

WK-2801 User Manual

8-CH MULTIFUNCTIONAL TRANSMITTER

Note: Pls carefully read the the manual before using and take good care of it so that you may readily to refer to it whenever necessary.



WK-2801

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1.0 Foreword

Walkera's WK-2801 adopts the 2.4G spectrum technology with the functions of automatic code pairing,ID assignment and high ability of antijamming, It also has the function of wireless copy so that you will get out of the trouble of wire connection. 4 hotkeys can be set to get fast access to the desired screen, It has modes for both helcophers and airglanes to meet your requirements for different models.

You must enter the Function Menu to select the correct model before doing the other settings (See 7.2 Model selection.)

1.1 Important Statements

- (1) The transmitter is suitable for experienced radio controlled helicopter modelers beyond 14 years old.
- (2) Using legal ground for operating the model plane is a must.
- (3) We assume no liability for the use of this product.
- (4) Please contact our local distributor for technical support and after service.

1,2 Safety Guidelines Needing Attention

(1) Far away from obstacle and people

RC helicopter in flight is uncertain of flight speed and status, which potential risk exists in when flying, please keep your RC helicopter far away from people, high buildings, high-tension line, etc, and avoid operating in rain, storms, thunder and lightening.

(2) Away from humidity environment

RC helicopter should be kept away from humidity and vapor because it is composed of complicated precise electronic elements and mechanic parts.

(3) Proper operation

Please use Walkera original spare parts to upgrade, modify or maintain your helicopter in order to assure its safety. Please operate your helicopter within the range of functions permitted. It is forbidden to use out of the safety laws or regulations.

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(4) Safety operation

Please fly your helicopter according to your body status and flight skills. Fatigue, listlessness and miss-operation will increase the possibilities of accidental hazard.

(5) Away from heat source

The inside of the transmitter is composed of many precise electronic components and mechanical parts. Keep it far away from heat sources and sunshine to avoid distortion, or even damage caused by high temperature.

(6) Correct Charging Method

When using the nonrechargeable battery, it is prohibited to charge the battery by the CHG jack.

2.3 Attention before flight

- (1) Ensure the battery packs of both transmitter and receiver are fully charged (saturated),
- (2) Ensure both the throttle stick and the throttle trim of your transmitter stay at the lowest positions before operation.
- (3) Please strictly obey the order of turn-on and turn-off before operation. When starting your flight, turn on your transmitter first, then connect the battery to the hel. When turning off the hel, disconnect the battery first, then turn off the transmitter. An upset in the order of connection may cause your helicopter to lose control. Please cultivate a correct habit of turn-on and turn-off.
- (4) Ensure the directions and actions of the servos are correct when executing commands of the transmitter, Using a broken servo will result in unforeseen dangers.

2. 0 Features

2,1 Transmitter WK-2801

- The WK-2801 adopts 2,4G spectrum technology and features automatic code pairing and ID assignment.
- . LCD display of the WK-2801 is simple to understand and easy to set.
- . The transmitter appearance is ergonomically designed and the large LCD display has white backlight with easy-to-read graphics,
- . The longth or tension of the controls sticks can be adjusted and it is convenient to change the left&right throttle.

 The WK-2801 supports both helicopters and airplanes. It offers three
- helicopter flight modes and each flight mode is capable of free setting and adjusting parameter in order to suit the various requirements of F3C or 3D aerobatic flights.
- . Capable of wireless data copy and transfer between two transmitters.
- . Four adjustable hot keys facilitate easy entry into the set menu.
- , Eight model memory storage,
- Gyre rate adjustment by transmitter, and convenient programmed hover and 3D #ights.

7.2 Receiver RX-2801

- The RX-2801 uses 2,4Gig spectrum technology. It features fast reaction and strong interference protection.
- Two reveiving wires pointing at two different directions ensure stable signal receiving.
- 3. Take the SCM as CUP with super-strong analysing ability.
- With the transmitter switch on, the receiver maintains the frequency and the ID memory when changing the battery.

