Nine Eagles®

SLT™

J6

Operation and Instruction
of 6-channel TX

NOTHING FLIES LIKE NINE EAGLES

Transmitter system adopt Hobbico SLT protocol

■ J6-HBL20120914

Warning

NE-TX06203 2.4GHz transmitter is not a toy. To ensure your safety, children under 14 years old are strictly forbidden from operating it.

Eight dry cells are needed for using this remote control.any other inapplicable batteries are strictly forbidden. If you are not experienced in operating, we suggest you to learn it under the guidance of a well-experienced operator. Manufacturer and distributor are exempted from the responsibility of the product usage. We strongly suggest you to read this instruction carefully before operating.

This product has passed authoritative International Certification: America FCC, Europe CE, ROHS, and Australia C-Tick and so on.

WARNING

Before flying, please make sure you know the transmitter's distance of effective control, otherwise it may cause an unpredictable loss.

FCC INFORMATION AND WARNING

FCC statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

CE2200

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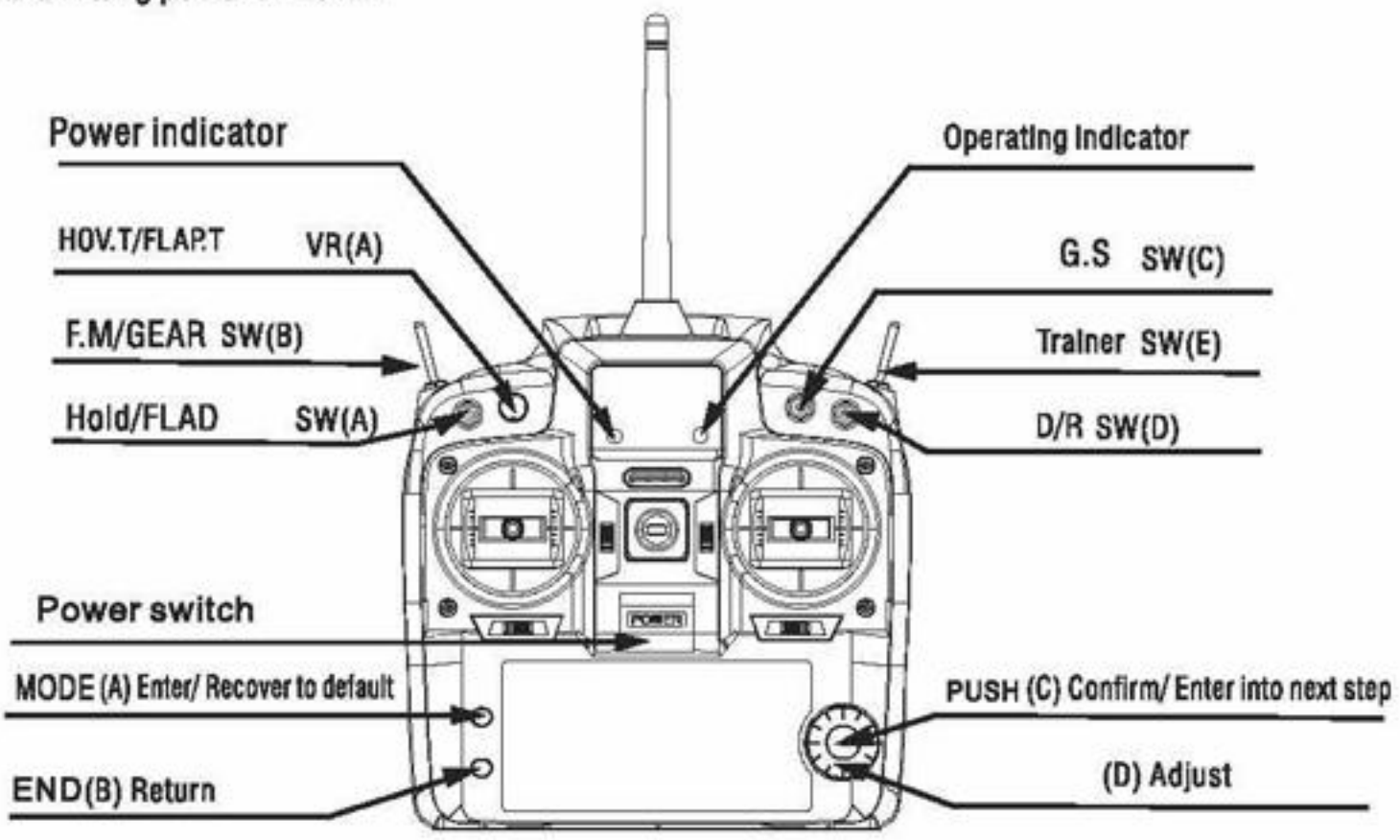
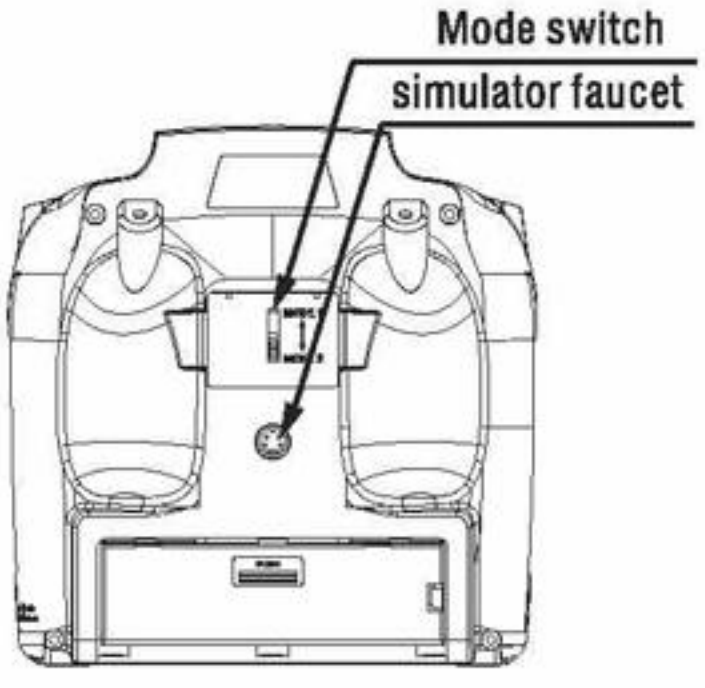
Summarize

The TX can control helicopter, airplane and glider, and adjust flight parameters. It employs advanced 2.4GHz DSSS (2.4GHz direct sequence spread spectrum) communication technology, and having long communication distance, excellent anti-Interference and error correcting features. Friendly Interface, easy to operate, concise and practical function, the whole external view is illustrated below.

TX technical parameters

1. Battery type: Eight AA batteries of 1.5V
2. Working voltage range: 8.5-13V
3. Working current: 100-150mA
4. TX transmitting power: 2+dBm





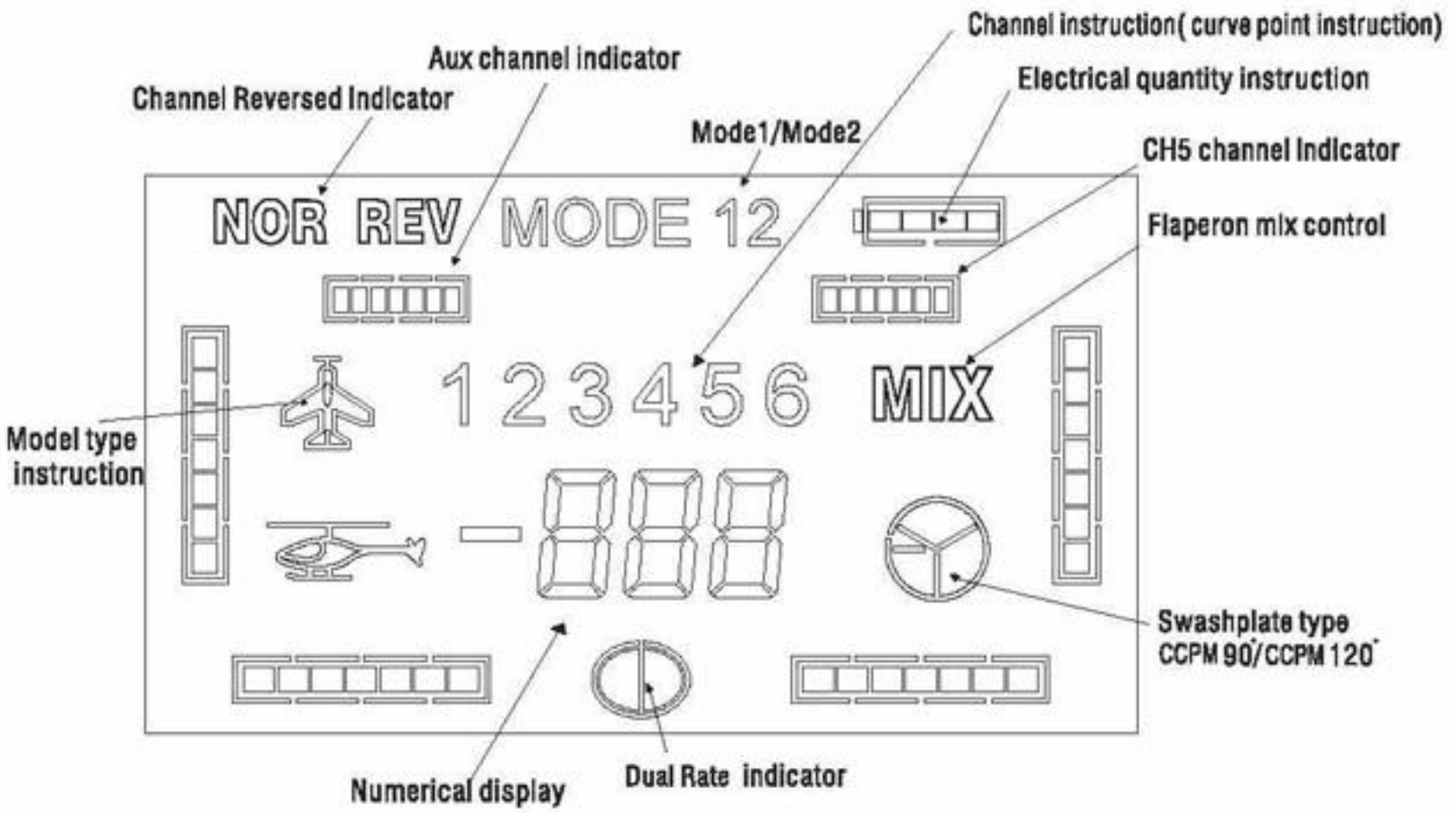
For further convenient operation, we replace the four general buttons by A, B, C and D thereinafter, and the corresponding relationship is as follows:

A	Enter/ Recover to default	the button "A" is to enter into menu, and to recover to default in value adjustment setup.
B	Return	the button "B" is to return to menu.
C	Confirm/Enter into next step	the button "C" is to save current setting values and enter into next step.
D	Adjust	the button "D" is to choose or adjust values.

