

MkronRC HOBBY

DIGITAL PROPORTIONAL RADIO CONTROL SYSTEM

2.4GHz

T-i6

6 CHANNEL TRANSMITTER

- Full range 2.4GHz DSSS-X 6-channel radio
- 10-model memory
- ModelMatch
- ServoSync
- Roller/selector user interface
- Attractive and ergonomic design
- Rudder dual-rate
- Large LCD display
- Integrated timer
- Contrast Adjustment
- Dual-speed trim scroll
- Model name and type
- Throttle cut
- Trainer Mode
- Model Copy
- Trainer Mode
- Travel adjustment
- Sub-trim
- Servo monitor
- Dual rate and exponential
- Compatible with any existing DSSS-X receiver
- Airplane Programming Features: Flaps, P-mixes, Dual aileron, V-tail, Delta, Differential
- Heli Programming Features: Gyro adjust, Graphic throttle curve, Graphic pitch curve, P-mixes, Revo mix
- Swash type (Normal, and CCPM 120)
- Adjustable stick length
- Direct trim access display



Prior to use, please read this manual thoroughly.
Keep this manual in a convenient place for quick and easy reference.

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Introduction

Thank you for choosing to purchase this Orange RX products. T-i6 is a highly function product with outstanding operability that concentrates the essence of the technology built up by this company through long experience, this product designed with a newly developed 2.4Ghz spread spectrum technology, automatical binding, high-speed response, and full range control. In order to make full use of these features and safely enjoy your RC activities, please carefully read this operation manual. Our whole company hopes that you will enjoy using this products for many years.

Warning

1. This product is not a toy, it is not suitable for player who under 14 years old.
2. Always choose and keep the safety flight place which your local law allowed. Because the radio signal subject to interference from many sources outside your control. Interference can cause momentary loss of control.
3. Please understanding that this company and seller assume no liability for the operation or use this products. Intended for use only by adults with experience flying remote control helicopters at a legal flying field. After the sell of this products, we cannot maintain any control over its operation or usage.
4. Any accident or failure that may occur from the modification of this product, use non-genuine parts, nature disaster, and improperly operate are not covered by any warrantee and can not be returned for a repair or replacement, please contact our distributor for free technical consultation and parts at discounted rates when you experience problems during operation or maintenance.

General Safety Precautions and Warnings

1. Always operate your model in a open space away from full-size vehicles, traffic building wires and people. Always keep a safety distance in all directions around your model to avoid collisions or injury. This model is control by a radio signal subject to interference from many sources outside your control. Interference can cause momentary loss of control.
2. Always avoid water exposure to all equipment not specifically designed and protected for this purpose. Moisture causes damage to electronics. It is forbidden to use this product in raining or thunder and lightning weather.
3. Please use the replacement of parts on the manual to ensure the safety of instruction. This product is for RC model, so do not use for other purpose.
4. Operate this product within your ability, do not operate it under tired condition and improper operation may cause in dangers.
5. Always use the correct battery like 4 pieces 5# AA batteries, or 2 cell 7.4V li-poly battery. Please always use JST collect when use 7.4V Li-poly battery, and always connect the (+) and (-) in proper direction.

The Precautions Before Flight

1. Always make sure that all of the batteries with fully charged of radio and receiver.
2. Must ensure that the trimmer and the sticker of throttle are in the bottom position. And the function button at original position. Otherwise this product can not operate.
3. Always power on the transmitter at first, and lower the trimmer and sticker of throttle to bottom, than connect on the flight battery. It may cause the injury or damage to you or others if incorrect operation.
4. Always make sure that the direction of each servo operate with correct direction, and smoothly.

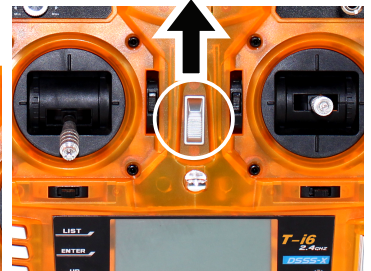
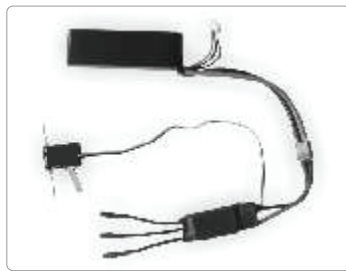
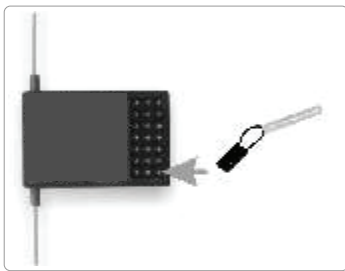
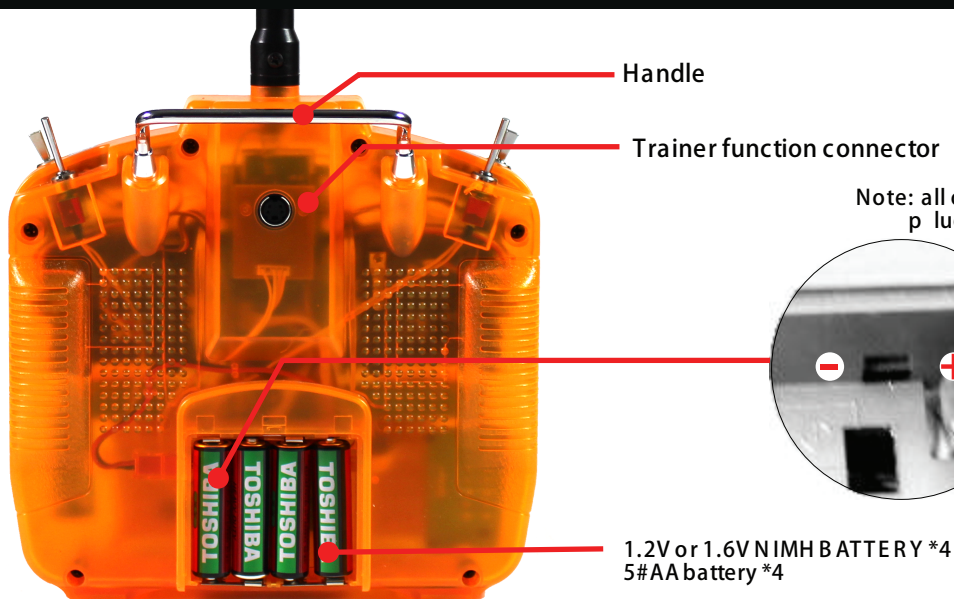
Transmitter (Mode 1)



Transmitter (Mode 2)

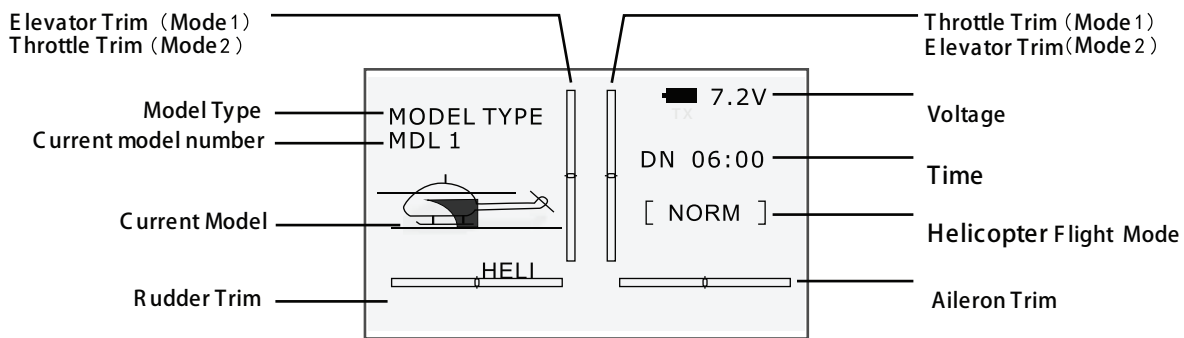


Transmitter



1. Inset the binding plug in the BATT on the receiver.
2. Connect the flight battery to the receiver, then the LED flashing quickly.
3. Move the throttle sticker to the LOW/OFF position. Then power on the radio.
4. It indicates that binding is success when the LED of receiver turn to light steady.
5. Always move off the Binding plug from receiver after bound.

Initial INFO S screen

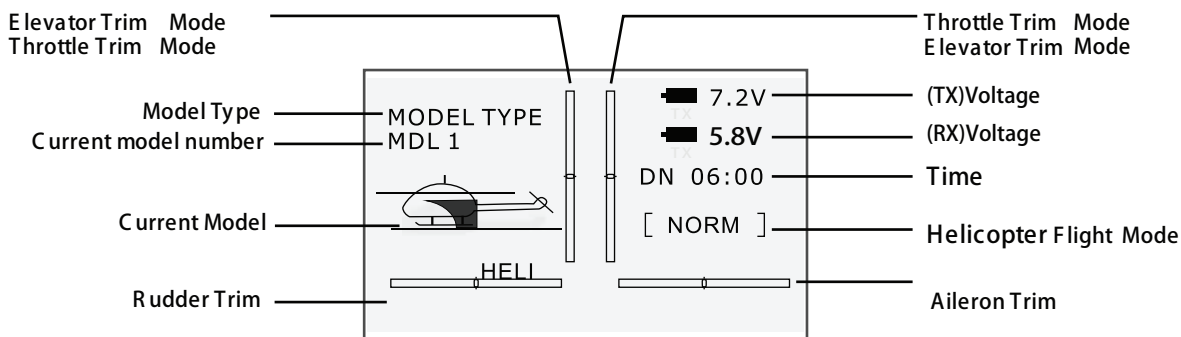


*This INFO S screen is displayed when the power switch is switched on. The screen has a two-page configuration, and rotating the ROLLER to right moves forward to the Function list screen, When you wish to return to the Initial INFO S screen from the Function list screen, rotating the ROLLER to the left returns to the Initial INFO S screen.

