

9. 4END POINT

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the END. POINT menus, and press MENU key for short into next submenu.



Press UP/DOWN key to choose the E. POINT screen



Press "+"or"-" key to adjust the E. POINT position for that selected channel.



Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



END POINT:

The most flexible version of travel adjustment available. It independently adjusts each end of each individual servo's travel, rather than one setting for the servo that affects both directions. Ranges from 0% to 120%.

Press the **UP** or **DOWM** key to select the E. POINT screen.

Press "+"or"-" key to adjust the END POINT position for that selected channel.

Press the **MENU** key to save and return last menu. Press the **EXIT** key to not keep and return last menu

NOTE: Do not use excessive E. POINT values as it is possible to overdrive the servo's maximum travel.

9. 5THRO HOLD

<u> AIRPLANE</u>

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the THRO HOLD menus, and press MENU key for short into next submenu.



Press UP/DOWN key to choose the THEO HOLDM screen.



Press "+"or"-" key to select the state (INT or ACT) and change the throttle hold value..



Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



THRO HOLD:

The Throttle hold function is used to practice autorotation and is often use as a safety switch for electric helicopters, olding the throttle in the off position. When the throttle hold switc is activated the throttle hold function holds the throttle servo/ESC in a specific position (normally low or off throttle) while all other servos function normally.

Press the **UP** or **DOWM** key to select the THRO HOLD screen.

Press "+"or"-" key to select the state (INT OR ACT) and change the throttle hold value..



9. 6FLAPERON AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the FLAPERON menus, and press MENU key for short into next submenu.



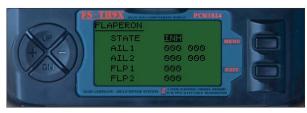
Press the UP or DOWM key to select the HELI screen.



Press "+"or"-" key to change the select value.



Press MENU key for short to keep resultand return last menu. Press EXIT key to not keep and return last menu.



FLAPERON:

The FLAPERON mixing function uses one servo on each of the two ailerons, and uses them for both aileron and flap fuction. For flap effect, the ailerons raise/lower simultaneously. Of course, aileron function (moving in opposite directions) is also performed.

Press the **UP** or **DOWM** key to select the FLAPERON screen.

Press the "+"or"-" key to change the select FLAPERON volue.

Press the **MENU** key to save and return last menu

Press the EXIT key to not keep and re-

turn last menu

AIRPLANE

9. 7D/R&EXP

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the D/R& EXP menus, and press MENU key for short into next submenu.



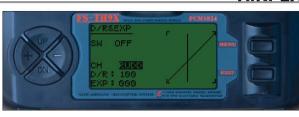
Press UP/DOWN key to choose the D/R&EXP screen.



Press "+"or"-" key to change the select value.



Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



D/R&EXP:

The Dual Rate and Exponential function allows two control rates to be programmed and selected with a switch. Dual rates and expos are available on the aileron, elevator and rudder channels. Changing the dual rate value not only affects the maximum control authority but also affects the overall sensitivity of control. A higher rate yields a higher overall sensitivity. The sensitivity around center can be tailored using the Exponential function to precisely adjust control feel.

Press the \mathbf{UP} or \mathbf{DOWM} key to select the D/R & EXP screen.

Press"+"or"-" key to change the select D/R & EXP volue.



9. 8TRIM AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key select the TRIM menus, and press MENU key for short into next submenu.

Press UP/DOWN key to choose the TRIM screen.

Press "+"or"-" key to change the selected TRIM value.

Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



TRIM:

The FS-TH9X super has digital trims whic are different from conventional mechanical trim slders. Each trim lever is actually a two-direction switch. Each time the trim lever is pressed, the trim is changed a selected amount. When you hold the trim lever, the trim speed increases. The current trim position is graphically displayed on the start up screen. The trim submenu includes two functions that are used to manage the trim options.

Press the **UP** or **DOWM** key to select the TRIM screen. Press "+"or"-" key to change the selected trim value.

Press the **MENU** key to save and return last menu. Press the **EXIT** key to not keep and return last menu.

AIRPLANE

9. 9IDLEDOWN

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key select the IDLEDOWN menus, and press MENU key for short into pert submenu.

Press UP/DOWN key to choose the IDLEDOWN screen

Press "+"or"-" key to change the select value.

Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



IDLEDOWN (ACRO only):

Lowers the engine idle for:sitting on the runway prior to take off, stalls and spins, and landings. The normal idle setting is a little higher for easier starts and safe flights with less risk of dead sticks.

Press the **UP** or **DOWM** key to select the IDLEDOWN screen. Press "+" or "-" key to change the select IDLEDOWN volue.



9 10FAIL SAF

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the FAIL SAF menus, and press MENU key for short into next submenu.



Press UP/DOWN key to choose the FAIL SAP screen.



Press "+"or"-" key to change the selected (NOR or F/S).



Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



FAIL SAF:

Sets responses in case of loss of signal or low rx battery (PCM mode only).