Attention: The operating switch and knob perform different functions to different types of models, and the ones before the mark "/"mean the function for the helicopters while the ones behind the mark "/" mean the function for the airplanes.

LCD Screen Instruction

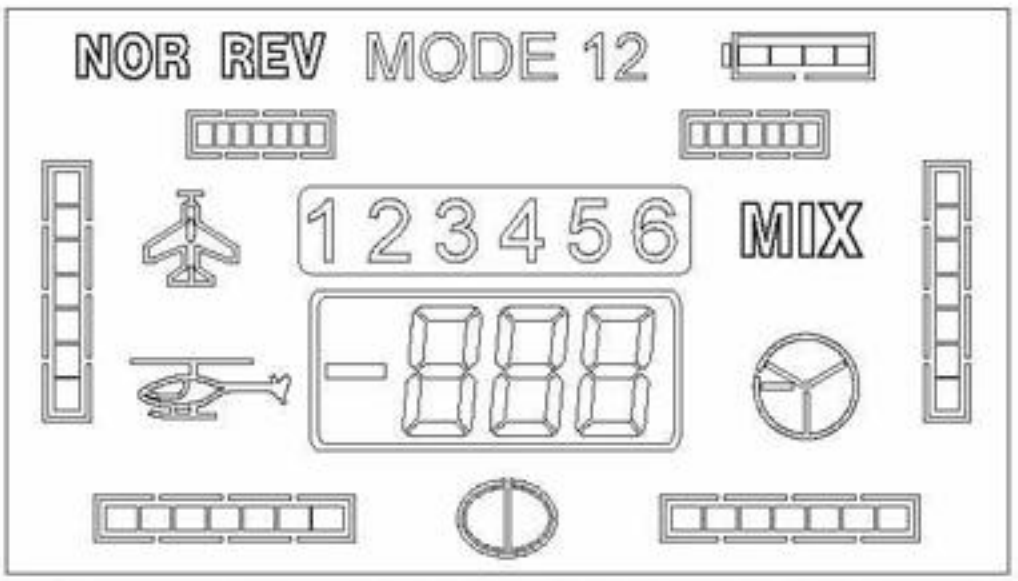
The TX employs high resolution and subsection LCD screen as user interface, the designs ketch is as illustration below:



All the parameters setup can be completed according to the above illustration. The whole menu is with layered structure, distinct levels and easy operation. The LCD display screen is divided into four parts according to the menu design structure.

Circle in red: channel identifier it is to indicate channel or function when setting parameters.
Circle in yellow: value display identifier it is to indicate values when setting parameters.

The corresponding location is illustrated below:



"MIX" represents mix identifier, it will flash when sets it while go solid if there is mix-control activate in stand by status.

The four surrounding indicating bar of LCD displays current trim position when control stick is not pushing (throttle channel generally indicates current channel volume), while displays control volume when control stick is pushing.

LCD data area(duplet box area) is the multi-role data area:

1.Meaning the current Model No in stand by and flight timer off status.

2.meaning the trimming value when trimming each channel.

3.Meaning the current throttle value when the throttle bar is moved.

The instruction for the related channels are as following: "1" represents aileron channel, "2" represents elevator channel, "3" represents throttle channel, "4" represents rudder channel, "5" represents landing gear/ sensitivity channel, "6" represents PITCH/Flap channel.

TX stand by status

Place each function switch in normal position (Push each switch towards back cover's direction), and turn on power to enter into stand by status, and then LCD displays current flight parameters and corresponding operation information.

There are three kinds of setting parameters for the TX: general parameter setup, advanced parameter setup, and special function setup. The details are illustrated below:

Press A one second to enter into general parameter setup when TX is in stand by status.

Press A and B one second together to enter into advanced parameter setup when TX is in stand by status.

Airplane and Glider

	Function	page
General parameter	Channel Reverse Function	P6
	Dual Rate Set	P6
	General Wing-mix (△ type, V type, flap/aileron type)	P7
	Operation curve and throttle curve setup	P8
	Gear speed	P12
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Helicopter

	Function	page
General parameter	Channel Reverse Function	P15
	Dual Rate Set	P16
	CCPM mix setup	P16
	General wing-mix (ATS. Mix)	P17
	Operation curve and throttle curve setup	P18
	Gyro sensitivity setup	P22
	Throttle hold function	P24
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Advanced parameter	Model type	P14
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Special Function

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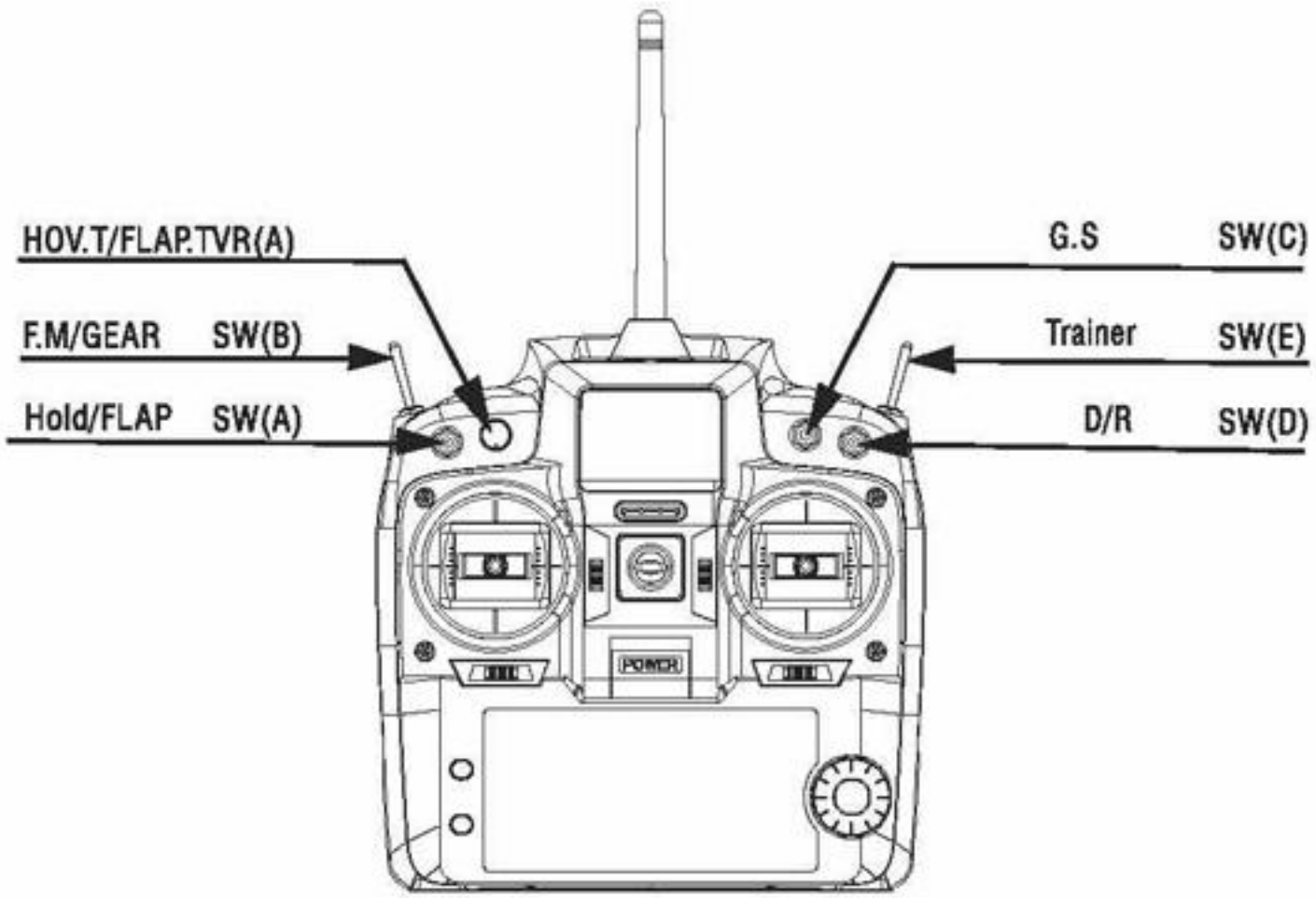
Airplane Operation Instruction

There are several setting parameters for airplane: Model No, Model type, Channel reserve, Rudder dual rate, Wing-mix, Operation curve, Memory trim and so on. Each switch position is illustrated below:



Model No

Function description	Operating steps	Specification
Change the Model No from 0 to 9.	1.Stand by. 2.Press button A+B for one second, character "MODE" and Model No blink simultaneously. 3.Press button A or C, character "MODE "lights constantly, the Model No blinks. 4.Turn the dial plate D to choose the needed Model No. 5.Press button C to save the current Model No, change the model data to the value corresponding to the chosen Model No.Go to the model type setup automatically. 6.Complete the setup and press button B to exit.	When choosing the Model No, the model type will chase the corresponding set value of the chosen No. Only by pressing button C will it work to change the Model No, when choosing the Model No, the Model type will change correspondingly to make the users search conveniently. As the Model No change will Influence the whole set parameter, when adjusting the set, users should deal suitably according to the remote object, Advice is that power supply be off to avoid sudden action of the model.

Model type setup

Function Description	Operation Steps	Instruction
It offers twooptions: Airplane and Helicopter.	1、Place TX in stand by status. 2、Press button "A" + "B" for one second, the "MODE" character and icon flash simultaneously. 3、Press button "A" or "C" ,the "MODE" character lights constantly, and the model type icon flashes. 4、Dial the D disk to choose the model type that is needed. 5、Press C to change current model type to selected one, and recover corresponding parameters to default, and then enter into user-defined mix setup. 6、Press B to exit after finishing setup.	Model type includes two options: for helicopter and for airplane. Alteration of Model type will change all parameters of current model to default. User should be cautious when using this function. If you are uncertain to change Model type, you shouldn't press C to avoid replacing the current parameters by default.If Model type is determinately changed, you'd better to turn on TX again to make sure the data is saved.