*The Function list screen allows display of the information from sensor attached to the receiver as well as Timer and Flight Model information, it is possible to select required function and display them. (Note: In each flight model)

- 1.Voltage: When the transmitter voltage drops below 4.4 volts, "Warning Low Battery" will flash and an alarm sound. If you are flying when this occurs, land immediately.
- 2.Timer: Timer function allows you to program a Count Down timer or Stop Watch (count up timer) to display on the main screen.
- 3.Model Type: Model Type programs the selected model memory to function in Helicopter or Airplane programming. You should program Model Type first when setting up a new model.
- 4.Trim step: The Trim Step function allows servo movement adjustment per click of trim.
- 5.Model display: you can see the model directly after your model type selected.

If the T-i6 organizes has the function of returned data.



*This INFO S screen is displayed when the power switch is switched on. The screen has a two-page configuration, and rotating the ROLLER to right moves forward to the Function list screen, When you wish to return to the Initial INFO S screen from the Function list screen rotating the ROLLER to the left returns to the Initial INFO S screen.

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Names and Functions of the Input Key

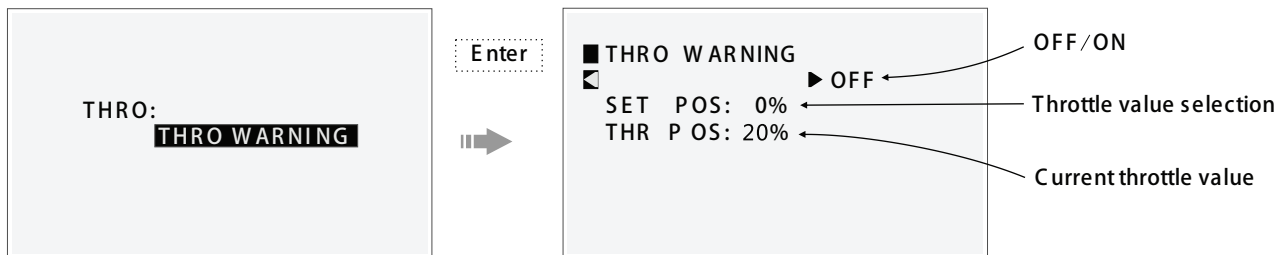


The T-i6 utilizes a roller that can be rotated or pressed and four buttons LIST, ENTER, UP and DOWN that are used to access and program all the functions.

1. LIST Key: when this key is pressed the screen changes to the Function Listing screen.
2. ENTER Key: if this key is pressed when the INFO screen is being displayed, the screen will change to the My list screen. This can be used for moving to each of the other functions.
3. UP Key: if this key is pressed the Select Light will move up to your desired menu or list.
4. DOWN Key: if this key is pressed the Select Light will move down to your desired menu or list.
5. ROLLER: Press the ROLLER to access screens or functions. Or Rotate the ROLLER to adjust values or to select options.
6. Select light: move the select light to ☒, then pressing ROLLER the screen will back to previous Menu.

Programmable Alarms

The T-i6 features programmable alarms that warn of a potential unsafe switch or stick position when the transmitter is turned on. In Acro mode programmable alarms include high throttle, gear and mid and land lap positions while in helicopter mode warnings include high throttle, S-tunt 1, S-tunt 2, and Hold. If any of these switches or throttle stick position is in an unsafe position when the transmitter is turned on, an alarm will sound, the screen will display the offending switch position and the transmitter will not transmit a signal. Moving the switch or stick to the desired position will clear the warning and normal operation will resume. The Warnings function programs an alarm to sound if specific switches or stick positions are in an unsafe position when the transmitter is first turned on. In helicopter model type default warnings include Throttle, S-tunt 1, S-tunt 2 and Hold. In airplane model type these warnings include Throttle Low, Flaps, Gear, Flight Mode 1 and Flight Mode 2. If you turn the transmitter on and any of these switches or the throttle is not at the low position, the alarm will sound; the screen will display the warning and no transmission will occur until the stick or switch is in the correct position.



F.MODE

----- F. MODE -----

T.HOLD

----- T. HOLD -----

F.MODE & T.HOLD

----- F. MODE -----

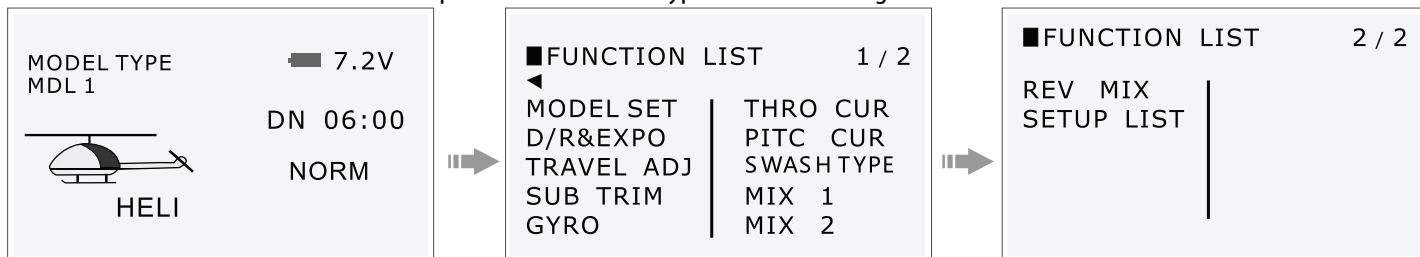
----- T. HOLD -----



whether the T-i6 organizes has the function of returned data or not, The T-i6 organizes the programming screens in two separate categories: FUNCTION LIST and SETUP LIST. The FUNCTION LIST contains programming that is generally used when initially setting up a model and seldom used at the field. SETUP LIST functions includes Model Type, Model Name, Monitor, REVERSE, T.H/T.C, (Wing Tail for airplane; Swash Type for Helicopter), Model Reset, Tx Setting and so on. 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.

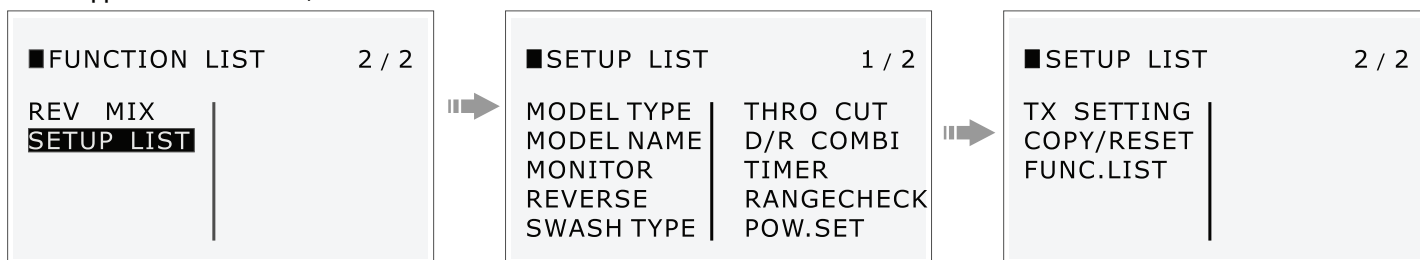
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FUNCTION LIST and SETUP LIST in Airplane and Heli Model type include following screens:



Helicopter SETUP LIST:

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



HELICOPTER FUNCTION LIST

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

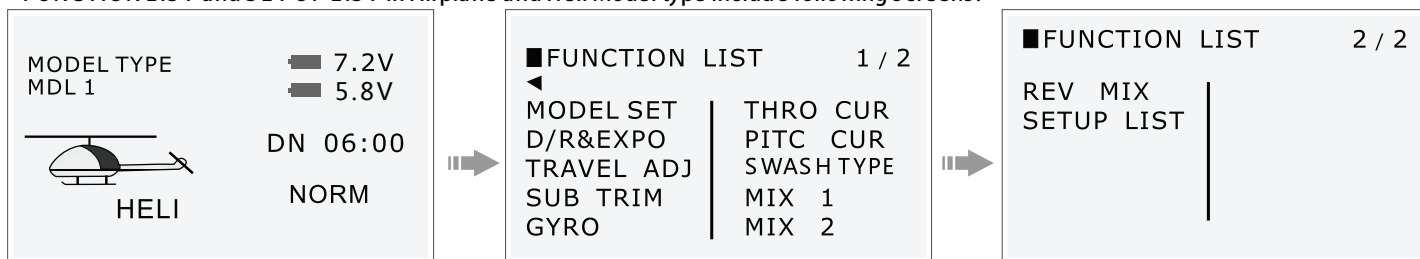
HELICOPTERS SETUP LIST

- | | | |
|----------------|-----------------|----------------|
| 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 | |

If the T-i6 organizes has the function of returned data, FUNCTION LIST and SETUP LIST in airplane and Heli Model type include the following screens.

