





### Warning

NE-T007 2.4GHz transmitter is not a toy. To ensure your safety, children under 14 years old are strictly forbidden from operating it.

It uses 8 AA NiMH batteries, 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.

### FCC INFORMATION AND WARNING

#### Caution:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's.

#### Compliance statement:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation.

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 communication. 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:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and receiver.
- 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4) Consult the dealer or an experienced radio/TV technician for help.

### 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.

# Catalogue

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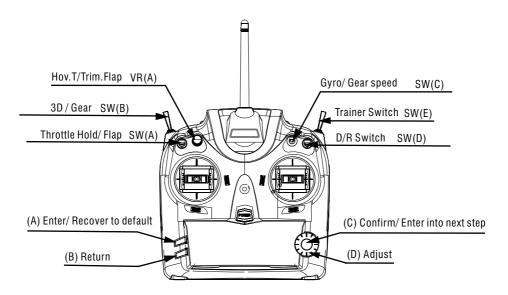


# **Summarize**

The TX can control helicopter、airplane and glider, and adjust flight parameters. It employs advanced 2.4G DSSS (2.4G 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

Battery type: AM3 AA 1.5V 8 cells
 Working voltage range: 8.5-13V
 Working current: 200-250mA
 TX transmitting power: +14dBm



Note: All the switchs and knob function differently in different model type, the function description before "/" is for helicopter while that after "/" is for airplane.

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.

The TX employs high resolution and subsection LCD screen as user interface. 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 the following parts according to the menu design structure.

a: main channel mix identifier

b: channel identifier

c: sub-channel mix identifier

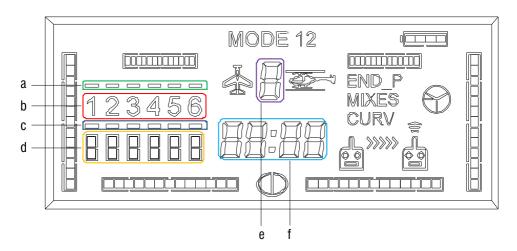
d: channel reversed setting identifier

e: model number identifier

f: value and time display

For further convenient operation, we replace the six identifiers by a, b, c, d, e, and f thereinafter.

#### The corresponding location is illustrated below:



<sup>&</sup>quot;END-P" represents Rudder Dual Rate parameter, and it will flash when sets the parameter while go solid if the parameter is not default in stand by status.

<sup>&</sup>quot;MIXES" represents mix identifier, it will flash when sets it while go solid if there is mix-control activate in stand by status.

# X6

### Operation and Instruction of 6-channel TX

"CURV" represents operation curve of control stick, it will flash when sets it while go solid if the curve is not default 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.

Value and time display area (circle in blue) is multipurpose: (1) it displays current throttle volume when timer is off and in stand by status; (2) it displays each channel's trim value when adjusting each channel; (3) it displays current time when timer is on.

In stand by status the circle in red "channel identifier" displays ON/OFF status of wing-mix. And it displays each channel's position or curve dot position when users enter into menu adjustment. "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
	Channel Reverse Function	P7
	Dual Rate Set	P8
	General Wing-mix ( $\triangle$ type, V type, flap/aileron type)	P8
General parameter	Operation curve and throttle curve setup	P11
	Gear speed	P13
	Memory trim	P14
	Timer	P14
	Model number	P5
	Model type	P6
	User-defined mix	P6
Advanced	Transmitting power	P28
parameter	Wireless Trainner	P28
	Wireless copy	P30
	Internal data copy	P30



### Helicopter

	Function	page
	Channel Reverse Function	P18
	Dual Rate Set	P19
	CCPM mix setup	P19
General parameter	General wing-mix (ATS. Mix)	P20
	Operation curve and throttle curve setup	P22
	Gyro sensitivity setup	P25
	Throttle hold function	P27
	Memory trim	P26
	Timer	P27
	Model number	P15
Advanced	Model type	P16
parameter	Swashplate type	P16
	User-defined mix	P17
	Transmitting power	P28
	Wireless Trainner	P28
	Wireless copy	P30
	Internal date copy	P30

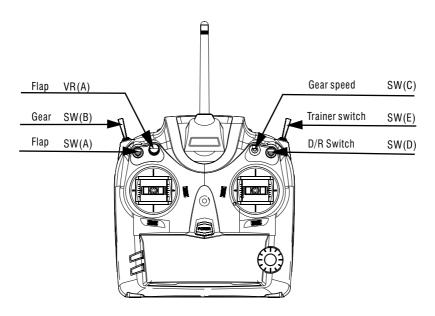
### **Special Function**

Function	page
3D switch safety protection	P31
Throttle hold switch safety protection	P31
Quick zero clearing and reset of timer	P31
Quick switchover of operation mode	P32
Power saving management	P32
Communication protocol choice	P33
Control stick correction	P33
All parameters recover to default	P33
Wire Trainner function	P28

### **Airplane Operation Instruction**

There are several setting parameters for airplane: Model number, Model type, Channel reserve, Dual Rate Set, Wing-mix, Operation curve, Memory trim, Flight timer, User-defined mix and so on. Each switch position is illustrated below:





# Model number setup

Function Description	Operation Steps	Instruction
It can be changed from 0 to 9.	<ol> <li>Place TX in stand by status.</li> <li>Press A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile.</li> <li>Press A or C, and "MODE" will go solid while model number identifier ("e") flash.</li> <li>Turn D to choose current model number.</li> <li>Press C to save it and then enter into model type setup automatically.</li> <li>Press B to exit after finishing setup.</li> </ol>	Model type will change with corresponding setting values of the selected model number in real time. It is required to press C to save value when changing model number. And model type will change with model number for user's convenient search. Alteration of model number will affect the whole setting parameters, so we suggest that deal with this configuration item according to current controlled model, and make sure the model is power off to avoid sudden movement of it.