3. 0 Specitications

3.1 Transmitter Specification:

Encoder	nnel micro computer system
Frequency ······	2,4G spread spectrum
Output Power	
Current Drain	20mA
Power Source	1.2V 8NiCad(9.6V600mAh) or 1.5V 8 AA dry batteries
Output Pulso	4100-1000Me/1500 Neutrali

3.2 Receiver Specification:



WK-2801

4.0 Face



4.1 Bcak

Trainer Jack : for simulator flight via your computer (You need the software and softdogs available in hobby stores.)

Charging Jack: Input Voltage: 12V; Current: 50-100mA; It's only fit for the rechargeable batteries. The charging function is prohibited when using the non-rechargeable batteries.



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4.2 Wiring Diagram:

Antenna

RX2801

Receiver

Antenna

RADD

GEAR

AUX1

Power Switch

AUX2

-AUX3

To Charge Cord

4.3 WK-2801 Input Key Function

EXT: Resetting key. Press EXT to exit the main menu.

ENT: Confirmation key. Press ENT to access the system or the function mode.

-UP: Moves the cursor up to the next Function selection.

•DN: Moves the cursor down to the next Function selection.

+R: Moves the cursor right to increase the setting value. L-: Moves the cursor left to decrease the setting value,

5.0 Control Stick Length Adjustment

To adjust the stick length, use the 1.5 mm Allen Wrench to unlock the set screw, and then turn the wrench clockwise or counterclockwise to adjust the stick length. After the stick length has been adjusted to suit your flying style, tighten the set screw.



5.1 Control Stick Tension Adjustment

Remove the 6 back cover screws, and remove the transmitter back case. (Be careful not to break the wires.) Then use a Phillips screwdriver to adjust each screw on the throttle arresting spring for the desired tension (Note: clockwise to tighten the stick and counterclockwise to loosen).



Control Stick Adjustment Screen



Left Throttle Stick

5.2 Neck Strap Usage

The neck strap can be hooked on the face of the WK-2801 transmitter. The Hook located at the center helps to get optimal balance of the transmitter.

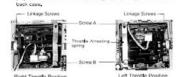


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5.3 Throttle Stick Position Change

A. Throttle stick position change from right to left: Remove the 6 back cover screws, and remove the transmitter back case, (Be careful not to break the wires,) Use a Phillips screwdrive to loosen the linkage screws, screw A, screw B and the throttle resting spring. Then set them to the corresponding position of the left throttle. Adjust screw A according to personal hand feeling (adjust the tension of the throttle stick), At last, install the transmitte



B. Throttle data change from right to left:

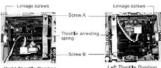
Press the ENT key to enter the Function Menu. Press the UP or DN key to select STICK and access by pressing the ENT key. Then press the UP or DN key to select STICK. And press the +, R or L. - key to change TH-RIGHT into TH-LEFT and save the change by pressing the ENT key,



The throttle change is completed,

C. Throttle stick position change from left to right

Remove the 6 back cover screws, and remove the transmitter back case. (Be careful not to break the wires.) Use a Phillips screwdriver to loosen the linkage screws, screw A, screw B and the throttle arresting spring. Then set them to the corresponding position of the right throttle, Adjust screw A according to personal hand feeling(adjust the tension of the throttle stick), At last, install the transm case.



Right Throttle Position

Left Throttle Position

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D. Throttle data change from left to right
Press the ENT key to enter the Function Menu, Press the UP or
DN key to select STICK and access by pressing the ENT key, Then
press the UP or DN key to select STICK. And press the +. R or
L. - key to change TH-LEFT into TH-RIGHT and save the change
by pressing the ENT key.

STIC	<			STICK	
	MPTB 28	-LEFT 01 (Def.)	-	STICK COMPTB IDECODE	TH-RIGHT 2801 (Def.) RANDDM

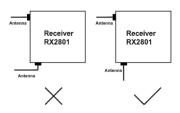
The throttle change is completed.

Note: Pay attention to the strength when removing and adjusting the screws, Excessive strength may damage them.

6. 0 Installation Requirements

It is important to correctly mount your radio system in your model. Bellow are some advices on how to install your WALKERA equipment.