Press the **UP** or **DOWM** key to select the FAIL SAF screen.

Press + /- key for short and regulate the parameter (when showing for F/S XXX% for parameter, Press **MENU** key for short and see that reads the output of the corresponding passway, regard value read as the establishing value)

Press the MENU key to save and return last menu. Press the EXIT key to not keep and return last menu.

9. 11TIMER

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the TIMER menus, and press MENU key for short into next submenu.



Press UP/DOTN key to choose the TIMER screen.



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



TIMER

The time-recorder is used calculating comparable bo stipulated time unexpectedly, or the possible time of flight under the state that the fuel fill it up with, it is very convenient. The pattern of the time-recorder is the count-down. Pour time-recorder from set for time is it is it count to change, show surplus time at interface to begin. The time-recorder can set forthe settlement time of 99 minutes and 59 seconds altogether at most.

START: Press TRN switch.**STOP:** Press trn switch **REST TIMER:** Press EXIT key for long time of the initial picture.

STANTE: INH forbids this function, ACT lauches

the function. **Warn the sound**: After establishing time for less than 59 seconds, warning sound appears in one second in every interval [Bi]: It sets for time to finish long and loud.

Press the **UP** or **DOWM** key to select the TIMER screen. Press "+"or"-" key to change the select TIMER volue.



9. 12DISPLAY

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the DISPLAY menus, and press WENU key for short into next submenu.



Press the UP or DOWN key to select the TEST (ON or OFF).



Press MENU or EXIT key return last menu.

DISPLAY:

Display radio's output to channels 1-8.

The servo submenu includes two features:

Real-tune bar-graph display to demonstrate exactly what commands the transmitter is sending to the servos. (This can be particularly handy in setting up models with complicated mixing functions, because the results of each stick, lever, knob, switch input and delay circuit may be immediately seen.)

Servo cycle function to help locate servo problens prior to in-flight failures.

Press the UP or DOWM key to select the TEST (ON or OFF).

Press the MENU key to return last menu.

Press the EXIT key to return last menu.

AIRPLANE

9. 13FLAPTRIM

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the FLAPTRIM menus, and press MENU key for short into next submenu.



Press UP/DOWN key to choose the PLAPTRIM screen.



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



FLAPTRIM:

FLAP-TRMassigns the primary flaperon control to allow trimming in flight of the flap action of flaperons. (Note: even if FLAP-TRIM is made active with AIL-DIFF, it will not have any effect The ONLY function that allows control of the ailerons as flaps in the AIL-DIFF configuration is AIRBRAKE) Most modelers use AIRBRAKE, or programmable mixes, to move the flaps to a specified position via movement of a switch.

FLAP-TRIM may also be used as the primary flap control in flight by doing so ,you can assign CH6 to a 3-position switch, with a "spoiler on", neutral, and "flaperon" position, and even adjust the percentage traveled as flaperon/spoileron by changing the Flap Trim travel (Note that there is only one setting not independent settings for up and down travel).

Press the **UP** or **DOWM** key to select the FLAPTRIM screen. Press "+"or"-" key to change the select FLAPTRIM volue.



9. 14AILDIFF

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the AILD DIFF menus, and press MENU key for short into next submenu.



Press the UP or DOWM key to select the AILDIFF screen.

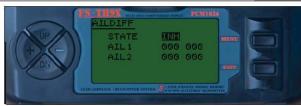


Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return

9. 15AIRBRAKE



AILDIFF

primarily used on Aileron differential is 4-servo wings with one servo(s)operating inboard flap(S) on CH6 or CH5 & CH6 ,and AIL-DIFF controlling proper aileron operation of 2 aileron servos plugged into CHland CH7. The ailerons can not be moved like flaps when using AIL-DIFF, except if using AIRBRADE (Note that even if you make FLAP_TRIM active while using AIL-DIFF, it will not have any effect , ONLY AIRBRAKE controls the ailerons as flaps in the AIL-DIFF configuration).

NOTE: When changing the polarity of a rate, " change rate dir?" is displayed for a check please set up after pressing DIAL for 1 second and canceling an alarm display(GLID only).

Press the **UP** or **DOWM** key to select the AILDIFF screen. Press "+" or "-" key to change the select AILDIFF

volue. Press the **MENU** key to return last menu. Press the **EXIT** key to return last menu.

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the AIRB menus, and press MENU key for short into next submenu.



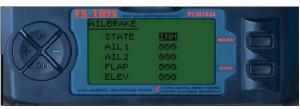
Press UP/DOWN key to choose the AIRBRAKE screen



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



AIRBRAKE:

Like FLAPERON and AILEVATOR, AIRBRAKE is one function that is really made up of a series of pre-programmed mixes all done for you within the radio AIRBRAKE simultan-eously moves the flap (s) (if installed) twin ailerons (if installed) and elevator(S), and is usually used to make steep descents or to limit increases in airspeed in dives.

This function is often used even on models without flaps as an easy way to use the flaperons and FLAP-ELEVATOR mixing together.