# Model type setup

Function Description	Operation Steps	Instruction
It offers two options: Airplane and Helicopter.	<ol> <li>Place TX in stand by status.</li> <li>Press A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile.</li> <li>Turn D until "MODE" and model type identifier flash meanwhile.</li> <li>Press A or C, "MODE" will go solid while model type identifier flash.</li> <li>Turn D to choose current model type.</li> <li>Press C to change current model type to selected one, and recover corresponding parameters to default, and then enter into user-defined mix setup.</li> <li>Press B to exit after finishing setup.</li> </ol>	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.

# User-defined mix setup

Function Description	Operation Steps	Instruction
It provides a group of free mix control modes to meet users' different needs. And it can also be set up for up/down, left/right asymmetric mix control mode, oneway mix and twoway mix control mode.	<ol> <li>Place TX in stand by status.</li> <li>Press A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile.</li> <li>Turn D until "MIXES" and main/sub channel identifier ("a" and "c") flash together.</li> <li>Press A or C, "MIXES" and single channel identifier ("a" or "c") will flash meanwhile.</li> <li>Turn D to choose the main channel or sub channel to be set up.</li> <li>Press A or C, "MIXES" and single channel identifier ("a" or "c") will flash meanwhile. (if this mix parameter has been set up before, "MIXES" and that channel identifier will flash meanwhile)</li> <li>Turn D to choose channel number to be set up.</li> <li>Press A or C, "MIXES", single channel identifier ("a" or "c") and time display identifier ("f") will flash meanwhile.</li> </ol>	If the whole channel identifier ("a" and "c") flash together when choosing channel position, that means it is not selected. And if neither main channel nor sub channel position is selected, pressing A or C will not enter into next operation with the cursor moving between "a" and "c", and time display identifier ("f") displays current corresponding mix control volume.  Use corresponding control stick of each channel to change parameter of left/right or up/down parts in user-defiend mix setup.



Function Description	Operation Steps	Instruction
	9. Turn D to set user-defined mix value, set left/right or up/down parts parameter according to corresponding control stick's switchover. (Press A one second if you want to recover it to default.) 10. Press C, "MIXES", another single channel identifier ("a"or "c"), time display identifier ("f") will flash meanwhile. (if this mix parameter has been set up before, "MIXES" and that channel identifier will flash meanwhile) 11. Turn D to choose channel number to be set up. 12. Press A or C, "MIXES", single channel identifier ("a"or "c") and time display identifier ("f") will flash meanwhile. 13. Turn D to set user-defined mix value, set left/right or up/down parts parameter according to corresponding control stick's switchover. (Press A one second if you want to recover it to default.) 14. Press C to save data and enter into another search. 15. Press B to exit after finishing setup.	Corresponding channe parameter of left/right o up/down parts is restored synchronization when A is pressing. (Namely restore them to default at the same time). User-defined mix will be completed only with intac setting parameter, which means if either main channel or sut channel is not set mix parameter use-defined mix will be cancelled. One-way mix mode is that only one channel will change with the other channel's movement. Two way mix mode is that both channels will change each othe with the other's movement Asymmetric mix mode is that both channels can mix control ir left/right or up/down parts. User-defined mix setting parameters rang from -100% to 100%. When "MIXES" and single channel identifier flash together press C to cancel the setting value or to exit this setup.

### **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.	<ol> <li>Place TX in stand by status.</li> <li>Press A one second and channel reversed setting identifier ("d") will flash.</li> <li>Press A or C, sigle channel reverse identifier will flash.</li> <li>Turn D to choose the channel to be set up.</li> <li>Press A or C, single channel reverse identifier will flash.</li> <li>Turn D to choose "NOR" or "REV".</li> <li>Press C to save current channel reverse status and enter into next channel reverse setup.</li> <li>Press B to exit after finishing setup.</li> </ol>	When setting Channel reverse, 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:**

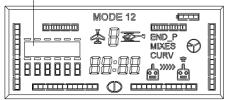
Function Description	Operation Steps	Instruction
When choosing high-rate or low-rate mode for "AIL", "ELE", "THR" three channels, you can set two values for the control stick's both sides (left/right and up/down) separately to meet the servo trim or operation feeling adjustment.	<ol> <li>Place TX in stand by status.</li> <li>Press A one second and channel reversed setting identifier ("d") will flash.</li> <li>Turn D until "END-P" and channel identifier "123456" flash meanwhile.</li> <li>Press A or C, "END-P" and single channel identifier will flash meanwhile.</li> <li>Turn D to choose the channel to be set up.</li> <li>Press A or C, "END-P", current channel identifier and time display identifier ("f") will flash meanwhile.</li> <li>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.)</li> <li>Press C to save data and enter into next search.</li> <li>Press B to exit after finishing setup.</li> </ol>	When choosing channel, the time display identifier ("f") will display the parameter value of Dual Rate rudder of the current channel.  In Rudder 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. While provides ATS. Mix	1. Place TX in stand by status. 2. Press A one second and channel reversed setting identifier ("d") will flash. 3. Turn D until "MIXES" and channel identifier "123456" flash together. 4. Press A or C, and "MIXES" 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, "MIXES", current mix mode and single channel identifier will flash meanwhile. 7. Turn D to choose main channel or sub channel.	"" represents no wing-mix. (shown as picture A below)  "1" represents \( \times \) type wing-mix (shown as picture B below)  "2" represents V type wing-mix.  "3" represents Flap/Aileron wing-mix. When choosing channel, time display identifier ("f") displays current channel's wing-mix parameter value for users' convenient search.

