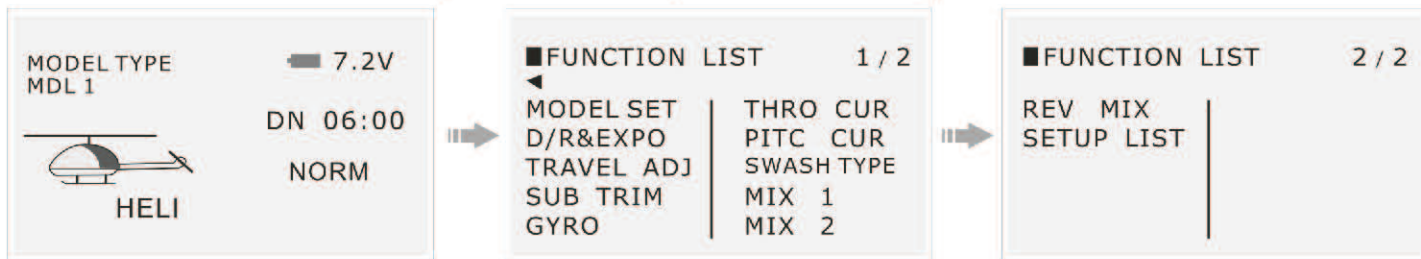


Helicopter Mode:

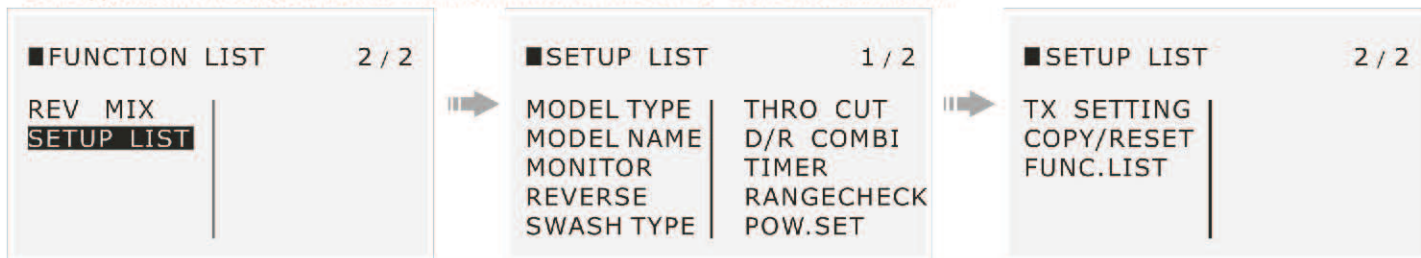
The i6S organizes the programming screens in two separate categories: FUNCTION LIST and SET UP LIST. The FUNCTION LIST contains programming that is generally used when initially setting up a model, and seldom used at the field. SET UP LIST functions includes Model Type, Model Name, Wing Type, (Swashplate Type for Helis) Model Reset, etc. Note: No radio transmission occurs when a System Setup screen is displayed to prevent accidental servo operation. This protects linkages/servo gears from damage when making programming changes.

FUNCTION LIST and SET UP LIST in Airplane and Heli Model type includes the following screens:



Helicopter SETUP LIST:

Rotating the ROLLER to the SET UP LIST from FUNCTION LIST, then press the ROLLOER to select the SET UP LIST. When SET UP LIST appears on the screen, release the roller. And all of the SET UP LIST shows as below.



