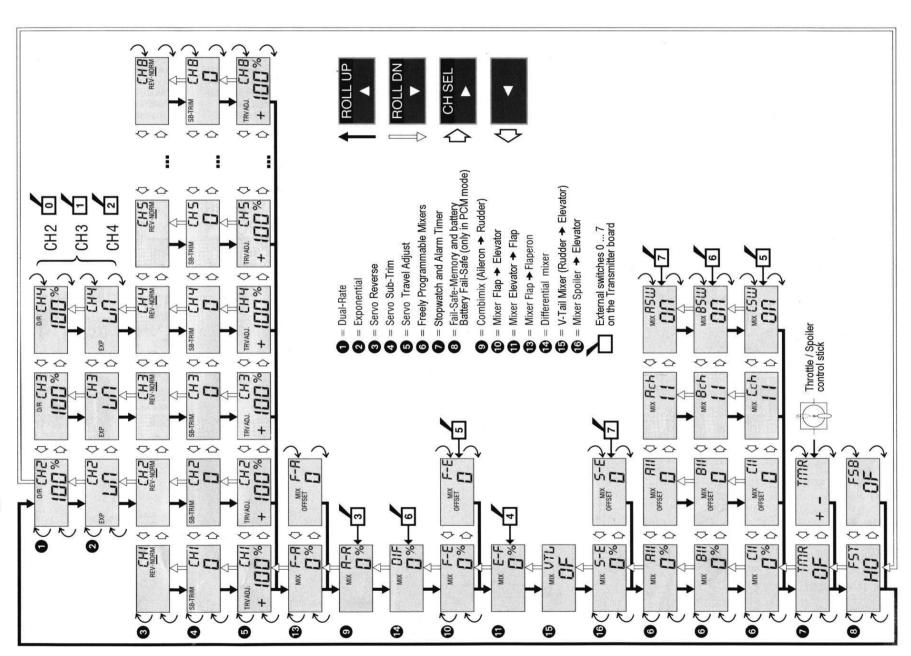
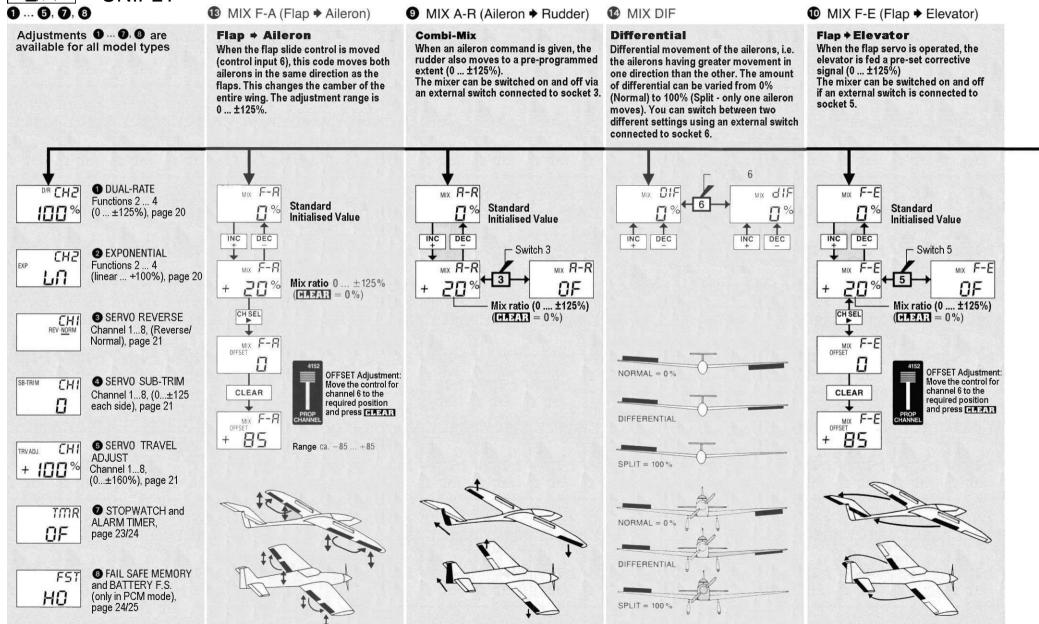
Block Diagram UNIFLY »UN«