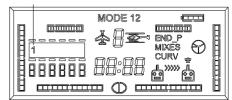


#### No wing mix



#### pictureA

#### △type wing-mix



pictureB

Function Description	Operation Steps	Instruction
	8. Press A or C, "MIXES", current mix mode, current mix channel identifier 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.	channel to change parameter of left/right

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:

4	4	A mix-control block	Aileron channel	for A shane wing model
	ı	B mix-control block	Elevator channel	for △shape wing model
	•	A mix-control block	Elevator channel	for V shape wing model
Airplane _	2	B mix-control block	Rudder channel	
	3	A mix-control block	Aileron channel	
		B mix-control block	Flap channel	
Helicopter	1	A mix-control block	Throttle channel	for ATO Min of holiconton
		B mix-control block	Rudder channel	for ATS Mix of helicopter

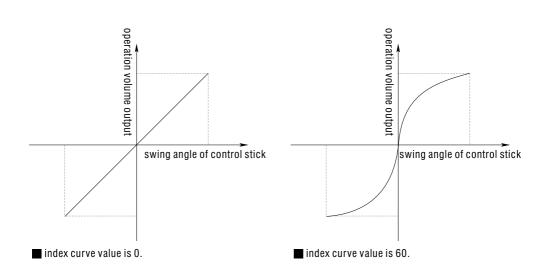
1, 2, 3 in the above form represent mix-control type, you can find them in the channel identifier "123456" in LCD, A mix-control block is the upper channel identifier ("a"), while B mix-control block is the nether part ("b"). You should choose model type before setting up this configuration item. When 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.



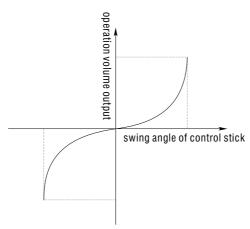
### Operation curve setup:

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 Aileron, Elevator, Rudder three channels, and Five subsection curve for throttle channel.	1. Place TX in stand by status. 2. Press A one second and channel reversed setting identifier ("d") will flash. 3. Turn D until "CURV" and channel identifier "123456" flash meanwhile. 4. Press A or C, "CURV" and current channel identifier will flash meanwhile. 5. Turn D to choose operation curve to set up for each channel. 6. Press A or C, "CURV", 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 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, time 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 -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 A one second and channel reversed setting identifier ("d") will flash. 3. Turn D until "CURV" and channel identifier "123456" flash meanwhile. 4. Press A or C, "CURV" and current channel identifier will flash meanwhile, while the last figure of time display identifier ("f") display "E". 5. Turn D to choose channel, and time display identifier ("f") displays "5dot". 6. Press A or C, "CURV" and current dot identifier (channel identifier represents dot position) will flash meanwhile. 7. Turn D to choose dot position of operation curve. 8. Press A or C, "CURV", current dot identifier (channel identifier represents dot position) and the last three figures of time display identifier ("f") will flash meanwhile, while the first figure displays "d". 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 "5 dot", which means the channel is 5 dot operation curve.  When choosing curve dot, time display identifier ("f") displays current curve dot value, starting with "d" for user's convenient search.  The last figure of time 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 c h a n n e l a s positive value 25%.	1. Place TX in stand by status. 2. Press A one second and channel reversed setting identifier ("d") will flash. 3. Turn D until "CURV" and channel identifier "123456" flash meanwhile. 4. Press A or C, "CURV" and channel identifier "1" will flash meanwhile. 5. Turn D to choose channel, and make "CURV" and channel identifier "2" flash meanwhile. 6. Press A or C, "CURV", channel identifier "2" and the first three figures of time display identifier ("f") will flash meanwhile, while the last figure 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, time 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:

The process to set throttle curve as sucris as rollows.				
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 A one second and channel reversed setting identifier ("d") will flash. 3. Turn D until "CURV" and channel identifier "123456" flash meanwhile. 4. Press A or C, "CURV" and channel identifier "1" will flash meanwhile. 5. Turn D to choose channel, and make "CURV" and channel identifier "3" flash meanwhile, while time display identifier ("f") displays "5dot". 6. Press A or C, "CURV" and channel identifier "1" will flash meanwhile. 7. Press A or C, "CURV", channel identifier "1" and the last three figures of time display identifier ("f") will flash meanwhile, while the first figure displays "d".	When cursor moves to "3", time display identifier ("f") display "5dot", which means the channel is 5dot operation curve.  When choosing curve dot, time display identifier ("f") displays current curve dot value, starting with "d" for user's convenient search.  The last figure of time 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
	8. Turn D to set up current dot value as 002.	
	9、Press C, "CURV" and channel identifier "2" will flash meanwhile.	
	10、Press A or C, "CURV", channel identifier "2" and the last three	
	figures of time display identifier ("f") will flash meanwhile, while the	
	first figure displays "d".	
	11、Turn D to set up current dot value as 028.	
	12. Press C, "CURV" and channel identifier "3" will flash	
	meanwhile.	
	13. Press A or C, "CURV", channel identifier "3" and the last three	
	figures of time display identifier ("f") will flash meanwhile, while the	
	first figure displays "d".	
	14. Turn D to set up current dot value as 052.	
	15. Press C, "CURV" and channel identifier "4" will flash meanwhile.	
	16、Press A or C, "CURV", channel identifier "4" and the last three	
	figures of time display identifier ("f") will flash meanwhile, while the	
	first figure displays "d".	
	17、Turn D to set up current dot value as 077.	
	18. Press C, "CURV" and channel identifier "5" will flash	
	meanwhile.	
	19、Press A or C, "CURV", channel identifier "5" and the last three	
	figures of time display identifier ("f") will flash meanwhile, while the	
	first figure displays "d".	
	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.	
L		

# Gear speed setup

Function Description	Operation Steps	Instruction
There are two rates to choose: fast rate and slow rate.	<ol> <li>Press A one second and channel reversed setting identifier ("d") will flash.</li> <li>Turn D until time display identifier ("f") displays "G-S" and flashes meanwhile.</li> </ol>	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.	<ol> <li>Place TX in stand by status.</li> <li>Press A one second and channel reversed setting identifier ("d") will flash.</li> <li>Turn D until "Aileron, Elevator, Rudder" channel trim circle flash meanwhile.</li> <li>Press A or C, single channel reverse identifier will flash while time display identifier ("f") displays current memory trim value.</li> <li>Turn D to choose channel trim circle.</li> <li>Press A or C, single channel reverse identifier and time display identifier ("f") will flash meanwhile.</li> <li>Turn D to adjust current channel memory trim value ( Press A one second to recover it to default)</li> <li>Press C to save data and enter into next search.</li> <li>Press B to exit afer finishing setup.</li> </ol>	When choosing channel, time display identifier ("f") displays current channel memory trim value for user's convenient search. Setting values of memory trim range from -100% to 100%.