Channel reverse function

Function Description	Operation Steps	Instruction
Make sure the channel is set up in right position to meet operation requirement according to the installation position of servo.	1.Place TX in stand by status. 2.Press button A for one second, the whole " Nor Rev " instruction box and the channel flag "123456" flash together. 3.Press the button A or C, one single channel flag flashes. 4.Dial the D disc to choose the channel which needs setting.. 5.Press button A or C, the flag for the chosen channel lights constantly, the " NOR" or the "REV" flag flashes. 6.Dial the D disc to choose "NOR" or " REV" . 7.Press button C, save the "NOR" or " REV" status of the current channel, and then go on with next " NOR" or " REV" status setting for the next channel. 8、Press B to exit after finishing setup.	When setting Channel reverse setting, the data just reflects current setting status, not to save it. You have to press C to save data. When choosing "NOR" or "REV" for each channel, the TX output signal reflects the current setting status in real time. So you must be careful when choosing "NOR" or "REV" for throttle channel. And we suggest users not install the main motor or propeller to prevent the damage caused by propeller sudden rotation.

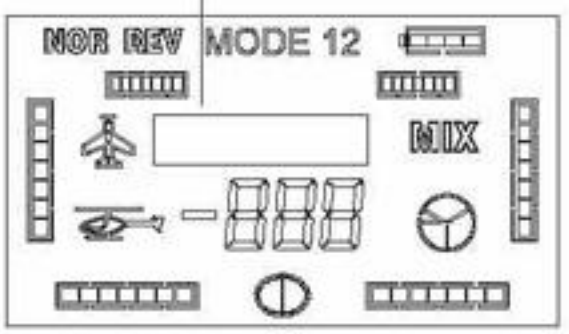
Dual Rate setup:

Function Description	Operation Steps	Instruction
When choosing high-rate or low-rate mode for "AIL", "ELE", "THR" three channels, you can set two values for the control stick's both sides (left/right and up/down) separately to meet the servo trim or operation feeling adjustment.	1、Place TX in stand by status. 2.Press button A for one second, the whole " NOR REV" instruction box and the channel flag "123456" flash together. 3.Dial the D disc until the big and small rudder value flags (two_semiellipse marks) and the channel flag "123456" flash together. 4.Press button A or C, the big and small rudder value flags (two semiellipse marks) and one channel flag flash simultaneously. 5. Dial the D disc to choose the channel which needs setting. 6.Press button A or C, the big and small rudder value flags (two semiellipse marks)、the current channel flag and the numerical area flash simultaneously. 7、Turn D to set the rudder value, use D/R switch to choose high-rate mode or low-rate mode, shake the corresponding channel control stick to select rudder value for left, right, upper and under sides. (Press A one second if you want to change Dual Rate Rudder value of left/right or up/down to default.) 8、Press C to save data and enter into next search. 9、Press B to exit after finishing setup.	When choosing channel, the numeric display identifier ("f") will display the parameter value of Dual Rate rudder of the current channel. In Dual Rate value setup mode, each channel has four setting parameters which can be changed through D/R switch and each channel's corresponding control stick. The same channel's left and right or upper and lower part parameter is restored synchronization when A is pressing. (Namely restore them to default at the same time). D/R value ranges from -125% to 125%. Note: Negative value indicates that control direction is opposite to the swing direction of control stick.

Wing-mix parameter setup:

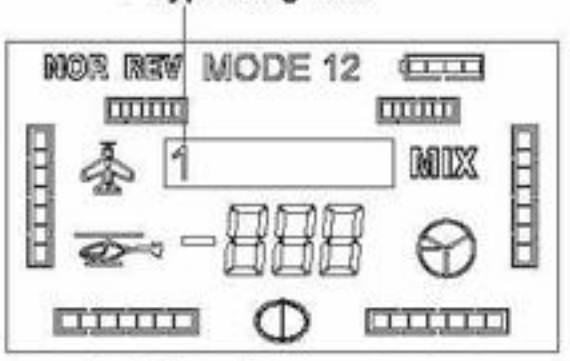
Function Description	Operation Steps	Instruction
It provides three kinds of general wing-mix parameters setup and asymmetric value setup of lefe/right or up/down side of control stick for airplane.	1、Place TX in stand by status. 2、Press button A for one second, the whole "NOR REV" instruction box and the channel flag " 123456" flash simultaneously. 3、Dial the D disc until the channel flag "123456" and the "MIX" character flash together. 4、Press A or C, and "MIX" flashes while "123456" disappears. (if this parameter has been set before, it will display last wing type) 5、Turn D to choose wing-mix type. 6、Press A or C, "MIX", current mix mode and single channel identifier will flash meanwhile. 7、Turn D to choose main channel or sub channel.	No display in the channel flag area means "non-Airfoil mixing control". "Displaying 1" means " delta wing mixing control". "Displaying 2" means "V shape wing mixing control". "Displaying 3"means " flaperon mixing control" To help the user to search conveniently, when you are choosing the channels, the numeric area indicates the Airfoil mix control parameter value of the current channel .

No wing mix



■ pictureA

△type wing-mix



■ pictureB

Function Description	Operation Steps	Instruction
	8.Press button A or C, the "MIX" character、the current mixing mode , the current mixing channel block and the numerical displaying area flash simultaneously. 9、 Turn D to set wing-mix value, use corresponding control stick to change parameter of left/right or up/down parts. (Press A one second to recover it to default.) 10、Press C to save data and enter into next search. 11、Press B to exit afer finishing setup.	Use corresponding control stick of each channel to change parameter of left/right or up/down parts in wing-mix setup. Corresponding channel parameter of left/right or up/down parts is restored synchronization when A is pressing. (Namely restore them to default at the same time). When "MIX" is flashing and "123456"disappears, press C to cancel the setting value of wing-mix.

Wing-mix setting parameter ranges from -100% to 100%. Negative value represents that control direction is opposite to the direction of control stick. Wing-mix setup changes with different model type, and the difference is illustrated below:

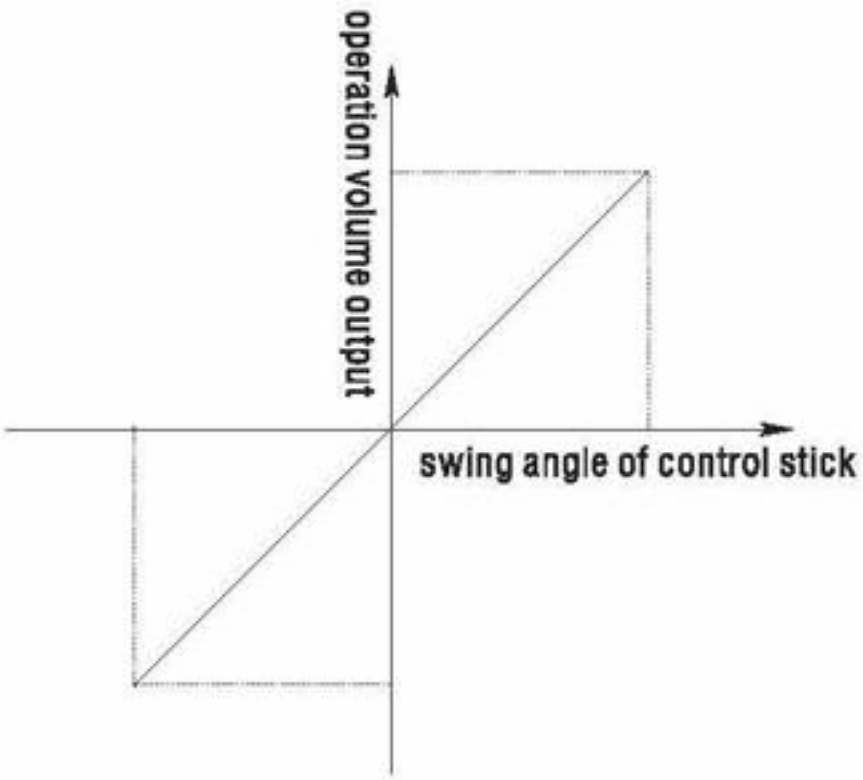
Airplane	1	A mix-control block	Aileron channel	for △shape wing model
		B mix-control block	Elevator channel	
	2	A mix-control block	Elevator channel	for V shape wing model
		B mix-control block	Rudder channel	
	3	A mix-control block	Aileron channel	for Flap/Aileron wing model
		B mix-control block	Flap channel	

1, 2, 3 in the above form represent mix-control type, you can find in the channel identifier "123456" in LCD, A mix-control block is the upper channel identifier ("a"), while B mix-control block is the nether part ("b"). You should choose model type before setting up this configuration item. When choosing wing-mix type, none of 1, 2, 3 displays on LCD means wing-mix is not set up. And it only displays current wing-mix type in stand by status. With TX in stand by status, if channel identifier ("b") displays nothing, that means no wing-mix is set up; if one of 1, 2, 3 displays on LCD, that means wing-mix is set up.

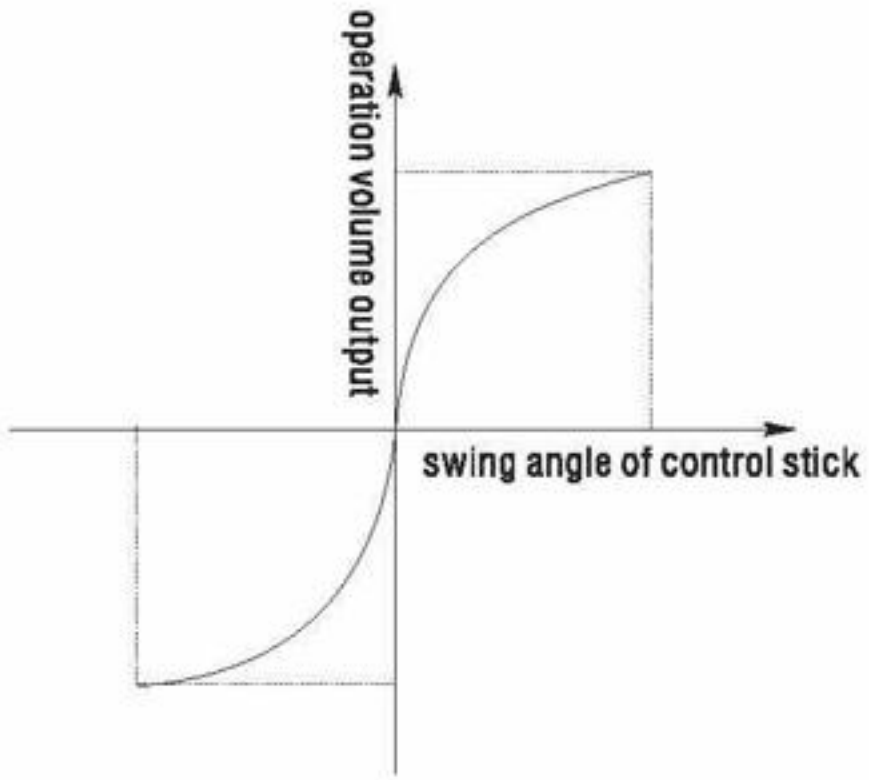
Operation curve setup:

Function Description	Operation Steps	Instruction
It provides operation curve setup and can improve operation feeling. And it can also adjust positive and negative index curve for Aileron, Elevator, Rudder three channels, and Five subsection curve for throttle channel.	1、Place TX in stand by status. 2、Press button A for one second, the whole instruction box of "NOR REV" and the channel flag flash together. 3、Turn D until channel identifier "123456" flash. 4、Press A or C, one single channel identifier will flash. 5、Turn D to choose operation curve to set up for each channel. 6、Press button A or C, the current channel flag and the first three icons in the numerical displ aying area flash simultaneously. 7、Turn D to set operation curve value (Press A one seconds to recover it to default) 8、Press C to save data and enter into next search. 9、Press B to exit afer finishing setup.	When choosing channel, the numeric display identifier ("f") displays current channel operation curve value, and end up with "E". Positive value of operation index curve indicates that middle control surface changes fast while both ends change slowly. And the effect is opposite when the value is negative.

