iMAX-9X

INSTRUCTION MANUAL

Radio Control System
for Airplanes/Helicopters/Glid

9XM070915

Table of contents

1. Introduction

Thank you for purchasing the iMAX-9X series digital proportional R/C system. This R/C system is extremely versatile and may be used by beginners and pros alike. In order for you to make the best use of your R/C system and to fly safely, please read this manual carefully. If you have any difficulties while using the R/C system, please consult the manual, our websites, your hobby dealer, or the SKYRC service center.

Suggestion:If,while reading the instructions,you are unclear of some of the procedures or functions and become stuck,continue to read on anyway.Often,the function or procedure will be explained again later in a different way, providing another perspective from which to understand it.Another suggestion is to connect the battery,switch and servos to the receiver and actually operate the radio on your workbench as you make programming changes.Then,you'll be able to see the effects of your programming inputs.

2. Service

If any difficulties are encountered while setting up or operating your system,please consult the instruction manual first.For further assistance you may also refer to your hobby dealer,or contact the SKYRC Service Center at the web site.

3. Meaning of Special Markings

Pay special attention to safety where indicated by the following marks:

DANGER-Procedures which may lead to dangerous conditions and cause death/serious injury if not carried out properly.

WARNI NG-Procedures which may lead to a dangerous condition or cause death or serious injury to the user if not carried out properly, or procedures where the probability of superficial injury or physical damage is high.

CAUTION-procedu res where the possi bility of serious injury to the user is small, but there is a dang er of injury, or physi cal dam age, if not car ried out properl y.

Prohibited Mandatory

Warning: Always keep electrical components away from small children.

FLYING SAFETY

To ensure the safety of yourself and others, please bserve the following precautions:

Have regular maintenance performed. Although our iMAX super protects the model memories with non-volatile EEPROM memory(which does not require periodic replacement) and not a battery, it still should have regular checkups for wear and tear, We recommend sending your system to the FLYSKY Service Center annually during your non-flying-season for a complete checkup and service.

NI-Cd Battery

Charge the batteries! (See Charging the Ni-Cd batteries, p. 9, for details.) Always recharge the transmitter and receiver batteries for at least 8 hours before each flying session. A low battery will soon die, causing loss of control and a crash. When you start your flying session, reset your IMAX9Xsuper's built-in time, and during the session pay attention to the duration of usage.

Stop flying long before your batteries become low on charge.Do not rely on your radio's low battery warning systems,intended only as a precaution,to tell you when to recharge.Always check your transmitter and receiver batteries prior to each flight.

Where to Fly

We recommend that you fly at a recognized model airplane flying field.You can find model clubs and fields by asking your nearest hobby dealer.

Aways pay particular attention to the flying field's rules, as well as the presence and location of spectators, the wind direction, and any obstacles on the field. Be very careful flying in areas near power lines, tall buildings, or communication facilities as there maybe radio interference in their vicinity.

If you must fly away from a club field, be sure there are no other modelers flying within a three-to-five-mile range, or you may lose control of your aircraft or cause someone else to lose control.

At the flying field

Before flying,be sure that the frequency you intend to fly with is not in use ,and secure any frequency Control device(pin,tag,etc)for that frequency before turning on your transmitter,It is never possible to fly two or more models on the same frequency at the same time .Even though there are different types of modulation(AM,FM.PCM)only one model may be flown on a single frequency at any one time.

To prevent possible damage to your radio gear,turn the power switches on and off in the proper sequence:

1.Pull throttle stick to idle position,or otherwise disarm your motor/engine.
2. Turn on the transmitter and wait for the home screen to appear
3. Confirm the correct model memory has been selected.
4.Fully extend the transmitter antenna.
5.Turn on your receiver power.

6.Test all controls If a servo operates abnormally,don't attempt to fly until you determine the cause of the problem(For PCM systems only:Test to ensure that the FailSafe settings are correct by waiting at least 2 minutes after adjusting then,turning the transmitter off and confirming the proper surface/throttle movements,Turn the transmitter back on.)

7. Start your engine
8. Complete a full range check (see p.8)
9. After flying,bring your throttle stick to idle position,engage any kill switches or otherwise disarm your motor/engine
10. Turn off receiver power
11. Turn off transmitter power

If you do not turn on your system in this order,you may damage your servos or control surfaces,flood your engine,or in the case of electric-powered or gasoline-powered models,the engine may unexpectedly turn on and cause a severe injury.

While you are getting ready to fly,if you place your transmitter on the ground,be sure that the wind won't tip it over. If it is knocked over,the throttle stick may be accidentally moved,causing the engine to speed up.Also ,damage to your transmitter may occur.

Before taxiing,be sure to extend the transmitter antenna to its full length .

A collapsed antenna will reduce your flying range and cause a loss of control.It is a good idea to avoid pointing the transmitter antenna directly at the model ,since the signal is weakest in that direction..

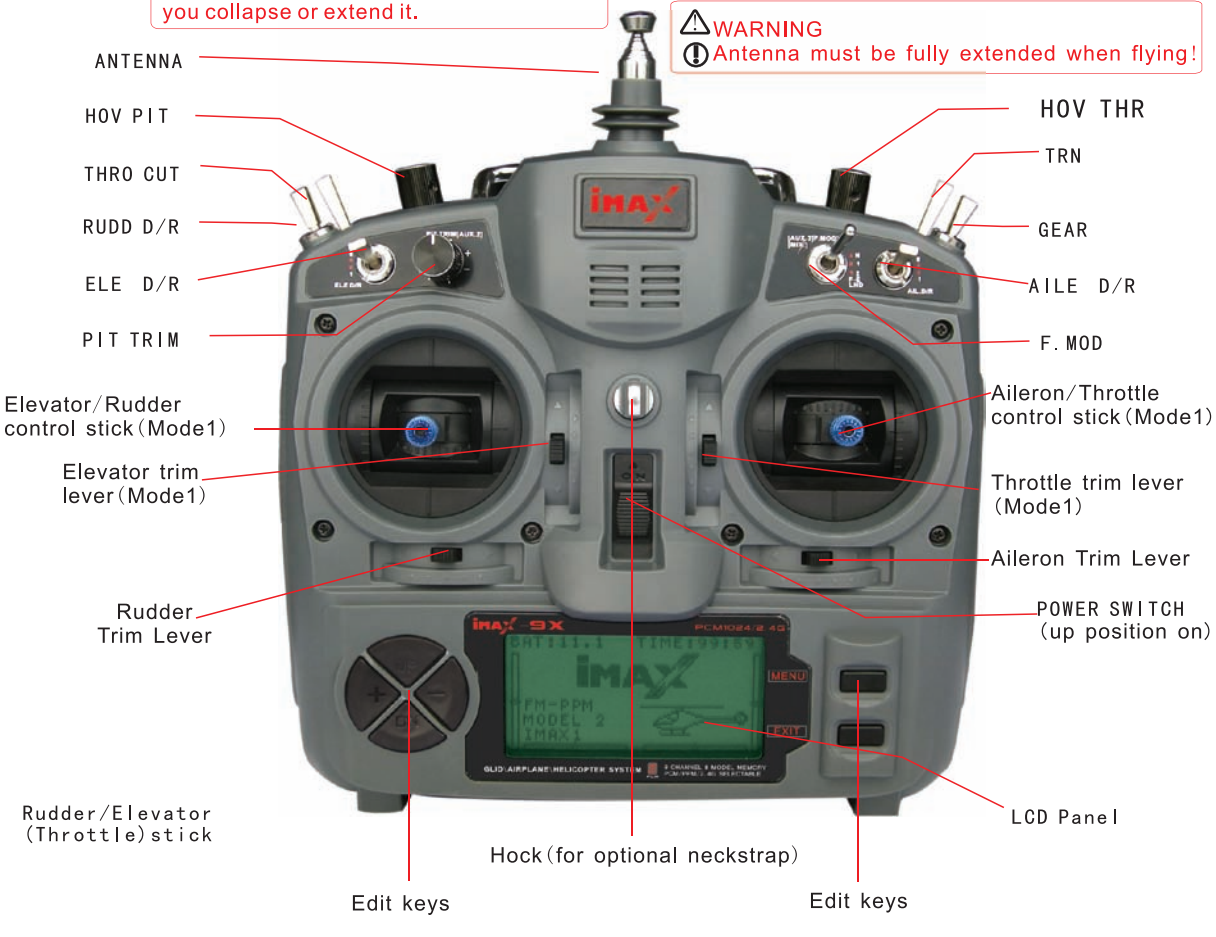
Don't fly in the rain!Water or moisture may enter the transmitter through the antenna or stick openings and cause erratic operation or lossof control If you must fly in wet weather during a contest ,be sure to cover your transmitter with a plastic bag or waterproof barrier.Never fly if lightning is expected.