Press the UP or DOWM key to select the AIRBRAKE screen. Press "+"or"-" key to change the select AIRBRAKE volue.



9. 16ELEFLAP

AIRPLANE

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the BLEF LAP menus, and press MENU key for short into next submenu.

Press the UP or DOWM key to select the ELEPLAP screen.

Press "+"or"-" key to change the select volue.

-45

Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu



ELEFLAP:

ELEV-FLAP mixing is the first pre-programmed mix weill cover This mix makes the flaps drop or rise whenever the ELEVATOR STICK is moved, It is most commonly used to make tighter pylon turns or squarer corners in maneuvers In most cases the flaps droop (are lowered)when up elevator is commanded.

Press the UP or DOWM key to select the ELEFLAP screen.

Press "+"or"-" key to change the select ELEFLAP volue.

Press the MENU key to return last menu.

Press the **EXIT** key to return last menu.

9. 17V-TAIL

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the V-TAIL menus, and press MENU key for short into next submenu.



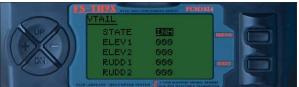
Press UP/DOWN key to choose the V-TAIL screen,



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



V-TAIL:

V_TAIL mixing is used with v-tail aircraft so that both elevator and rudder functions are combined for the two tail surfaces Both elevator and rudder travel can be adjusted independently on each surface.

NOTE: If V-TAIL is active you cannto activate ELEVON or AILEVATOR functions If one of these functions is active an error message will be displayed and you must deactivate the last function prior to activating ELEVON.

NOTE:Be sure to move the elevator and rudder sticks regularly while checking the servo motions If a large value of travel is specified when the sticks are moved at the same time the controls may bind or run out of travel Decrease the travel until no binding occurs

Press the **UP** or **DOWM** key to select the V-TAIL screen. Press "+"or"-" key to change the select V-TAIL volue.



9. 18ELEVON

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the ELEV ON menus, and press MENU key for short into next submenu.



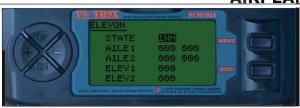
Press the UP or DOWM key to select the ELEVON screen.



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu, Press EXIT key go not keep and return lest wenu



ELEVON:

Used with delta wings flying wings and other tailless aircraft that combine aileron and elevator functions using two servos one on each elevon. The aileron/elevator responses of each servo can be adjusted independently, This is also popular for ground model use such as tanks which drive two motors together for forward and one motor forward/one backward for turning.

Adjustability:

Requires use of CH1 and Ch2

Independently adjustable aileron travel allows aileron differential.

Independently adjustable elevator travel allows for differential in up vs down travel.

Press the **UP** or **DOWM** key to select the ELEVON screen. Press "+" or "-" key to change the select ELEVON volue.

Press the **MENU** key to return last menu. Press the **EXIT** key to return last menu.

AIRPLANE

9. 19SNOPROLL

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the SNOP ROLL menus, and press MENU key for short into next submenu.



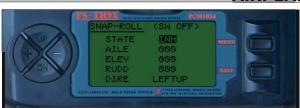
Press UP/DOWN key to choose the SNOPROLL screen.



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return



SNOPROLL:

This function allows you to execute snap rolls by flipping a switch providing the same input every time It also removes the need to change dual rates on the 3channels prior to performing a snap as SNAP_ROLL always takes the servos to the same position, regardless of dual rates inputs held during the snap etc

Travel: Adjust the amount of elevator, aileron and rudder travel automatically applied

Range:-100 to+100on all 3 channels Default is 100% of range of all 3 channels

Directions: Up to 4 separate snaps may be set up one for each of the 4direction choices (UP/right, down/right, up/left) Each snap is fully adjustable regarding travels and direction on each of the 3channels

Press the **UP** or **DOWM** key to select the SNOPROLL screen. Press "+"or"-" key to change the select SNOPROLL volue.



9. 20THRNEEDL

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the THRN EEDL menus, and press MENU key for short into next submenu.

Press the UP or DOWM key to select the THRNEEDL screen.

Press "+"or"-" key to change the select volue.

Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



THRNEEDL:

THROTTLE-NEEDLE is a pre- programmed mix that automatically moves an in-flight mixture servo (CH8) in response to the THROTTLE STICK inputs for perfect engine tuning at all throttle settings This function is particularly popular with contest pilots who fly in a large variety of locations needing regular engine tuning adjustments and requiring perfect engine response at all times and in all maneuvers Also popular to minimize flooding at idle of inverted engine installations with a high tank position not needed for fuel injection engines which do this automatically.

Press the **UP** or **DOWM** key to select the THRNEEDL screen. Press "+" or "-" key to change the select THRNEEDL volue.

volue. Press the **MENU** key to return last menu.

Press the EXIT key to return last menu.

AIRPLANE

9, 21PROG. MIX

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key choose PROG. MIX menu, press MENU key for short and enter the page to establish.

Press UP/DOWN key to choose the PROG.NIX screen.