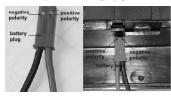
- 6.1 Wrap the receiver with 10 mm foam and fix it with a rubber band or string to protect the receiver.
- 6.2 It is necessary for you to use rubber grommets and copper sleeves to isolate the vibration. The mounting screws cannot be overtightened. Otherwise, the rubber grommets will be distorted and decrease the vibration absorption effect.
- 6.3 When mounting the servos, make sure they can move freely over their whole travel range and ensure the control linkages don't touch or impede the movement of the servos.
- 6.4 Install various switches far away from the engine tuned pipe and high vibration areas. Ensure all the switches move freely over their whole rance.
- 6.5 Don't tangle the receiver antennas or make them parallel.





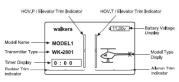
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6,6 Transmitter Battery Mounting: as the photo: Please note the polarities when inserting the plugs.



7.0 Parameter Setup for Helicopters

- 7.1 Function Menu
- 7.1.1 Main Menu



Switch on the transmitter and press the ENT key to access the Function Menu (main menu). Function Menu includes the following contents:

- 1. MOSET: Model.
- MDSEL: Model Selection. The WK-2801 can keep the settings of up to 8 models in memory. In order to avoid confusion, inputting the model name for each aircraft is strongly recommended.
- 3. COPY: Copy function allows the data of a model to be copied to another model stored in the same WK-2801 transmitter and data between two WK-2801 transmitters can be copied between each other.
- 4. STICK: Stick type includes left throttle and right throttle.
- 5. INPUT: Input setup.
- SWASH: Type of Swashplates includes 1SERVO 2SERVO and 3SERVO.
- 7. STEP: Trim Step Setup.

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- DISP: Display function enables you to adjust the LCD contrast and to turn on/off the backlight.
- ALARM: Alarm Setting. It will monitor flight time, battery voltage and alarm tone.
- 10, RESET: Reset function helps you re-set the factory default settings,

7.2 Function Menu Setup

7.2.1 (MDSET): Model Setup

Select the model before accessing the parameter setup

7.2.2 (MDSET) / Model Selection

In the Function Menu, press the UP or DN key to select MDLSE and access by pressing the ENT key . Press the UP or DN key to select MODEL and access by pressing the ENT key.

WK-2801 can keep the settings of up to 8 models in the memory. In order to avoid confusion, it is recommended that you input names for each model. The selected Model is highlighted. Press the ENT key to save and go back to the previous Function Menu.





7.2.3 (NAME)Model Name

In order to avoid confusion, it is recommended that you input names for each model. On the MDSEL screen, press the UP or DN key to select NAME and access by pressing the ENT key. Press the UP or DN key to select MODEL and save by pressing the ENT key.



MDSEL NAME	
•MODEL1 •MODEL2 •MODEL3 •MODEL4 •MODEL5	• MODEL6 • MODEL7 • MODEL8

Press the UP or DN key to move the cursor arrow to the desired character, Then press the +.R or L.- key select the characters and press the ENT key to save. Then press the EXT key to return to the MDSEL display to se





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7_2,4 (TYPE) Model Type Selection

On the MDSEL display, press the UP or DN key to select TYPE and access by pressing the ENT key, Press the +. R or L, - key to select the model of helicopter and save by pressing the ENT key. Then press the EXT key to exit.



7.2.5 (COPY) Data Copy

Data Copy Function allows the data of a model to be copied to another model stored in the same WK-2801 transmitter. This function also enables data to be copied between two WK-2801 transmitters

7.2.5.1 Data of up to eight models stored in the WK-2801 can be copied to another model within the same transmitter.

Press the EXT key, then press the ENT key to enter the Function Menu. Press the UP or DN key to select CDPY and access by pressing the ENT key, Then press the UP or DN key to select MODEL and access by pressing the ENT key, At last, press the UP or DN key to select the desired model.





Press the ENT key to confirm. Then press the UP or DN key to select the model that you wish to copy the model to. Then press the ENT key and a confirmation screen "sure copy" will appear.





Press the ENT key to save if you are sure it is correct Then the copy process appears. A short moment later, copy is over and system returns to the Function Menu. Press the EXT key to exit.