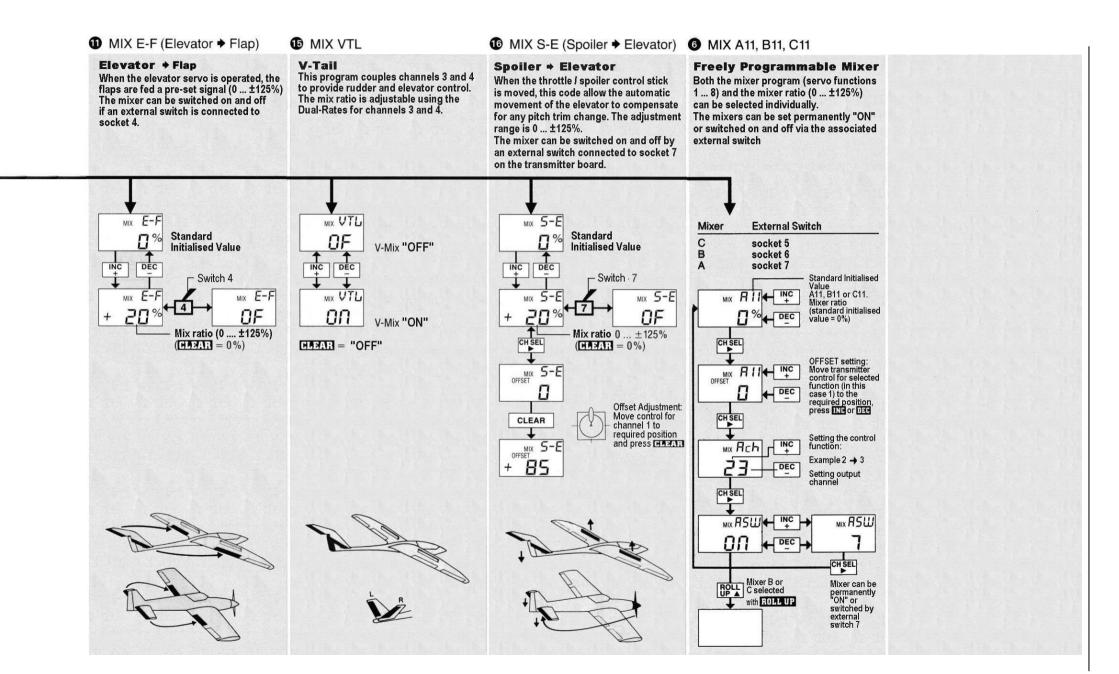
Set-up Diagram

Model Type "UN"

All the mixers and adjustment values are set to 0 (= mixer off). To adjust the mixer and adjustment values, while flying, we recommend fitting the 2-way momentary switch, Part No. 4160.44 (see page 10)



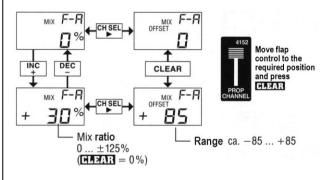
All mixer data can be reset to 0 by pressing the CLEAR button, i.e. turned off. When the display shows "OF" the external switch controlling the mixer is switched off. 36 **Fixed Wing Models**

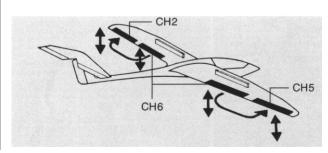




Flap → Flaperon Mixer (access via Set-Up Menu)

The mixer "F-A" allows an adjustable portion of the flap control system to be fed to the aileron channels (2 and 5) so that the ailerons move with flap deflection in a manner like the flaps, but normally with smaller movement. The advantage is that a more even lift distribution over the span can be achieved. The mix proportion is entered using the INC and DEC buttons, between 0 and ±125%. In order to tell the mixer, in which position of the control for the flaps relates to the normal flight position. CH SEL is pressed to call up the offset value. The value is set by moving the control to the required position and pressing the CLEAR button. The offset, the deviation from the control central position, is indicated in the display. You can also first set the offset and then adjust the mix proportion.



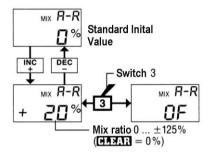


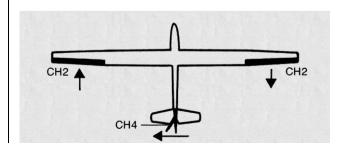


Aileron → Rudder Mixer (access via Set-Up Menu)

In the case of operating the ailerons, the rudder is deflected by a programmable mix proportion. The rudder can, however, be steered separately at any time with priority.

After call of the code "A-R", the mix proportion is adjusted using the **INC/DEC** buttons and is stopped to automatically at the maximum value of ±125%. The combi mixer can also be disabled by an external switch attached to socket 3 on the transmitter board.







Aileron Differential Mixer (access via Set-Up Menu)

The aileron differential is used to adjust for an unwanted yaw effect, which is called "negative yaw": The aileron deflecting downward creates a larger drag resistance than that developed by the upward deflecting aileron. This results in a torque around the vertical axis against the intended turn direction. This effect arises naturally and is more obvious with gliders with high aspect ratio wings, than with normal power planes, .due to the increased moment arm that the aileron drag has.

The aileron differential causes the downward aileron to deflect by a smaller distance than the upward moving aileron. The drag forces can be balanced and therefore the negative turning moment removed. Using the INC/DEC buttons, the aileron differential is adjusted between the limits 0 and 100%:

0% = Normal, thus no differential.

100% = No downward aileron deflection, Split position mentioned above.

An external switch attached to connection 6, allows selection between two differential values. These are displayed as "DIF" and "dif" depending on the position of the switch. Each can have a different value to suit differing flight modes.