

Comment by Dave Armitage on the concurrent operation of 2,4GHz equipment

The original 4 or 5 sets in use at any one time stemmed from the older Spektrum DX6. When used on its own it gave very good range and many modellers started using this set for standard aircraft even though it stated "For Park Flying Only" on the front case. When four or five sets were switched on together the range dropped to about 350 metres. Still perfect for park flyers but no good for larger aircraft. Hence the legislation.

From the DX7 onwards there is no restriction on range or number of sets in use at any one time. Theoretically up to 40 pilots may use the 2.4 GHz band together. I think 40 radios on at once would be problematical for the pilots but the radios should continue to work without hassles. There are 80 spots on the 2.4 GHz band and each Spektrum set listens out when first switched on and selects two clear frequencies. If it cannot find two clear frequencies it will not connect to the receiver.

The Futaba Fasst system frequency hops across those 80 frequencies.

There is also a new JR DSX7J about to be released and that too frequency hops. It changes frequency about every 8 milliseconds!