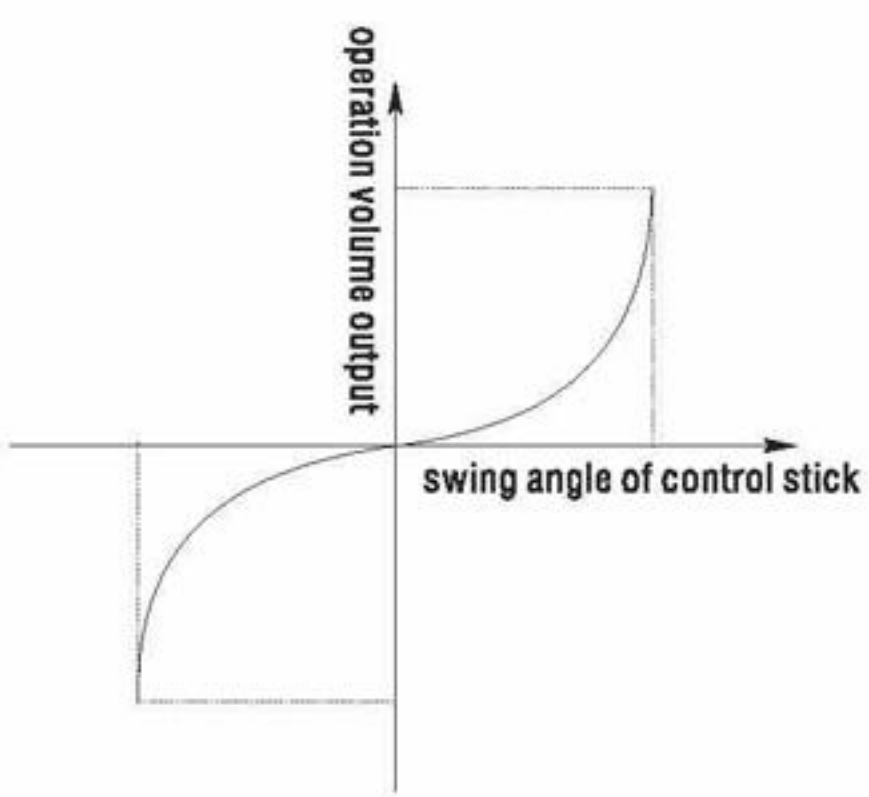
Index curve value ranges from -80% to 80%. The corresponding relationship between index curve and operation volume output is illustrated below:



■ index curve value is 0.



■ index curve value is 60.



■ index curve value is -60.

Five subsection curve setup of throttle channel

Function Description	Operation Steps	Instruction
It is to set up operation curve for throttle.	1、Place TX in stand by status. 2、Press button A for one second, the whole "NOR REV" instruction box and the channel flag flash together. 3、Dial the D disc until the channel flag "123456" flashes. 4、Press the button A or C, the channel flag "1" flashes. 5、Dial the D disc to choose the operating curve to set channel "3" ,the numeric area display "dot" . 6、Press button A or C, the current point flag (at this time, the channel flag means the point) flashes. 7、Dial the D disc to choose the operating curve point location. 8、Press the button A or C, the current point flag and (the channel flag means the point) and the numeric area flash simultaneously. 9、Turn D to set up current dot position value of operation curve. (Press A one second to recover current five dot position values to default). 10、Press C to save data and enter into next search. 11、Press B to exit after finishing setup.	When cursor moves to "3", time display identifier ("f") display " dot", which means the channel is 5dot operation curve. When choosing curve dot, numeric display identifier ("f") displays current curve dot value, starting with "d" for user's convenient search. The last figure of numeric display identifier ("f") displays "E" when set up parameter value for operation curve of control stick, while the first figure of it displays "d" when set up parameter value for throttle curve. It is convenient for user to distinguish. Setting values of throttle curve range from 0% to 100%.

Operation example

The process of setting operation curve of elevator channel as positive value 25% is as follows:

Function Description	Operation Steps	Instruction
It is the process of setting operation curve of elevator channel as positive value 25%.	1、Place TX in stand by status. 2、Press button A for one second, the whole "NOR REV" instruction box and the channel flag "123456" flash together. 3、Dial the D disc until the channel flag "123456" flashes. 4、Press button A or C, the channel flag "1flashes. 5、Dial the D disc to choose the channel of the curve which needs setting, the channel flag "2" flashes. 6、Press button A or C, channel flag "2" and the first three In the numeric area flash simultaneously, the last one in numeric area displays "E". 7、Turn D to set up operation curve value as 25. 8、Press C to save data and enter into next search. 9、Press B to exit after finishing setup.	When choosing channel, numeric display identifier ("f") displays current channel operation curve value, ending up with "E" for user's convenient search. Positive value of operation index curve indicates that middle control surface changes fast while both ends change slowly. And the effect is opposite when the value is negative.

The process to set throttle curve as 5dot is as follows:

Function Description	Operation Steps	Instruction
It is the process to set throttle curve as 5dot: The first dot value: 2%. The second dot value: 28%. The third dot value: 52%. The fourth dot value: 77%. The fifth dot value: 98%.	1、Place TX in stand by status. 2、Press button A for one second, the whole "NOR REV" instruction box and the channel flag flash together. 3、Dial the D disc until the channel flag "123456" flash together. 4、Press button A or C, channel flag "1" flashes. 5、Dial the D disc to choose the operating curve to set the channel, channel flag "3" flashes, the numeric area displays "dot". 6、Press button A or C, channel flag "1" flashes. 7、Press button A or C, channel flag "1" and the numeric area flash. 8、Turn D to set up current dot value as 002. 9.Press button C, channel flag "2" flashes simultaneously.	When cursor moves to "3", numeric display identifier ("f") display "dot", which means the channel is 5dot operation curve. When choosing curve dot, numeric display identifier ("f") displays current curve dot value, starting with "d" for user's convenient search. The last figure of numeric display identifier ("f") displays "E" when set up parameter value for operation curve of control stick, while the first figure of it displays "d" when set up parameter value for throttle curve. It is convenient for user to distinguish.

Function Description	Operation Steps	Instruction
	10.Press button A or C, channel flag "2" and the numeric area flash simultaneously. 11.Dial the D disc to set the parameter value of the operating curve's current point as 028. 12.Press button C, channel flag "3" flashes. 13.Press button A or C, channel flag "3" and the numeric area flash simultaneously. 14.Dial the D disc to set the parameter value of the operating curve's current point as 052. 15.Press button C, channel flag "C" flashes. 16.Press button A or C, channel flag "4" and the numeric area flash simultaneously. 17.Dial the D disc to set the parameter value of the operating curve's current point as 077. 18.Press button C, channel flag "5" flashes. 19.Press button A or C, channel flag and the numeric area flash simultaneously. 20.Turn D to set up current dot value as 098. 21. Press C to save data. 22.Press B to exit after finishing setup.	

Gear speed setup

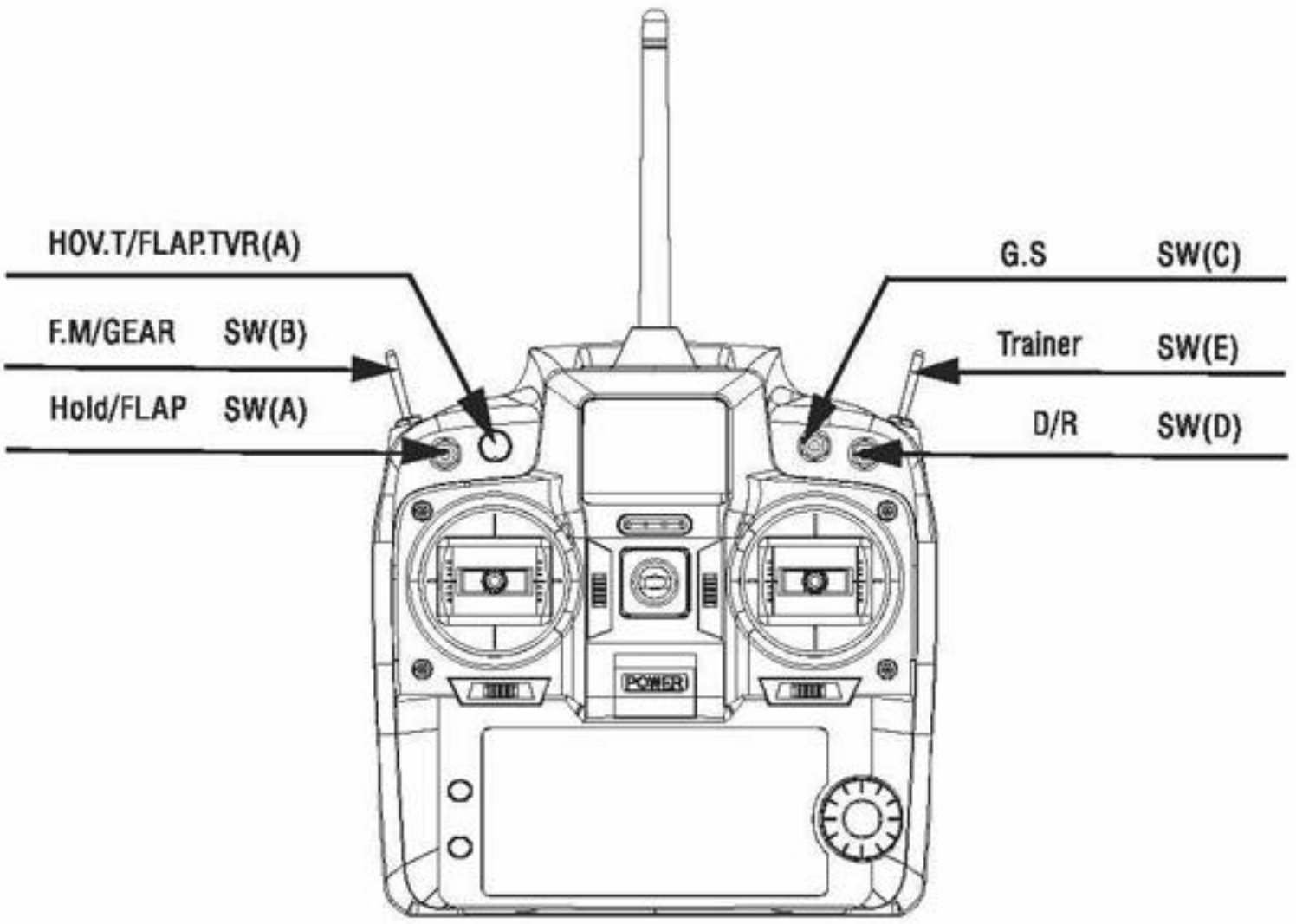
Function Description	Operation Steps	Instruction
There are two rates to choose: fast rate and slow rate.	1、Place TX in stand by status. 2.Press button A for one second, the whole "NOR REV" instruction box and the channel flag "123456" flash simultaneously. 3.Dial the D disc until the numeric area displays "G-S" and flashes. 4、Press A or C, and the three figures identifier will flash. 5、Turn D to adjust current gear speed value (Press A one second to recover it to default) 6、Press C to save data and enter into memory trim setup. 7、Press B to exit after finishing setup.	Turn gear rate adjustment switch (SW(C)) to choose fast or slow rate, in order to set values separately.