### Flight timer setup:

Timer value rangs from 1 to 60

minutes.

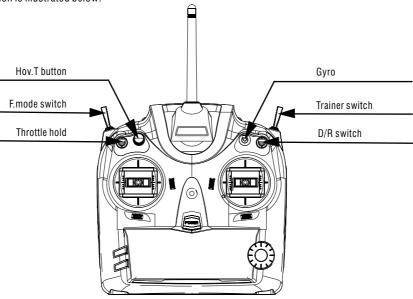
Function Description	Operation Steps	Instruction
The X6 features an on screen timer, which is to count flight time, and it adopts count down mode with warning prompt. When throttle volume is more than 30%, timer will start to count time, while pause counting when it is less than 30%. It changes to U P - T I M E R automatically	1. Place TX in stand by status. 2. Press A one second and channel reversed setting identifier ("d") will flash. 3. Turn D until time display identifier ("f") flashes. 4. Press A or C, the four figures of time display identifier ("f") will flash meanwhile. 5. Turn D to set value of flight timer (Press A one second to set it as 5 minutes.) 6. Press C to save data, start timer and enter into channel reverse setup. 7. Press B to exit afer finishing setup.	When adjusting value of flight timer, the second identifier of time display identifier ("f") will not flash, the minimum unit is minute.  With the timer is power on, press C for a long time to eliminate current value and restart or turn off the timer in stand by status. (Press C for a long time can shut it down when the timer is power on, while start it when the timer is power off.)  When the setting value is 0, which means not to start the timer. According to the two second dot status of time display identifier ("f") to distinguish menu level when setting this configuration item. (shown as pictureC below)
when DOWN- TIMER is over.	second d	lot

pictureC



# **Helicopte Operation Instruction**

There are several setting parameters for helicopter: Model number, Model type, Channel reserve, Rudder dual rate, CCPM mix, Operation curve, Memory trim, Throttle hold, Flight timer, User-defined mix and so on. Each switch position is illustrated below:



### Model number

Function Description	Operation Steps	Instruction
It can be changed from 0 to 9.	1. Place TX in stand by status. 2. Press A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile. 3. Press A or C, and "MODE" will go solid while model number identifier ("e") flash. 4. Turn D to choose current model number. 5. Press C to save it and then enter into model type setup. 6. Press B to exit after finishing setup.	Model type will change with corresponding setting values of the selected model number in real time. It is required to press C to save data when changing model number. Model type will change with model number when choosing model number for user's convenient search. Alteration of model number will affect the whole setting parameters, so we suggest that deal with this configuration item according to current controlled model, and make sure the model is power off to avoid sudden movement of it.



# **Model type**

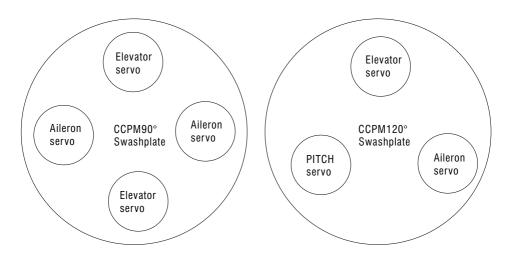
Function Description	Operation Steps	Instruction
Model type	1. Place TX in stand by status. 2. Press A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile. 3. Turn D, "MODE" and model type identifier will flash meanwhile. 4. Press A or C, "MODE" will go solid while model type identifier flash. 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. 7. 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.

# Swashplate type

Function Description	Operation Steps	Instruction
The X6 offers two swashplate types: C C P M 9 0° and CCPM120°. Select the swashplate type to match your helicopter.	1. Place TX in stand by status. 2. Press A and B one second together, "MODE" and model number identifier ("e") will flash meanwhile. 3. Turn D, "MODE" and Swashplate type identifier will flash meanwhile. 4. Press A or C, "MODE" will go solid while Swashplate type identifier flash. 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:



### **User-defined mix**

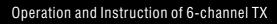
Function Description	Operation Steps	Instruction
It provides a group of free mix control modes to meet users' different needs. And it can also be set up for up/down, left/right asymmetric mix control mode, one-way mix and two-way mix control mode.	1. Place TX in stand by status. 2. Press A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile. 3. Turn D until "MIXES" and main/sub channel identifier ("a" and "c") flash together. 4. Press A or C, "MIXES" and single channel identifier ("a"or "c") will flash meanwhile. 5. Turn D to choose main channel or sub channel. 6. Press A or C, "MIXES" and single channel identifier ("a"or "c") will flash meanwhile.(if this mix parameter has been set up before, "MIXES" and that channel identifier will flash meanwhile) 7. Turn D to choose channel number to be set up.	If the whole channel identifier ("a" and "c") flash together when choosing channel position, that means it is not selected. And if neither main channel nor sub channel position is selected, pressing A or C will not enter into next operation with the cursor moving between "a" and "c", and time display identifier ("f") displays current corresponding mix control volume.  Use corresponding control stick of each channel to change parameter of left/right or up/down parts in user-defiend 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).