7.2.5.2 Copy between two WK-2801 using wireless technology

7.2.5.3 Setup for the WK2801 for wireless data transfer

Press the EXT key first, then press the ENT key to enter the Function Menu. Press the UP or DN key to select COPY and access by pressing the ENT key, Press the UP or DN key to select TRANSMIT and access by pressing the ENT key, Press the UP or DN key to select the desired model and press the ENT key to enter the confirmation screen, Press the ENT key to confirm. Then the sending screen appears. Press the EXT key to exit when the transfer is done.



7,2,5,4 Setup for the WK-2801 to receive wireless data transfer

Press the EXT key, then press the ENT key to enter the Function Menu. Press the UP or DN key to select COPY and access by pressing the ENT key. Press the UP or DN key to select RECEIVE and access by pressing the ENT key. The searching screen "Connect..." appears. It changes to *Receive.....when it obtains the copy signal.





The following screen will appear when it gets the copy information. Press the UP or DN key to select the model you want to store the copy to and press the ENT key to enter the confirmation screen.





Press the ENT key to enter the confirmation screen. And press the ENT key to confirm. It will go back to the main menu after finishing copying.





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7.2.6 (STICK) Stick Setup

7.2.6.1 Data selection for Throttle Model.

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select STICK and access by pressing the ENT key. Press the UP or DN key to select STICK. Press the LP or DN key to select STICK. Press the ENT key to save. At the same time, you must change the throttle hand in the transmitter accordingly.



7.2.6.2 (COMPTB) Output Type Selection

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select STICK and access by pressing the ENT key. Press the UP or DN key to select COMPTB. Press the +R or L-key to select 2801 or 2401 (WALKERA 4 channel transmitter) or 2601 (WALKERA 6 channel transmitter). Then press the ENT key to save the change.

Note: When COMPTB is set to 2401 or 2601, the throttle trim must be set to the lowest position to avoid lost control of the throttle over the motor.



7.2.7 (IDECODE) ID Code Setup

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select STICK and access by pressing the ENT key. Press the UP or DN key to select IDECODE. Then press the *-R or L_- key to open the desired setting value. Press the UP or DN key to move the cursor arrow to the desired data position. Press the *-R or L_- key to set to data. Then press the ENT key to save. When DECODE remains unset (RANDOM), system will assign the ID code automatically.



STICK	
STICK	TH-RIGHT
СОМРТВ	2801(Def.)
IDECODE	SET
	+
CODE:	002569

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7.2.8 (INPUT) Input Setup

Press the ENT key to enter the Function Menu, Then press the UP or DN key to select INPUT and access by pressing the ENT key. Press the UP or DN key to move the cursor arrow to the destroited menu. Then press the +-R or L, key to set the control switch or its state. Settings of GEAR include GEAR, HOV,P and INH, Settings of AUX2 include AUX2, HOV,P and INH, While Settings of AUX3 include FMOD, HOV,P and INH, While Settings of AUX3 include FMOD, HOV,P and INH,



7.2.9 (SWASH): Swashplate Type

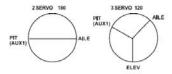
Press the ENT key to enter the Function Menu. Then press the UP or DN key to select SWASH and access by pressing the ENT key, Press the UP or DN key to select the desired mode, 3 modes are available. They are 1 servo (NORM) 2 servo (180) and 3 servo (120).

- 1 servo is a normal mode (non CCPM), and it is controlled by one servo.
 2 servo
- 3 servos are used to run CCPM mode(cyclic-collective-pitch-mixing mode), It utilizes three servos to operate the swashplate in the form of mixing manner to control over the functions of alleron, elevator and pitch CCPM

is the most popular control manner at present because the transmission structure is simplest and simultaneous operation of three servos lowers the servos' load.

- (1). This is the common type. It uses one servo to drive the pitch.
- (2), it uses two servos spaced at 180 to drive the swashplate and to after the pitch,
- It uses three servos spaced at 120 to drive the swashplate and to after the pitch.







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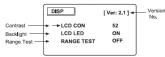
7.2.10 (STEP) Trim Step Setup

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select STEP and access by pressing the ENT key. Press the UP or DN key to select the current mode and access by pressing the ENT key. Range of tim step is from 1 to 10. Press UP or DN key to move the cursor arrow to the desired channel. Press the -R or Ley to modify the setting value. The larger the No. Is, the bigger the trim step will be All state, tress the ENT key to save the channel and exit.