The T-i6 organizes the programming screens in two separate categories: FUNCTION LIST and SETUP LIST. The FUNCTION LIST contains programming that is generally used when initially setting up a model, and seldom used at the field. SETUP LIST functions includes Model Type, Model Name, Wing Type, (Swashplate Type for Heli) 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 SETUP LIST in Airplane and Heli Model type include following screens:



If the T-i6 organizes has the function of returned data, FUNCTION LIST and SETUP LIST in airplane and Heli Model type include the following screens.

■FUNCTION LIST 2 / 2

REV MIX
SETUP LIST



■SETUP LIST 1 / 2

MODEL TYPE | T.H/T.C
 MODEL NAME | LANGUAGE
 MONITOR | TIMER
 REVERSE | RANGE CHECK
 SWASH TYPE | TRAN.SET



■SETUP LIST 2 / 2

TX SETTING
 RX SETTING
 COPY/RESET
 FUNC.LIST

HELICOPTER FUNCTION LIST

- | | |
|--------------|---------------|
| 1.MODEL SET | 7.PITC CUR |
| 2.D/R&E XPO | 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 |

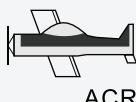
HELICOPTER SETUP LIST

- | | | |
|----------------|-----------------|----------------|
| 13. MODEL TYPE | 19. LANGUAGE | 25. COPY/RESET |
| 14. MODEL NAME | 20. TIME | 26.FUNC.LIST |
| 15. MONITOR | 21. RANGE CHECK | |
| 16. REVERSE | 22. TRAN.SET | |
| 17. SWASH TYPE | 23. TX SETTING | |
| 18. T.H/T.C | 24. RX SETTING | |

Airplane Mode

whether the T- i6 organizes has the function of retruned data or not,The T- i6 organizes the programming screens in two separate categories: FUNCTION LIST and SETUP LIST

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.

MODEL TYPE MDL 1  7.2V
 DN 06:00
 ACRO



■FUNCTION LIST

MODELS ET | MIX 1
 D/R&EXPO | MIX 2
 TRAVEL ADJ | DIFFERENT
 SUB TRIM | SETUP LIST
 FLAPS



■SETUP LIST 1 / 2

MODEL TYPE | WINGTA IL
 MODEL NAME | D/RC OMBI
 MONITOR | TIME
 REVERSE | RANGE CHECK
 THRO CUT | POW.SET

■SETUP LIST 2 / 2

TX SETTING
 COPY/RESET
 FUNC.LIST

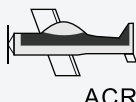
AIRPLANE FUNCTION LIST

- | | |
|---------------|---------------|
| 26.MODEL SET | 32.MIX 2 |
| 27.D/R&E XPO | 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 |

If the T- i6 organizes has the function of returned data, Airplane SET UP LIST Rotating the ROLLER to the SET UP LIST from FUNCTION LIST then press the ROLLOER to select the SET UPLIST When SET UP LIST appears on the screen release the roller And all of the SET UP LIST shows as below:

MODEL TYPE MDL 1  7.2V
 5.8V
 DN 06:00
 ACRO



■FUNCTION LIST

MODELS ET | MIX 1
 D/R&EXPO | MIX 2
 TRAVEL ADJ | DIFFERENT
 SUB TRIM | SETUP LIST
 FLAPS



■SETUP LIST 1 / 2

MODEL TYPE | WINGTA IL
 MODEL NAME | LANGUAGE
 MONITOR | TIME
 REVERSE | RANGE CHECK
 T.H/T.C | TRAN.SET

■SETUP LIST 2 / 2

TX SETTING
 RX SETTING
 COPY/RESET
 FUNC.LIST

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 T-i6 is now in FUNCTION Setup Mode.

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

■ SUB TRIM

THRO 0 AILE 0

ELEV 0 RUDD 0

GYRO 0 PITC 0

■ SUB TRIM

THRO ↑ 0 AILE 0

ELEV 0 RUDD 0

GYRO 0 PITC 0

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 : 50.0%

1 : 50.0%

■ GYRO

■ RATE

SW- GYRO

0 : 50.0%

1 : 50.0%

2 : 50.0%

↑ Option Switch

↑ Option Value (0-100%)

■ GYRO

■ RATE

SW- INH

0 : 50.0%

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

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.

If the T-i6 organizes has the function of returned data

■ GYRO

■ RATE

SW- F.MODE

0 : 50.0%

1 : 50.0%

■ GYRO

■ RATE

SW- GYRO

0 : 50.0%

1 : 50.0%

2 : 50.0%

↑ Option Switch

↑ Option Value (0-100%)

■ GYRO

■ RATE

SW- AUX

0 : 50.0%

1 : 50.0%

■ GYRO

■ RATE

SW- INH

0 : 50.0%

1 : 50.0%

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

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

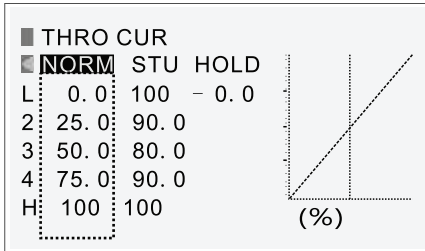
The Thro Cur function supports setting values for 5 positions in the throttle response curve of 3 different modes: NORM (Normal), STUNT and HOLD.

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).

NORM/STU: F-MODE GEAR

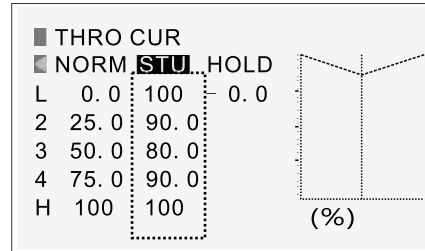
HOLD: THHOLD MIX

THRO CUR (NORM)



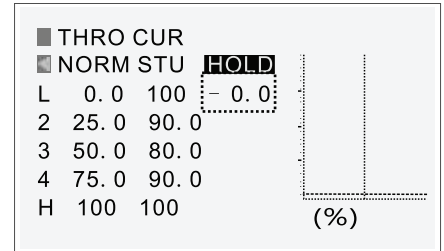
NORM: each value set up in the Normal flight mode. The value range: 0-100.

THRO CUR (STU)



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

THRO CUR (HOLD)



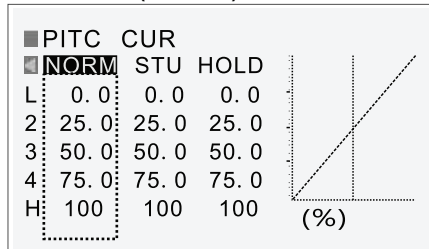
HOLD: in TH.HOLD curve, the value range: -10-100.

7. PITCC UR

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.

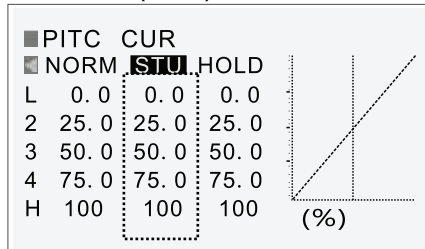
NOTE: please set up the TH.HOLD function first Before set up the HOLD curve value.

PITCC UR (NORM)



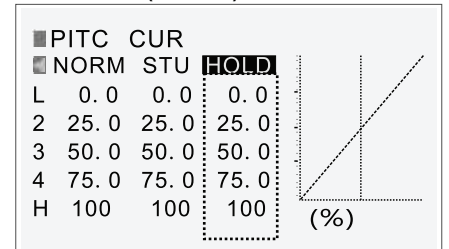
NORM: each value set up in the Normal flight mode. The value range: 0-100%.

PITCC UR (STU)



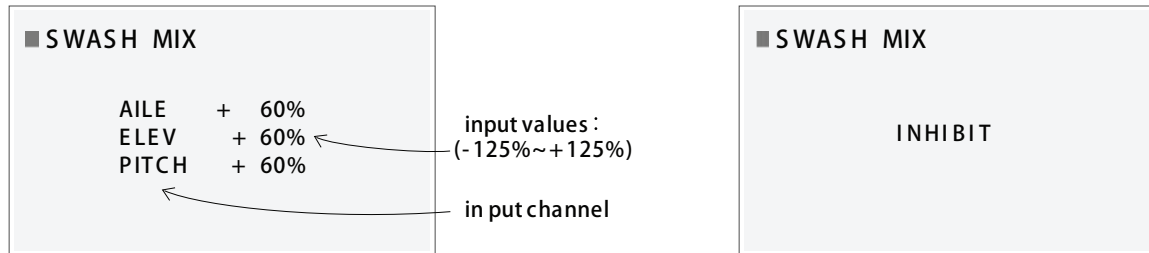
STU: each value set up in the STUNT flight mode. The value range: 0-100%.

PITCC UR (HOLD)



HOLD: in TH.HOLD curve, the value range: 000% 1

8.SWASH MIX



The Pitch Curve 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 adjusting 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, adjustment 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.