Function Description	Operation Steps	Instruction
	8. Press A or C, "MIXES", single channel identifier ("a" or "c") and time display identifier ("f") will flash meanwhile.  9. Turn D to set user-defined mix value, set left/right or up/down parts parameter according to corresponding control stick's switchover. (Press A one second if you want to recover it to default.)  10. Press C and "MIXES", another single channel, time display identifier("f")will flash meanwhile. (if this mix parameter has been set up before, "MIXES" and that channel will flash meanwhile)  11. Turn D to choose channel number to be set up.  12. Press A or C, "MIXES", single channel identifier ("a" or "c") and time display identifier ("f") will flash meanwhile.  13. Turn D to set user-defined mix value, set left/right or up/down parts parameter according to corresponding control stick's switchover. (Press A one second if you want to recover it to default.)  14. Press C to save data and enter into another search.  15. Press B to exit after finishing setup.	User-defined mix will be completed only with intact setting parameter, which means if either main channel or sub channel is not set mix parameter, use-defined mix will be cancelled. One-way mix mode is that only one channel will change with the other channel's movement. Two- way mix mode is that both channels will change each other with the other's movement. Asymmetric mix mode is that both channels can mix control in left/right or up/down parts. User-defined mix setting parameters rang from -100% to 100%. When "MIXES" and single channel flash together, press C to cancel the setting value or to exit this setup.

### **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.	identifier will flash.  4. Turn D to choose the channel to be set up.	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. And we suggest users not install the main motor or propeller to prevent the damage caused by propeller sudden rotation.





### **CCPM Mix setup:**

Function Description	Operation Steps	Instruction
It is to set CCPM120° swashplate mix parameter for helicopter. CCPM90° has no	<ol> <li>Place TX in stand by status.</li> <li>Press A one second and channel reversed setting identifier ("d") will flash.</li> <li>Turn D until "END-P" and channel identifier "123456" flash meanwhile.</li> </ol>	When choosing channel, the time display identifier ("f") will display current mix-control volume for user's convenient search.
this configuration item for helicopter and airplane.	<ul> <li>4. Press A or C, swashplate type and single channel identifier will flash meanwhile.</li> <li>5. Turn D to choose channel for CCPM120° mix-</li> </ul>	When setting mix-control parameter for CCPM120° swashplate, "1" represents Aileron channel, "2" represents Elevator channel, and "3" represents PITCH channel.
	control.  6. Press A or C, swashplate type, single channel identifier and time display identifier ("f") will flash meanwhile.	
	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.	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 b o t h s i d e s (left/right and u p / d o w n ) separately to meet the servo trim or operation feeling adjustment.	4. Press A or C, "END-P" and single channel identifier will flash meanwhile.	When choosing channel, the time 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).



Function Description	Operation Steps	Instruction
	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.	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
kinds of general w in g - m i x parameters setup and asymmetric value setup of lefe/right or up/down side of control stick for airplane. While provides ATS. Mix for helicopter.  5 6 sing 7 8 cur ("f" 9 cor left rec. 10 sea	rrent mix block sector and time display identifier ") will flash meanwhile.	"" represents no wing-mix "1" represents 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 "MIXES" is flashing and "123456" is disappered, 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:

1	A mix-control block	Aileron channel	for △shape wing model		
	B mix-control block	Elevator channel			
Airplane 2	A mix-control block	Elevator channel	factly above with a model		
	2	B mix-control block	Rudder channel	for V shape wing model	
		A mix-control block	Aileron channel	for Flap/Aileron wing model	
	B mix-control block	Flap channel	ioi i iap/Alleroll willy illouel		
Helicopter 1	1	A mix-control block	Throttle channel	for ATS Mix of helicopter	
	B mix-control block	Rudder channel	Tot ATO WITA OF HEILCOPTES		

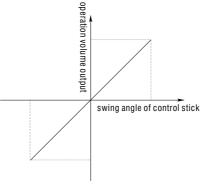
1, 2, 3 in the above form represent mix-control type, you can find them in the channel identifier "123456" in LCD, A mix-control block is the upper channel identifier ("a"), while B mix-control block is the nether part ("b"). You should choose model type before setting up this configuration item. When 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

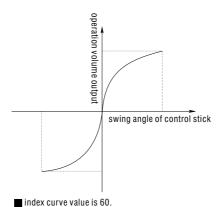
Function Description	Operation Steps	Instruction
It provides operation curve setup and can improve operation feeling. And it can also adjust positive and negative index curve for Aileron, Elevator, Rudder three channels, and Five subsection curve for Throttle channel.	1. Place TX in stand by status. 2. Press A one second and channel reversed setting identifier ("d") will flash. 3. Turn D until "CURV" and channel identifier "123456" flash meanwhile. 4. Press A or C, "CURV" and current channel identifier will flash meanwhile. 5. Turn D to choose operation curve to set up each channel. 6. Press A or C, "CURV", 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, time 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.

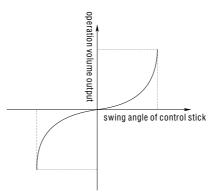


Index curve value ranges from -80% to 80%. The corresponding relationship between index curve and operation volume output is illustrated below:











### 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. Place TX in stand by status. 2. Press A one second and channel reversed setting identifier ("d") will flash. 3. Turn D until "CURV" and channel identifier "123456" flash meanwhile. 4. Press A or C, "CURV" and current channel identifier will flash meanwhile, while the last figure of time display identifier ("f") display "E". 5. Turn D to choose channel, and time display identifier ("f") displays "5dot". 6. Press A or C, "CURV" and current dot identifier (channel identifier represents dot position) will flash meanwhile. 7. Turn D to choose dot position of operation curve. 8. Press A or C, "CURV", current dot identifier (channel identifier represents dot position) and the last three figures of time display identifier ("f") will flash meanwhile, while the first figure displays "d". 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 "5dot", 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 time 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
setting operation curve of elevator	<ol> <li>Place TX in stand by status.</li> <li>Press A one second and channel reversed setting identifier ("d") will flash.</li> <li>Turn D until "CURV" and channel identifier "123456" flash meanwhile.</li> <li>Press A or C, "CURV" and channel identifier "1" will flash meanwhile.</li> <li>Turn D to choose channel, and make "CURV" and channel identifier "2" flash meanwhile.</li> </ol>	When choosing channel, time 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
	6. Press A or C, "CURV", channel identifier "2" and the first three figures of time display identifier ("f") will flash meanwhile, while the last figure 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.	