HELICOPTER FUNCTION LIST

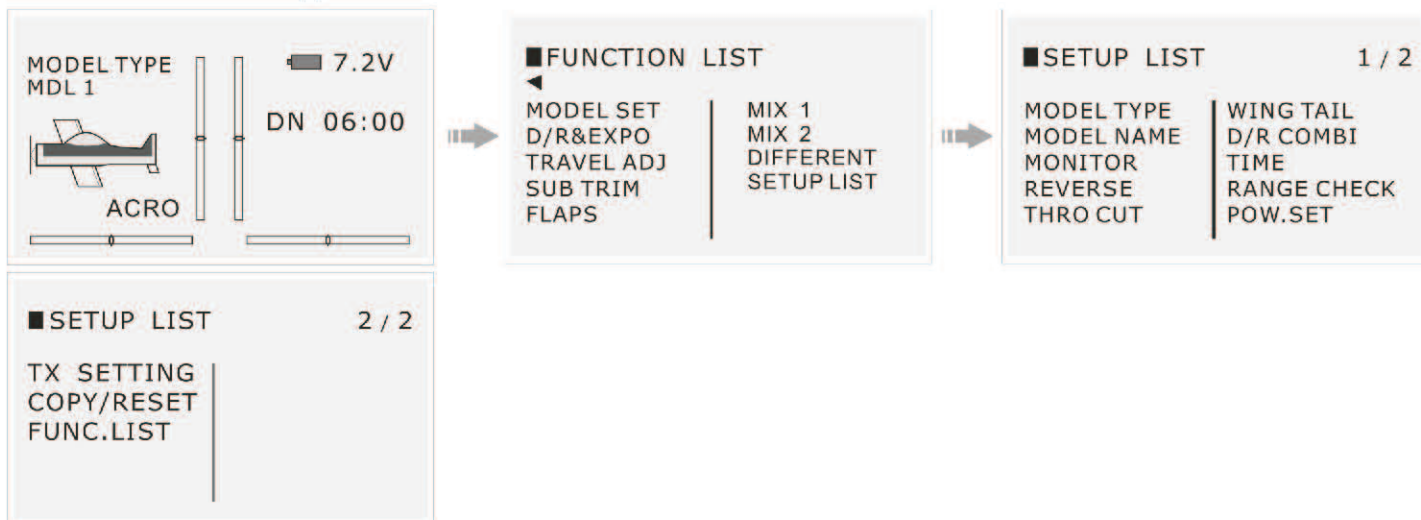
- | | |
|--------------|---------------|
| 1.MODEL SET | 7.PITC CUR |
| 2.D/R & EXPO | 8.SWASH MIX |
| 3.TRAVEL ADJ | 9.MIX 1 |
| 4.SUB TRM | 10. MIX 2 |
| 5.GYRO | 11. REV MIX |
| 6.THRO CUR | 12.SETUP LIST |

HELICOPTER SETUP LIST

- | | | |
|----------------|-----------------|--------------|
| 13. MODEL TYPE | 19. D/R COMBI | 25.FUNC.LIST |
| 14. MODEL NAME | 20. TIME | |
| 15. MONITOR | 21. RANGE CHECK | |
| 16. REVERSE | 22. POW. SET | |
| 17. SWASH TYPE | 23. TX SETTING | |
| 18. THRO CUT | 24. COPY/RESET | |

Airplane Mode:

Airplane SET UP LIST: Rotating the ROLLER to the SET UP LIST from FUNCTION LIST, then press the ROLLOER to select the SET UP LIST. When SET UP LIST appears on the screen, release the roller. And all of the SET UP LIST shows as below.



AIRPLANE FUNCTION LIST

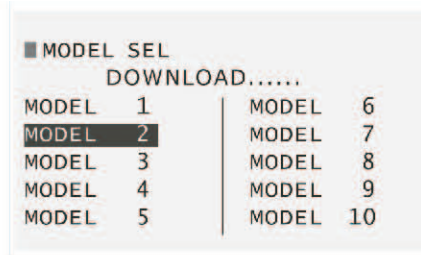
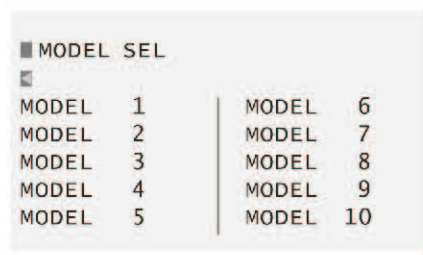
- | | |
|---------------|---------------|
| 26.MODEL SET | 32.MIX 2 |
| 27.D/R & EXPO | 33.DIFFERENT |
| 28.TRAVEL ADJ | 34.SETUP LIST |
| 29.SUB TRM | |
| 30.FLAPS | |
| 31.MIX 1 | |

Airplane SET UP LIST

- | | |
|----------------|-----------------|
| 35. MODEL TYPE | 41. D/R COMBI |
| 36. MODEL NAME | 42. TIME |
| 37. MONITOR | 43. RANGE CHECK |
| 38. REVERSE | 44. POW. SET |
| 39. THRO CUT | 45. TX SETTING |
| 40. WING TAIL | 46. COPY/RESET |
| | 47.FUNC.LIST |

To Access the FUNCTION LIST of HELICOPTER

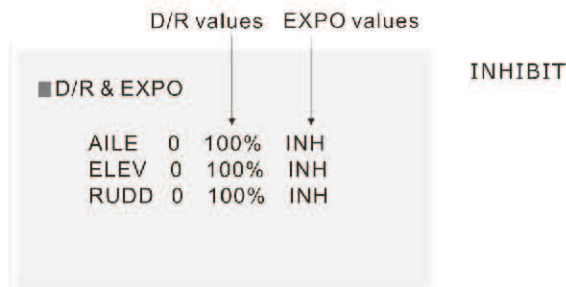
1.MODEL SET : to access the MODEL SELECT function through FUNCTION LIST.



