



The Aerobatic-version of the **future-u** speed controllers offers optimum conditions to fly the "constant speed" figures.

In those **future-u** types which are equipped with an F3A program (**future-32.55KA**, **future-32.80KA**) the RC-Car program has been replaced by the F3A program.

The special feature of the F3A program is that it provides proportional braking for slowing the propeller in downward passages.

For this application you should set the DIL switches on your future as follows:

- #1 on
- #2 off
- #3 off
- #4 timing softer (depending on your type of motor)
- #5 timing soft (depending on your type of motor)
- #6 frequency 9 / 19 kHz (depending on your type of motor)

The F3A program uses **fixed stick travels** (pre-set pulse widths):

- The full-throttle point is set permanently to 2.0 ms (i.e. +125% JR, -125% Futaba).
- The neutral point is set permanently to 1.5 ms.
- The full brake point is set permanently to 1.0 ms (i.e. -125% JR, +125% Futaba).

You have to adjust the stick travels of your transmitter so that the pulse widths stated above are achieved reliably at the stick positions you wish to use (full-throttle, neutral, full brake).

These adjustments can be carried out as follows:

- a) "Servo reverse" or "REV" for stick direction;
- b) "Servo centre" or "STM" for offsetting the stick neutral point away from the mechanical centre point;
- c) "Servo travel", "Travel adjust" or "ATV" for adjusting the pulse width.

Our recommendation:

Use a multi-point throttle curve ("Ch1 curve" - JR) to fine-tune the braking effect to suit your personal flying style.

Note:

The maximum braking effect (full brake setting) in flight is often too severe with the propeller running; a static propeller brakes the aircraft less strongly.

For this reason it is not always necessary to set the pulse width for the full brake setting to the possible maximum (1.0 ms).

You may find it better to set the stick (end-) position for maximum braking effect to a value between neutral (1.5 ms) and full brake (1.0 ms) resp. between 0% and 125%.