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%

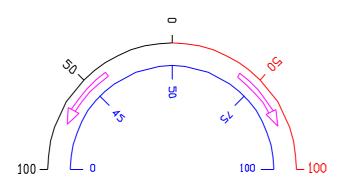
Place throttle hold switch in on status, and then operate as follows:

Function Description	Operation Steps	Instruction
It is the process of setting operation curve value of elevator channel as 25%.	setting identifier ("d") will flash.	When cursor moves to "6", time display identifier ("f") display "5dot", 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 time 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 A or C, "CURV", channel identifier "2" and the last three	
	figures of time display identifier ("f") will flash meanwhile, while the	
	first figure displays "d".	
	11、Turn D to set up current dot value as 035.	
	12、Press C, "CURV" and channel identifier "3" will flash meanwhile.	
	13、Press A or C, "CURV", channel identifier "3" and the last three	
	figures of time display identifier ("f") will flash meanwhile, while the	
	first figure displays "d".	
	14、Turn D to set up current dot value as 040.	
	15、Press C, "CURV" and channel identifier "4" will flash meanwhile.	
	16. Press A or C, "CURV", channel identifier "4" and the last three	
	figures of time display identifier ("f") will flash meanwhile, while the	
	first figure displays "d".	
	17、Turn D to set up current dot value as 045.	
	18、Press C, "CURV" and channel identifier "5" will flash meanwhile.	
	19、Press A or C, "CURV", channel identifier "5" and the last three	
	figures of time display identifier ("f") will flash meanwhile, while the	
	first figure displays "d".	
	20、Turn D to set up current dot value 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:



As illustration, the figures in blue are setting values and the figures in red and black are corresponding sensitivity values. The red part represents Lock Tail sensitivity while the black part represents Non-lock sensitivity.



Function Description	Operation Steps	Instruction
This function supports the user to set sensitivity value of gyro.	25 Press A one second and channel reversed setting	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 Ins	Instruction
"Aileron, Elevator, Rudder" three channels trim adjustment, and also correct rudder deviation with memory function.  "Aileron, Elevator, Rudder" three channels trim identifier ("d") will flash.  3. Turn D until "Aileron, Elevator, Rudder" channel trim mem use use while time display identifier ("f") displays current memory trim value.	Then choosing hannel, time display lentifier ("f") displays urrent channel lemory trim value for ser's convenient earch. etting values of temory trim range om -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%.	2. Press A one second and channel reversed setting identifier ("d") will flash.  3. Turn D until time display identifier ("f") flashes, and the last three figures display current throttle hold value, while the first figure display "H".	Pay attention to the display status (flash or solid) of the first figure of time display identifier ("f"), it can help you to distinguish menu level. It can also to set throttle speed.

# Flight timer setup:

Function Description	Operation Steps	Instruction
The X6 features an on screen timer, which is to count flight time, and it adopts count down mode with warning prompt. When throttle volume is more than 30%, timer will start to count time, while pause counting when it is less than 30%. It changes to UP-TIMER auto-matically when DOWN-TIMER is over. Timer value rangs from 1 to 60 minutes.	reversed setting identifier ("d") will flash.  3. Turn D until time display identifier ("f") flashes.  4. Press A or C, the four figures of time display identifier ("f") will flash meanwhile.  5. Turn D to set value of flight timer (Press A one second to set the value as 5 minutes.)  6. Press C to save data, start timer and enter into channel reverse setup.  7. Press B to exit afer finishing setup.	When adjusting value of flight timer, the second identifier of time display identifier ("f") will not flash, the minimum unit is minute.  With the timer is power on, press C for a long time to eliminate current value and restart or turn off the timer in stand by status. (Press C for a long time can shut it down when the timer is power on, while start it when the timer is power off.)  When the setting value is 0, which means not to start the timer. According to the two second dot status of time display identifier ("f") to distinguish menu level when setting this configuration item.



# **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 A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile. 3. Turn D until time display identifier ("f") flashes, and the first two figures display "P-", while the last two figures display current power status. 4. Press A or C, and then "P-" goes solid, while the last two figures display current power status and flash meanwhile. 5. Turen D to choose "H" or "L" for throttle. 6. Press C to save data and enter into Wireless coach setup. 7. Press B to exit after finishing setup.	When setting transmitting power, the last two figures of time display identifier ("f") 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 2.4G 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 X6:

- 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).

### **Wireless Trainner function:**

- 1) To bind the trainer TX with receiver first.
- 2) To make linked allocation between the trainer TX and trainee one as follows.



#### Operation instruction for trainer TX:

Function Description Operation Steps	Instruction
You have to complete linked allocation between the trainer TX and the trainee one before wireless coach. This function is not for transmitter with old high frequency protocol.  1. Place TX in stand by status. 2. Press A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile. 3. Turn D until the two transmitter identifier in the right of LCD flash. 4. Press A or C, and then the transmitter identifier on right side flashes only. 5. Press C, LCD displays "SH" and flashes meanwhile with LED blinking and buzzer beeping, indicating connecting with trainee TX. And then enter into wireless copy setup afer completed. 6. Press B to exit after finishing setup.	The left transmitter identifier on LCD represents the trainee TX, while the right one represents the trainer TX.