" B B B "

In this screen, the establishing of models, for the model memories can be up 10 models for freely registered. Press and hold the roller while turning on the transmitter. When FUNCTION LIST appears on screen, release the roller. Then rotate the ROLLER to Highlight Model Select, and then press the roller to access the function shows as above pictures. Rotate the roller to highlight the desired model then press to select. Then "download....." showing on the Screen for seconds, while three "B B B" sounds, it means set up successful, and returns to the previous Screen. The model name will display on the main screen.

2.D/R & EXPO: D/R & EXPONENTIAL



Dual Rates and exponentials are available on the aileron, elevator and rudder channels. You can assign them to numerous switches including the light mode switch.

Dual Rate:

Affects the overall travel which in turn affects control response sensitivity equally throughout the range of that channel. Reducing the dual rate reduces the maximum control rate as well as overall sensitivity.

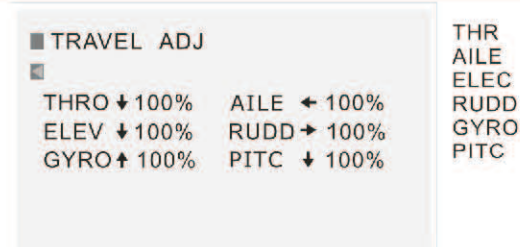
Exponential:

Affects the sensitivity around center but has no affect on the overall travel. Positive Exponential reduces control sensitivity around neutral for more precise control but does not affect the maximum control response.

Note:

Positive and negative exponential values are available. A positive expo value reduces control sensitivity around center. It does not affect maximum travel and is recommended. Negative exponential values increase sensitivity around neutral and is seldom used.

3.TRAVEL ADJ: TRAVELADJUST

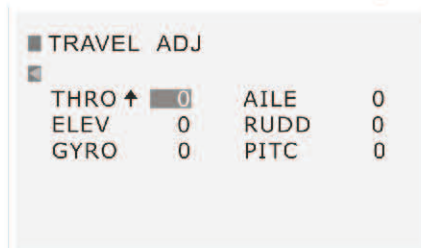
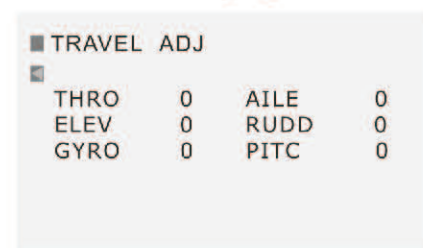


This function allows adjustment of the servo left-right (and up-down) control surface angles for each channel separately. The angle adjustment is carried out referenced to the neutral position. Adjustment is possible over an adjusting range between 0 and 125% for each of left-right (up-down) directions. The standard value is 100%, and this is the normal control surface angle.

4.SUB TRM: To access the SUB TRIM FUNCTION

Press and hold the roller while turning on the transmitter. When FUNCTION LIST appears on the screen, release the roller. The i6S is now in FUNCTION Setup Mode.

Rotate the roller to highlight SUB TRM then press to access the function. The following screen appears:



Highlight the desired Trim value then press the roller to access. Rotate the roller to change to the desired trim value. Press to accept. Repeat to adjust all trim steps.

The Sub-Trim function supports electronic adjustment for each of 6 channels, with a range of + or - 100%.

Note: Use only small Sub-Trim values so a servo's maximum travel is not overdrive.

5.GYRO

■ GYRO

■ ☐ RATE

SW-F.MODE

0 : 60.0%

1 : 50.0%

Switch options (INH, GYRO or F. MODEL), F. MODEL opens option to make the switch position the same or opposite for 0=NORMAL and 1=STUNT

■ GYRO

■ ☐ RATE

SW-GYRO

0 : 60.0%

1 : 50.0%

Option Switch Option Value (0-100%)

■ GYRO

■ ☐ RATE

SW-INH

0 : 60.0%

1 : 50.0%

Options (INH or ACT). Choosing ACT opens adjustable values.

