



Airworthiness Directive

Warning 01-08

Effected Systems: Spektrum Radio's

Tuesday, June 17, 2008

We may want to pass this on to the clubs. We were flying out at BAM tonight and 2 Spektrum guided planes experienced lockout issues.

It's come to our attention that the JR/Spektrum receivers can suffer from a low voltage reboot. Spektrum users that power their systems with a 4.8v receiver pack have seen their receivers reboot after a momentary voltage drop. Some users have experienced lockouts down near 3.2v and others have seen it close to 5.0v. Keeping in mind that a reboot can take several seconds. This seems to be most common with 4.8v packs where most users feel comfortable with 6.0v packs. Some have gone as far to install 7.4v lithium packs and regulate them down. We had two issues at the field today. Both with Spektrum radios, both with 4.8v packs. One airplane was saved, while the other was not so lucky. Users have installed a voltage capacitor to help with momentary voltage drops with great success.

Suggested Action

Suggested Action:
Further investigation needs to be done to insure that the potential for loss of control of the aircraft is minimized through the use of different battery technology, higher voltage packs, or extensive testing of your particular installation and setup. Further investigation may merit the installation of voltage capacitors in an attempt to eliminate any voltage brown-out's to the receiver

[More Details](http://www.horizonhobby.com/Products/Default.aspx?ProdID=SPM1600) <http://www.horizonhobby.com/Products/Default.aspx?ProdID=SPM1600>