#### Operation instruction for trainee TX:

1		
Function Description	Operation Steps	Instruction
complete linked allocation between the trainer TX and the trainee one before wireless coach. This function is not for transmitter with old high frequency protocol.	<ol> <li>Place TX in stand by status.</li> <li>Press A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile.</li> <li>Turn D until the two transmitter identifier in the right of LCD flash.</li> <li>Press A or C, and then the transmitter identifier on right side flashes only.</li> <li>Turn D to choose trainee TX.</li> <li>Press C, LCD displays "SH" and flashes meanwhile with LED blinking and buzzer beeping, indicateing connecting with trainer TX.</li> <li>And then enter into wireless copy setup afer completed.</li> <li>Press B to exit after finishing setup.</li> </ol>	The left transmitter identifier on LCD represents the trainee TX, while the right one represents the trainer TX.

3) After completing above operation, LCD of the trainer TX will display two transmitter identifier, the scrollbar in the middle of the two identifier, and the above scrollbar of the right transmitter identifier is rolling upwards (indicates it is transmitting data). And that means it is the trainer TX operating now. LCD of the trainee TX will display the two transmitter identifier and the middle scrollbar.



4) When pulling the trainer switch, the two scrollbars of the trainer TX identifier will roll meanwhile, indicating the transmitting data is from the trainee TX, and the scrollbar in the middle of trainee TX starts rolling. And that means it is the trainee TX operating now.

Neither the trainer TX nor the trainee one is permitted to power off in wireless coach, or it will fail to wireless coach. And both of them should be turned on again and complete linked allocation illustrated above before wireless coach again.

### Wireless copy function:

Function Description	Operation Steps	Instruction
It is to copy m o d e I parameters each other through wireless communication. That is to exchange data between the two transmitters.	1. Place TX in stand by status. 2. Press A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile. 3. Turn D until "COPY" in time display identifier ("f") flashes. 4. Press A or C, and the first two figures of time display identifier ("f") flash. 5. Turn D to choose data number to be copied. 6. Press A or C, and the last two figures of time display identifier ("f") flash. 7. Turn D to choose "R" or "S" to copy data. 8. Press C, model number identifier ("e") and "R" or "S" will flash meanwhile, indicating copying data. (Press B to cancle it). 9. To set another transmitter as the same operation, and then enter into internal data copy setup after completed. 10. Press B to exit after finishing setup.	The first two figures of time display identifier ("f") display model number, and the last two figures display data direction.  Press A to recover it to default value 0.  R: represents receiving data.  S: represents sending data.  Press A to recover it to default status R.  In wireless coach status, make sure the two transmitters near each other to ensure receiving well. When copying data, current model number should be different with receiving number in case of current data replace the received data when turning off transmitter.

### Internal data copy function:

Function Description	Operation Steps	Instruction
It is convenient for user to manage the data of transmitter and also create a new similar model quickly.	1. Place TX in stand by status. 2. Press A and B one second together, and "MODE" and model number identifier ("e") will flash meanwhile. 3. Turn D until model number identifier ("e") and time display identifier ("f") flash meanwhile.	The first two figures of time display identifier ("f") display source data number while the last two figures display target data number. Press A to recover it to default value 0.  Model number represents operable data which ranges from 0 to 9.



Function Description	Operation Steps	Instruction
Function Description	Operation Steps  4. Press A or C, model number identifier ("e") and the first two figures of time display identifier ("f") will flash while the last two figures go solid.  5. Turn D to choose model number.  6. Press C, model number identifier ("e") and the last two figures of time display identifier ("f") will flash while the first two figures go solid.  7. Turn D to choose model number. (Press A	Instruction
	one second to recover it to default 0.)  8. Press C to complete the copy.  9. Press B to exit after finishing setup.	

### 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

If you turn on transmitter with throttle hold switch 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.

### Quick zero clearing and reset of timer

#### **Function Description**

It is to quick zero clearing and restart to recover setting values when timer is started.

#### **Operation Instruction**

When timer is started, TX is in stand by status and timer stops counting, and then press C two seconds to recover it to seting value and restart timer. While press C two seconds to zero clearing and shut off timer.



### 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**

Turn on the receiver, insert binding bar into the binding faucet, and the LED on receiver will flash slowly, and then take down the binding bar when the receiver is power on. Then enter into Binding setup according to the operation as illustration above, the TX LCD will display "S-H" and flash meanwhile, and buzzer will send interval noise. Release the buttons of TX, LED on receiver will go solid bright several seconds later, and then TX will enter into stand by status, and LCD displays normal information, indicating the binding is completed. During binding, you can also turn off the TX to quit binding operation.

#### 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.



### Communication protocol choice:

#### **Function Description**

The TX is compatible with our other transmitters which are with old communication protocfol. You have to rebind it if the communication protocol is changed before flying.

#### **Operation Instruction**

With TX power off, push the throttle hold switch downwards, press the trainer switch and A together, and then enter into communication protocol choice interface, LCD displays "R-1" or "R-0" and flash meanwhile. You can choose communication protol through D/R switch (R-1 represents new communication protocol, supporting wireless coach; R-0 represents old communication protocol, do not support wireless coach and data transmission for more than four channels. You can change from new communication protocol to the old one through pushing D/R switch). Release throttle hold switch after choosing communication protocol, and then enter into stand by status.

#### 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 guick 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**

Make sure that the trainer switch is off before operating, for the two functions can not be used meanwhile. 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.)