Transmitter Controls-AIRPLANE

Be careful not to bend your antenna when you collapse or extend it.

Transmitter controls-HELI

⚠WARNING
Antenna must be fully extended when flying!



This figure shows the default switch assignments for a iMAX-9X super MODE1 system as supplied by the factory.You can change many of the switch positions or functions by selecting a new position within the setting menu for the function you wish to move.

Carrying Handle

CAUTION

To remove, press the tabs together and gently pull rearwards.
To install, line up the connector pins with the socket in the rear of the module and gently snap into position.

RF module

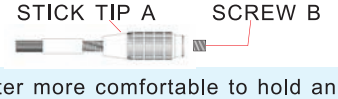
Trainer function /DSC function connector

Battery cover

Charging jack

NOTE:If you need to remove or replace the transmitter battery,do not pull on its wires to remove it.Instead,gently pull on the connector's plastic housing where it plugs into the transmitter.

Stick lever tension adjustment:

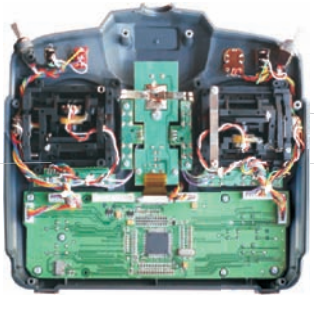


You may change the length of the control sticks to make your transmitter more comfortable to hold and operate.To lengthen or shorten your transmitter's sticks,first unlock the stick tip by holding locking screw B and turning stick tip A counterclockwise. Next,move the locking screw B up or down(to lengthen or shroten).When the length feels comfortable,lock the position by turning locking screw B counterclockwise.

You may adjust the tension of your sticks to provide the feel that you prefer for flying.To adjust your springs,you'll have to remove the rear case of the transmitter.First,using a screwdriver,remove the six screws that hold the transmitter's rear cover in position,and put them in a safe place.Gently ease off the transmitter's rear cover.Now you'll see the view shown in the figure above.

Using a small Phillips screwdriver,rotate the adjusting screw for each stick for the desired spring tension.The tension increases when the adjusting screw is turned clockwise.

When you are satisfied with the spring tensions, reattach the transmitter's rear cover.Check that the upper PCB is on its locating pins,the very carefully reinstall the rear cover being mindful to guide the RF module connector pins through the slot in else case.When the cover is properly in place,reinstall and tighten the four screws.Reinstall the battery, cover and module.

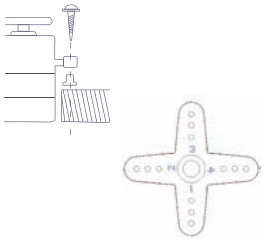


Mode 1 transmitter with rear cover removed.

5. Radio Installation

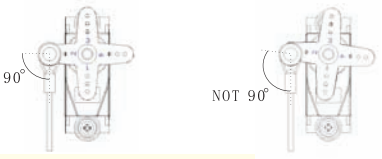
Follow these guidelines to properly mount the servos,receiver and battery
Make sure the alignment tab on the battery,switch and servo connectors is oriented correctly and “key”into the corresponding notch in the receiver or connectors before plugging them in .when unplugging connectors,never pull on the wires.Always pull on the plastic connector instead.
If any servo wires are not long enough to reach the receiver ,servo extension wires (available separately)may be used.

Always mount the servos with the supplied rubber grommets.
Do not over tighten the screws.No part of the servo casing should contact the mounting rails,servo tray or any other part of the airplane structure.Otherwise,vibration will be transmitted to the servo causing premature wear and/or servo failure.



Note: the small numbers(1.2.3.4)molded into each arm on the Futaba 4-arm servo arms.The numbers indicate too many degrees each arm is “off”from 90 degrees to correct for minute manufacturing deviations from servo to servo.

To center the servos,connect them to the receiver and turn on the transmitter and receiver,Center the trims on the transmitter,then find the arm that will be perpendicular to the pushrod when placed on the servo.

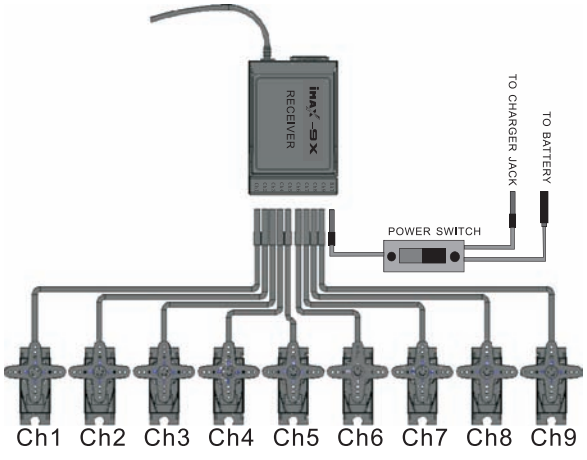


After the servos are installed operate each servo over its full travel and check that the pushrods and servo arms do not bind or contact each other Also make sure the controls do not require excess force to operate If there is an objectionable buzzing sound coming from a servo there is probably too much resistance in the control.Find and correct the problem Even if there is no servo damage excess battery drain will result.

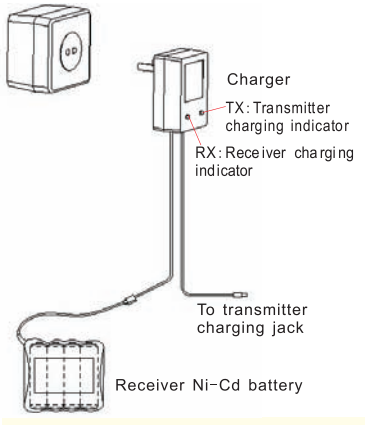
Use the mounting plate from the receiver on/off switch as a template for the cutout and screw holes Mount the switch on the side of the fuselage opposite the engine exhaust, and where it won't be inadvertently turned on or off during handling or storage Be certain the switch moves without restriction and “snaps”from ON to OFF,and that the cutout allows full motion of the switch in both directions.