-

Press MENU key for short into next usbmenu.

PressEXIT key to returnlast menu.



PROG. MIX:

In helicopter mode the FS-TH9X offer three programmable mixes that allow stick or switch inputs to control the output of two or more servos. This function allows mixing any one channel to any other channel or the ability to mix a channel to itself. The mix canremain ON at all times, or be switched OFF in flight using a number of different switches. (Refer to chart below.) Mix values are adjustable from 0 to 100%. Each channel is identified by a four-character name (i.e., Aileron-AILE, Elevator-ELEV, etc.). The channel appearing first is the master channel. The second channel is the slave channel. For example, AILE-ELEVwould indicate aileron-to-elevator mixing. Each time the aileron stick is moved, the elevator will deflect, and the elevator will automatically move in the direction and to the position based on the value input in the programmable mix screen. Mixing is proportional, so small inputs of the master channel will produce small outputs of the slave channel. Each programmable mix has a mixing offset. The purpose of the mixing offset is to redefine the neutral position of the slave channel.

Press the **UP** or **DOWM** key to select the PROG. MIX

screen.
Press the **MENU** key into next submenu.
Press the **EXIT** key to return last menu.



9. 21. 1MIX1-5 AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key choose PROG.MIX menu, press MRNU key for short and enter the page to establish.

Press UP/DOWN key to choose the MIX1 meau, press MEMU key for short into next subneau.

Press UP/DOWN key to choose the MIX1 screen.

Press "+"or"-" key to change the select value.

Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



MIX1-5:

Mix purpose to accuse of form to get rid of little mistake of organism, make it is it can take the heart conveniently even more to have not to handle. The very wanton one mixes accusing of among the channel.

INH: disable the function.

ACT: enable the function.

MASTER: select intput channel. **SLAVE**: select output channel.

SW: NOR/IDL1, IDL2, ON.

Press the **UP** or **DOWM** key to select the MIX1 screen.

Press "+"or"-" key to change the select volue.
Press the **MENU** key to save and return last

Press the **EXIT** key to not keep and return last menu

9. 21. 2MIX6-7

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key choose PROG.MIX menu, press MENU key for short and enter the page to establish.

Press UP/DOWN key to choose the MIX6 menu, press MENU key for short into next subnenu.

Press UP/DOWN key to choose the MIX6 screen.

Press "+"or"-" key to change the select value.

Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



MIX6-7:

Mix purpose to accuse of form to get rid of little mistake of organism, make it is it can take the heart conveniently even more to have not to handle. The very wanton one mixes accusing of among the channel.

INH: disable the function. ACT: enable the function. MASTER: select intput channel.

SLAVE: select output channel.

SW: NOR/IDL1, IDL2, ON.

CURVE: curves have five adjustable points-low, 25%, 50%, 75% and high.

Press the **UP** or **DOWM** key to select the MIX6 screen. Press "+"or"-" key to change the select volue. Press the **MENU** key to save and return last menu Press the **EXIT** key to not keep and return last menu

AIRPLANE



9. 22AILVATOL

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



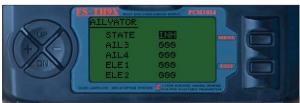
Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key select the VILV ATOL menus, and press MENU key for short into next submenu.

Press the UP or DOWM key to select the VILVATOL screen.

Press "+"or"-" key to change the select volue.

Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



VILVATOL:

Many models use two elevator servos,plugged in separate receiver channels. (Flying wings without a separate aileron control use ELEVON. V-shaped tail models use V-TAIL, p36.)

Benefits: Ability to adjust each servo's center and end points for perfectly matched travel.

Ease of assembly, not requiring torque rods for a single servo to drive 2 surfaces.

Elevators acting also as ailerons for extreme stuunt flying or more realistic jet flying (optional). Redundancy, for example in case of a servo failure or mid-air collision.

Press the **UP** or **DOWM** key to select the VILVATOL screen. Press "+"or"-" key to change the select VILVTAOL volue.

Press the MENU key to return last menu.

Press the **EXIT** key to return last menu



STEPS:

9. 23THRDELAY

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the THRD ELAY menus, and press MENU key for short into next submenu.



Press UP/DOWN key to choose the THEDELAY screen.



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return

THRDELAY:

The THROTTLE DELAY function is used to slow the response of the throttle servo to simulate the slow response of a turbine engine A 40% delay setting corresponds to about a one-second delay while a 100% delay takes abort eight seconds to respond For helicopters see DELAYS.

This function may also be used to create a "slowed servo" on a channel other than throttle this is accomplished by plugging the desired servo (Ex:gear doors)into CH3(THR)throttle into an auxiliary channel such as8 and then using some creative mixes please see our Frequently Asked Questions area at www.FLYSKYCHINA.com for this specifie example.

Press the UP or DOWM key to select the THRDELAY screen. Press "+"or"-" key to change the select THRDELAY volue.



9. 24AUX-CH AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the AUX-CH menus, and press MENU key for short into next submenu.