Memory trim setup:

Function Description	Operation Steps	Instruction
It can support "Aileron, Elevator, Rudder" three channels trim adjustment, and also correct rudder deviation with memory function.	1、Place TX in stand by status. 2.Press button A for one second, the whole " NOR REV " instruction box and the channel flag "123456" flash together. 3、Turn D until "Aileron, Elevator, Rudder" channel trim circle flash meanwhile. 4.Press button A or C, one single fine-tuning box flashes, and the numeric area displays the memory fine-tuning value of the current channel. 5.Dial the D disc to choose the memory fine-tuning to set the channel. 6.Press the button A or C, one single fine-tuning box and the numeric area flash simultaneously. 7、Turn D to adjust current channel memory trim value (Press A one second to recover it to default) 8、Press C to save data and enter into next search. 9、Press B to exit afer finishing setup.	When choosing channel, numeric display identifier ("f") displays current channel memory trim value for user's convenient search. Setting values of memory trim range from -100% to 100%.

Helicopte Operation Instruction

There are several setting parameters for helicopter: Model No, Model type, Channel reserve, Rudder dual rate, CCPM mix, Operation curve, Memory trim, Throttle hold and so on. Each switch position is illustrated below:



Model No

Function description	Operating steps	Specification
Change the Model No from 0 to 9.	1.Stand by. 2.Press button A+B for one second, character "MODE" and Model No blink simultaneously. 3.Press button A or C, character "MODE "lights constantly, the Model No blinks. 4.Turn the dial plate D to choose the needed Model No. 5.Press button C to save the current Model No, change the model data to the value corresponding to the chosen Model No.Go to the model type setup automatically. 6.Complete the setup and press button B to exit.	When choosing the Model No, the model type will chase the corresponding set value of the chosen No. Only by pressing button C will it work to change the Model No, when choosing the Model No, the Model type will change correspondingly to make the users search conveniently. As the Model No change will influence the whole set parameter, when adjusting the set, users should deal suitably according to the remote object, Advice is that power supply be off to avoid sudden action of the model.

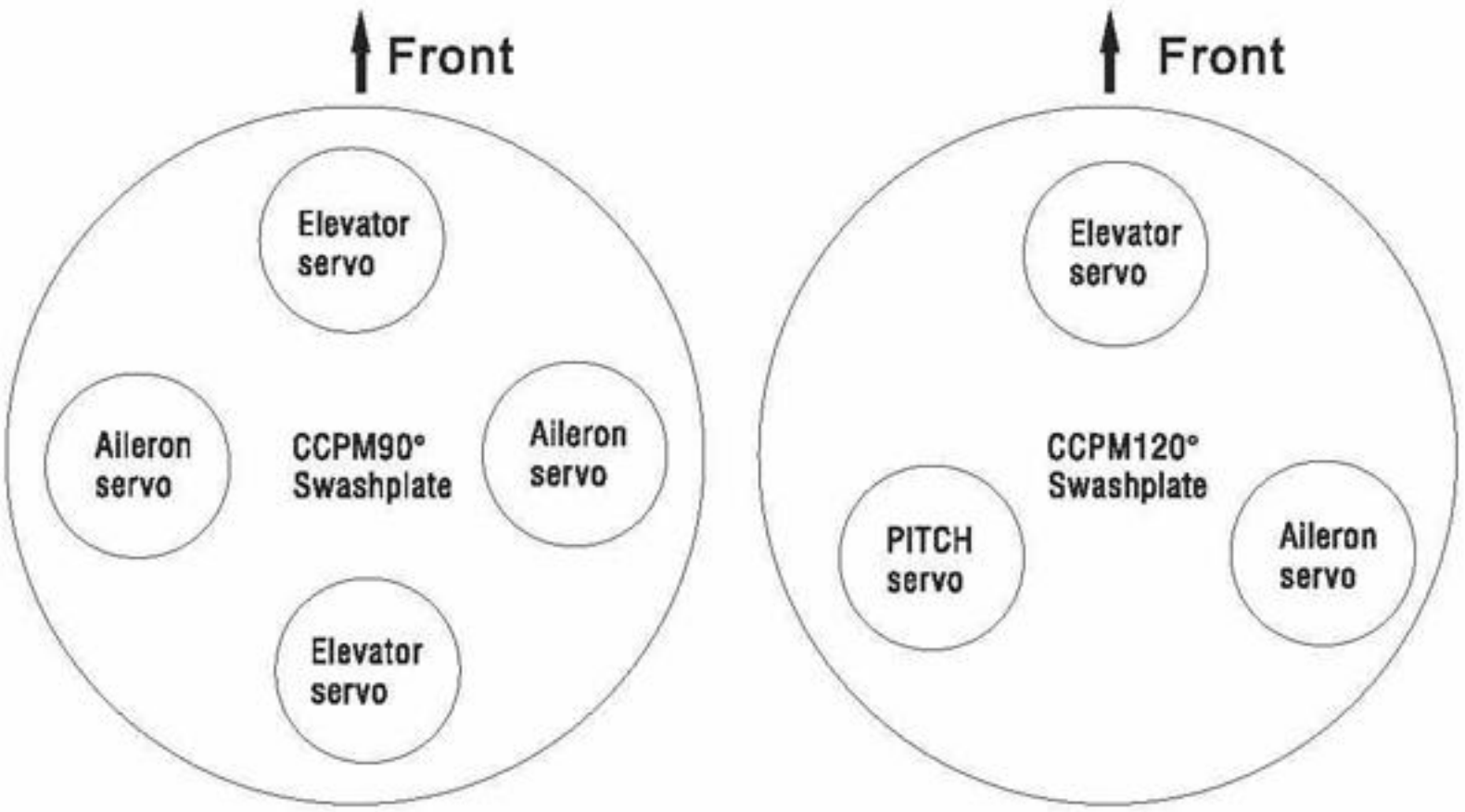
Model type

Function Description	Operation Steps	Instruction
Model type	1、Place TX in stand by status. 2、Press the button "A" + "B" for one second, the "MODE" character and the icon flash simultaneously. 3、Press button A or C, the "MODE" character lights constantly, icon indicating the mode type flashes. 4、Dial the D disc to choose the model type needed. 5、Turn D to choose current model type. 6、Press C to change current model type to selected one, and recover corresponding parameters to default, and then enter into swashplate type setup.	Model type includes two options: for helicopter and for airplane. Alteration of Model type will change all parameters of current model to default. User should be cautious when using this function. If you are uncertain to change Model type, you shouldn't press C to avoid replacing the current parameters by default .If Model type is determinately changed, you'd better to turn on TX again to make sure the data is saved.

Swashplate type

Function Description	Operation Steps	Instruction
The X6 offers two swashplate types: CCPM90° and CCPM120°. Select the swashplate type to match your helicopter.	1、Place TX in stand by status. 2、Press the button "A" + "B" for one second, the "MODE" character and the helicopter model icon flash simultaneously. 3、Dial the D disc, the "MODE" character and the swashplate Icon flash. 4、Press the button A or C, the "MODE" character lights constantly and the swashplate icon flashes. 5、Turn D to choose Swashplate type. 6、Press C to save current Swashplate type and enter into user-defined mix setup. 7、Press B to exit after finishing setup.	There are two swashplate types to choose: CCPM90° and CCPM120°.

CCPM90° Swashplate drives by two or four servos, while CCPM120° Swashplate drives by three servos. The installation position is illustrated below:



Channel Reverse Function

Function Description	Operation Steps	Instruction
Make sure the channel is set up in right position to meet operation requirement according to the installation position of servo.	1、Place TX in stand by status. 2、Press the button A for one second, the whole "NOR REV" Instruction box and channel flag "123456" flash simultaneously. 3、Press button A or C, channel flag "1" flashes. 4、Dial the D disc to choose the channel which needs setting. 5、Press button A or C, the single "NOR REV" flashes. 6、Dial the D disc to choose "NOR" or "REV". 7、Press C to save current channel reverse status and enter into next channel reverse setup. 8、Press B to exit after finishing setup.	When in Channel reverse setting, the data just reflects current setting status, not to save it. You have to press C to save data. When choosing "NOR" or "REV" for each channel, the TX output signal reflects the current setting status in real time. So you must be careful when choosing "NOR" or "REV" for throttle channel. Suggestion is that to avoid the damage caused by the sudden twirling of the propeller. You can set the positive &negative throttle when the main motor is power off or with no Installing of propeller.