IMPORTANT:NEVER cut the receiver antenna or mount it in the model folded back on itself period. Doing so will change its electrical length,possibly reducing the distance from the model can be controlled (“range”).
The receiver antenna may be mounted inside or outside the model

5. 1 Receiver and Servo Connections



5. 2 Charging the Ni-Cd Batteries



The transmitter and receiver batteries included with your iMAX-9x system are rechargeable, Ni-Cd batteries. Ni-Cd batteries require special care and charging.

NOTE:The batteries are partially charged,but will require a full, overnight charge before the model may be flown.

1.Connect the transmitter charging cord coming from the A/C wall charger to the charge jack in the right side of the transmitter case. The receiver charging cord may be connected to the batteries two different ways:The charge cord may be connected directly to the battery pack, or to the vacant charge connector(black)coming from the on/off switch in the model.Charging"through the switch"is preferred as there will be no need to disconnect the battery.

2.Plug the A/C wall charger into a wall outlet.Note:If the wall outlet can be turned off by a switch in the room, be certain the switch remains on after leaving the room.Otherwise,the batteries will not be charged!

3.The LEDs(light-emitting diodes)should light red, indicating that current is flowing and the batteries are being charged.Discharged batteries will take about 15 hours to fully charge.If using an aftermarket fast charger,be certain to follow the manufacturer's instructions provided with the charger so you do not overcharge the batteries. NEVER charge the batteries at a rate higher than 1000mA.The batteries should also be discharged from time to time prevent a condition called"memory".If,for example,only two flights are made each time you go flying, the batteries will not have been very deeply discharged.If not fully discharged occasionally, Ni-Cd batteries will temporarily lose their capacity to store electricity. To restore their capacity it is useful to "cycle" the battery at regular intervals (say once every couple of months). This can be done with a suitable 3rd-party charger, or by simply allowing the transmitter to operate until the low-votage warning sounds before recharging. Note: avoid allowing the batteries to drop below 8V when doing this. If the batteries still won't hold a charge it is best to replace them.

NOTE:charging your batteries with the included SKYRC battery charger is always safe.However,fast-charging with an aftermarket charger is acceptable as long as you know how to properly operate the charger,NEVER charge at a rate higher than 1000mA.If not done correctly,fast-charging can damage the batteries.

5. 3 Range Testing Your R/C System

Please note that different systems demonstrate different range checks and the same system will range check differently in different conditions.Also,the receiver antenna's installation affects the range test--exiting the top of the model is ideal.This is a brief explanation of range test.
For more in-depth specifics on receiver antenna mounting,additional checks if unsatisfactroy range is demonstrated,range checking with gasoline powered engines,etc,please see our F.A.Q.page at www.SKYRC.cn.

- Leave the transmitter's antenna retracted and be sure both batteries are fully charged.
- Position the aircraft away from wires,other transmitters,etc.

Test one-engine/motor off, minimum of 100 ft. range:

- Have a friend view the model but not hold it,engine off.(People conduct signals,too!)
- Walk away from the model,working all controls constantly.Stop when the servos jitter significantly(a jitter here and there is normal),control movement stops(PCM),or you lose control altogether.
- Measure the distance.If greater than 100 feet,then proceed to Test 2.Less than 100 feet of range check means you need more information to determine if your system is safe to fly.Please see our web site or call support for additional tests to perform before flying your system.
- Repeat with friend holding the model. Note any differences.

Test two-engine/motor on:

- Repeat the test with the model's engine running and with someone holding the model.If a decrease of more than 10% is noted,research and resolve the cause of interference prior to flying your model.

5. 4 Instruction Manual for iMAX 9 CH 2.4G Radio Control System

Thank you for purchasing the iMAX 9CH 2.4G Radio Control system. In order to make the best use of your iMAX 9CH 2.4G and to operate it safely, please read all the instructions carefully before using this product.

I. Introduction

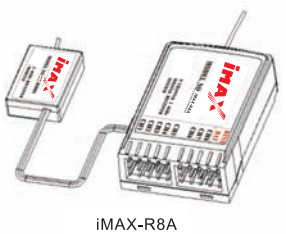
This 2.4G product adopts both position code and automatic frequency conversion mode. Advanced digital transmission method can effectively prevent external interference.

1. iMAX-TH9X (Figure 1. Transmit Controller)
2. iMAX-TM001 (Figure 2. 2.4G Transmit Module)
3. iMAX-R8A (Figure 3. 2.4G Receiver)

Note: These parts have already been paired before shipment, no further pairing needed after purchase.

iMAX-TH9X
Figure 1

iMAX-TM001
Figure 2



iMAX-R8A
Figure 3

Assembly Illustration

II Pairing

If you want to transmit and receive with another transmitter, please proceed as the following steps:

1. Install 2.4G module into transmitter unit (as Figure 4), and insert batteries. Turn on transmitter and set code mode to PPM, turn off transmitter.
2. Insert pairing cord into BIND port of transmitter (as Figure 5).
3. Insert battery into receiver's BATT port, then two LED of the receiver blinks, this shows receiver is ready for being paired.
4. Press and hold buttons on the transmit module, turn on the transmitter power. (Note: do not release buttons)
5. Observe the two LEDs on the receiver, pairing succeeded if LEDs stay on solid.(Note: the whole procedure takes around 10s)
6. Release buttons on the transmitter, unplug pairing code.
7. Connect servo and test
8. If test result shows NG, repeat above procedures
9. If test result shows OK, pairing completed.

Remark: This pairing method, only applies to iMAX 2.4G products.

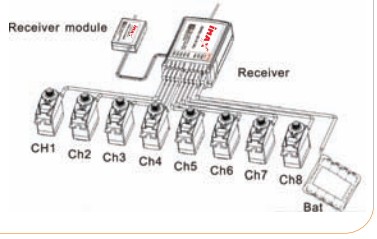


Figure 4

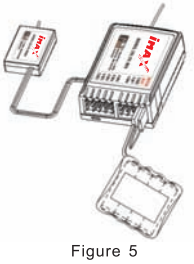


Figure 5

III Using the 2. 4G product

Turn on

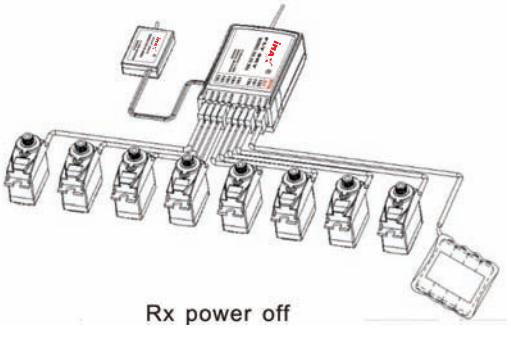
1. Connect all the components well
2. Turn transmitter's power on
3. Turn receiver's power on
4. LEDs on the receiver stays on
5. Can use the system now

Turn off

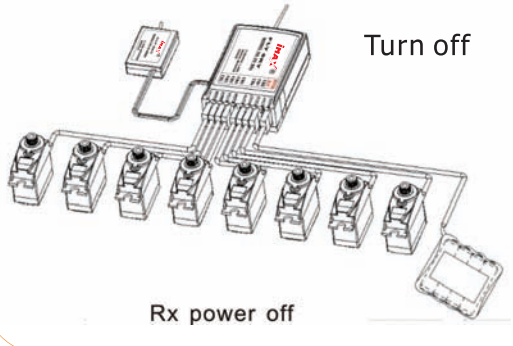
1. Turn receiver's power off
2. Turn transmitter's power off