7.2.11 (DISP); Display

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select DISP and access by pressing the ENT key.



7,2,11,1 (LCD CON): LCD Contrast Adjustment

Press the UP or DN key to select LCD CON. The screen contrast will change by pressing the R or L key to set the contrast.

7.2.11.2 (LCD LED): Backlight Switch

In order to change the the backlight, press the UP or DN key to move the cursor arrow to LCD LED, then change ON into OFF by pressing the + R or L, - key.

7.2.11.3 Range Test

To guarantee the control range during flying, you can use this function to test the distance.

Put your aircraft in a place where you can see it, Press the +, R or L, - key to change RANGE TEST into ON, Move the servo sticks as you walk backward with the transmitter, Observe the movements of the aircraft, If servos are working properly at a distance of more than 30 meters, the control range has met the requirements, Press the EXT key to exit the test.



7.2.12 (ALARM) Alarm Setting

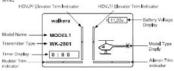
Press the ENT key to enter the Function Menu. Then press the UP or DN key to select ALARM and access by pressing the ENT key. WK-2801 offers the alarm function to set the flight time, battery low voltage and alarm tone.

7.2.12.1 (TIMER): Timer

Press the UP or DN key to move the cuisor arrow to TIMER, Then press the +, R or L, - key to set the data. The Maximum value is 59'50" (59 minutes 50 seconds).



Start with the Function Menu. Press the +,R key to start timing and press the +, R key again to pause the timing, Pressing the L, - key clears the time.



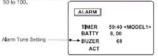
7,2,11,2 (BATTY)Battery Low Voltage Alarm

Press the UP or DN key to move the culsor arrow to BATTY. Then press the *. R or L. - key to set the data. The Max value, the mix value and the factory default value are 10,50V, 7,8V and 7,8V respectively. It is suggested to set the value to 9,0V.



7,2,11,3 (BUZER): Buzer

Press the UP or DN key to move the cuisor arrow to BUZER. Then press the *, R or L, * key to set the data and press the ENT key to save. According to the personal favor, the volume is ranged from 50 to 100.



If you don't want the BUZER, press the UP or DN key to move the cuisor arrow to ACT, Then press the +, R or L, - key to change it into INH and press the ENT key to save,



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7.2.13 (RESET): Reset

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select RESET and access by pressing the ENT key. Model setting parameter can be reset to the factory default setting by RESET cetup.

Press the UP or DN key and move the cursor arrow to select the model you want to reset, and access by pressing the ENT key. Then a confirmation screen of "Sure Reset" appears on the screen, Press the ENT key to reset. Otherwise, press the EXT key to exit.



RESET		
. MODE Sur . MODELZ . MODEL3 . MODEL4 . MODEL5	MODEL6 MODEL7 MODEL8	

To restore all the modes to factory default, press the UP or DN key to select ALL and save by pressing the ENT key. Then a confirmation screen of "Reset All appears on the screen. Press the ENT key to reset. Otherwise, press the EXT key to exit.

RESET		
. MODEL1 . MODEL2 . MODEL3 . MODEL4 . MODEL5	. MODEL6 . MODEL7 . MODEL8	

RESET	
. MODE Res . MODELZ . MODEL3 . MODEL4 . MODEL5	MODEL8

8. 0 Model Function Setup for Helicopters

Switch on the transmitter, and press the ENT key to enter the Function Menu.

Func, Menu		
.MDSET .MDSEL .COPY .STICK .INPUT	. SWASH . STEP . DISP . ALARM . RESET	

8.1 MODET: Model

Press the UP or DN key to select MDSET and get access to the desired function setup by pressing the ENT key.

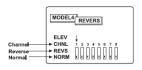


. AILMIX
. LANDING
. PROGMIX
. FAILSAF
. MONITOR

8.2 Revers : Reverse

Press the UP or DN key to select REVERS and access by pressing the ENT key. Then press the +. R or L - key to change the direction. The reverse function allows electronic reversing of serve throw directions. All 8 channels have servo reversing function making it more convenient to set up the servos.