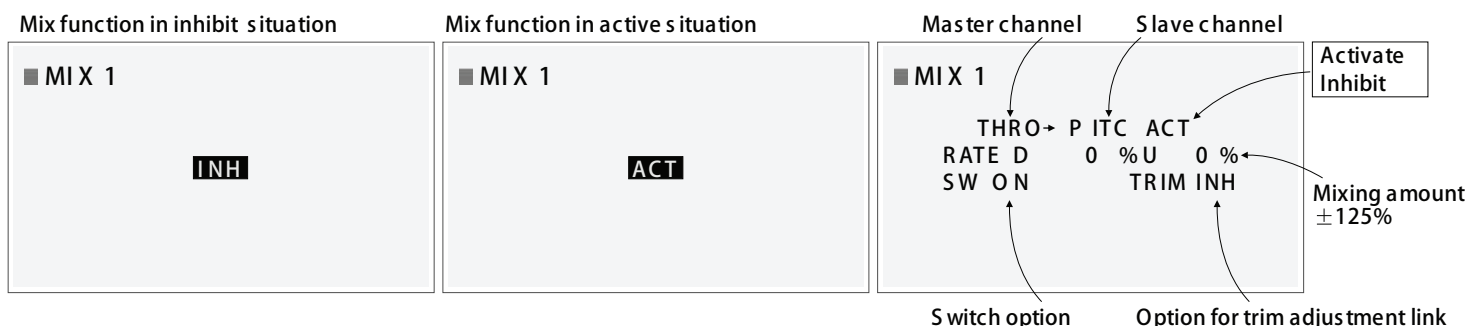
Mix Options

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.



The first channel is the master channel; the second is the slave channel. You can adjust directional mix value (U, D, L and R) between -125% and +125%. If the T-16 organizer has the function of returned data, you can setup offset value (-100% to +100%) for slave channel.

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.

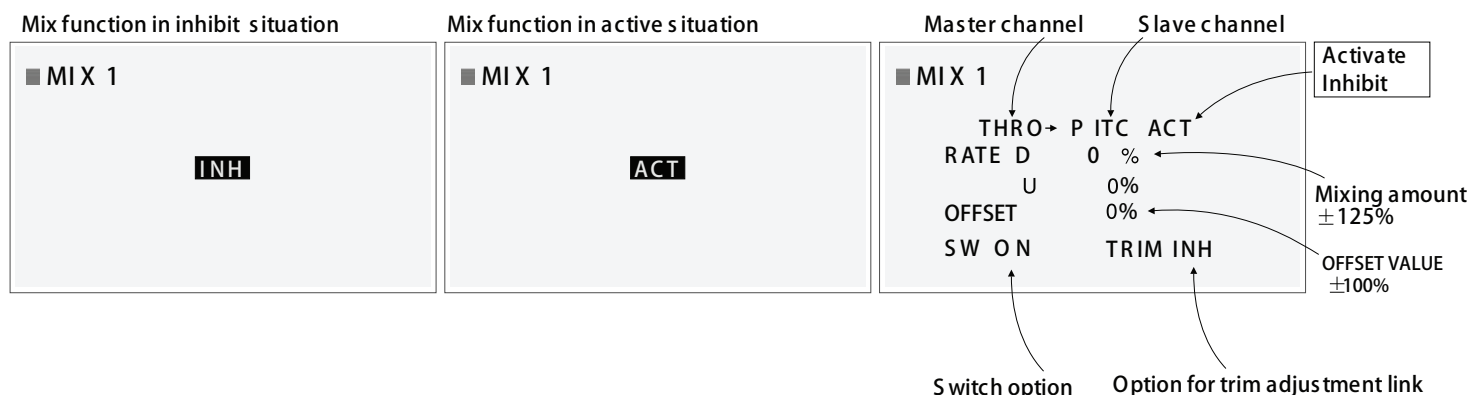
Mix Options

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.

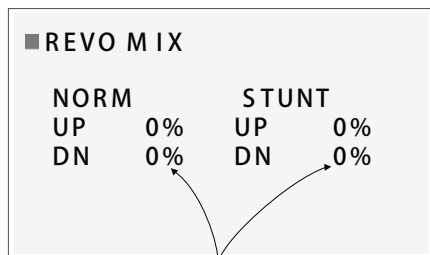
Dual Elevators: Requires Gear to Gear Mix of -100% to +100% to inhibit (INH) Gear Channel Switch, then Elevator to Gear Mix of +100% to +100% to activate the Gear channel to work as a slave to the elevator channel. This makes dual elevator setups possible.

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 FMODE switch to active a flight mode.



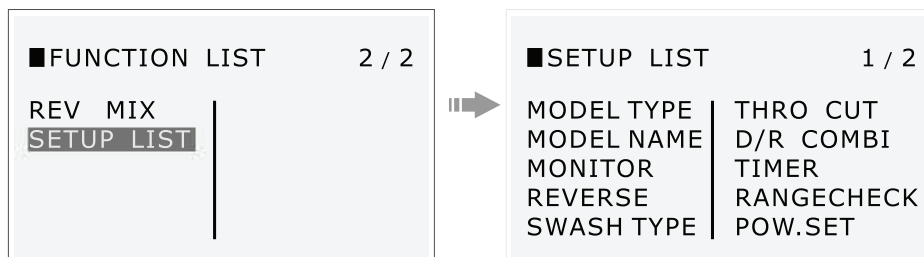
Note: in the situation where a tail lock (head lock) gyro is being used, set it to not be used (Make all settings 0%).

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

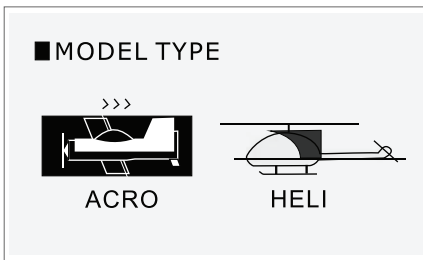
SETUP LIST: Rotating the ROLLER to the SET UP LIST from FUNCTION LIST, then press the ROLLER to select the SET UP LIST. When SET UP LIST appears on the screen, release the roller. And all of the SET UP LIST shows as below.



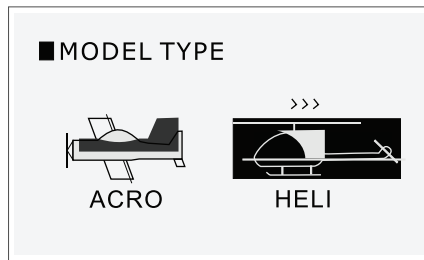
To Access the SETUP LIST of HELICOPTER

12.MODEL TYPE:

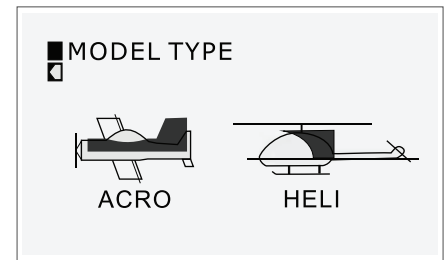
This transmitter supports 2 model types: Airplane (ACRO) and Helicopter (HELI). Model Type is stored in a model memory. Options affecting other screens and Functions as below:



Rotate the roller to highlight the airplane(ACRO) then press to select. Then "download....."showing on the screen for seconds, while six "BBB.....BBB" sounds, it means set up successful, and returns to the previous screen. The selected model type will display on the main screen.



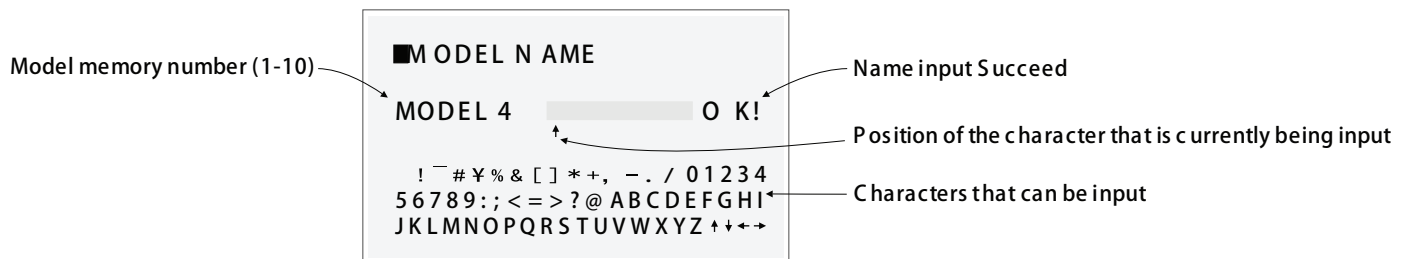
Rotate the roller to highlight the helicopter(HELI) then press to select. Then "download....."showing on the screen for seconds, while six "BBB.....BBB" sounds, it means set up successful, and returns to the previous screen. The selected model type will display on the main screen.



Return to the SETUP LIST menu.

13.MODEL NAME:

Model Name function assigns a name to a specific memory, so the model memory is easier to identify. The model memory number and a name is displayed on the Main screen. The name fills 8 character spaces chosen from spaces, symbols, numbers and letters.

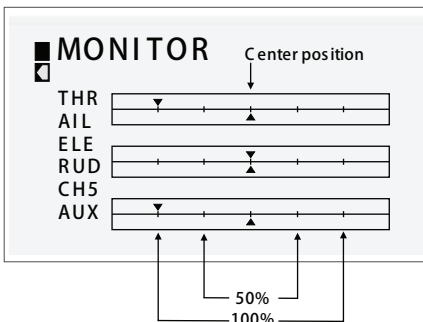


14.MONITOR:

This function is for monitoring the servo movements of each channel on the transmitter display screen.