Tx power off

Turn on



Rx power off



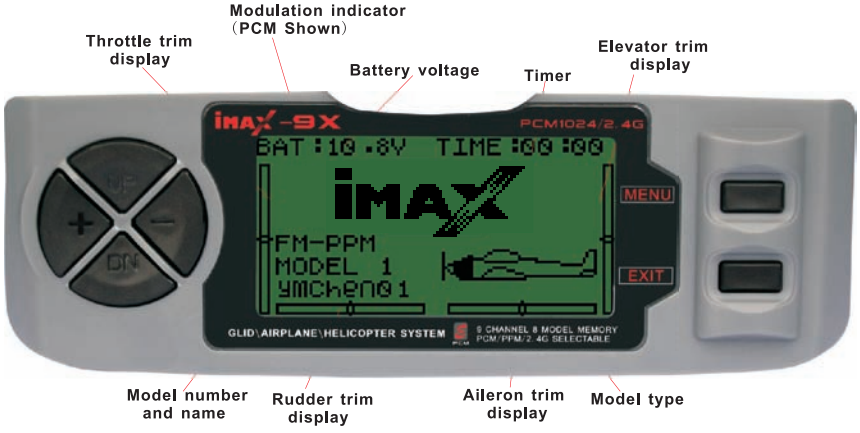
Rx power off

Turn off

Tx power off

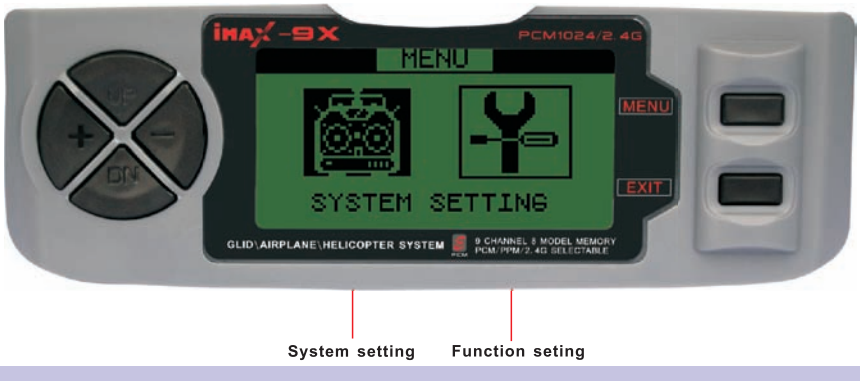
6. Multi LCD and Programming Controls

6. 1 DISPLAY



Battery voltage: Battery voltage display (If after the voltage of the battery is lower than 8.5V a buzzer will sound once every five seconds).
Modulation indicator: pulse position modulation (PPM) & pulse code modulation (PCM) select.
Model number and name: User's parameter serial number showing (A maximum of 8 models can be recalled from memory).
Rudder trim display: Rudder trim
Aileron trim display: aileron trim
Elevator/Throttle trim display: Elevator/Throttle trim
Throttle/Elevator trim display: Throttle/Elevator trim
Timer: Competition count-down (99 minutes and 59 seconds for maximum timer setting).
Model type: airplane Helicopter Glider select.

6. 2 Main Menu



Under the state of the initial picture, press MENU key for one or two seconds, enter the main menu.
System setting: configure non-model specific settings
Function setting: configure the various settings specific to each model you will be saving in memory
Use the UP or DOWN keys to select the required option.
A short-press of the MENU key will select the highlighted option
A short-press of the EXIT key will return you to the main screen.

NOTE:
The buzzer will sound once for each time a button is pressed unless the key no longer has any effect, such as when trying to increment or decrement beyond a valid number.

7 SYSTEM SETTING

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

Use the UP/DOWN keys to highlight the SYSTEM SETTING menu and then press the MENU key to activate it.

Use the UP/DOWN keys to select the required option within the SYSTEM SETTING menu.

Press the MENU key to call up the chosen option for editing.

Press EXIT Key return last menu.

SYSTEM SETTING:
MODEL SELE:This function selects which of the 8 model memories in the transmitter to set up or fly.

MODEL NAME: enter/edit the model name
TYPE SELE: Select model type (heli, plane, glider)
MODEUAT: Select PPM/FM or PCM
STICK SET: Select stick mode (1-4)
COPY: Model copy

Press the UP or DOWN key to select the SYSTEM SETTING screen.
Press the MENU key into next menu.
Press the EXIT key to return last menu.

7. 1 MODEL SELE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

Press UP/DOWN key select the SYSTEM SETTING menus, and press MENU key into next sub menu.

Use the UP/DOWN keys to select MODEL SELE option and press the MENU key to activate this option.

Use the UP/DOWN keys to highlight the MODULAT option.

Select the required modulation type using the UP/DOWN keys and press MENU to save that choice or EXIT to cancel the change. In both cases you will return to the previous menu.

MODEL SELECT:

This function selects which of the 8 model memories in the transmitter to set up or fly.For clarity the model's name and an image or its type are indicated after its mumber.(Each model memory may be of a different model type from the other memories.)

Press the UP or DOWN key to select the MODEL SEL screen.

Press the MENU key to save and return last menu.

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

7. 2 NAME EDIT

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu..

Press UP/DOWN key select the SYSTEM SETTING menus, and press MENU key for short into next sub menu.

Use the UP/DOWN key to hilight the NAMEEDIT menu and press the MENU key to activate it.

Use the UP/DOWN keys to select the character to be changed.

Use the + or - keys to select the desired character to use. Hold down the Menu key until the buzzer sounds to copy the character to the model name and repeat from step 4 until done.

To save the new model name use a short press of the MENU key. To cancel the changes press EXIT.

NAME EDIT:

The Model Name function is used to input and assign the model's name to a specific memory,allowing easy identification of each model's program.Each model's name is displayed on the main screen when that model is selected Up to eight characters that include numbers and letters are available.

Press the UP or DOWN key to move the cursor to the desired character's position.
Press the "+" or "−" key to select the desired character.
Hold down MENU key until buzzer sounds to enter
Press menu key briefly to exit and save changes
Press EXIT key to cancel changes

7. 3 TYPE SELE

STEPS:

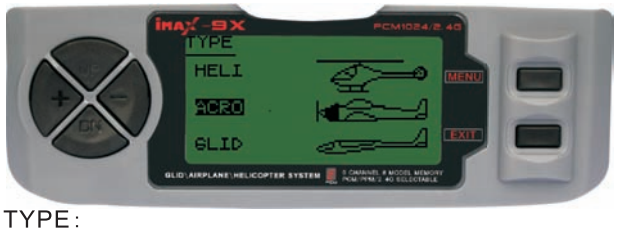
At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

Press UP/DOWN key select the SYSTEM SETTING menus, and press MENU key for short into next sub menu.

Use the UP/DOWN keys to select the TYPE menue then press MENU to activate it

Use the UP/Down keys to select the correct model type (Heli, Acro Glid).

Press the MENU key to save the selection or the EXIT key to cancel.



TYPE:

Sets the type of programming used for this model.

Press the UP or DOWN key to select the TYPE screen.
Press the MENU key to save and return last menu
Press the EXIT key not to keep and return last menu

NOTE:

Selecting the HELI option will display the swashplate menu that allows you to choose from five different mixing options

7. 3. 0 HILI SWASH TYPE SELECT

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

Press UP/DOWN key select the SYSTEM SETTING menus,and press MENU key for short into next sub menu.

Press UP/DOWN key to select the TYPE menu, and press MENU key for short into next sub menu.

Press UP/DOWN key for short and select HELI menu, and press MENU key for short into next menu.

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

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.

