

9. 20THRNEEDL

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key for long, 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 THRN EEDL menus, and press MENU key for short into next submenu.

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

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

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



THRNEEDL:

THRATTLE-NEEDLE is a pre-programmed mix that automatically moves an in-flight mixture servo (CH8) in response to the THRATTLE 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 **DOWN** key to select the THRNEEDL screen. Press "+" or "-" key to change the select THRNEEDL value. Press the **MENU** key to return last menu. Press the **EXIT** key to return last menu.

9. 21PROG. MIX

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key for long, 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. MIX screen.

Press MENU key for short into next submenu.

Press EXIT key to return last 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 can remain 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 **DOWN** key to select the PROG. MIX screen. Press the **MENU** key into next submenu. Press the **EXIT** key to return last menu.

9.21.1 MIX1-5

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key for long, 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 return 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 input channel.

SLAVE: select output channel.

SW: NOR/IDL1, IDL2, ON.

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

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

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

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

9.21.2 MIX6-7

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key for long, 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 submenu.

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 return 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 input 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 **DOWN** key to select the MIX6 screen.

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

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

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

9. 22AILVTAOL

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key for long, 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 TAOL menus, and press MENU key for short into next submenu.



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



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



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



VILVTAOL:

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 cannot 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.

Press the **UP** or **DOWN** key to select the VILVTAOL screen. Press "+" or "-" key to change the select VILVTAOL value.

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

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

9. 23THRDELAY

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key for long, 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 THRDELAY screen.



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



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



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 about 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 as 8 and then using some creative mixes. Please see our Frequently Asked Questions area at www.FLYSKYCHINA.com for this specific example.

Press the **UP** or **DOWN** key to select the THRDELAY screen. Press "+" or "-" key to change the select THRDELAY value.

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

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

9. 24AUX-CH

AIRPLANE

STEPS:

Under the state of the initial picture, press MENU key for long, 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 return to last menu.



AUX-CH:

Defines the relationship between the transmitter controls 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 **DOWN** key to select the AUX-CH screen.

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

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

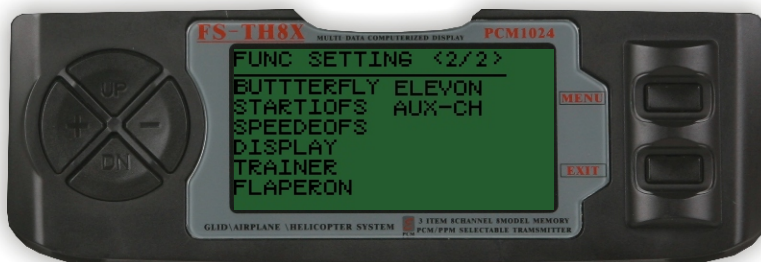
Press the **EXIT** key to not keep and return last menu

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.

10 FUNCTION SETTING (FOR GLID)



Page1



Page2

10. 1 REVERSE

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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 MENU key for short into next submenu.



Press UP/DOWN key to choose the REVERSE screen.



Press "+" or "-" key to reverse the servo 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 return 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 **DOWN** 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:	Pitch(ch6)
AUX1:	Auxiliary1
AUX2:	Auxiliary2

10. 2SUB TRIM:

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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/DOWN 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 return 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 **DOWN** 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 for long, 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 return 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 **DOWN** 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 for long, 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.



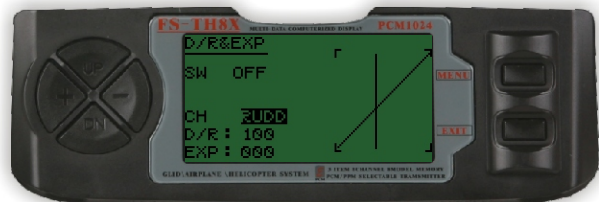
Press UP/DOWN key to choose the D/R&EXP screen.



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 return 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 **UP** or **DOWN** key to select the D/R & EXP screen.

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

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

10. 5TRIM

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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 result and return last menu. Press EXIT key go not keep and return last menu.



TRIM:

The FS-TH9X super has digital trims which are different from conventional mechanical trim sliders. 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 **DOWN** 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.

10. 6 FAIL SAF

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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 return to last menu.



FAIL SAF:

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

Press the **UP** or **DOWN** 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. 7 TIMER

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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 value.

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



TIMER:

The time-recorder is used calculating comparable to 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 for the 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 launches 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 **DOWN** key to select the TIMER screen. Press "+" or "-" key to change the select TIMER value. Press the **MENU** key to save and return last menu. Press the **EXIT** key to not keep and return last menu.