Press UP/DOWN key to choose the AUX-CH screen.



Press "+"or"-" key to select input channels..



Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



AUX-CH:

Defines the relationship between the transmittercontrols and the receiver output for channels 5-9. Also, the ch9 servo reverse is used to change the ch9 servo direction.

Press the **UP** or **DOWM** key to select the AUX-CH screen. Press "+"or"-" key to select input channels.

Press "+"or"-" key to select input channels.
Press the **MENU** key to save and return last menu
Press the **EXIT** key to not keep and return last menu

Note that the ch9 functions are only visible in the AUX-CH screen when PCM modulation is selected. The ch9 is not supported in PPM modulation.



10 FUNCTION SETTING (FOR GLID)



Page1



Page2

10. 1REVERSE

GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key to select the REVERSE menu, and press MEMU key for short into next submenu.



Press UP/DOWN key to choose the REVERSE screen.



Press "+"or"-" key to reverse the serve direction for that selected channel.



Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



REVERSE:

The reverse switch function allows electronic means of reversing the servo's throw . Servo reversing is available for all 9 channels.

Press the **UP** or **DOWM** key to select the Reverse screen. Press "+"or"-" key to reverse the servo direction for that selected channel.

Press the MENU key to save and return last menu
Press the EXIT key to not keep and return last menu

AIL:	Aileron
ELE:	Elevator
THR:	Throttle
RUD:	Rudder

GEA: Retractable landing Gear

PIT: Ptich(ch6)
AUX1: Auxiliary1
AUX2: Auxiliary2



10. 2SUB TRIM

GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key select the SUB TRIM menus, and press MENU key for short into next submenu.

Press UP/DOTN key to choose the SUB TRIM screen.

Press "+"or"-" key to adjust the sub-trim position for that selected channel.

Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



SUB TRIM:

The SUB-TRIM function allows you to electronically adjust the centering of each servo. Sub trim is individually adjustable for all 8 channels, with a range of +or-120%.

Press the **UP** or **DOWM** key to select the SUB TRIM screen.

Press "+"or"-" key to adjust the sub-trim position for that selected channel.

Press the **MENU** key to save and return last menu Press the **EXIT** key to not keep and return last menu.

NOTE:Do not use excessive sub-trim values as it is possible to overdrive the servo's maximum travel.

10. 3END POINT

GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



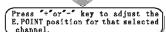
Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the END. POINT menus, and press MENU key for short into next submenu.



Press UP/DOTN key to choose the E. POINT screen.



Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



END POINT:

The most flexible version of travel adjustment available. It independently adjusts each end of each individual servo's travel, rather than one setting for the servo that affects both directions. Ranges from 0% to 120%.

Press the **UP** or **DOWM** key to select the E. POINT screen.

Press "+"or"-" key to adjust the END POINT position for that selected channel.

Press the **MENU** key to save and return last menu. Press the **EXIT** key to not keep and return last menu

NOTE:Do not use excessive E.POINT values as it is possible to overdrive the servo's maximum travel.



10. 4D/R&EXP

GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SHTTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the D/R& EXP menus, and press MENU key for short into next submenu.



Press UP/DOWN key to choose the D/RAEXP screen.



Press "+"or"-" key to change the select value.



Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



D/R&EXP:

The Dual Rate and Exponential function allows two control rates to be programmed and selected with a switch. Dual rates and expos are available on the aileron, elevator and rudder channels. Changing the dual rate value not only affects the maximum control authority but also affects the overall sensitivity of control. A higher rate yields a higher overall sensitivity. The sensitivity around center can be tailored using the Exponential function to precisely adjust control feel.

Press the \mathbf{UP} or \mathbf{DOWM} key to select the D/R & EXP screen.

Press"+"or"-" key to change the select D/R & EXP volue.

Press the **MENU** key to save and return last menu. Press the **EXIT** key to not keep and return last menu.

GLID

10. 5TRIM

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the TRIM menus, and press MENU key for short into next submenu.



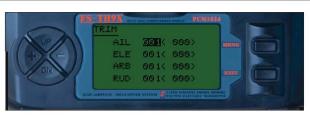
Press UP/DOWN key to choose the TRIM screen.



Press "+"or"-" key to change the selected TRIM value.



Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



TRIM:

The FS-TH9X super has digital trims whic are different from conventional mechanical trim slders. Each trim lever is actually a two-direction switch. Each time the trim lever is pressed, the trim is changed a selected amount. When you hold the trim lever, the trim speed increases. The current trim position is graphically displayed on the start up screen. The trim submenu includes two functions that are used to manage the trim options.

Press the **UP** or **DOWM** key to select the TRIM screen. Press "+"or"-" key to change the selected trim value.



10. 6FAIL SAF GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key select the FAIL SAF menus, and press MENU key for short into next submenu.

-///

Press UP/DOWN key to choose the FAIL SAF screen.

Press "+"or"-" key to change the selected (NOR or F/S).