HELI:

The iMAX super radio support 5basic swash plate setting,including "single servo"(SW1-most helicopters use this type)and 4types of CCPM(cyclic collective and pitch mixing).

Press the UP or DOWN key to select the TYPE screen.
Press the MENU key to save and return last menu.
Press the EXIT key not to keep and return last menu.

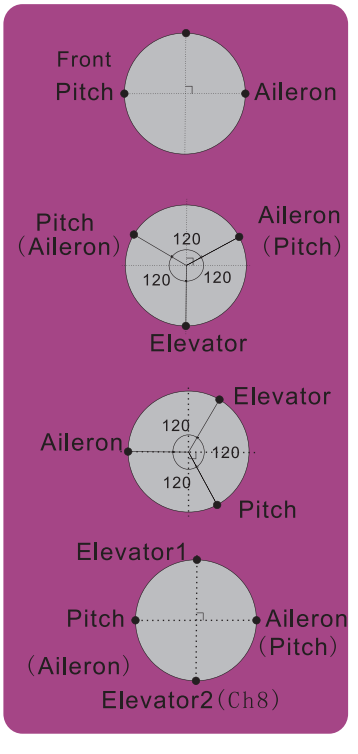
HELI1:separate aileron,pitch and elevator servos linked to swash plate.Most kits are HELI1 type.

HELI2:Push rods positioned as shown.Elevator operates with a mechanical linkage.With Aileron inputs,the aileron and pitch servos title the swash plate left and right;with pitch inputs,the aileron and pitch servos raise the swash plate up and down.

HELI3-1:Push rods positioned as shown.With Aileron inputs,the aileron and pitch servos title the swash plate left and right;with Elevator inputs,the three servos title the swash plate fore and after; with Pitch inputs,all three servos raise the swash plate up and down.

HELI3-2:Push rods positioned as shown.With Aileron inputs,the three servos tiltle the swash plate left and right;with Elevator inputs,the elevator and pitch servos tiltle the swash plate fore and after;with Pitch inputs,all three servos raise the swash plate up and down.

HELI4:Push rods positioned as shown.With Aileron inputs,the aileron and pitch servos tiltle the swash plate left and right;with Elevator inputs,the servos tiltle the swash plate fore and after;with Pitch inputs,all four servos raise the swash plate up and down.



7.4 Modulation Selection

SYSTEM SETTING

STEPS:

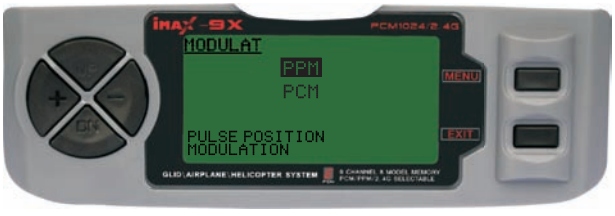
At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

Press UP/DOWN key select the SYSTEM SETTING menus,and press MENU key for short into next sub menu.

Press UP/DOWN key to select the MODEULAT menu,and press MENU key for short into next sub menu.

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

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.



Modulation select:
sets the type of modulation transmitted

Press the UP or DOWN key to select the MODULAT screen.
Press the MENU key to save and return last menu.
Press the EXIT key not to keep and return last menu.

PPM: Pulse Position Modulation
PCM: Pulse Code Modulation

7.5 Stick mode Selections

SYSTEM SETTING

STEPS:

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

Press UP/DOWN key select the SYSTEM SETTING menus, and press MENU key for short into next sub menu.

Press UP/DOWN key to select the STICK menu,and press MENU key for short into next sub menu.

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

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.

Stick mode selections:
To change the Stick Mode.

MODEL1	
Right Stick	UP and DOWN move is Throttle Control Right and left move is Aileron Control
LeftStick	UP and DOWN move is Elevator Control Right and left move is Rudder Control
MODEL2	
Right Stick	UP and DOWN move is Elevator Control Right and left move is Aileron Control
LeftStick	UP and DOWN move is Throttle Control Right and left move is Rudder Control
MODEL3	
Right Stick	UP and DOWN move is Throttle Control Right and left move is Rudder Control
LeftStick	UP and DOWN move is Elevator Control Right and left move is Aileron Control
MODEL4	
Right Stick	UP and DOWN move is Throttle Control Right and left move is Rudder Control
LeftStick	UP and DOWN move is Elevator Control Right and left move is Aileron Control

Press the UP or DOWN key to select the STICK screen.
Press the MENU key to save and return last menu.
Press the EXIT key not to keep and return last menu.

7. 6 MODEL COPY

SYSTEM SETTING

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

Press UP/DOWN key select the SYSTEM SETTING menus,and press MENU key for short into next sub menu.

Press UP/DOWN key to select the COPY menu, and press MENU key for short into next sub menu.

Press UP/DOWN key choose to duplicate the source or duplicate the destination.

Press "-"or"+" key choose to duplicate the source or duplicate concrete users of left and right sides of the destination.

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.

MODEL COPY:

Copies the current model data into another model memory.The name of the model memory you are copying into is displayed for clarity.

Use the UP/DOWN keys to switch between the left-hand column (source) and right hand column (destination) for the copy.
In each column, use the +/- keys to select the correct source model and the destination memory to which it is to be copied.

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

NOTE:
The source can be set to: any individual model memory, ALL models or it can be used to set the destination(s) to the required type (Acro, Heli, Glid).

The destination can be set to any individual model memory or or the source can be copied to all memories.

7. 7 LCD Adjust

SYSTEM SETTING

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

Press UP/DOWN key select the SYSTEM SETTING menus,and press MENU key for short into next sub menu.

Press UP/DOWN key to select the ADJ CONTRAST menu,and press MENU key for short into next sub menu.

Press "−"or"+"key select to change the LCD 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.

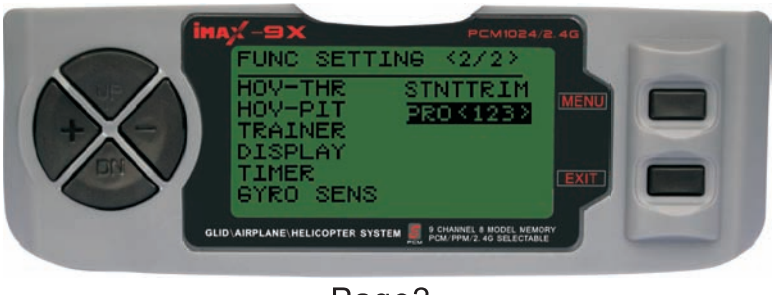
LCD ADJ CONTRAST:

The LCD adjust contrast control can be used to make the screen more readable in differing light conditions.

Use the DOWN key to scroll past the COPY option and cause the ADJ CONTRAST selection to be displayed.
Press MENU to select it
Use the +/- keys to change the contrast value.
Press MENU key to save and return.
Press EXIT key to cancel and return.

8 FUNCTION SETTING(HELICOPTER)

Page1



Page2

8. 1 REVERSE

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 not to keep and return last menu

AIL: Aileron
ELE: Elevator
THR: Throttle
RUD: Rudder
GEA: Retractable landing Gear
PIT: Pitch(ch6)
AUX1: Auxiliary1
AUX2: Auxiliary2

8. 2 THRO CURVE HELICOPTER

STEPS:

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

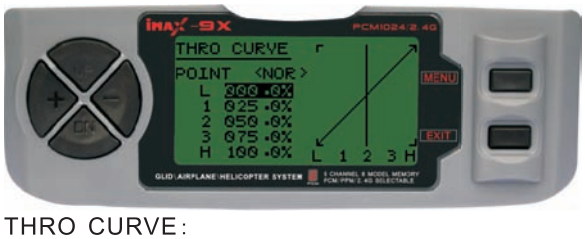
Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next sub menu.