Gyro function supports setting gain for gyros that have remote gain ability, generally on a given switch, or can be tied in with flight modes to allow further flexibility. This function is not useful on some helicopters, because it does not allow "stick priority" mix for stick override of the gyro function. A curve or multi-point mix may allow greater flexibility for some models. Refer to your model's manual for recommend gyro settings.

6.THRO CUR

The Thro Cur function supports setting values for 5 positions in the throttle response curve of 3 different modes: NORM(Normal), STUNT and HOLD.

Important: In TH. HOLD, throttle curve is a flat line representing a hold condition. You can adjust this at the 5 positions (L, 2, 3, 4 and H). The throttle trim switch is only active when the flight mode switch is in the NORM (0) position. Throttle trim increases or decreases engine/motor revolutions per minute (rpm) to achieve a reliable idle in NORM. The throttle trim switch has no effect in F MODE 1 (Stunt) or in TH. HOLD 1 (active).

NORMA/STU : F-MODE GEAR

HOLD : TH HOLD MIX

THRO CUR (NORM)

■ THRO CUR

■ ☐ NORM ☐ STU ☐ HOLD

L	0.0	100	0.0
2	25.0	90.0	
3	50.0	80.0	
4	75.0	90.0	
H	100	100	

(%)

NORM: each value set up in the Normal flight mode. The value range: 0~100.

THRO CUR (STU)

■ THRO CUR

■ ☐ NORM ☐ STU ☐ HOLD

L	0.0	100	0.0
2	25.0	90.0	
3	50.0	80.0	
4	75.0	90.0	
H	100	100	

(%)

STU: each value set up in the STUNT flight mode. The value range: 0~100.

THRO CUR(HOLD)

■ THRO CUR

■ ☐ NORM ☐ STU ☐ HOLD

L	0.0	100	0.0
2	25.0	90.0	
3	50.0	80.0	
4	75.0	90.0	
H	100	100	

(%)

HOLD: in TH. HOLD curve, the value range: -10~100.

7.PITC CUR

The Pitc Cur function supports setting values for 5 positions in the pitch response curve of 3 different modes: NORM (Normal), STUNT and TH. HOLD. Understanding throttle curve makes pitch curve adjustment easier to understand. Refer to your model's manual for recommended settings.

NOTE: please set up the TH.HOLD function first Before set up the HOLD curve value.

PITC CUR (NORM)

■ PITC CUR

■ ☐ NORM ☐ STU ☐ HOLD

L	0.0	0.0	0.0
2	25.0	25.0	25.0
3	50.0	50.0	50.0
4	75.0	75.0	75.0
H	100	100	100

(%)

NORMA: each value set up in the Normal flight mode. The value range: 0 - 100%.

PITC CUR (STU)

■ PITC CUR

■ ☐ NORM ☐ STU ☐ HOLD

L	0.0	0.0	0.0
2	25.0	25.0	25.0
3	50.0	50.0	50.0
4	75.0	75.0	75.0
H	100	100	100

(%)

STU: each value set up in the STUNT flight mode. The value range: 0 - 100%

PITC CUR (HOLD)

■ PITC CUR

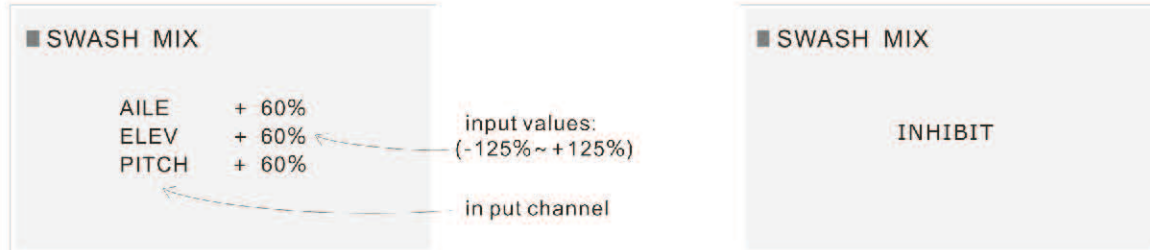
■ ☐ NORM ☐ STU ☐ HOLD

L	0.0	0.0	0.0
2	25.0	25.0	25.0
3	50.0	50.0	50.0
4	75.0	75.0	75.0
H	100	100	100

(%)

HOLD: in TH. HOLD curve, the value range: 0 - 100%

8. SWASH MIX



The Pitc Cur function supports setting values for 5 positions in the pitch response curve of 3 different modes: NORM (Normal), STUNT and TH. HOLD. Understanding throttle curve makes pitch curve adjustment easier to understand. Refer to your model's manual for recommended settings.

