

MicroStar 2000

CROW mixing

Version 1.0i and later of the MircoStar 2000 software adds the CROW mixing feature. This document describes how to use the CROW mixer.

CROW:

To enable the crow mixer do the following:

- 1.) Turn on the radio
- 2.) Place the run/cal switch in the Cal mode
- 3.) Press the option key and advance to the Mixer option using the aileron stick
- 4.) Select the Mixer option and advance to the DUAL AIL option
- 5.) Press the option key to enter the dual ail setup
- 6.) Make sure and enable dual ail and enable the CROW option.

The CROW flaps and spoilers are enabled with mixer 1 switch. This can be programmed to any switch you like using the SWITCH option in the calibration mode. If you want to use multiple servos for the spoilers you can use the mixer to accomplish this goal. You can also use the mixer to add elevator mixing to compensate for trim changes. I have listed programming examples below:

Use Mixer 1A for elevator mixing:

From	THT
Table	None
To	ELE
Replace	No
ZP	100
Pos gain	0
Pos Ind	None
Neg gain	50 (You will need to adjust this to suit your needs. Make this value negative to reverse the direction)
Neg Ind	None

To add a second channel for the spoilers you could use mixer 1B as shown below:

From	THT
Table	None
To	CH6
Replace	Yes
ZP	0
Pos gain	100
Pos Ind	None
Neg gain	0
Neg Ind	None

To reverse CH6 change mixer 1B as shown below:

From	THT
Table	None
To	CH6
Replace	Yes
ZP	100
Pos gain	0
Pos Ind	None
Neg gain	-100
Neg Ind	None

This servers as an example of how you could setup the CROW function for your application. There are many other options and I would be happy to work with you on any custom setups.