



## DJI FINDS FIRMWARE BUG CAUSING SPONTANIOUS S800 SYSTEM FAILURE

*Research and testing confirms zero faults with S800 air frame – error found in compass firmware*

DJI, one of the world's leading developers and manufacturers in UAV systems, today announced a voluntary recall of all WooKong-M GPS compasses purchased after June 15th, 2012. The new compasses' firmware contained a bug that, under very specific conditions, could send an erratic signal causing a spike in power and overall system failure. DJI confirmed both the fault and the bug fix by flying four S800s under heavy burden on electric tether for more than 72 hours without failure.

Since learning of the system failures during several S800 flights, DJI spent more than 1600 man hours in research and testing to determine the fault and develop a solution for customers. Through the vigorous research process, DJI engineers not only fixed the bug in the firmware, but also developed multiple new innovations for the WooKong-M GPS compass.

At this point in time DJI would advise that users of large multi-rotors (S800 size and larger) fitted with post-June 15<sup>th</sup> compasses should not fly their multi rotors until their GPS/Compass has been returned for firmware upgrade.

All customers with WooKong-M GPS compasses purchased after June 15th, 2012 should contact their dealer or click [http://www.dji-innovations.com/compass/submit\\_rma/](http://www.dji-innovations.com/compass/submit_rma/) to get information on returning their GPS/Compass module for firmware upgrade.

In turn, DJI is also developing a new firmware upgrade for the WooKong-M IMU based on the innovations developed for the compass bug fix. The IMU firmware upgrade will be released within the next several weeks and will have superior solutions for the following: better resistance to vibration, less white lights and better compass tracking. A further announcement will be made when this firmware enhancement will be available.

We are excited that we not only discovered the fault and developed a fix, but also created a superior firmware in the process. We look forward to working with all our customers to quickly replace their affected compasses and get everyone back in the air.

Old GPS Module (OKAY TO FLY):



New GPS Module (NEEDS NEW FACTORY FIRMWARE):



For any questions or concerns about the potential system failure caused by the compass firmware bug, customers and dealers can email [support@dji-innovations.com](mailto:support@dji-innovations.com) for immediate support.

DJI Innovations Technology Co. Ltd.

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