The servo moment display is bar display with a vertical line in the center marking the neutral position. Centered around this to left and right are graduations marking the control surface angle 50% and 100% positions in order, and at each of the left and right ends there are the maximum control surface angle 150% position.

The movements in this function include all of the adjustments and mixing. Each of the display positions should be considered as a rough guide.



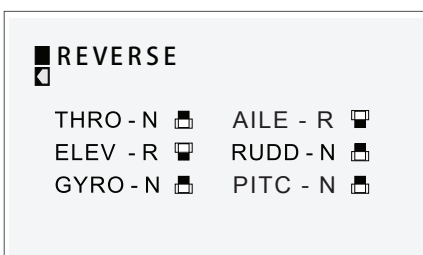
15.REVERSE:

Reverse function changes servo throw direction for all 6 channels. Movement of a control stick or switch is NOT changed. Instead, a channel's response to transmitter input is reversed.

N= Normal

R= Reverse

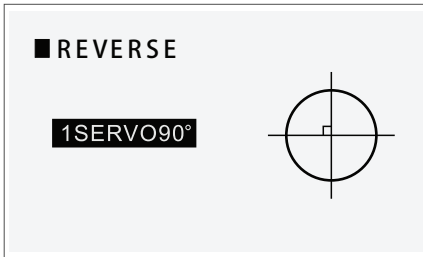
Note: Your aircraft manual may refer to this as changing transmitter flight control directions in the Control Test/Reverse controls section.



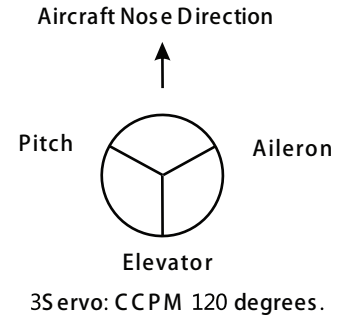
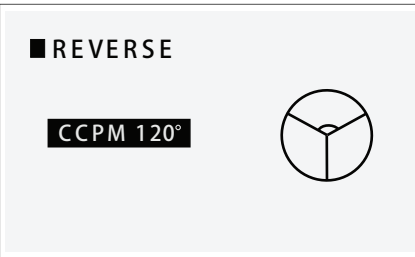
16 SWASH TYPE :

Swash Type function supports 1 S ervo: 90 degrees (standard mechanical mix) and 3 S ervo: CC PM 120 degrees. Refer to your model's manual for recommended settings.

1 S ervo: 90 degrees
(standard mechanical mix)

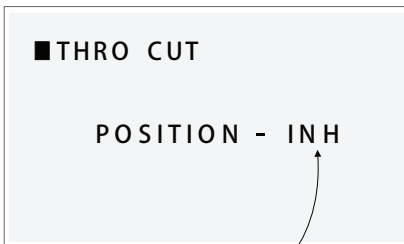


3 S ervo: CC PM 120 degrees.

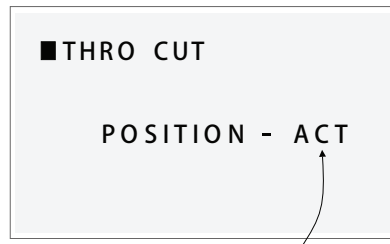


17 THRO CUT :

Thro Cut function activates (ACT) or inhibits (INH) the Throttle Cut button. When an activated Throttle Cut button is pressed, the throttle moves to the low throttle, low trim position for safe and convenient shut down of the engine or removal of power to the electric motor.



Throttle cut switch in inhibits



Throttle cut switch activates

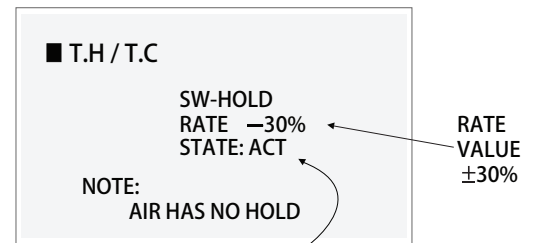
If the T- i6 organizes has the function of returned data, Thro Hold/Cut function (ACT) or inhibits (INH) the Throttle Hold/Cut button. (note: if the function doesn't active (INH), the button is pressed, The throttle channel's value will be locked). when an activated throttle Hold/Cut button is pressed, at the same time, the first option is "HOLD", the throttle will move to the low throttle (the position is fixed). if the first option is "THR CUT", you can change the position by changing the value (-30% to +100%) of the second option. you can also shut down the "THR CUT" function by setting the third option (ACT or INH). (note: Airplane doesn't have "HOLD" function.)



Throttle cut switch in inhibits



Throttle cut / hold switch activates



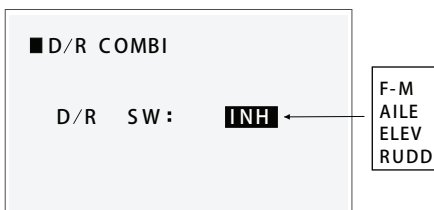
Throttle cut switch activates

18 D/R COMBI:

If the T- i6 organizes has the function of returned data, the T- i6 organizes doesn't have the function.

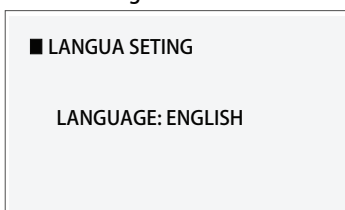
The Dual Rate C ombi function allows you to assign a switch for combining D/R & EXPO. You can assign aileron, elevator and rudder dual rate and exponential functions to 1 of 3 common switches so dual rates/expo for all 3 channels is enabled by one switch.

INH: Options (INH, AILE, ELEV or RUDD switches. GEAR switch can be used in HELI mode.)



18. LANGUAGE:

If the T- i6 organizes has the function of returned data, the T- i6 organizes doesn't have the function.



22. TX SETTING:

In this function can be select the battery type, note sounds, LCD visibility and the back light time for this radio .

■ TX SETTING

BATTERY TYPE:NIMH/4S
4.6V
SOUND MODE:ON
CONTRAST:50%
BACK LIGHT :01:30

BATTERY TYPE: 1.2V or 1.6V NIMH BATTERY *4, 2sells/7.4V Li-Poly battery *1, and 5#AA battery *4.

Note: all of the batteries should be work with JST plugger and connect with properly pole.

SOUND MODE:ON\OFF:The note sounds switch.

CONTRAST:0~100%:CONTRAST A CONTRAST List The Contrast function adjusts the image

on the LCD for visibility in sunlight. The default value is 50%.

BACK LIGHT:01:30:The starting time for the BACK LIGHT, user can set up the starting time according your habits.

23. RX SETTING:

If the T-i6 organizes has the function of returned data,the T-i6 organizes can receive data ,include the voltage of battery on the plane, the temperature and speed.At the same time ,you can set the voltage(0 v~100 v).the voltage is the minimum voltage alarm . you also can set the temperature (-30°C~+30°C),the temperature is the minimum temperature alarm

■ RX SETTING

R---VOL:-----V MIN 0.0
TEM: -----C MIN -30
PRM: -----KV

24. COPY/RESET:

The Copy/Reset function supports copying the active model memory to any of the other 9 available model memories .This is useful for setting up a model with different programming or to set up a similar model.

■ COPY / RESET

MODEL 2
COPY
RESET
STK MODE



■ COPY / RESET

MODEL 2
COPY TO 1
SURE? NO/YES

Current model number.

Model number to be transferred(1-10).

Approval to deleted destination model memory information by YES and NO switch.

This function presets all of the setting data of the current model to the initial conditions.

■ COPY / RESET

MODEL 2
COPY
RESET
STK MODE



■ RESET

MODEL 2
SURE? NO/YES

Current model number.

Approval to deleted model memory information and overwriting memory with factory default settings by YES and NO switch.

The mode of the sticks can be chosen with this function. You can choose from Mode1 or Mode2.

You will need to remove the back case transmitter cover and swap the throttle ratchet and elevator spring.

■ COPY / RESET

MODEL 2
COPY
RESET
STK MODE



■ STK MODE

MODE1
ELEV THRO
RUDD AILE

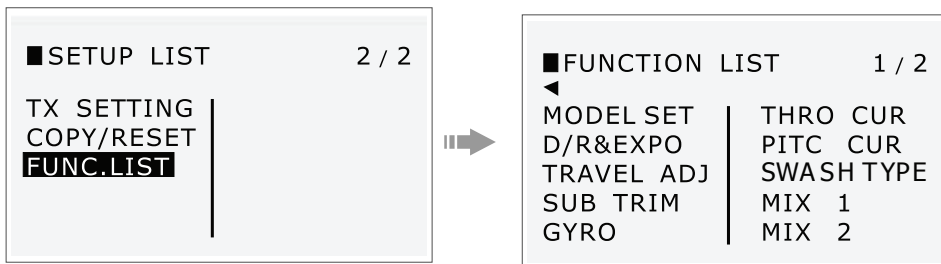


■ STK MODE

MODE2
THRO ELEV
RUDD AILE

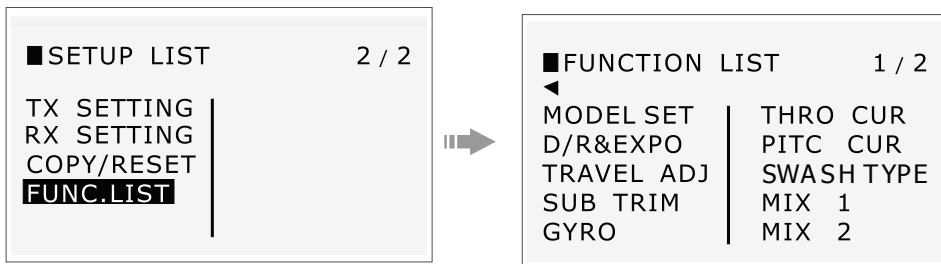
25. FUNC LIST:

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



If the T-i6 organizes has the function of returned data

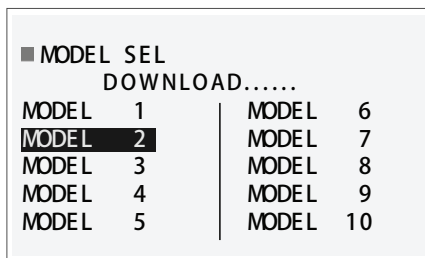
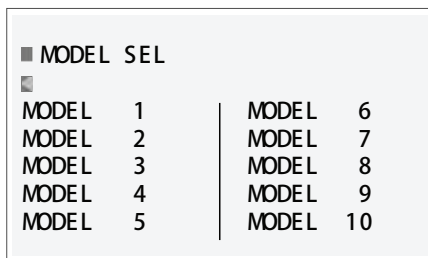
SET UP LIST: Rotating the ROLLER to the FUNC .LIST from SET UP LIST, then press the ROLLER to select the FUNC .LIST. When FUNC .LIST appears on the screen, release the roller. And all of the FUNC .LIST shows as below.



To Access the FUNCTION LIST of Airplane

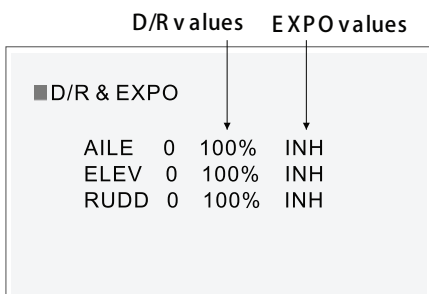
26.MODEL SET:

In this screen, the establishing of models, for the model memories can be up to 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.



" B B B "

27.D/R & E XPO:



" INH " 禁用

If the T-i6 organizes doesn't have the function of returned data, the function is controlled by three switch (ELEV D/R, AILE D/R, RUDD D/R). If the T-i6 organizes has the function of returned data, the function is controlled by one switch (D/R).

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

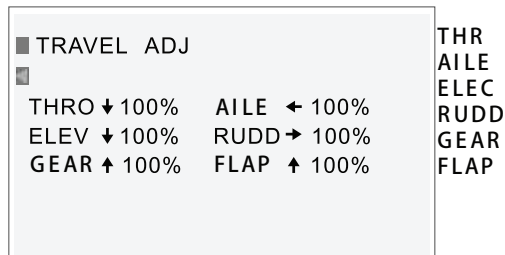
Affects the overall travel which in turn affects control response sensitivity equally throughout the range of that channel. Reducing the dual rate reduces the maximum control rate as well as overall sensitivity.

Exponential

Affects the sensitivity around center but has no effect 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.

28.TRAVEL ADJ:

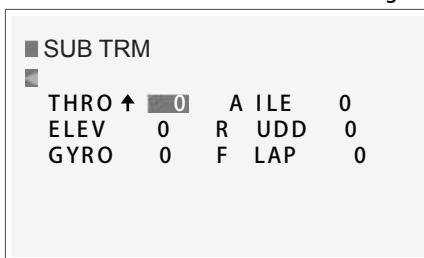
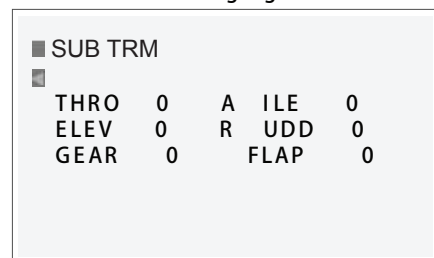


This function allows a adjustment of the servo left-right (and up-down) control surface angles for each channel separately. The angle adjustment is carried out referenced to the neutral position. Adjustment is possible over an adjusting range between 0 and 125% for each of left-right (up-down) directions.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

29.SUB TRM:

Press and hold the roller while turning on the transmitter. When FUNCTION LIST appears on the screen, release the roller. The T-i6 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%.

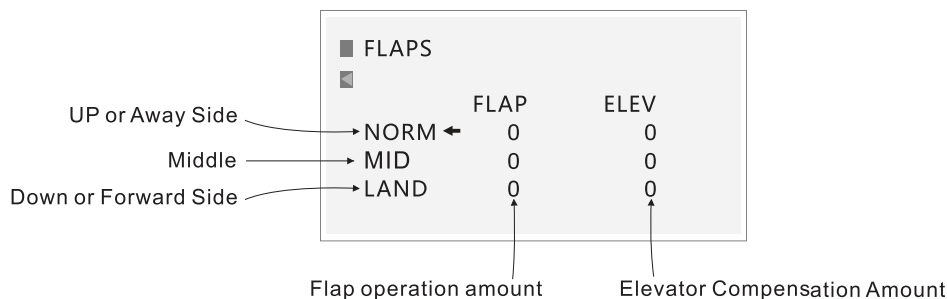
Note: Use only small Sub-Trim values so a servo's maximum travel is not overdrive.

30. FLAPS:

The Flaps function adjusts flap travel. The elevator column is an optional flap to elevator mix in switch position 0 (NORM (normal)) and position 1 (MID (Middle)) mode. position 2 (LAND (landing)) mode.

A Flap/Gyro switch position shown by + (0=Norm,1=Mid,2=Land)

B Position value (↕100 to 0 to ↘100)

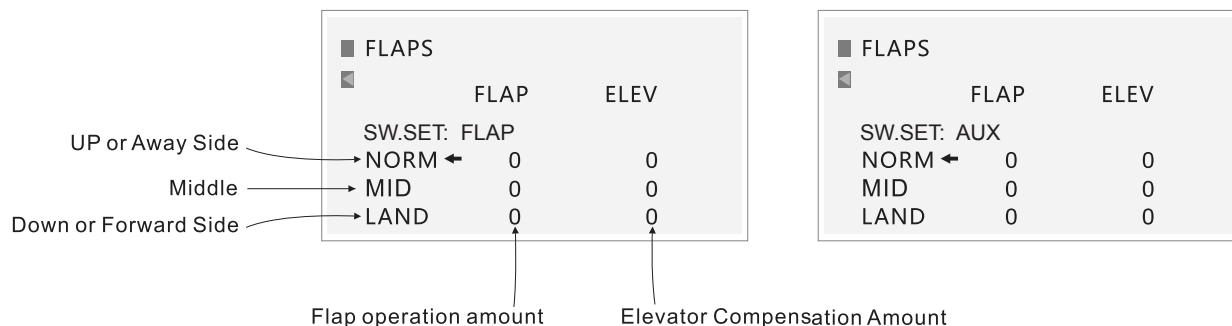


If the T-i6 organizes has the function of returned data. The Flaps function adjusts flap travel.

Switch options (FLAP or AUX), when you choose FLAP, the elevator column is an optional flap to elevator mix in switch position 0 (NORM (normal)) and position 1 (MID (Middle)) mode, position 2 (LAND (landing)) mode.

A Flap/Gyro switch position shown by + (0=Norm,1=Mid,2=Land)

B Position value (↕100 to 0 to ↘100). If you can choose AUX, the value of the sixth channel only produced by the "aux", At the same time, Except the first setting options effectively, all the rest of the Settings are invalid



31. 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

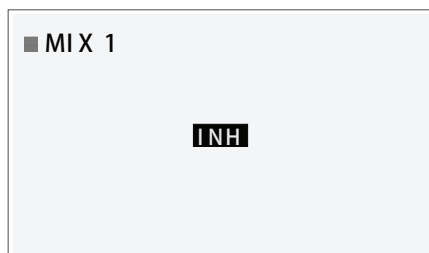
Aileron to Rudder: Causes rudder to move when ailerons move. This helps with airplanes that have adverse movement of the nose around the center axis (yaw) (right aileron results in left nose movement (yaw)). When programming aileron to rudder mix in the same direction, the airplane makes coordinated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

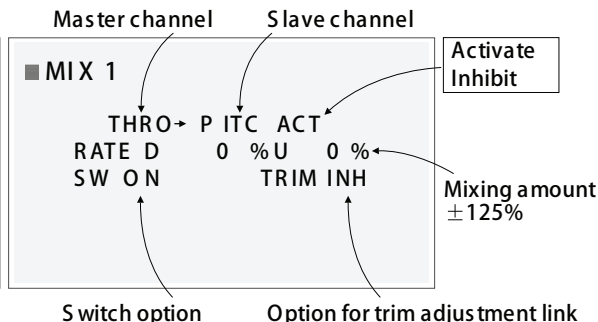
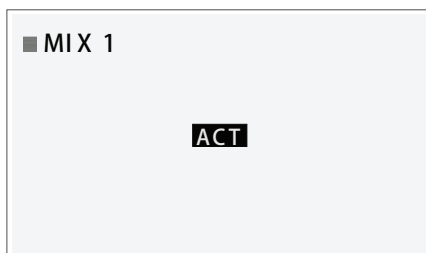
Dual Elevators: Requires Gear to Gear Mix of -100% to +100% to inhibit (INH) Gear Channel Switch, then Elevator to Gear Mix of +100% to +100% to activate the Gear channel to work as a slave to the elevator channel. This makes dual elevator setups possible.

