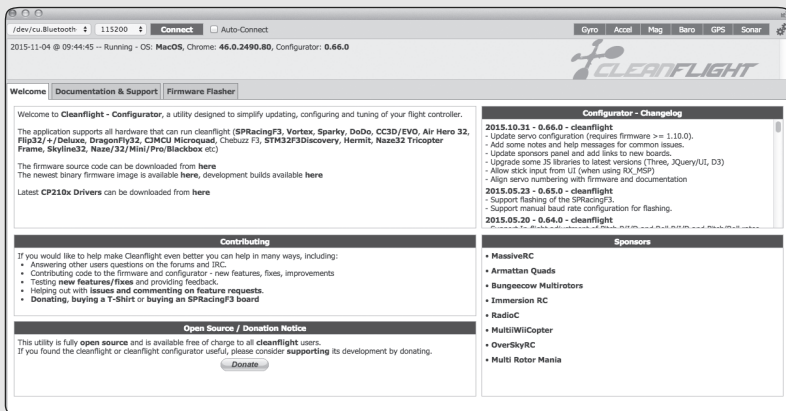
- 7** Note that only end pin receivers can be secured to the upper frame due to the proximity of the body.



- 8** Install the downlink antenna noting that the Crossfire should never be powered ON without the antenna connected as this can damage the video transmitter circuitry.



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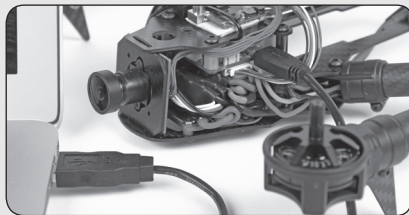


Before flying your Crossfire you'll need to configure and tune the on-board flight controller using Cleanflight open-source software. This software can be sourced via Google Chrome using the following method:

1. Open Google Chrome
2. Enter 'Apps' (icon in top left corner)
3. Enter 'Web Store'
4. Enter 'Cleanflight' into the search box
5. Download 'Cleanflight Configurator' software

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Connect the Crossfire's flight control board to your computer via the board's micro USB socket and use the Cleanflight software to configure your quad. Use the Cleanflight Documentation & Support section for guidance.

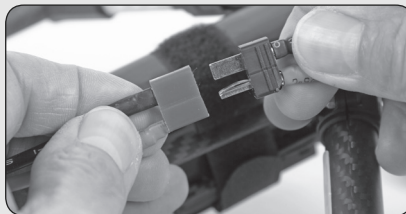


11

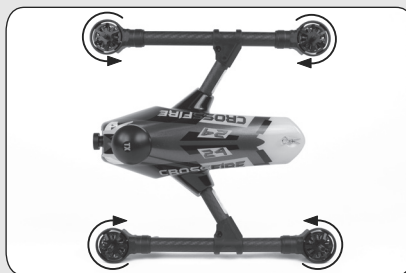
Disconnect the quad from your computer, insert the fully charged 3s 2200mAh Li-Po and secure it with the hook and loop strap. As the LiPo is installed from under the Crossfire, the body does not need to be removed.



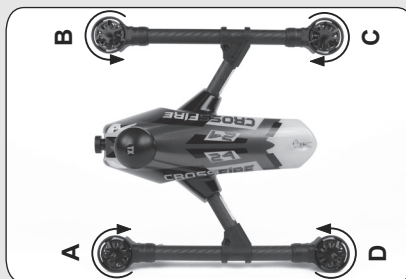
- 12** With the propellers still removed, switch your transmitter ON and connect the Crossfire's battery. A series of beeps will be heard confirming that the quad is ready to arm. Place the Crossfire on a level surface and arm the motors by moving the throttle stick to the bottom right corner of the gimbal (the default position for Mode 2 transmitters) and holding for three seconds.



- 13** Check the rotation direction of the motors by gently increasing the throttle and viewing from above.



- 14** Having confirmed that all works as it should and that the motors rotate correctly, disconnect the battery and switch OFF your transmitter. Identify the propellers noting that two of the four have a right-hand rotation (denoted by the letter R alongside the dimension embossed on the root section of the blade). R designated propellers should be installed on motors A and C and fitted with a black (left-hand thread) prop nut. The remaining left-hand rotation propellers should be secured to motors B and D.



- 15** Install the propellers using a suitable 10mm wrench or socket using adequate, but not excessive, force to safely tighten the nuts. Remember that the black prop nuts are left hand thread and tighten counter clockwise.



- 16** Remove the downlink antenna, fit the fuselage shell, then refit the downlink antenna. Your Crossfire is now ready to fly.



- 17** Please note that specific guidelines exist regarding the lawful flying of 'Small Unmanned Aircraft' and 'Small Unmanned Surveillance Aircraft' such as the camera-equipped Crossfire. Stay within the law and make sure to visit the website of the Federal Aviation Administration (US aviation regulator)  
<https://www.faa.gov>  
or, in the UK, the Civil Aviation Authority:  
<https://www.caa.co.uk>  
or, in Australia the Civil Aviation Safety Authority:  
<https://www.casa.gov.au>



NOTE: If you experience any problems, please consult online troubleshooting guide.