Press UP/DOWN key to select the THRO CURVE menu,and press MENU key for short into next sub menu.

Press UP/DOWN key to choose the THRO CURVE screen.

Press "+"or"-" key to adjust the throttle value of the selected throttle position.

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.



THRO CURVE:

The iMAX offers three separate throttle curves with five adjustable points per curve.This function allows you to adjust the throttle curve to optimize engine rpm at a particular pitch setting.Once the throttle curves are established,each can be activated in flight using the 3-position flight mode switch. The flght mode switch offers three selectable curves:Normal, IDE1,IDE2.

Press the UP or DOWN key to select the THRO CURVE screen.

Press "+"or"-" key to adjust the throttle value of the selected throttle position .

Press the MENU key to save and return last menu.

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

8. 3 PITCH CURVE HELICOPTER

STEPS:

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

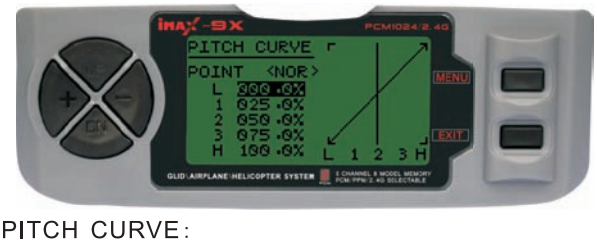
Press UP/DOWN key choose the systematic function toestablish menus,press MENU key for short and enter the next page to establish.

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

Press UP/DOWN key to choose the PITCH CURVE screen.

Press "+"or"-" key to adjust the throttle value of the selected throttle position .

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.



PITCH CURVE:

The iMAX offers four independent pitch curves,each with up to five adjustable points.This function allocates a separate pitch curve setting during Normal,IDL1,IDL2 and Throttle hold modes.Once the pitch curves are adjusted,each can be activated in flight using the three-position flight mode and throttle hold switch.Each of the five points of the pitch curve are independently adjustable from 0-100%.These five points correspond to low,25%,50%,75% and high stick positions.

Press the UP or DOWN key to select the PITCH CURVE screen.

Press "+"or"-" key to adjust the throttle value of theselected Throttle position.

Press the MENU key to save and return last menu.

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

8. 4 SUB TRIM

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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

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 from -120% to +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 not to keep and return last menu.

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

8. 5 END POINT

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

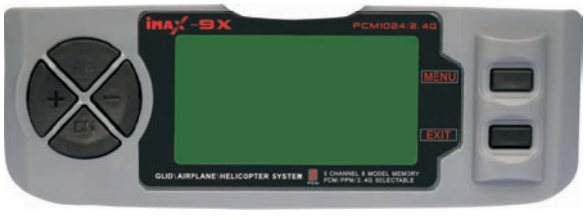
Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next sub menu.

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

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 seperately adjusts end of each individual servo's travel,rather than one setting for the servo that affects both directions.Ranges from -120%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 not to keep and return last menu

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

8. 6 THROTTLE HOLD

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu..

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

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

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 return to last menu.

THRO HOLD:

The Throttle hold function is used to practice auto rotation and is often use as a safety switch for electric helicopters,holding the throttle in the off position.When the throttle hold switch 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 DOWN key to select the THRO HOLD screen.
Press "+"or"-" key to select the state(INT or ACT) and change the throttle hold value.
Press the MENU key to save and return last menu.
Press the EXIT key not to keep and return last menu.

8. 7 AUX-CH

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 not to 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.

8. 8 SWASH MIX

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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

Press "+"or"-" key to change the selected swash plate mix 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.

SWASH MIX:

Swashplate function rate settings(SWASH MIX) reduce/increase/reverse the rate(travel)of the aileron,elevator(except heli2) and collective pitch functions,adjusting or reversing the motion of all servos involved in that function,only when using that function Since these types utilize multiple servos together to create the controls,simply adjusting a servos reverse or end point would not properly correct the travel of any one control.Since heli1 uses one servo for each function,there is no need for SWASH MIX in heli1.

Press the UP or DOWN key to select the SWASH MIX screen.
Press "+"or"-" key to change the selected swashplate mix value.
Press the MENU key to save and return last menu.
Press the EXIT key not to keep and return last menu

8. 9 D/R&EXP

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

Press UP/DOWN key choose D/R&EXP menu,press MENU key for short and enter the page to establish.

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 not to keep and return last menu

8. 10 TRIM

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 andd return last menu. Press EXIT key go not keep and return last menu.

TRIM:

The imax super has digital trims which are different from conventional mechanical trim solders.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 sub menu 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 not to keep and return last menu.

8. 11 REVO CURVE

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

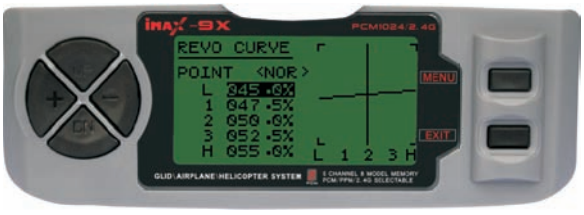
Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next sub menu.

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

Press UP/DOWN key to choose the REVO CURVE 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.



REVO CURVE:

This 5-point curve mix adds opposite rudder input to counteract the changes in torque when the speed and collective pitch of the blades is changed.

Press the UP or DOWN key to select the REVO CURVE screen.

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

Press the MENU key to save and return last menu.

Press the EXIT key not to keep and return last menu

Note:The REVO CURVE only used with non-heading hold GYRO helicopter.

8. 12 FAIL SAF

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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:

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

Use the UP/DOWN keys to select the FAIL SAF Screen and press MENU.
Use the UP/DOWN keys to select the required channel and the +/- keys to toggle between NOR to the preset position mode (indicated by a percentage figure) as required.

To set a preset position, move the relevant stick to the desired position and HOLD the MENU key until a beep is heard.

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

8. 13 HOV THR

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

Press UP/DOWN key to choose the HOV THR screen.

Press "+"or"-" key to change the select STATE(INH or ACT).

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.

HOV THR:

Hovering throttle are fine-tuning adjustments for the throttle curves individually,affecting performance only around the center point and only in the normal condition. The allow in-flight or ideal setup.

Press the UP or DOWN key to select the HOV THR screen.
Press "+"or"-" key to change the select STATE (INH or ACT).
Press the MENU key to save and return last menu.
Press the EXIT key not to keep and return last menu.

8. 14 HOV PITCH

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

Press UP/DOWN key to choose the HOV PIT screen.

Press "+"or"-" key to change the selected(INH or ACT).

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

HOVERING PITCH:

Hovering pitch are fine-tuning adjustments for the collective pitch curves individually,affecting performance only around the center point and only in the normal condition. They allow in-flight or ideal setup.

Press the UP or DOWN key to select the HOV PIT screen.

Press "+"or"-" key to change the selected (INH or ACT).

Press the MENU key to save and return last menu.

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

8. 15 TRAINER

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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,or 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 not to keep and return last menu.

8. 16 DISPLAY

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 of channels 1-8.

The servo sub menu includes two features:

Real-time 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.

8. 17 TIMER

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

Press UP/DOWN key to choose the TIMER screen.

Press "+"or"-" key to change the select CHANNEL (INT or ACT).