Rudder to Aileron or Elevator: Eliminates roll and pitch coupling or (roll and pitch happening at the same time) when rudder is applied. This is normally used to correct coupling in knife-edge flight.

Mix function in inhibit situation



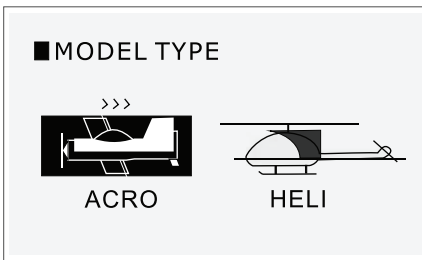
Mix function in active situation



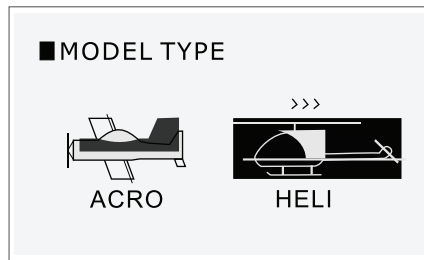
To Access the SETUP LIST of Airplane

34.MODEL TYPE:

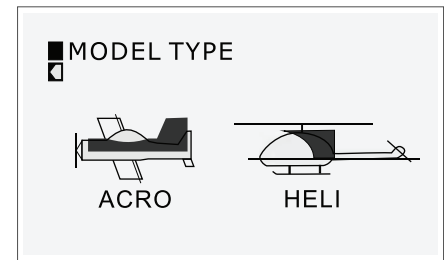
This transmitter supports 2 model types: Airplane (ACRO) and Helicopter (HELI). Model Type is stored in a model memory. Options affecting other screens and Functions as below:



Rotate the roller to highlight the airplane(ACRO) then press to select. Then "download....." showing on the S screen for seconds, while six "BBB.....BBB" sounds, it means set up successful, and returns to the previous S screen. The selected model type will display on the main screen.



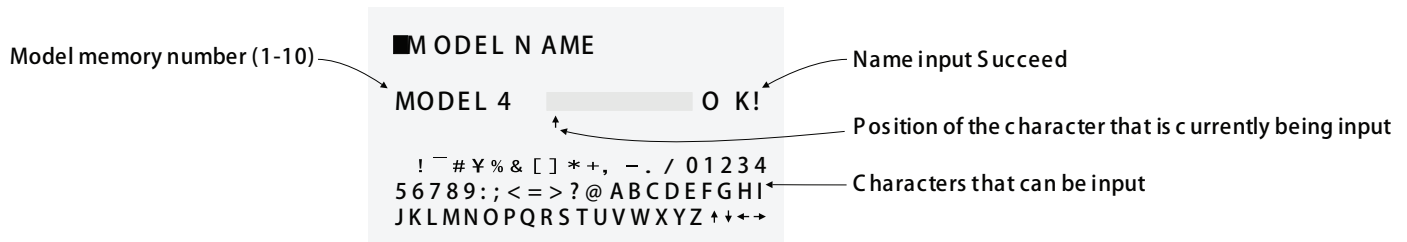
Rotate the roller to highlight the helicopter(HELI) then press to select. Then "download....." showing on the S screen for seconds, while six "BBB.....BBB" sounds, it means set up successful, and returns to the previous S screen. The selected model type will display on the main screen.



Return to the SETUP LIST menu.

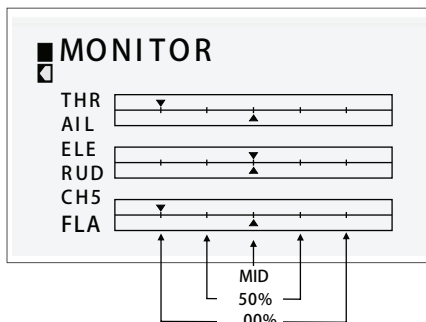
35.MODEL NAME :

Model Name function assigns a name to a specific memory, so the model memory is easier to identify. The model memory number and a name is displayed on the Main screen. The name fills 8 character spaces chosen from spaces, symbols, numbers and letters.



36.MONITOR :

This function is for monitoring the servo movements of each channel on the transmitter display screen. The servo moment display is bar display with a vertical line in the center marking the neutral position. Centered around this to left and right are graduations marking the control surface angle 50% and 100% positions in order, and at each of the left and right ends there are the maximum control surface angle 150% position. The movements in this function include all of the adjustments and mixing. Each of the display positions should be considered as a rough guide.

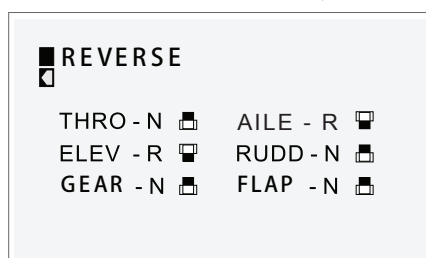


37.REVERSE :

Reverse function changes servo throw direction for all 6 channels. Movement of a control stick or switch is NOT changed. Instead, a channel's response to transmitter input is reversed.

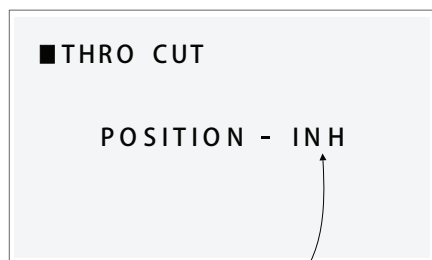
N= Normal
R= Reverse

Note: Your aircraft manual may refer to this as changing transmitter flight control directions in the Control Test/Reverse controls section.

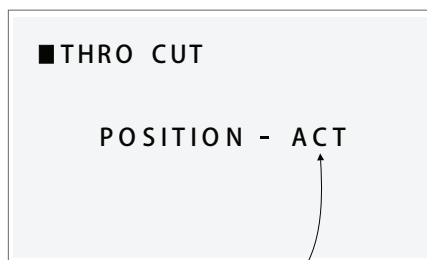


38. T.H/T.C

Thro Cut function activates (ACT) or inhibits (INH) the Throttle Cut button. When an activated Throttle Cut button is pressed, the throttle moves to the low throttle, low trim position for safe and convenient shut down of the engine or removal of power to the electric motor.

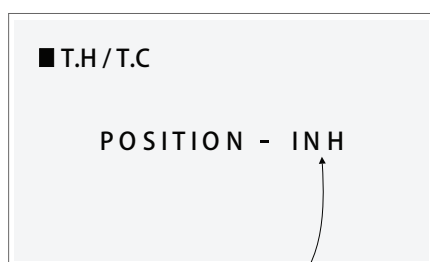


Throttle cut switch in inhibits



Throttle cut switch activates

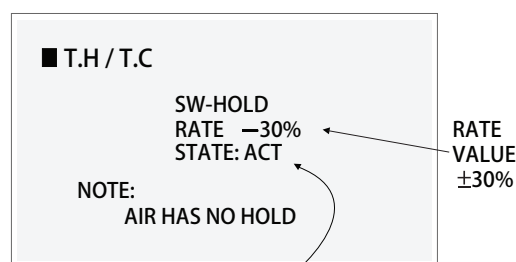
If the T-i6 organizer has the function of returned data, Thro Hold/Cut function (ACT) or inhibits (INH) the Throttle Hold/Cut button. (note: if the function doesn't active (INH), the button is pressed, The throttle channel's value will be locked). when an activated throttle Hold/Cut button is pressed, at the same time, the first option is "HOLD", the throttle will move to the low throttle (the position is fixed). if the first option is "THR CUT", you can change the position by changing the value (-30% to +100%) of the second option. you can also shut down the "THR CUT" function by setting the third option (ACT or INH). (note: Airplane doesn't have "HOLD" function.)



Throttle cut switch in inhibits



Throttle cut / hold switch activates



Throttle cut switch activates

39. WING TAIL:

Wing Tail Mix function supports Normal, Dual Aileron, V-Tail and Elevon (Delta) mixing. Refer to your model's manual for recommended settings. See Appendix for information about recommended wing type servo installations on scratch built models. Normal This normal or default setting for airplanes is 1 s servo channel for aileron, 1 c channel for elevator and 1 channel for the rudder. These common wing and tail functions are enabled when you set DUALAILE, ELEVON and V-TAIL at INH (inhibit).



* Dual Aileron Wing Type Selection

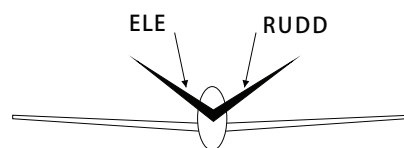
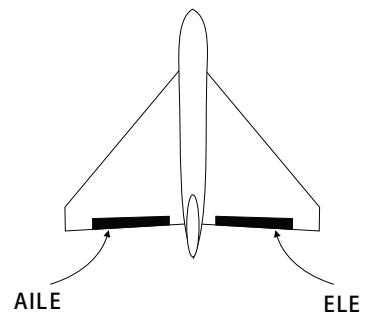
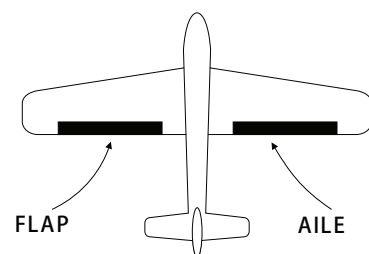
The connection will make a linkage between the servo connected to FLAP of the left wing aileron (AUX) and the servo connected to AILE of the right wing aileron. Dual Aileron requires use of a servo for each aileron and supports use of ailerons as flaps or spoilers. This function also supports precise independent adjustment of up and down travel, and independent sub-trim and differential for each aileron.