CCPM Mix setup:

Function Description	Operation Steps	Instruction
It is to set CCPM120° swashplate mix parameter for helicopter. CCPM90° has no this configuration item for helicopter and airplane.	1、Place TX in stand by status. 2、Press button A for one second, the " NOR REV" instruction box flashes. 3、Dial the D disc until the swashplate icon "123456" flashes. 4、Press the button A or C, the swashplate type tag and one single channel flag flash simultaneously. 5、Dial the D disc to choose the CCPM120 mixing channel. 6、Press button A or C, the swashplate tag、one single channel tag and the numeric area flash simultaneously. 7、Turn D to adjust current channel mix-control volume (press A one second to recover it to default.) 8、Press C to save data and enter into another search. 9、Press B to exit after finishing setup.	When choosing channel, the numeric display identifier ("1") will display current mix-control volume for user's convenient search. When setting mix-control parameter for CCPM120° swashplate, "1" represents Aileron channel, "2" represents Elevator channel, and "3" represents PITCH channel. All the setting parameters are percentage of each channel, and it rangs from -100% to 100%.

Dual Rate Setup:

Function Description	Operation Steps	Instruction
When choosing high-rate or low-rate mode for "AIL", "ELE", "THR" three channels, you can set two values for the control stick's both sides (left/right and up/down) separately to meet the servo trim or operation feeling adjustment.	1.Place TX in stand by status. 2.Press button A for one second, the whole "NOR REV" instruction box and the channel flag "123456" flash simultaneously. 3.Dial the D disc until the big and small rudder value flags (two semiellipse marks) and the channel flag "123456" flash simultaneously. 4.Press button A or C, the big and small rudder value flags (two semiellipse marks) and one channel flag flash simultaneously. 5.Dial the D disc to choose the channel which needs setting. 6.Press button A or C, the big and small rudder value flags (two semiellipse marks). 7、 Turn D to set the rudder value, use D/R switch to choose high-rate mode or low-rate mode, shake the corresponding channel control stick to select rudder value for left, right, upper and under sides. (Press A one second if you want to change Dual Rate Rudder value of left/right or up/down to default.) 8、 Press C to save data and enter into next search. 9、 Press B to exit after finishing setup.	When choosing channel, the numeric display identifier ("f") will display the parameter value of Dual Rate rudder of the current channel. In Dual Rate value setup mode, each channel has four setting parameters which can be changed through D/R switch and each channel's corresponding control stick. The same channel's left and right or upper and lower part parameter is restored synchronization when A is pressing. (Namely restore them to default at the same time). D/R value ranges from -125% to 125%. Note: Negative value indicates that control direction is opposite to the swing direction of control stick.

Wing-mix parameter setup:

Function Description	Operation Steps	Instruction
It provides three kinds of general wing-mix parameters setup and asymmetric value setup of lefe/right or up/down side of control stick for airplane.	1、Place TX in stand by status. 2、Press button A for one second, the whole " NOR REV" and the channel flag "123456" flash together. 3、Turn D until "MIX" and channel identifier "123456" flash together. 4、Press A or C, and "MIX" will flash while "123456" disappear. (if this parameter has been set before, it will display last wing type) 5、Turn D to choose wing-mix type. 6、Press A or C, "MIX", current mix mode and single channel will flash meanwhile. 7、Turn D to choose main channel or sub channel. 8、Press A or C, "MIX", current mix mode, current mix channel block and time display identifier ("f") will flash meanwhile. 9、Turn D to set wing-mix value, use corresponding control stick to change parameter of left/right or up/down parts. (Press A one second to recover it to default.) 10、Press C to save data and enter into next search. 11、Press B to exit afer finishing setup.	when there is no display in the channel flag area, it means "non-airfoil mixing control" When displaying "1",it means ATS. Mix (the same with page 9 picture A.B) When choosing channel, time display identifier ("f") displays current channel's wing-mix parameter value for users' convenient search. Use corresponding control stick of each channel to change parameter of left/right or up/down parts in wing-mix setup. Corresponding channel parameter of left/right or up/down parts is restored synchronization when A is pressing. (Namely restore them to the default at the same time). When "MIX " is flashing and "123456" disappears, press C to cancel the setting value of wing-mix.

Wing-mix setting parameter range is from -100% to 100%. Negative value represents that control direction is opposite to the direction of control stick. Wing-mix setup changes according to different model type, as illustration below:

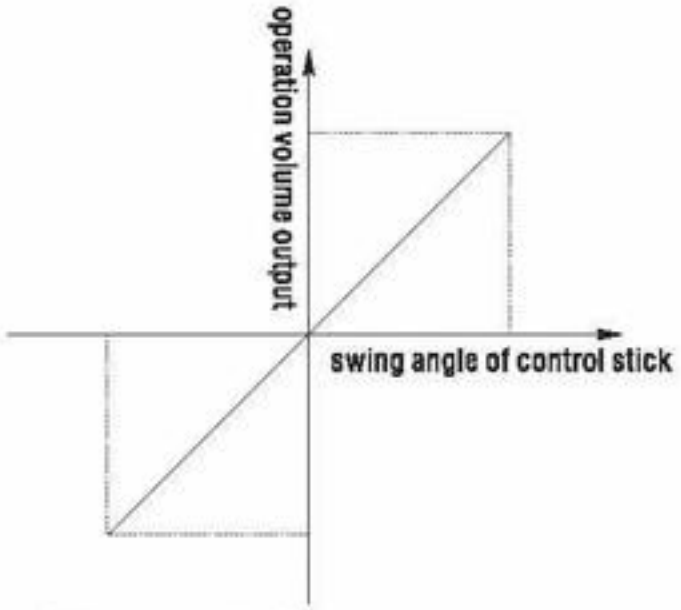
Helicopter	1	A mix-control block	Throttle channel	for ATS Mix of helicopter
		B mix-control block	Rudder channel	

1, 2, 3 in the above form represent mix-control type, you can find them in the channel identifier "123456" in LCD, A mix-control block is the upper channel identifier ("a"), while B mix-control block is the nether part ("b"). You should choose model type before setting up this configuration item. When choosing wing-mix type, none of 1, 2, 3 displays on LCD means wing-mix is not set up. And it only displays current wing-mix type in stand by status. With TX in stand by status, if channel identifier ("b") displays nothing, that means no wing-mix is set up; if one of 1, 2, 3 displays on LCD, that means wing-mix is set up.

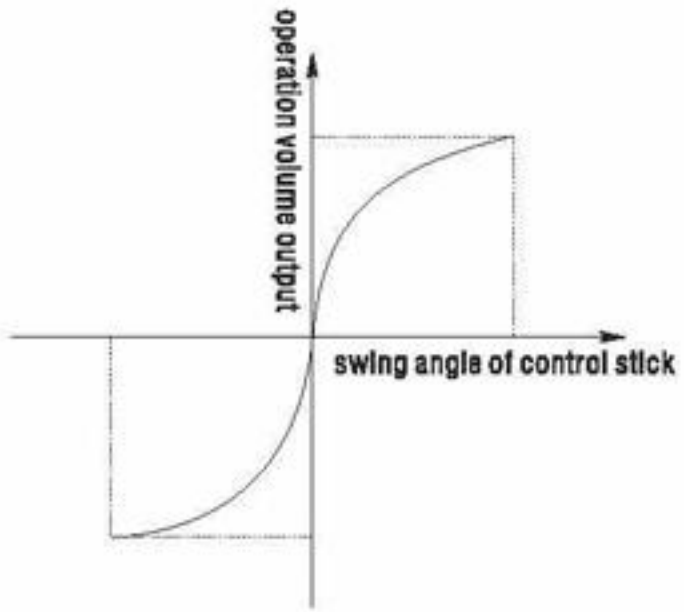
Operation curve setup

Function Description	Operation Steps	Instruction
It provides operation curve setup and can improve operation feeling. And it can also adjust positive and negative Index curve for Alleron, Elevator, Rudder three channels, and Five subsection curve for Throttle channel.	1、Place TX in stand by status. 2、Press button A for one second, the whole "NOR REV" instruction box and the channel flag "123456" flash together. 3、Dial the D disc until the channel flag "123456" flashes. 4、Press button A or C, one single current channel flag flashes. 5、Dial the D disc to choose the operating curve to set the channels. 6、Press A or C, current channel identifier and the first three figures of time display identifier ("f") will flash meanwhile, while the last figure of it displays "E". 7、Turn D to set operation curve value (Press A one second to recover it to default) 8、Press C to save data and enter into next search. 9、Press B to exit afer finishing setup.	When choosing channel, numeric display identifier ("f") displays current channel operation curve value, and end up with "E". Positive value of operation index curve indicates that middle control surface changes fast while both ends change slowly. And the effect is opposite when the value is negative.

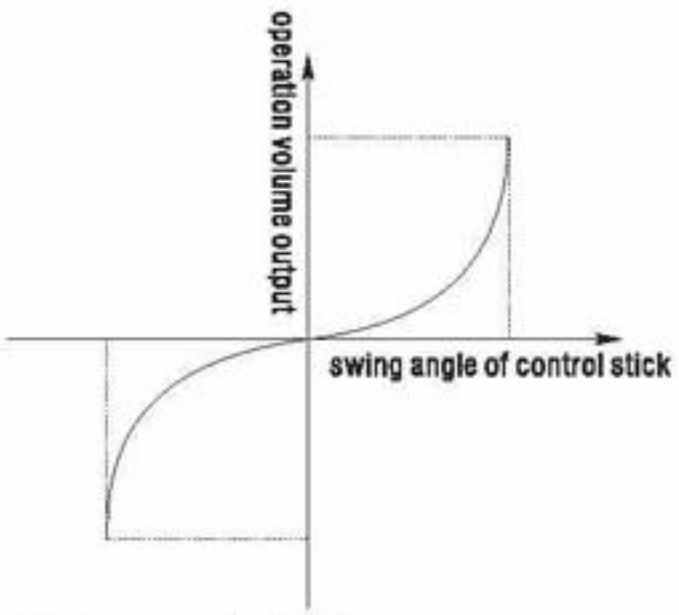
Index curve value ranges from -80% to 80%. The corresponding relationship between index curve and operation volume output is illustrated below:



■ index curve value is 0.



■ index curve value is 60.



■ index curve value is -60.