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

TIMER:

The timer is used to set an alarm that will sound after a specified delay. This can be used for any purpose but a common one is to remind you that your fuel may be getting low after flying for for some time. The counter counts down to zero from the number of minutes and seconds you set it to with a maximum period of 99 minutes, 59 seconds.

START: Press TRN switch. STOP/PAUSE: Press TRN switch again

RESET TIMER: Hold down the EXIT key until the time displayed in the main screen is reset

STATE: INH disables the timer. ACT enables it.

Once the timer has counted down to less than one minute remaining, the buzzer will sound once per second.

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

Press "+" or "-" to choose INH or ACT

Press the MENU key to save and return last menu.

Press the EXIT key to cancel changes and return to the last menu.

8. 18 GYRO SENS

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

Press UP/DOWN key to choose the GYRO SENS screen.

Press "+"or"-" key to change the selected GYRO SENS 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.

GYRO SENS:

A gyroscope is a sensitive electronic unit that senses any uncommanded movement of the helicopter's tail. When movement is detected, it provides a corrective signal to automatically counter that movement.

Plug the gyro's sensitivity adjustment to channel 5 of the receiver.

Each gyro setting may be set from-100 to +100 gain.

INH: disable the function.
ACT: enable the function.

Press the UP or DOWN key to select the GYRO SENS screen.

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

Press the MENU key to save and return last menu.

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

8. 19 STNT TRIM

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

Use IP/DOWN keys to select STNT TRIM and press MENU key to activate.

Use UP/DOWN to select the value you wish to alter

Use the "+"or "-" keys to change the selected 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.

STNT TRIM:

This setting is used to preset alternate trim settings for the aileron, elevator cyclic controls and rudder (tail rotor). It is only operative when in ID1 and ID2.

INH: disable the function.
ACT: enable the function.

Press the UP or DOWN key to select the STNT TRIM screen.

Press "+"or"-" key to change the select AIL or ELE and RUD value.

Press the MENU key to save and return last menu.

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

8.20 PROG<123> HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

Press UP/DOWN key choose PROG<123> menu,press MENU key for short and enter the page to establish.

Press UP/DOWN key to choose the PROG<123> screen.

Press the MENU key to return to the previous menu.

Press EXIT key to return last menu.

PROG<123>:

In helicopter mode the iMAX 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-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 DOWN key to select the PROG<123> screen.

Press the MENU key into next sub menu.

Press the EXIT key to return last menu.

8.20.1 PRAGRAM MIXING1 HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

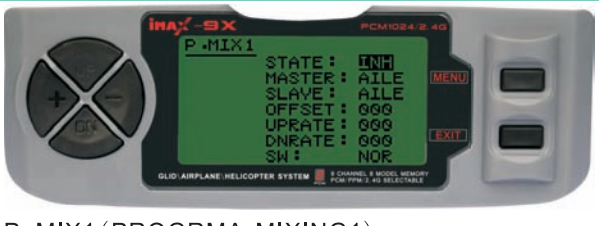
Use the UP/DOWN keys to select PROG<123> then press the MENU key to activate this selection.

Use the UP/DOWN keys to select the P.MIX1 menu then press the MENU key to activate.

Press UP/DOWN key to choose the P.MIX1 screen.

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

Press the MENU key to save changes and return to previous menu. Press the EXIT key to cancel changes and return to previous menu.



P. MIX1(PROGRMA MIXING1):

The purpose of this mix is to automatically compensate for any undesirable handling characteristics of the model. This can make the helicopter much easier to fly and require less work by the pilot.

INH: disable the function. ACT: enable the function.

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

SW: NOR/IDL1, IDL2, ON.

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

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

Press the MENU key to save and return last menu.

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

8.20.2 PROGRAM MIXING2

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

Use the UP/DOWN keys to select PROG<123> then press the MENU key to activate this selection.

Use the UP/DOWN keys to select the P.MIX2 menu then press the MENU key to activate

Use the UP/DOWN keys to select the values you wish to change.

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

Press the MENU key to save changes and return to previous menu. Press the EXIT key to cancel changes and return to previous menu.

P. MIX2(PROGRMA MIXING2):

The purpose of this mix is to automatically compensate for any undesirable handling characteristics of the model. This can make the helicopter much easier to fly and require less work by the pilot.

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 DOWN key to select the P. MIX2 screen.

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

Press the MENU key to save and return last menu

Press the EXIT key not to keep and return last menu

8.20.3 PROGRAM MIXING3

HELICOPTER

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

Use the UP/DOWN keys to select PROG<123> then press the MENU key to activate this selection.

Use the UP/DOWN keys to selected the P.MIX3 menu then press the MENU key to activate

Press UP/DOWN key to choose the P. MIX3 screen.

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

Press the MENU key to save changes and return to previous menu. Press the EXIT key to cancel changes and return to previous menu.

P. MIX3(PROGRMA MIXING3):

The purpose of this mix is to automatically compensate for any undesirable handling characteristics of the model. This can make the helicopter much easier to fly and require less work by the pilot.

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 DOWN key to select the P.MIX3 screen.

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

Press the MENU key to save and return last menu

Press the EXIT key not to keep and return last menu

9 FUNCTION SETTING(FOR AIRPLANE)

Page1

Page2

9. 1 REVERSE

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 not to keep and return last menu

AIL:	Aileron
ELE:	Elevator
THR:	Throttle
RUD:	Rudder
GEA:	Retractable landing Gear
PIT:	Pitch(CH6)
AUX1:	Auxiliary1
AUX2:	Auxiliary2

9. 2 TRAINER

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

Press UP/DOWN key select the TRAINER menus,and press MENU key for short into next sub menu.

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 beginnners 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 not to keep and return last menu.

9. 3 SUB TRIM

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

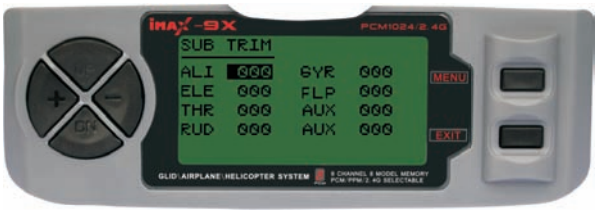
Press UP/DOWN key select the FUNC SETTING menus, and press MENU key for short into next sub menu.

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

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 -120%to+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 not to keep and return last menu.

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

9.4 END POINT

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 not to 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. 5 FLAPERON

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 fuction.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 not to keep and return last menu.

9. 6 D/R&EXP

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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.

9. 7 TRIM

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 iMAX super has digital trims which are different from conventional mechanical trim solders.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 sub menu 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.

9. 8 IDLEDOWN

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

Press UP/DOWN key select the IDLEDOWN menus,and press MENU key for short into next sub menu.

Press UP/DOWN key to choose the IDLEDOWN 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.

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 DOWN key to select the IDLEDOWN screen.

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

Press the MENU key to save and return last menu.

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

9. 9 FAIL SAF

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 Safe(F/S):

Allows controls to be pre-set to safe positions in the event of interference, lost signal or low receiver battery (note: only available when using PCM modulation).

Press the UP or DOWN key to select the FAIL SAF screen.

Press +/- to select NOR (last position hold) and a preset value for each channel. To establish a preset value, select F/S (an existing value will be displayed) and move the relevant stick to the required position and hold down the MENU button until a beep is heard. The new value will then be displayed.

Press the MENU key to save and return last menu.

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

9. 10 TIMER

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 go not keep and return last menu.