--

Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



FAIL SAF:

Sets responses in case of loss of signal or low rx battery (PCM mode only).

Press the **UP** or **DOWM** key to select the FAIL SAF screen.

Press + /- key for short and regulate the parameter (when showing for F/S XXX% for parameter, Press **MENU** key for short and see that reads the output of the corresponding passway, regard value read as the establishing value)

Press the **MENU** key to save and return last menu. Press the **EXIT** key to not keep and return last menu.

10. 7TIMER

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

\$

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the TIMER menus, and press MENU key for short into next submenu.



Press UP/DOWN key to choose the TIMER screen.



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



TIMER:

The time-recorder is used calculating comparable bo stipulated time unexpectedly, or the possible time of flight under the state that the fuel fill it up with, it is very convenient. The pattern of the time-recorder is the count-down. Pour time-recorder from set for time is it is it count to change, show surplus time at interface to begin. The time-recorder can set forthe settlement time of 99 minutes and 59 seconds altogether at most.

START:Press TRN switch.**STOP:**Press trn switch **REST TIMER:**Press EXIT key for long time of the initial picture.

STANTE: INH forbids this function, ACT lauches

the function. **Warn the sound:** After establishing time for less than 59 seconds, warning sound appears in one second in every interval [Bi]: It sets for time to finish long and loud.

Press the **UP** or **DOWM** key to select the TIMER screen. Press "+"or"-" key to change the select TIMER volue.



D. 8FLAPTRIM

GLID

STEPS:

Under the state of the initial picture, press MBNU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the FLAPTRIM menus, and press MBNU key for short into next submenu.



Press UP/DOWN key to choose the FLAPTRIM screen.



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu Press EXIT key go not keep and return



FLAPTRIM:

FLAP-TRMassigns the primary flaperon controlto allow trimming in flight of the flap action of flaperons . (Note: even if FLAP-TRIM is made active with AIL-DIFF, it will not have any effect The ONLY function that allows control of the ailerons as flaps in the AIL-DIFF configuration is AIRBRAKE) Most modelers use AIRBRAKE, or programmable mixes, to move the flaps to a specified position via movement of a switch.

FLAP-TRIM may also be used as the primary flap control in flight by doing so ,you can assign CH6 to a 3-position switch, with a "spoiler on", neutral, and "flaperon" position ,and even adjust the percentage traveled as flaperon/spoileron by changing the Flap Trim travel (Note that there is only one setting not independent settings for up and down travel).

Press the UP or DOWM key to select the FLAPTRIM screen. Press "+"or"-" key to change the select FLAPTRIM volue.

Press the MENU key to save and return last menu. Press the EXIT key to not keep and return last menu.

10. 9AILDIFF

GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu,



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the AILD DIFF menus, and press MENU key DIFF menus, and press MENU for short into next submenu.



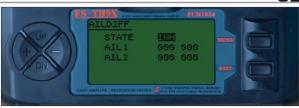
Press the UP or DOWM key to select the AILDIFF screen.



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep sultand return last menu. Press EXIT key go not keep and return



AllDIFF:
Aileron differential is primarily used on 3 or
4-servo wings with one servo(s)operating inboard
flap(S) on CH6 or CH5 & CH6, and ALL-DIFF controlling proper aileron operation of 2 aileron servos plugged into CH1and CH7. The ailerons can not be moved like flaps when using AIL-DIFF, except if using AIRBRADE (Note that even if you make FLAP_TRIM active while using AIL-DIFF, it will not have any effect , ONLY AIRBRAKE controls the ailerons as flaps in the AIL-DIFF configuration).

NOTE: When changing the polarity of a rate, "change rate dir?" is displayed for a check please set up after pressing DIAL for 1 second and canceling an alarm display (GLID only).

Press the UP or DOWM key to select the AILDIFF screen. Press "+"or"-" key to change the select AILDIFF volue.

Press the MENU key to return last menu. Press the **EXIT** key to return last menu.



10. 10ELEFLAP GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key select the ELEF LAP menus, and press MENU key for short into next submenu.

Press the UP or DOWM key to select the ELEFLAP screen.

Press "+"or"-" key to change the select volue.

Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



ELEFLAP:

ELEV-FLAP mixing is the first pre-programmed mix weill cover This mix makes the flaps drop or rise whenever the ELEVATOR STICK is moved, It is most commonly used to make tighter pylon turns or squarer corners in maneuvers In most cases the flaps droop (are lowered)when up elevator is commanded.

Press the UP or DOWM key to select the ELEFLAP screen.

Press "+"or"-" key to change the select ELEFLAP volue.

Press the MENU key to return last menu.

Press the EXIT key to return last menu.

GLID

10. 11V-TAIL

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key select the V-TAIL menus, and press MENU key for short into next submenu.

Press UP/DOWN key to choose the V-TAIL screen.

Press "+"or"-" key to change the select volue.

Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu.



V-TAIL:

V_TAIL mixing is used with v-tail aircraft so that both elevator and rudder functions are combined for the two tail surfaces Both elevator and rudder travel can be adjusted independently on each surface.