* V-tail Selection

The connection uses the servo connected to ELEV for the left tail moveable part, and the servo connected to RUDD for the right tail moveable part. When the V-TAIL setting is changed to active (ACT), V-YAIL operation will be set. V-tail combines the elevator and rudder channels for pitch and yaw control when using a V-tail equipped airplane. This function also supports precise independent adjustment of up and down travel, and independent sub-trim and dual rate adjustments for V-tail control surfaces.

* Elevon Wing Type Selection

Elevon (Delta) wing combines aileron and elevator functions for precise control of roll and pitch. The connection will make a linkage between the servo connected to AILE of the left wing moveable part and the servo connected to ELEV of the right wing moveable part. By setting ELEVON to ON, the elevons will operate. Further, because the left and right control surface angle adjustment of the corresponding channels will be carried out separately for each servo, the adjustment of the movement amount of each stick operation should be carried out using dual rate.



43 . TRAN SET:

The Power Setting function adjusts transmitter power output to conform to national standards. T-i6 offers two type of output power.
A-EU 328: it is appropriate for most European countries conforming to EU 300-328.
B-US 247: it is for use in the United States and countries outside the European Union (EU).

■ POW SETTING

A -EU 328

■ POW SETTING

B -US 247

If the T-i6 organizes has the function of returned data, the TRANE SETTING menu enables you to change the type of output power and modulation mode. the T-i6 offers two type of power and two Modulation Mode, you can select the option you wish to change and press the scroll wheel (note, the T-i6 has one type Frame Rate---22ms) We recommend using DSSS-2 (default) modulation mode and 22ms (default) Frame Rate.

When DSSS-X is active, the transmitter operates in DSSS-X with DSSS-X receivers and DSSS-2 with DSSS-2 receivers. The transmitter automatically detects DSSS-2 or DSSS-X during binding and changes the mode accordingly to match the receiver type you are using. If you select DSSS-2, the transmitter operates in DSSS-2 regardless of whether it is bound to a DSSS-2 or DSSS-X receiver.

A_EU 328 it is appropriate for most European countries conforming to EU 300-328

B-US 247 it is for use in the United States and countries outside the European Union EU

■ TRANE SETTING

POW SET: B-US 247
TRAN TYPE: DSSS-2
TRAN TIME: 22 MS

■ TRANE SETTING

POW SET: A-EU 328
TRAN TYPE: DSSS-2
TRAN TIME: 22 MS

■ TRANE SETTING

POW SET: B-US 247
TRAN TYPE: DSSS-X
TRAN TIME: 22 MS

44. TX SETTING:

In this function can be select the battery type, note sounds, LCD visibility and the back light time for this radio .

■ TX SETTING

BATTERY TYPE: NIMH/4S
4.6V
SOUND MODE: ON
CONTRAST: 50%
BACK LIGHT : 01:30

BATTERY TYPE: 1.2V or 1.6V NIMH BATTERY *4, 2sells / 7.4V Li-Poly battery *1, and 5#AA battery *4.

Note: all of the batteries should be work with JST plugger and connect with properly pole.

SOUND MODE: ON\OFF: The note sounds switch.

CONTRAST: 0~100%: CONTRAST A CONTRAST List The Contrast function adjusts the image on the LCD for visibility in sunlight. The default value is 50%.

BACK LIGHT: 01:30: The starting time for the BACK LIGHT, user can set up the starting time according your habits .

45. RX SETTING:

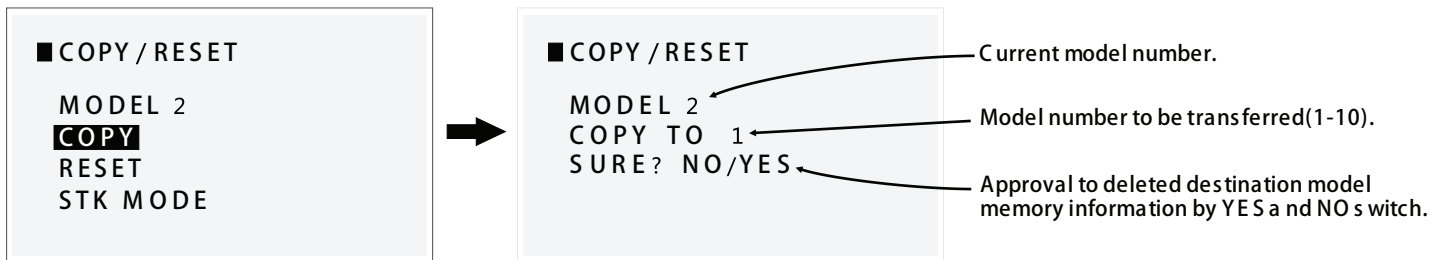
If the T-i6 organizes has the function of returned data, the T-i6 organizes can receive data, include the voltage of battery on the plane, the temperature and speed. At the same time, you can set the voltage (0 v~100 v). the voltage is the minimum voltage alarm . you also can set the temperature (-30°C~+30°C), the temperature is the minimum temperature alarm

■ RX SETTING

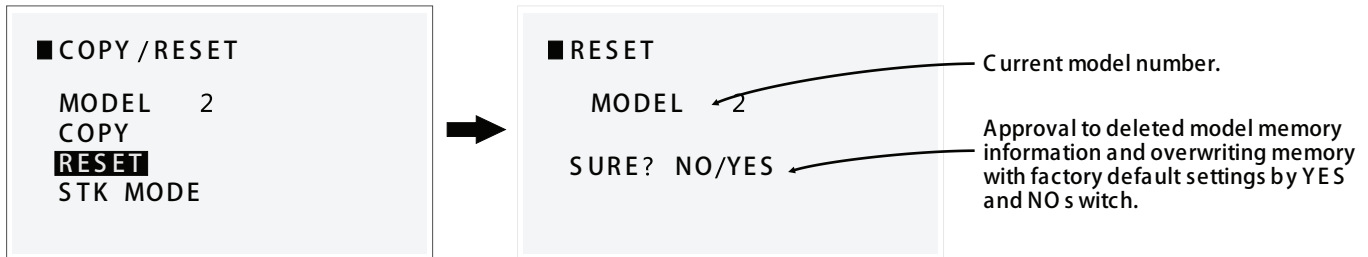
R---VOL: -----V MIN 0.0
TEM: -----C MIN -30
PRM: -----KV

46. COPY/RESET:

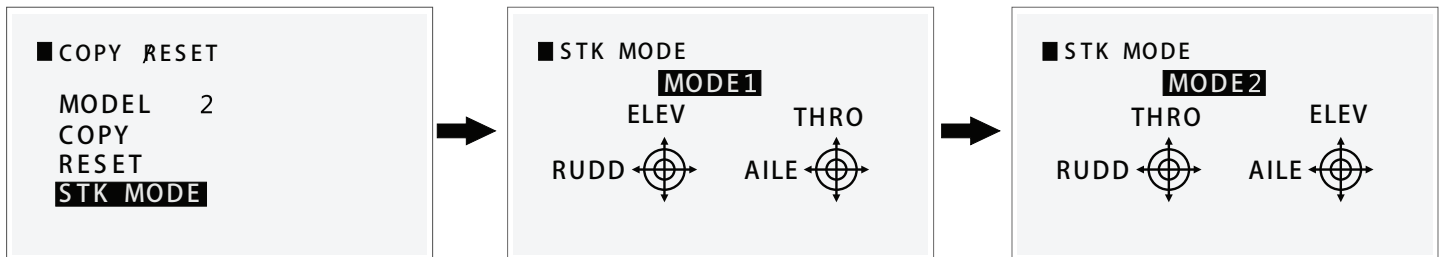
The Copy/Reset function supports copying the active model memory to any of the other 9 available model memories. This is useful for setting up a model with different programming or to set up a similar model.



This function presets all of the setting data of the current model to the initial conditions.

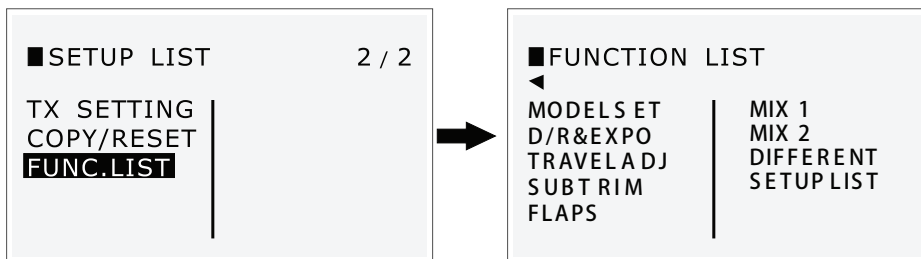


The mode of the sticks can be chosen with this function. You can choose from Mode1 or Mode2. You will need to remove the back case transmitter cover and swap the throttle ratchet and elevator spring.



47. FUNC. LIST

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



If the T-i6 organizes has the function of returned data

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