Five subsection curve setup of throttle and PITCH channel

Function Description	Operation Steps	Instruction
It is process of Five subsection curve setup for throttle and PITCH channel.	1.Standby 2.Press button A for one second, the whole " NOR REV" instruction box and the channel flag "123456" flash simultaneously. 3.Dial the D disc until the channel flag "123456" flashes. 4.Press button A or C, the channel flag "1" flashes. 5.Dial the D disc to choose the operating curve to set the channel, the numeric area display "dot" . 6.Press button A or C, the flag "3" and the current point flag (the channel flag means the point location) flash. 7. Dial the D disc to choose the operating curve's point location. 8.Press button A or C, the current point location flag (the channel flag means the point location) and the back of the numeric area flash simultaneously. 9、Turn D to set up current dot position value of operation curve. (Press A one second to recover current five dot position values to default). 10、Press C to save data and enter into next search. 11、Press B to exit after finishing setup.	When cursor moves to "3", numeric display identifier("f") display "dot", which means the channel is 5dot operation curve. When choosing curve dot, time display identifier ("f") displays current curve dot values, starting with "d" for user's convenient search. The last figure of numeric display identifier ("f") displays "E" when set up parameter value for operation curve of control stick, while the first figure of it displays "d" when set up parameter value for throttle curve. It is convenient for user to distinguish. Setting values of throttle curve range from 0% to 100%.

Operation example

The process of setting operation curve of elevator channel as positive value 25% is as follows:

Function Description	Operation Steps	Instruction
It is the process of setting operation curve of elevator channel as positive value 25%.	1.Standby. 2.Press button A for one second, the whole "NOR REV" Instruction box and the channel flag "123456" flash together. 3.Dial the D disc until the channel flag "123456" flashes. 4.Press button A or C, channel flag "1" flashes. 5.Dial the D disc to choose the operating curve to set the channel, channel flag "2" flashes, and the numeric area display "dot" . 6.Press button A or C, channel flag "2" and the numeric area flash.	When choosing channel, numeric display identifier ("f") displays current channel operation curve value, ending up with "E" for user's convenient search. Positive value of operation index curve indicates that middle control surface changes fast while both ends change slowly. And the effect is opposite when the value is negative.

Function Description	Operation Steps	Instruction
	7、Turn D to set up operation curve value as 25. 8、Press C to save data and enter into next search. 9、Press B to exit after finishing setup.	

The setup of normal PITCH curve and 3D curve is different. Throttle hold switch must be on when sets 3D PITCH curve. The process of 3D PITCH curve setup is as follows:

The first dot value: 30%
The second dot value: 35%
The third dot value: 40%
The fourth dot value: 45%
The fifth dot value: 52%

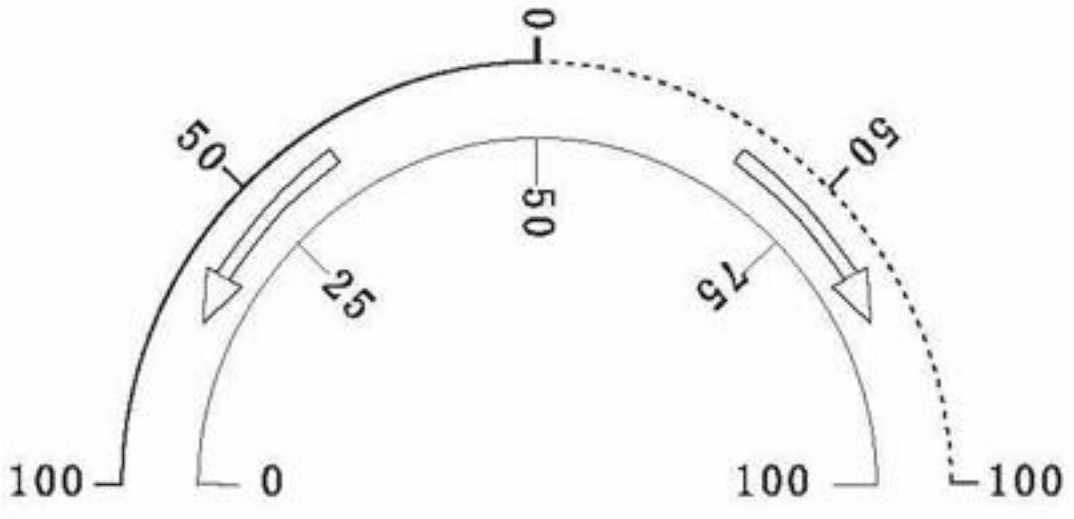
Place throttle hold switch in on status, and then operate as follows:

Function Description	Operation Steps	Instruction
It is the process of setting operation curve value of elevator channel as 25%.	1、Place TX in stand by status. 2.Press button A for one second, the whole "NOR REV" instruction box and the channel flag "123456" flash together. 3.Dial the D disc until the channel flag "123456" flashes. 4.Press button A or C, channel flag "1" flashes. 5.Dial the D disc to choose the PITCH channel, channel flag "6" flashes and the numeric area display "dot". 6.Press button A or C, channel flag "1" flashes. 7.Press the button A or C, channel flag "1" and the last three of the numeric area flash simultaneously. 8、Turn D to set up current dot value as 030. 9、Press C, channel identifier "2" will flash.	When cursor moves to "6", numeric display identifier ("f") display "dot", which means the channel is 5dot operation curve. When choosing curve dot, numeric display identifier ("f") displays current curve dot values, starting with "d" for user's convenient search. The last figure of numeric display identifier ("f") displays "E" when set up parameter value for operation curve of control stick, while the first figure of it displays "d" when set up parameter value for throttle curve. It is convenient for user to distinguish.

Function Description	Operation Steps	Instruction
	10.Press button A or C, channel flag "2" and the last three of the numeric area flash simultaneously. 11.Dial the D disc to set the parameter value of the operating curve's current point as 035. 12. Press button C, channel flag "3" flashes. 13.Press the button A or C, channel flag "3" and the last three of the numeric area flash. 14.Dial the D disc to set the parameter value of the current point of the operating curve as 040. 15.Press button C, channel flag "4" flashes. 16.Press the button A or C, channel flag "4" and the last three of the numeric area flash simultaneously. 17.Dial the D disc to set the parameter value of the current point of the operating curve as 045. 18.Press button C, channel flag "5" flashes. 19. Press the button A or C, channel flag "5" and the last three of the numeric area flash simultaneously. 20.Dial the D disc to set the parameter value of the current point for the operating curve as 052. 21、Press C to save data. 22、Press B twice to exit after finishing setup.	

Gyro sensitivity setup:

Sensitivity values and Gyro status are illustrated below:



In the picture, the continuous thin line means the set value, the chain line and the heavy line mean the corresponding sensitivity value, the chain line means the sensitivity in the lock mode, while the heavy line means the sensitivity in the none-locking mode.

Function Description	Operation Steps	Instruction
This function supports the user to set sensitivity value of gyro.	1、Place TX In stand by status. 2、Press button A for one second, the whole "NOR REV" Instruction box flashes. 3、Turn D until numeric display identifier ("1") displays "G-S" and flash. 4、Press A or C and the "three figures" will flash. 5、Press D to adjust the current sensitivity value. (Press A to restore it to default.) 6、Press C to save data and enter into Memory trim setup. 7、Press B to exit after finishing setup.	Press the Flap/Gyro button to choose Lock Tai/Non-lock Tail type, so as to set the value separately.

Memory trim setup:

Function Description	Operation Steps	Instruction
It can support "Aileron, Elevator, Rudder" three channels trim adjustment, and also correct rudder deviation with memory function.	1、Place TX in stand by status. 2、Press button A for one second, the whole "NOR REV" instruction box flashes. 3、Dial the D disc until the fine-tuning boxes of the three channels "Ailerons"、"Elevating"、"Directing" flash simultaneously. 4、Press button A or C, the fine-tuning box of one single channel flashes, and the numeric area displays the memory fine-tuning value for the current channel. 5、Dial the D disc to choose memory fine-tuning to set the channel. 6、Press the button A or C, the fine-tuning box for the single channel and the numeric area flash simultaneously. 7、Turn D to adjust current channel memory trim value (Press A one second to recover it to default) 8、Press C to save data and enter into next search. 9、Press B to exit afer finishing setup.	When choosing channel, numeric display identifier ("f") displays current channel memory trim value for user's convenient search. Setting values of memory trim range from -100% to 100%.

Throttle hold setup:

Function Description	Operation Steps	Instruction
You can set throttle hold value according to your requirement, and the value is percentage of throttle, which ranges from 0 to 100%.	1、Stand by. 2、Press button A for one second, the whole "NOR REV" instruction box flash. 3、Dial the D disc until the numeric area flashes. The numeric area displays "TH" and flashes. 4、Press button A or C, the numeric area flashes. 5、Turn D to set throttle hold value (Press A one second to recover current throttle hold value to default) 6、Press button C, save the data, and then go on with the next setting. 7、Press B to exit afer finishing serup.	Pay attention to the display status (flash or solid) of the first figure ofnumericdisplay identifier ("1"), it can help you to distinguish menu level. It can also to set throttle speed.

Other Function Instruction

Transmitting power setup:

Function Description	Operation Steps	Instruction
It is to adjust transmitting power and range test the X6.	1、Place TX in stand by status. 2、Press the button A + B for one second, the "MODE" character and the mode legend icon flash simultaneously. 3、Dial the D disc until the numeric area displays "P-H" and flashes. 4、Press the button A or C, the first two in the numeric area displays "P-" ,and the last one displays the current power status and flashes. 5、Turen D to choose "H" or "L" for throttle. 6、Press C to change transmitting output power. 7、Press B to exit after finishing setup.	When setting transmitting power, the last two figures of numericdisplay identifier ("1") display "H" or "L". "H" represents full power output. "L" represents minimum power output. If you chose "L", it will raise the alarm. It can only be used to test channel, and not for flight. And it is set in "H" automatically everytime you turn on TX.

Note: With miniwat status, you can test your transmitter in a short distance, which is to use a relevant short distance to simulate an actual long distance in proportion. As 2.4GHz high frequency signal is easy to be impacted by surrounding, so you can perform a simulated proportional test in advance to make sure the control distance in normal miniwat status. For example, in an open wide area, the control distance is perhaps 30 meters, while it is perhaps 6 meters in complex electromagnetic environment in house. And then you can test your transmitter according to this information.

How to range test the J6:
1.With the model on and resting on the ground, stand 30 paces (approx. 90 feet) away from the model.
2.Face the model with the transmitter in your normal flying position. Place the transmitter in the range test screen and pull and hold the trainer switch on the top of the transmitter. This causes reduced power output from the transmitter.
3.You should have total control of the model with the trainer switch pulled at 30 paces (90 feet).