NOTE: If V-TAIL is active you cannto activate ELEVON or AILEVATOR functions If one of these functions is active an error message will be displayed and you must deactivate the last function prior to activating ELEVON.

NOTE:Be sure to move the elevator and rudder sticks regularly while checking the servo motions If a large value of travel is specified when the sticks are moved at the same time the controls may bind or run out of travel Decrease the travel until no binding occurs

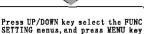
Press the **UP** or **DOWM** key to select the V-TAIL screen. Press "+"or"-" key to change the select V-TAIL volue.

10. 12PROG. MIX

GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key choose PROG. HIX menu, press MRNU key for short and enter the page to establish.

for short into next submenu,

Press UP/DOWN key to choose the PROG. MIX screen.

Press MENU key for short into next usbmenu.

PressEXIT key to returnlast menu.



PROG. MIX:

In helicopter mode the FS-TH9X offer three programmable mixes that allow stick or switch inputs to control the output of two or more servos. This function allows mixing any one channel to any other channel or the ability to mix a channel to itself. The mix canremain ON at all times, or be switched OFF in flight using a number of different switches. (Refer to chart below.) Mix values are adjustable from 0 to 100%. Each channel is identified by a four-character name (i.e., Aileron-AILE, Elevator-ELEV, etc.). The channel appearing first is the master channel. The second channel is the slave channel. For example, AILE-ELEV would indicate aileron-to-elevator mixing. Each time the aileron stick is moved, the elevator will deflect, and the elevator will automatically move in the direction and to the position based on the value input in the programmable mix screen. Mixing is proportional, so small inputs of the master channel will produce small outputs of the slave channel. Each programmable mix has a mixing offset. The purpose of the mixing offset is to redefine the neutral position of the slave channel.

Press the **UP** or **DOWM** key to select the PROG. MIX

screen.
Press the **MENU** key into next submenu.

GLID

10. 12. 1MIX1-5

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key choose PROG. MIX menu, press MENU key for short and enter the page to establish.

Press UP/DOWN key to choose the MIX1 menu, press MENU key for short into next submenu.

Press UP/DOWN key to choose the MIX1 screen.

Press "+"or"-" key to change the select value.

Press MENU key for short to keep result and return last menu.
press EXIT key for short to not keep and treurn to last menu.



MTX1-5

Mix purpose to accuse of form to get rid of little mistake of organism, make it is it can take the heart conveniently even more to have not to handle. The very wanton one mixes accusing of among the channel.

INH: disable the function.

ACT: enable the function.

MASTER: select intput channel.

SLAVE: select output channel.

SW: NOR/IDL1, IDL2, ON.

Press the **UP** or **DOWM** key to select the MIX1 screen.

Press "+"or"-" key to change the select volue.

Press the **MENU** key to save and return last

Press the **EXIT** key to not keep and return last menu



10. 12. 2MIX6-7 GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key choose PROG. MIX menu, press MENU key for short and enter the page to establish.

Press UP/DOWN key to choose the MIX6 menu, press MENU key for short into next subnenu.

Press UP/DOWN key to choose the MIX6 screen.

Press "+"or"-" key to change the select value.

Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



MIX6-7:

Mix purpose to accuse of form to get rid of little mistake of organism, make it is it can take the heart conveniently even more to have not to handle. The very wanton one mixes accusing of among the channel.

INH: disable the function. ACT: enable the function. MASTER: select intput channel.

SLAVE: select output channel.

SW: NOR/IDL1, IDL2, ON.

CURVE: curves have five adjustable points-low, 25%, 50%, 75% and high.

Press the **UP** or **DOWM** key to select the MIX6 screen. Press "+"or"-" key to change the select volue. Press the **MENU** key to save and return last menu Press the **EXIT** key to not keep and return last menu

10. 13 BUTTERFLY

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key select the BUTT ERFLY menus, and press MENU key for short into next submenu.

Press UP/DOWN key to select the BUTTERFLY screen.

Press "+"or"-" key to change the select value.

Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



BUTTERFLY:

Simultaneously moves the flap, twin ailerons and elevator, and is usually used to make steep descents or to limit increases in airspeed in dives.

Press the **UP** or **DOWM** key to select the BUTTERFLY screen. Press "+"or"-" key to change the select volue. Press the **MENU** key to save and return last menu Press the **EXIT** key to not keep and return last menu

GLID



10. 14STARTOFS GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the PUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key choose STARTOFS menu, press MENU key for short and enter the page to establish.

Press UP/DOWN key to choose the STARTOFS screen.

Press "+"or"-" key to change the select value.

Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



STARTOFS:

The start function is used to offset the aileron, elevator, and flap servos to the position that provides maximum lift during launch. Normally the ailerons and flaps are drooped about 20-30, with the flaps drooped slightly more to prevent tip-stalling on tow. The elevator can also be offset in order to trim out any pitch changes caused by the flap and aileron presets.