This swash mixing is for easily carrying out swash plate movement setting for helicopters that incorporate CCPM systems.

1. First, it will be necessary to set all of the settings to their standard conditions. Further, the aileron and elevator trim and the hovering pitch trim should be set to neutral.
2. After selecting the desired SWASH TYPE, determine each of the servo movement directions using the reverse switches so that the pitch movements are normal.
3. After adjusting the SUB Trims so that each of the servo horns makes a right angle with the linkage when all of the servos have been set to neutral position, set the linkages so that the swash plate is horizontal.
4. Carry out the pitch operation(throttle operation), and then carry out the fine adjustment of each of the movement amounts by implementing left and right control surface angle adjustment with the intention of compensation for the variation in each of the servo control surface angles in order to make the swash plate move horizontally.
5. Carry out aileron or elevator operation. In the situation where the movement is in the opposite direction, the corresponding mixing amount should be set in the minus direction in the swash mixing.
6. The necessary movement amounts corresponding to each stick movement should be adjust using this mixing amount. Although the variable range $\pm 125\%$, if the amount is too large the servo maximum control surface angle will be exceeded. Accordingly, if the movement amount is insufficient, adjust is using the servo horn hole position.

9. MIX 1

Mix 1 and 2 functions mix percentages between 2 channels, or a channel with itself (THROTTLE cannot be mixed with itself or as a slave).

You can program mixes so that stick or switch inputs control 2 or more servos.

The first channel is the master channel; the second is the slave channel. You can adjust directional mix values (U, D, L and R) between 125% to +125%.

The mix can either be enabled (ON) all times or assigned to a switch, enabling and disabling the mix as needed while operating a model. You can also link trim so that adjusting master channel trim will also adjust slave channel trim.

When a mix is enabled and the assigned input control is moved, the master channel sends output at the same time the slave channel sends output.

Output is sent to the model in the direction and to the position assigned in the Mix screen. Output sent to model will match assignments in Mix screen.

Mix Options

Aileron to Rudder: Causes rudder to move when ailerons move. This helps with airplanes that have adverse movement of the nose around the center axis (yaw) (right aileron results in left nose movement (yaw)). When programming aileron to rudder mix in the same direction, the airplane makes coordinated turns using ailerons only.

Elevator to Flap: Causes flaps (or flaperons) to move when elevator is moved, resulting in tighter looping maneuvers.

or to provide aileron reflex for some 3D maneuvers such as Harriers.

Dual Elevators: Requires Gear to Gear Mix of -100% to -100% to inhibit (INH) Gear Channel Switch, then Elevator to Gear Mix of +100% to +100% to activate the Gear channel to work as a slave to the elevator channel. This makes dual elevator setups possible.

Rudder to Aileron or Elevator: Eliminates roll and pitch coupling (roll and pitch happening at the same time) when rudder is applied.

This is normally used to correct coupling in knife-edge flight.



10. REV MIX

The revolution mixing in this transmitter is based on the hovering points(output values from the stick center position on the pitch curve), and it is possible to set separate mixing amounts in each of UP and Down direction, in addition, because these transmitter settings use the Flight Mode NORM and STUNT. Move the F MODE switch to active a flight mode.

■ REVO MIX

NORM		STUNT	
UP	0%	UP	0%
DN	0%	DN	0%

Note: in the situation where a tail lock (head lock) gyro is being used, set it to not be used(Make all settings 0%).

Corresponding mixing amount (L125% to 0 to R125%)

In normal flying, values of around 5% should be preset in both the UP and DOWN directions, and fine adjustment should be carried out in actual flight. During overflying in STUNT flight, it can be expected that the mixing amounts should be around half those in normal flying. In addition, in situations where more advanced revolution mixing is required, program mixing should be utilized.

11. SETUP LIST

SET UP LIST: Rotating the ROLLER to the SET UP LIST from FUNCTION LIST, then press the ROLLOER to select the SET UP LIST. When SET UP LIST appears on the screen, release the roller. And all of the SET UP LIST shows as below.

■ FUNCTION LIST 2 / 2

REV MIX
SETUP LIST



■ SETUP LIST 1 / 2

MODEL TYPE	THRO CUT
MODEL NAME	D/R COMBI
MONITOR	TIMER
REVERSE	RANGE CHECK
SWASH TYPE	POW.SET