Inner data copy

Function description	Operating steps	Specification
This function can help the users to manage the data more conveniently, the new model with similar parameter can be set quickly with the use the inner data copy function.	1.Stand by, Press button A+B for one second, Character "MODE" and the Model No blink simultaneously. 2.Press button A or C, the current Model No blinks in the data area , 3.Turn the dial plate D until character "MODE"and "CP" in the data area blink. 4.Press button A or C, there are two groups of data in the data area,The front Model No displaying the sent data blink ; Turn the dial plate D to choose the Model No for the data needing to be sent. Press button A or C to confirm. 5.At this time, there are two groups of data in the data area. The back Model No displaying the received data blink; Turn the dial plate D to choose the Model No of the data to be received. 6.Press button C, the inner data copy is completed, set the current Model No as the received data No. 9. The set is completed, press button B to exit.	The front part in the LCD data area displays the sent data No, the back part displays the received data No. Press button A, the chosen No default as o. The model No means the operating data area.C.0~9

3D switch safety protection

Function Description

It is to give protection and correcting prompts for user's misoperation.

Operation Instruction

If you turn on transmitter with 3D switch on, and then LCD will display "3d" and flashes, buzzer sends interval noise. Then you have to pull 3D switch to normal status (pull the stick backward) before using.

Throttle hold switch safety protection

Function Description

It is to give protection and correcting prompts for user's misoperation.

Operation Instruction

With the remote control running, if the throttle hold is on, and then LCD will display "HOLD" and flashes, buzzer sends interval noise. Then you have to pull throttle hold switch to normal status (pull the stick backward) before using.

Binding with receiver:

Function Description

It is used for establishing communication between transmitter and receiver. It is required to do the binding when you use a receiver for the first time. It's better to keep the transmitter within 0.5 meters away from the receiver to avoid any influences to other transmitters during the binding.

Operation Instruction

1. First turn on the coach switch, power on the remote control and codethe remote control , at this time, the LCD of the remote control displays "S-H" and flashes, the buzzer makes a gapped sound.
2. Power on the receiver, the indicator light of the receiver flashes intermittently.
3. Press the coding button, the indicator light of the receiver flashes fast and gets into the coding status.
4. The indicator light of the receiver shines constantly, the remote control gets into the standby status, the LCD displays the general information, until this time the coding is successful. During the coding, you can also give up the coding operating by turning off the remote control.

Switch from mode 1 to mode 2

The TX adopts One Button switchover from mode 1 to mode 2. Remove the cover on the back of TX, and push the stick from one side to another, and then turn on the power again to achieve the switchover from mode1 and mode2. After that, all the functions of mode 1 and mode 2 are changed, including throttle and elevator stick position, the operation feeling of that two sticks, and corresponding trim and mix-control setup. The LCD will display "MODE 1" in Right hand mode, while display "MODE 2" in Left hand mode.

Note:

1.Always push the stick to an extreme position (upper end is MODE 1, underneath is MODE 2), do not leave some obvious space.
2.Always switch from mode 1 to mode 2 in the power off status of TX.
3.Replace the cover timely to avoid switching the stick by mistake.

Power saving control

The TX will automatically enter into proper power saving mode if there is no operation in a long time. LCD backlight will be off if there is no operation within 30 seconds, and TX will enter into dormant state if there is no operation of control stick within 5 minutes.
The TX battery voltage adopts simulate display. When TX sends low voltage alarm and battery voltage instruction box is flashing, please replace the battery timely to avoid remote control failure.

Control stick correction

Function Description

The program can correct the installation error, and improve the operation feeling and smoothness. The operation is always required in initial installation or change potentiometer of control stick.

Operation Instruction

In stand by status, press A, B, C together for 2 seconds, and then enter into control stick correction setup. Turn the control stick of each channel with full circle. When the previous setup is finished, push each control stick back to the middle position (including the throttle stick) and then press B to quit the correction status. If the correction is not needed, just keep the control stick still within five seconds after entering control stick correction setup, and then TX will quit automatically and still keep former parameters.

Factory Reset

Function Description

It can give a quick Factory Reset when the parameters are chaotic.

Operation Instruction

When TX is power off, push A, B, C together and then turn on the power, it will enter into Factory Reset interface, LCD displays "RST" and flashes meanwhile, release the buttons and Factory Reset will be completed.

Wire Trainner function

Function Description

It is to Trainner with wire in terrible signal interference status.

Operation Instruction

The operation is as follows:
First, turn on the trainee TX, and insert the coach line.
Second, insert another side of coach line into the trainer TX after the trainee one operating normally.
Third, turn on the trainer TX, and then it will display the trainee TX identifier on LCD of the trainer TX.
Fourth, pull the trainer switch to leave trainee TX operate itself while release it to operate by trainer one.
Make sure to have the trainer TX bound with the receiver before operating.

If there are many remote control equipments working at the same time, please do as the following operation: turn on the power of TX before receiver is connected with power, and make sure the TX is more than 1m away from the receiver (close proximity is unfavorable). Make the receiver connected with power, and to test whether the movement of each direction is correct and fluent when the receiver responds to TX. If the movement is not fluent, please turn on the power of TX again, and the TX will re-choose idle channel to communicate. (This operation should be completed about 1m away from the receiver without power.)

Reset data

Press A, B, C together and turn on transmitter meanwhile, you can reset parameters of the first three model type to default, as follows:

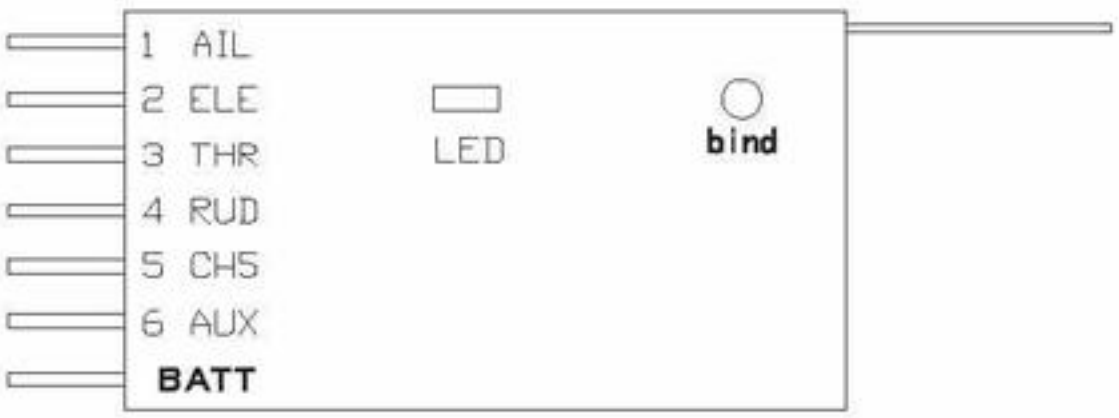
Model type	non-mix airplane			
D/R	Aileron channel	high-rate mode	left	100%
			right	100%
		low-rate mode	left	80%
			right	80%
	Elevator channel	high-rate mode	left	100%
			right	100%
		low-rate mode	left	80%
			right	80%
	Rudder channel	high-rate mode	left	100%
			right	100%
		low-rate mode	left	80%
			right	80%

Model type	non-mix airplane			
Operation curve	Aileron channel	E 0		
	Elevator channel	E 0		
	Rudder channel	E 0		
	Throttle curve	Normal mode	the first dot value	0%
			the second dot value	25%
			the third dot value	50%
			the fourth dot value	75%
			the fifth dot value	100%
Trim	Aileron channel	0		
	Elevator channel	0		
	Throttle curve	0		
	Rudder channel	0		
Memory trim	Aileron channel	0		
	Elevator channel	0		
	Throttle curve	0		

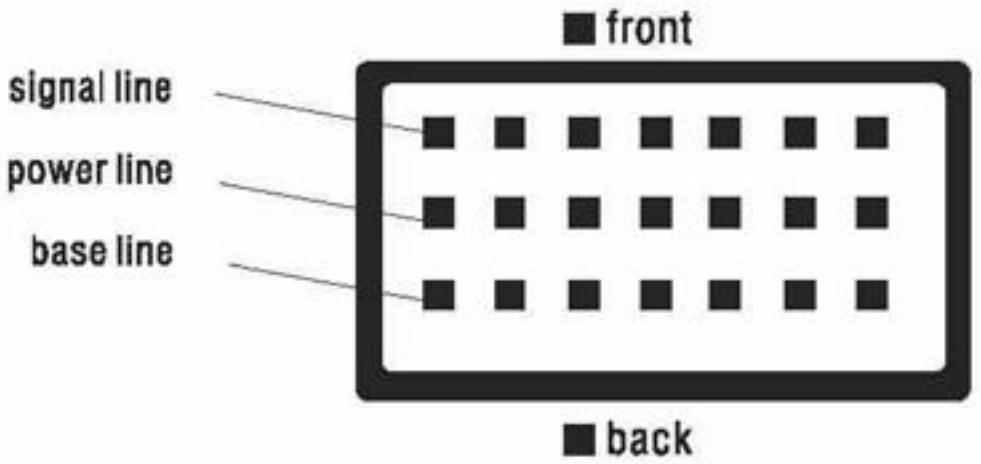
Gear speed	slow speed	25%		
	fast speed	75%		
wing mix	OFF	mix-channel A	left	80%
			right	80%
		mix-channel B	left	80%
			right	80%

Receiver Instruction

The TX is equipped with high-performance six-channel receiver, the channels permutation of receiver is illustrated below.



■ receiver front view



The front is with LED indicator light.

As illustration, "1 AIL" represents aileron channel, "2 ELE" represents elevator channel, "3 THR" represents throttle channel, "4 RUD" represents rudder channel, "5 CH5" represents landing gear/sensitivity channel, "6 AUX" represents PITCH /flap channel, "BIND" represents binding/power faucet. The LED indicator light displays the receiver status.

Turn on the power of TX first, and make the receiver connected with power, LED will go solid bright when the receiver starts to work. If there is no signal from TX within 2 seconds, the receiver will output signal as illustration below, and then returns to signal search status with LED flashing fast.

AIL	aileron	1500±20us
ELE	elevator	1500±20us
THR	throttle	1000±20us
RUD	rudder	1500±20us
CH5	channel 5	1500±20us
AUX	channel 6	1500±20us

If there are many remote control equipments working at the same time, please do as the following operation: turn on the power of TX before receiver is connected with power, and make sure the TX is more than 0.6m away from the receiver (close proximity is unfavorable). Make the receiver connected with power, and enlarge the distance (about 1m to 2m) of TX and the receiver to test whether the movement of each direction is correct and fluent when the receiver responds to TX. If the movement is not fluent, please turn on the power of TX again, and the TX will re-choose idle channel to communicate. (This operation should be completed about 1.5m away from the receiver without power.)

Statement:

There is no further notice if any modification of technical specifications. Nine Eagles exempts from liability of the damage results from possible mistakes in the manual.

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