Press the **UP** or **DOWM** key to select the STARTOFS screen. Press "+"or"-" key to change the select volue. Press the **MENU** key to save and return last menu Press the **EXIT** key to not keep and return last menu

10. 15SPEEDOFS

GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.

Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.

Press UP/DOWN key select the SPEE DOFS menus, and press MENU key for short into next submenu.

Press UP/DOWN key to select the SPEEDOFS screen.

Press "+"or"-" key to change the select value.

Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



SPEEDOFS:

The speed function is used to offset the aileron, elevator, and flap servos for minimum drag in cruise and high-speed flight. Normally the ailerons and flaps are raised about 3-5%.

Press the **UP** or **DOWM** key to select the SPEEDOFS screen. Press "+"or"-" key to change the select volue. Press the **MENU** key to save and return last menu Press the **EXIT** key to not keep and return last menu



10. 16DISPLAY

GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the DISPLAY menus, and press MENU key for short into next submenu.



Press the UP or DOWM key to select the TEST (ON or OFF).



Press MENU or EXIT key return last menu.



DISPLAY:

Display radio's output to channels 1-8.

The servo submenu includes two features:

Real-tune bar-graph display to demonstrate exactly what commands the transmitter is sending to the servos. (This can be particularly handy in setting up models with complicated mixing functions, because the results of each stick, lever, knob, switch input and delay circuit may be immediately seen.)

Servo cycle function to help locate servo problens prior to in-flight failures.

Press the UP or DOWM key to select the TEST (ON or OFF).

Press the MENU key to return last menu.

Press the EXIT key to return last menu.

10. 17TRANIER

GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key choose TRAINER menu, press MENU key for short and enter the page to establish.



Press UP/DOWN key to choose the TRAINER screen.



Press "+"or"-" key to change the select CHANNEL (NORM or FUNC).



Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



TRAINER:

For training novice pilots with optional trainer cord connecting 2 transmitters. The instructor has several levels of controllability.

NORM: When the trainer switch is ON, the channel set to this mode can be controlled by the student. The set channel is controlled according to any programming set at the student's transmitter.

FUNC: When the trainer switch is ON, the channde set to this mode can be controlled by student, controlled according to any mixing set at the instructor's transmitter.

Press the **UP** or **DOWM** key to select the TRAINER screen, Press"+"or"-" key to change the select channel NORM or FUNC).



10. 18FLAPERON

GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the FLAPERON menus, and press MENU key menus, and press ME for short into next submenu.



Press the UP or DOWM key to select the HELI screen.



Press "+"or"-" key to change the select value.



Press MENU key for short to keep resultand return last menu. Press EXIT key to not keep and return



FLAPERON:

The FLAPERON mixing function uses one servo on each of the two ailerons, and uses them for both aileron and flap fuction. For flap effect, the ailerons raise/lower simultaneously. Of course, aileron function (moving in opposite directions) is also performed.

Press the UP or DOWM key to select the

FLAPERON screen. Press the "+"or"-" key to change the select FLAPERON volue.

Press the **MENU** key to save and return last menu

Press the EXIT key to not keep and return last menu

GLID

10. 19ELEVON

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the ELEV ON menus, and press MENU key for short into next submenu.



Press the UP or DOWN key to select the ELEVON screen.



Press "+"or"-" key to change the select volue.



Press MENU key for short to keep resultand return last menu. Press EXIT key go not keep and return last menu



ELEVON:

Used with delta wings flying wings and other tailless aircraft that combine aileron and elevator functions using two servos one on each elevon. The aileron/elevator responses of each servo can be adjusted independently, This is also popular for ground model use such as tanks which drive two motors together for forward and one motor forward/one backward for turning.

Adjustability:

Requires use of CH1 and Ch2

Independently adjustable aileron travel allows aileron differential.

Independently adjustable elevator travel allows for differential in up vs down travel.

Press the UP or DOWM key to select the ELEVON screen. Press "+"or"-" key to change the select ELEVON volue.

Press the MENU key to return last menu.

Press the **EXIT** key to return last menu.



10. 20AUX-CH GLID

STEPS:

Under the state of the initial picture, press MENU key forlong, access the main menu.



Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next submenu.



Press UP/DOWN key select the AUX-CH menus, and press MENU key for short into next submenu.



Press UP/DOWN key to choose the AUX-CH screen.



Press "+"or"-" key to select input



Press MENU key for short to keep result and return last menu. press EXIT key for short to not keep and treurn to last menu.



AUX-CH:

Defines the relationship between the transmittercontrols and the receiver output for channels 5-9. Also, the ch9 servo reverse is used to change the ch9 servo direction.

Press the **UP** or **DOWM** key to select the AUX-CH screen.
Press "+"or"-" key to select input channels.

Press the **MENU** key to save and return last menu. Press the **EXIT** key to not keep and return last menu.

Note that the ch9 functions are only visible in the AUX-CH screen when PCM modulation is selected. The ch9 is not supported in PPM modulation.