10. 8FLAPTRIM

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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 FLAPTRIM screen.

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

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



FLAPTRIM:

FLAP-TRM assigns the primary flap 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 **DOWN** key to select the FLAPTRIM screen. Press "+" or "-" key to change the select FLAPTRIM value. 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 for long, 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 DOWN key to select the AILDIF screen.

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

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



AILDIFF:

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 AIL-DIFF controlling proper aileron operation of 2 aileron servos plugged into CH1 and CH7. The ailerons can not be moved like flaps when using AIL-DIFF, except if using AIRBRAKE (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 **DOWN** key to select the AILDIF screen. Press "+" or "-" key to change the select AILDIF value. 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 for long, 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 ELEFLAP menus, and press MENU key for short into next submenu.

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

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

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



ELEFLAP:

ELEV-FLAP mixing is the first pre-programmed mix we'll 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 **DOWN** key to select the ELEFLAP screen.

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

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 for long, 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 value.

Press MENU key for short to keep result and 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 cannot 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 **DOWN** key to select the V-TAIL screen. Press "+" or "-" key to change the select V-TAIL value.

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

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

10. 12PROG. MIX

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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. MIX screen.

Press MENU key for short into next submenu.

Press EXIT key to return last 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 can remain 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 **DOWN** key to select the PROG. MIX screen.

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

10. 12. 1MIX1-5

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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 return 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 input channel.

SLAVE: select output channel.

SW: NOR/IDL1, IDL2, ON.

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

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

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

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 for long, 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 submenu.

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 return 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 input 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 **DOWN** key to select the MIX6 screen.

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

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

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

10. 13 BUTTERFLY

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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 BUTTERFLY 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 return 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 **DOWN** key to select the BUTTERFLY screen.

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

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

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

10. 14STARTOFS

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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 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 return 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 **DOWN** key to select the STARTOFS screen. Press "+" or "-" key to change the select value. 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 for long, 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 SPEEDOFS 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 return 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 **DOWN** key to select the SPEEDOFS screen. Press "+" or "-" key to change the select value. 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 for long, 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 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 problems prior to in-flight failures.

Press the **UP** or **DOWN** 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 for long, 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 return 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 channel set to this mode can be controlled by student, controlled according to any mixing set at the instructor's transmitter.

Press the **UP** or **DOWN** key to select the TRAINER screen. Press "+" or "-" key to change the select channel NORM or FUNC). Press the **MENU** key to save and return last menu. Press the **EXIT** key to not keep and return last menu.

10. 18FLAPERON:

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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 DOWN key to select the HELI screen.



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



Press MENU key for short to keep result and 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 function. For flap effect, the ailerons raise/lower simultaneously. Of course, aileron function (moving in opposite directions) is also performed.

Press the **UP** or **DOWN** key to select the FLAPERON screen.
Press the "+" or "-" key to change the select FLAPERON value.
Press the **MENU** key to save and return last menu.
Press the **EXIT** key to not keep and return last menu.

10. 19ELEVON

GLID

STEPS:

Under the state of the initial picture, press MENU key for long, 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 ELEVON 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 value.



Press MENU key for short to keep result and return last menu. Press EXIT key to 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.

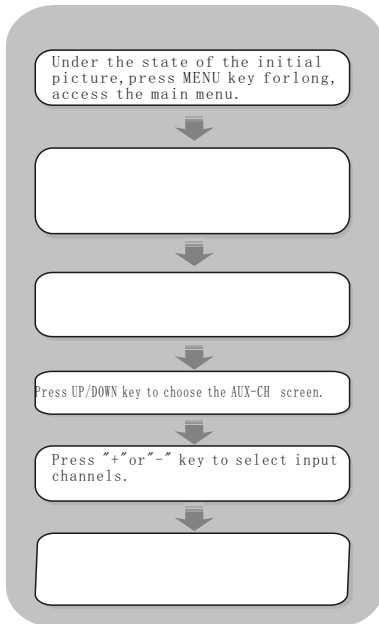
Adjustability:

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 **DOWN** key to select the ELEVON screen.
Press the "+" or "-" key to change the select ELEVON value.
Press the **MENU** key to return last menu.
Press the **EXIT** key to return last menu.

10. 20AUX-CH



AUX-CH:

Defines the relationship between the transmitter controls 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.

FCC WARNING

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The antenna provided is a unique antenna. By installation of unauthorized antenna to this equipment. Such unauthorized installation could void the user's authority to operate the equipment.

NOTE: The manufacturer is not responsible for and radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.



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