

Have you got QC ?

“Brown Out” Problems with 2.4Ghz Radios Systems

QC is the name used by Spektrum to indicate the special system used to “Quickly Connect” a receiver after a “Brown Out”.



A Brown Out is when a receiver loses the link to the transmitter due to a drop in voltage. The problem is that a 2.4Ghz receiver is designed to scan all the channels to establish a connection. Unfortunately, this can take a few seconds – too long if you are flying!

The QC system from Spektrum changes this and the receiver will automatically check the last channels used. This should restore the link within a few milli-seconds. Unfortunately, some earlier receivers did not work this way (mainly the AR500).

So how can you check andWhat can you do if you have not got it!

If you have your radio set up and working as normal get a friend to move some of the controls keep the sticks moving and turn off the power to the receiver and then quickly restore the power. There should be a barely noticeable lost of control and the receiver led should flash slowly to indicate a brown out.

If the led is not flashing or it takes a couple of seconds to restore the connection your Spektrum receiver has not been QC enabled.

Good news! If you find that your Spektrum receiver does not have QC send it with a brief note to:-

Horizon Hobby UK
Units 1 to 4 Ployters Road
Staple Tye,
Southern Way,
Harlow,
ESSEX CM18 7NS

They will update the firmware and return your receiver(s) past evidence indicates a very swift turnaround for this service

All other systems can suffer from the “Brown Out” problem as did the old 35mhz systems. The problem with the 2.4 Ghz is the time that may be taken to restore the link.

I do not know what is provided by other makers but all systems **should** pass the test above. If your radio does not pass the test.....