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GCS [] [] , [] , []
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yaw [] yaw [] , [] yaw [] . [] yaw [] []
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`Yaw Imball 87 %` %`

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flash [] ,Yaw [] PWM [] ăn [] .
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[../././images/yaw_imbalance_log.png](#)

This should be fixed in hardware. The most common cause is the motors not being vertical on a circular arm. If the imbalance still persists the motors can be tilted slightly such that the thrust angle assists the yaw for its rotation direction. Some vehicles can be extremely sensitive to motors thrust vector.

If the warning is only seen in aggressive yaw maneuvers, the warning threshold can be increased by raising **ATC_RAT_YAW_IMAX**. However, it may also be worth revisiting the yaw tune.

Both the thrust loss and yaw imbalance warnings can be disabled with the **FLIGHT_OPTIONS** parameter. This should only be done after extensive log review and testing to verify the warnings are not picking up genuine issues.

ArduPilot Copter Thrust Loss and Yaw Imbalance Warnings · [ArduPilot](#) · CC BY-SA 3.0

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Admin 2026-10-09 14:42:16 UTC

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