TIMER:

The timer is used to set an alarm that will sound after a specified delay. This can be used for any purpose but a common one is to remind you that your fuel may be getting low after flying for for some time. The counter counts down to zero from the number of minutes and seconds you set it to with a maximum period of 99 minutes, 59 seconds.

START: Press TRN switch. STOP/PAUSE: Press TRN switch again
STATE: INH disables the timer. ACT ennables it.
STANTE: INH forbids this function, ACT lauches the function.

Once the timer has counted down to less than one minute remaining, the buzzer will sound once per second.

Press "+" or "-" to choose INH or ACT

Press the MENU key to save and return last menu.

Press the EXIT key to cancel changes and return to the last menu.

9. 11 DISPLAY

AIRPLANE

STEPS:

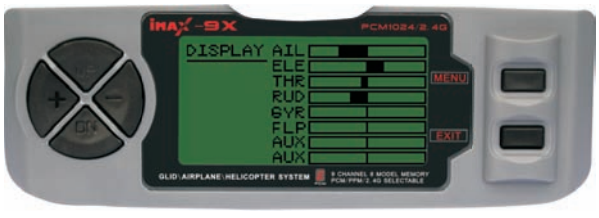
At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 sub menu includes two features:

Real-time 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.

9. 12 FLAPTRIM

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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-TRMassigns the primary flaperon control[defaults to:] 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 3position 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 not to keep and return last menu.

9. 13 AILDIFF

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

Press the UP or DOWN key to select the AILDIFF 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.

AIL-DIFF:

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 CH1and 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 cancelling an alarm display(GLID only).

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

9. 14 AIRBRAKE

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

Press UP/DOWN key to choose the AIRBRAKE 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.

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 simultaneously 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 "+"or"-" key to change the select AIRBRAKE value.

Press the MENU key to save and return last menu .

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

9. 15 ELEFLAP

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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.

ELEV-FLAP :

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.

9. 16 V-TAIL

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 separately on each surface.

NOTE:If V-TAIL is active you can not 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 not to keep and return last menu.

9. 17 ELEVON

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 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 separately . 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

Separately adjustable aileron travel allows aileron differential.

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

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

9. 18 SNAP-ROLL

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

Press UP/DOWN key to choose the SNOPROLL 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.

SNAPROLL:

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 3 channels 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+100 on 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,down/left)Each snap is fully adjustable regarding travels and direction on each of the 3 channels.

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

9. 19 THROTTLE-NEEDLE MIXING AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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.

THROTTLE-NEEDLE

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 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.

9.20 P.MIX1-5

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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 sub menu.

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.

P. MIX1-5:

The purpose of this mix is to automatically compensate for any undesirable handling characteristics of the model. This can make the helicopter much easier to fly and require less work by the pilot.

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 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 P. MIX6-7

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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 sub menu.

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.

P. MIX6-7:

The purpose of this mix is to automatically compensate for any undesirable handling characteristics of the model. This can make the helicopter much easier to fly and require less work by the pilot.

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 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. 22 AIL VATOR

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

Press the UP or DOWN key to select the VILVATOL 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.

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 stunt flying or more realistic jet flying(optional).
- Redundancy , for example in case of a servo failure or mid-air collision.

Press the UP or DOWN key to select the VILVATOL 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. 23 THROTTLE DELAY

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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.

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 not to keep and return last menu.

9. 24 AUX-CH

AIRPLANE

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 not to 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:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 not to keep and return last menu.

AIL:	Aileron
ELE:	Elevator
THR:	Throttle
RUD:	Rudder
GEA:	Retractable landing Gear
FLAP:	FLAP(CH6)
AUX1:	Auxiliary1
AUX2:	Auxiliary2

10. 2 SUB TRIM

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 -120% to +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. 3 END POINT

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 separately adjusts each end of each individual servo's travel,rather than one setting for the servo that affects both directions.Ranges from0% 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.

10.4 D/R&EXP

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 not to keep and return lastmenu.

10.5 TRIM

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 iMAX super has digital trims which are different from conventional mechanical trim solders.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 sub menu 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 not to keep and return last menu.

10.6 FAIL SAF

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 SAFE:

Allows controls to be pre-set to safe positions in the event of interference, lost signal or low receiver battery (note: only available when using PCM modulation).

Press the UP or DOWN key to select the FAIL SAFE screen.

Press +/- to select NOR (last position hold) and a preset value for each channel. To establish a preset value, select F/S (an existing value will be displayed) and move the relevant stick to the required position and hold down the MENU button until a beep is heard. The new value will then be displayed.

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

10.7 TIMER

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 go not keep and return last menu.

TIMER:

The count-down timer can be configured to sound an alarm after a predeterimined period of time has elapsed. The timer can be easily started, paused and reset to its original value

START: Press TRN switch. STOP/PAUSE: Press TRN switch again

RESE T TIMER: Hold down the EXI T key until the time displayed in the main screen is reset

STATE: INH disables the timer. ACT ennables it.

Once the timer has counted down to less than one minute remaining, the buzzer will sound once per second.

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 not to keep and return last menu.

10. 8 FLAPTRIM

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

Press UP/DOWN key select the FLAPTRIMMenus,and press MENU key for short into next sub menu.

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 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 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 not to keep and return last menu.

10. 9 AIL-DIFF

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

Press the UP or DOWN key to select the AILDIFF 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.

AIL-DIFF:

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

10. 10 ELE-FLAP

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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.

ELE-FLAP:

ELE-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 ELE-FLAP screen.

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

Press the MENU key to return last menu.

Press the EXIT key to return last menu.

10. 11 V-TAIL

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 can not 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 not to keep and return last menu.

10.11.1 P. MIX1-5

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

Press UP/DOWN key select the FUNC SETTI NG menus, and press MENU key for short into next sub menu.

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 sub menu.

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.

P. MIX1-5:

The purpose of this mix is to automatically compensate for any undesirable handling characteristics of the model. This can make the helicopter much easier to fly and require less work by the pilot.

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 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 not to keep and return last menu.

10.12 P. MIX6-7

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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 sub menu.

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.

P. MIX6-7:

The purpose of this mix is to automatically compensate for any undesirable handling characteristics of the model. This can make the helicopter much easier to fly and require less work by the pilot.

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 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 not to keep and return last menu

10.13 BUTTERFLY(crow) MIXING

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

Press UP/DOWN key select the BUTTERFLY menus, and press MENU key for short into next sub menu.

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(offten call "crow"):

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 not to keep and return last menu

10. 14 START OFS(GLID1FLAP/GLID2FLAP ONLY)

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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.

START OFS:

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 droped about 20-30,with the flaps droped 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 not to keep and return last menu

10. 15 SPEED OFS(GLID1FLAP/GLID2FLAP ONLY)

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

Press UP/DOWN key select the SPEE DOFS menus, and press MENU key or short into next sub menu.

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.

SPEED OFS:

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%.(some airfoils,notably the RG-15,have higher drag with reflex,so this function should not be used.)

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 not to keep and return last menu.

10. 16 DISPLAY

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 sub menu includes two features:

Real-time 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. 17 TRANIER

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu..

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

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 beginners 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 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 not to keep and return last menu.

10. 18 FLAPERON

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 fuction.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 not to keep and return last menu.

10. 19 ELEVON

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 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 separately ,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
Separately adjustable aileron travel allows aileron differential.
Separately adjustable elevator travel allows for differential in up vs down travel.

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

10.20 AUX-CH

GLID

STEPS:

At the normal display screen, hold the MENU key down until a beep is heard. This will call up the first menu.

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

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

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 not to 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.