8,3 SUBTRM: Subtrim

Press the ENT key to enter the Function Menu, Press the UP or DN key to select the MOSET and access by pressing the ENT key. Then Sess the UP or DN key to select SUBTRM and access by pressing the ENT key. Press the UP or DN key to select the desired channel. And press the + R or L - key to adjust the direction and data. Press the ENT key to save and exit. The subtrim function allows you to electronically fine tune the centering of your servors. All the eight channels can be individually adjusted with a range of 250. It is recommended that you set up the servo center mechanically by adjusting the bell crank position.



Note: Don't overuse the SUBTRM function as it may overdrive the servo's maximum travel.



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8.4 TRV ADJ: Travel Adjustment

Press the ENT key to enter the Function Menu, Press the UP or DN key to select the MDSET and access by pressing the ENT key. Then press the UP or DN key to select TRVADJ and access by pressing the ENT key. Press to UP or DN key to select traval desired channel. And press the +R or L_- key to modify the setting value, Press the ENT key to save and exit. The traval adjustment function can precisely soft the rotating angle of the service. The traval adjustment function can precisely soft the rotating angle of the service. The traval adjustment trange is from 0 to 150% (0 to 60) and both upward and downward directions can be adjusted independently. All the factory settings are 100%. There are two pages for traval adjustment settings. Press the DN or UP key to access.





8.5 SWAATS: Mixing

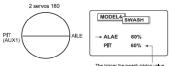
Press the ENT key to enter the Function Menu. Press the UP or DN key to select the MDSET and access by pressing the ENT key. Then press the UP or DN key to select SWAATS and access by pressing the ENT key. Press the UP or DN key to select the desired mixing program, Types of SWAATS induce Swashplate Mixing and Acceleration Mixing.

In the SWAATS menu, press the UP or DN key to select the SWASHMIX and access by pressing the ENT key. Then press the UP or DN key to select the desired program and press the ±-R or L. - key to modify the mixing value. This function setup is available only if 2 to 3 servos are selected in the SWASH in the Function Menu.

CCPM is a type of pitch mixing. Several servos connect to the swashplate to drive the pitch together. Two types of swashplate are available.

(1), 2 servos 180 degrees

It uses two servos spaced at 180 to drive the swashplate and to alter the pitch.



The bigger the swash mixing value the larger the movement will be.

(2) 3 servos 120 degrees

It uses three servos spaced at 120 to drive the swashplate and to alter the pitch.

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The bigger the swash mixing value the larger the inovernent will be.

8,6 (ATSMix): Revolution Mixing

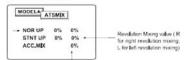
Press the ENT key to enter the Function Menu. Press the UP or DN key to select MDSET and access by pressing the ENT key, Press the UP or DN key to select SWAATS and access by pressing the ENT key. Press the UP or DN key to select ATSMix and press the ENT key to enter.

Revealution Mixing function mixes tail note input with the Throttlef Cellberlive function to counternat the main noter blades torque. If the function is set properly, the helicopter will not yaw during ascent or descent. The changes of main noter RPM and pitch will result in a torque change, so the tail rotor pitch should able to compensate for this torque. There are two revolution mixing programs in the WK-2801: NORM and STNT. NORM is corresponding with the flight mode Normal, and STNT corresponding with the flight mode of ST-1 and ST-2, Each revolution mixing program offers.

two adjustment points: UP and DN, UP is used for the tail rotor compensation for the throttle stick settings from middle to high, DN adjusts the tail rotor compensation for the throttle stick settings from middle to low, L and R show the direction of compensation,

Revolution Mixing Setup

The following setup method is used for the clockwise main rotor helicopter. Set the rudder tim and revolution mixing to zero, Adjust throttle and pitch curve so the throttle stick will be in the neutral position when helicopter is hovering. If the tall notor yaws, adjust the Inixage length of the rudder servo until the rudder as stable and doesn't yaw. When the helicopter's hover in stable, increase the throttle stoke gradually to make the helicopter second, if the helicopter with the tall facing the plot) yaws left, increase the UP value. If the helicopter yaws right, decrease the UP value, Repeat this step until the helicopter goesn't yaw, Next hover the helicopter at a safe height, pull down the throttle stok to the lowest position. During the descending process, if the helicopter yaws right, increase the DN value. If the helicopter yaws fift, decrease the DN value, Repeat the stop until the helicopter gravs sight, decrease the DN value. Repeat the stop until the helicopter doesn't yaw.



