

High Speed or Low Speed Receivers and Digital or Analog Servos by Andy Kunz

Originally Posted by [deonjams](#)

" why does some receivers default to 11ms or 22ms while binding to Spektrum Tx's, and how exactly are the 2 settings different, in terms of behavior"? Reason I am asking - I get a kick now and again on my Align 3gx FBL system (direct bind to DSMX sats), and wondering if this setting makes a difference.

Receivers are either high-speed (11ms) or low-speed (22ms).

All 6-channel and down receivers are low speed. All 8-channel and up receivers are high speed. The 7-channels can go either way, depending on target market. The heli receivers are high-speed (AR7610, and BeastX ones).

High speed receivers can work in low-speed mode if the transmitter is told to run them in low-speed mode. You do that by forcing 22ms on the transmitter's Frame Rate screen, and then re-binding (the settings on this screen only take effect when you bind).

If you're flying an aerobatic heli, you probably want to use high-speed mode (11ms) but you need to know what the FBL unit supports.

The kick might be due to a problem with the FBL, or it could be that that the rx didn't get a signal due to blocking by the frame. Can you attach a photo of your heli showing the receiver locations? How many remotes are you using? Where are they located?

Andy Kunz

Editor note: FBL = Fly Bar Less