### **Default model parameters**

When modifying model type or setting single parameter, you can press A to recover it to default. The form below is each default parameter for you reference.

model number	Model type
0	non-mix airplane
1	non-aileron helicopter or CCPM 90° helicopter
2	CCPM120° helicopter
3	non-mix airplane
4	non-mix airplane
5	non-mix airplane
6	non-mix airplane
7	non-mix airplane
8	non-mix airplane
9	non-mix airplane



### Reset for the first three model type (illustrated above)

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

First model type: for non-mix airplane

Model number	0					
Model type		non-mix airplane				
	Aileron channel	high-rate mode	left		100%	
			right		100%	
		low-rate mode	left		80%	
			right	80%		
			left	100%		
2.42	Elevator channel	high-rate mode	right		100%	
D/R	Elevator channel	low-rate mode	left	80%		
		10W-rate mode	right	80%		
	Rudder channel	h.t. h	left	100%		
		high-rate mode-	right	100%		
		low-rate mode	left	80%		
			right		80%	
	Aileron channel	E 0				
	Elevator channel	E 0				
Operation curve	Rudder channel	E 0				
			the first	dot value	0%	
	Throttle curve	Normal mode	the second dot value		25%	
			the third dot value		50%	
			the fourth dot value		75%	
			the fifth dot value			
	Aileron channel		0			
Trim	Elevator channel		0			
	Throttle curve		0			
	Rudder channel		0			
	Aileron channel		0			
Memory trim	Elevator channel		0			
	Throttle curve	0				



Gear speed	slow speed	25%				
dear speed	fast speed	75%				
	OFF	mix-channel A	left	80%		
wing mix			right	80%		
Willy IIIX		mix-channel B	left	80%		
			right	80%		
	OFF Sub channel	Main channel	left	60%		
user-defined mix			right	60%		
		Sub channel	left	0%		
			right	0%		

Second model type: for non-aileron helicopter or CCPM90° helicopter

Model number	1					
Model type	non-aileron helicopter or CCPM90 helicopter					
Swashplate type	CPM90°					
	Aileron channel	high-rate mode	left		100%	
			right	100%		
	Allefoli chamiei		left	80%		
		low-rate mode	right		80%	
		h.t. b	left		100%	
	Elevator channel	high-rate mode	right		100%	
D/R		low-rate mode	left	80%		
			right	80%		
	Rudder channel	high-rate mode-	left		100%	
			right		100%	
		low-rate mode	left	80%		
		ion rate meas	right		80%	
	Aileron channel	E 0				
	Elevator channel	E 0				
	Rudder channel	E 0				
Operation curve	Throttle curve	Normal mode	the first dot value		09	%
			the second dot value		25	5%
			the third dot value		50	0%
			the fourth dot value		75	5%
			the fifth dot value 10		00%	



		+				
	Throttle curve		the first o	dot value	100%	
		3D mode	the seco	nd dot value	HOV.T	
			the third	dot value	Decided by HOV.T knob	
			the fourt	h dot value	Decided by HOV.T knob	
			the fifth o	dot value	100%	
			the first o	dot value	35%	
			the second dot value		45%	
Operation curve		Normal mode	the third dot value		55%	
			the fourt	h dot value	65%	
	PITCH curve		the fifth o	dot value	75%	
	11101101110		the first o	dot value	30%	
			the seco	nd dot value	42%	
		3D mode	the third	dot value	55%	
			the fourt	h dot value	65%	
			the fifth o	dot value	75%	
Throttle hold		0%				
	Aileron channel	0				
<b></b> .	Elevator channel	0				
Trim	Throttle curve	0				
	Rudder channel	0				
	Aileron channel	0				
Memory trim	Elevator channel	0				
	Throttle channel	0				
	non-lock sensitivity	25%				
Gyro sensitivity	lock sensitivity	75%				
			left		80%	
		mix-channel A	right	80%		
wing mix	OFF .					
		mix-channel B	left	80%		
			right	80%		
user-defined mix	OFF -	Main channel	left		60%	
			right		60%	
		Sub channel -	left	0%		
			right		0%	



Third model type: for CCPM120° mix helicopter

Model number	2					
Model type	Helicopter					
Swashplate type	CCPM120°					
	Attacas	high-rate mode	left	100%		
			right	100%		
	Aileron channel		left	80%		
		low-rate mode	right		80%	
			left		100%	
	Elecation de la contraction de	high-rate mode	right		100%	
D/R	Elevator channel	low-rate mode	left		80%	
		Tow-rate mode	right		80%	
	Rudder channel	high-rate mode-	left		100%	
			right	100%		
		low-rate mode	left		80%	
		10W Tato mode	right	80%		
	Aileron channel	E 0				
	Elevator channel	E 0				
	Rudder channel	E 0				
			the first dot value		0%	
		Normal mode	the second dot value		25%	
Operation ourse			the third dot value		50%	
Operation curve	Throttle curve		the fourth dot value		75%	
			the fifth dot value		100%	
		3D mode	the first dot value		100%	
			the second dot value		HOV.T	
			the third dot value		Decided by HOV.T knob	
			the fourth dot value		Decided by HOV.T knob	
			the fifth dot value		100%	

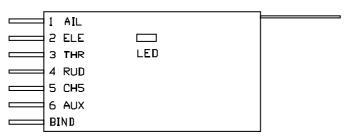


	PITCH curve	Normal mode	the first o	lot value	35%	
			the second dot value		45%	
			the third	dot value	55%	
			the fourt	h dot value	65%	
			the fifth dot value		75%	
Operation curve			the first o	dot value	30%	
			the second dot value		42%	
		3D mode	the third	dot value	55%	
			the fourt	h dot value	65%	
			the fifth dot value		75%	
Throttle hold		0%				
	Aileron channel	0				
T. 2	Elevator channel	0				
Trim	Throttle curve	0				
	Rudder channel	0				
	Aileron channel	0				
Memory trim	Elevator channel	0				
	Throttle channel	0				
0	non-lock sensitivity	25%				
Gyro sensitivity	lock sensitivity	75%				
			left		80%	
• • • • • •		mix-channel A	right	80%		
wing mix	OFF mix-channel B		left	80%		
		right	80%			
	OFF -	Main channel	left	60%		
			right		60%	
user-defined mix		Sub channel -	left	0%		
			right	0%		

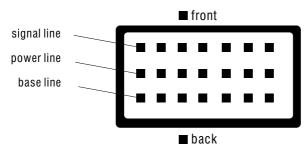
### **Receiver Instruction**

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	$1000 \pm 20$ us
RUD	rudder	1500±20us
CH5	channel 5	$1500 \pm 20 us$
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.)