Acceleration Mixing value



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Acceleration Mixing

Acceleration Mixing function is used to compensate for the torque changes in the process of acceleration and deceleration, add or changes in the process of acceleration, add or changes in the work when quickly or slowly accelerating or decelerating the thronton. You must set revolution mixing value before setting acceleration grade process or with the aid of a gyror the acceleration Mixing acceleration while with the aid of a gyror the acceleration while only value setting is not necessary, but set the acceleration value of the processary.

8.7 Gyro Sensitivity Adjustment and Throttle Hold

Press ENT key to enter the Function Menu, Press UP or DN key to select the MDSET and access by pressing the ENT key. Then press UP or DN key to select GYRRILD and press the ENT key to enter. There are two selections on GYRHLD screen: GYROSENS and THERE ID.

8,7,1 (GYROSENS) Gyro Sensitivity setup:

Press the UP or DN key to select GYROSENS and access by pressing the ENT key. Then press the +, R or L, - key to open the setting screen.



Two switch modes for various gyro sensitivities are available: Manual and Automatic, You can select AUX2/ GYRO switch to control the Gyro sensitivity or select flight mode to change the Gyro sensitivity automatically. In the condition of no tracking, increasing the sensitivity is better.

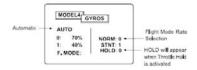
8.7.2 Manual Gyro Sensitivity Adjustment

Manual Gyro Sensitivity Adjustment is controlled by AUX2/GYRO switch. Two different Gyro Sensitivity can be selected, Position 0 is suitable for static flight and its sensitivity is approximately 70%, Position 1 is suitable for altitude flight and the sensitivity is approximately 40%.



8.7.3 Automatic Gyro Sensitivity Adjustment

The Automatic Gyro. Sensitivity Adjustment feature allows the plot to automatically allow the sensitivity of the gyro from either two pre-determined settings through the use of the Flight Mode. Switch, As different flight modes are selected (Normal, STIL, STIL, PLO), the Gyro's issensitivity rate will switch to the pre-determined compensation rate for each particular flight mode.



8,7,4 Inhibiton

Press the UP or DN key to move the cursor arrow to AUTO or GYROS/AUX2, Then press the *, R or L, - key until the mode is changed into INH.



8,7,5 THRHLD: Throttle Hold

In the GYROHLD menu, press the UP or DN key to select THROHOLD

and access by pressing the ENT key, Then press the +, R or L, - key to open the setting screen,



The purpose of executing "THRH.LD (Through Hold)" is to offer the plot Autorotation Landing protection, Switch THRH.LD forward to ON and backward to OFF. The factory setting for the throttle hold is inhibited (BHH), it can be activated (ACT) by pressing the *, R or L. *key. Once ACT is selected, HOLD Post, will appear on the screen. That most the throttle holds at that postition, The adjustable range is from 20% to ±50%, it is recommended to set the engine speed to follow.





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Adjustment Step

- Start the engine, and leave your helicopter on the ground. Ensure the throttle stick is at the lowest position. The engine is running at idling speed and main rotor blades are not rotating.
- Switch the Autorotation Landing switch to ON position. If a flameout
 of the engine happens, please increase the value of HOLD Pos and
 repeat Step 1.
- If the engine RPM at idling speed is too fast, please decrease the value of HOLD Pos.
- Keep redoing the adjustment until no flameout happens and main rotor blades don't rotate.
- 5) To cancel the Throttle Hold function, alter ACT to INH.



Throttle Hold switch is in the state of inhibition.

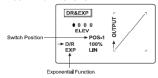
8,8 DR&EXP: Dual Rate and Exponential Function

Press the ENT key to proceed to the Function Menu, press the UP or DN key to select the MDSET and access by pressing the ENT key. Then press the UP or DN key to select DR & EXP and access by pressing the ENT key.

Dual rates are available for the aleron, elevator, and rudder channels of your helicopter. The adjustable travel range is from 0 to 125%. The default value is 100%. Either switch position of 0 or 1 may be selected as the low or high rate. This can be achieved as long so you place the switch in the desired position and adjust the value accordingly.

The exponential function (EXP) can be adjustable from 0% (LIN, Linear) to 100% in 1% increment. Exponential function only affects the sensitivity of the stick near the central location, but doesn't affect the travel amount. If the exponential function is set as positive value, the stick at the central focation will be gentle.

Dual Rate can be defined as the ability to alter the travel or throwtee of a servor from a switch. Due to various travel rates, you will find the sensitivity of the stick will increase or decrease accordingly. When the dual rate is set high, the sensitivity all accordingly increase. Dual rate running in conjunction with the exponential function will help you more precisely adjust your control throws.



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8.8.1 Automatic Dual Rate and Exponential Function

Press the UP or DN key to access the following graphics.



When Automatic Dual Raise function is activated (ACT), switching the Flight Mode switch to ST-1, ST-2, or switching the Autorotation Landing to ON. the Dual Raises of the alleron, elevator and nutder should be switched to the Postion 1, if the Automatic Dual Raise function is set as one flight mode, when you switch to the flight mode, the AUTO will appear on the DIR screen, Press the UP or ON key to move the cursor to the desired model, and press the Lor R key to change the current status into ACT or INH.



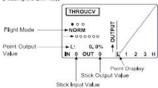
8.9 CURVE: Curve

In the Function Menu, press the UP or DN key to select the MDSET and access by pressing the ENT key. Then press the UP or DN key to select the CURVE and enter by pressing the ENT key. It includes two selections: Throttle Curve and Pitch Curve.



8.9.1 (THRCURVE): Throttle Curve

Press the UP or DN key to select the THRCURVE and access by pressing the ENT key.





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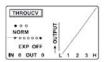
The WK-2801 offers three fight modes: N (Normal suitable for hovering and state fight), ST-1 and ST-2 (ST-1 and ST-1 and

8,9,2 Exponential Throttle Curve Function

In the CURVE Menu, press the UP or DN key to select the THRGURVEL.



Access by pressing the ENT key. Press the UP or DN key until EXP OFF or EXP ON appears on the screen.



Press the L. - or +, R key to change EXP OFFinto EXP ON,

The Thruttle curve can be set as either straight (lin, liner) or curved (exp, Exponential, The characteristic of the exponential curve is to make the servo move smoothly.

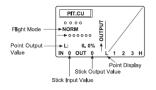
8.9.3 (PITCURVE) / Pitch Curve

Press the ENT key to enter the Function Menu. Press the UP or DN key to select MDSET and access by pressing the ENT key. Press the UP or DN key to select the CURVE and enter with the ENT key. Press the UP or DN key to select the PITCURVE and access by pressing the ENT key.

The method for setting Pitch Curve is very similar to the Throttle Curve. There are four flight modes: N (Normal), ST-1, ST-2, and THRO Hold (Throttle Hold). Every flight mode has a separate pitch curve with 5 adjustable points: L (tow. the throttle stick is at the bewest position), stunt 1, stunt 2, stunt 3, and H (High, the throttle stick is at the highest position). Let the UP or DN key to move to the desired point and press the L or R key to after the value. The adjustable range

Note: when setting pitch curve for throttle hold, make sure that the throttle hold function is set to be ACT. This operation won't be valid if the throttle hold function is set to be INH.

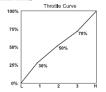
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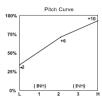


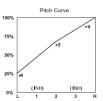
8.9.4 Examples of the Throttle Curve and Pitch Curve

The examples are only for your reference. Adjustment to the actual flights is a must.

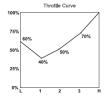
Flight mode: Normal



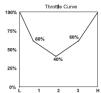




Flight Mode 1

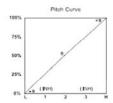


Flight Mode 2

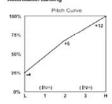


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8.10 (PROGMIX): Program Mixing

Four sets of program mixing allows you to accurately combine and adjust the mixing value.

In the Function Menu press the UP or DN key to select MDSET and access by pressing the ENT key. Then press the UP or DN key to select PROGMIX, and press the ENT key to enter, There are four sets of program mixing in total.



Press the UP or DN key to select the desired program and press the *, R or L, - key to change OFF into ON and access the mixing setting screen by pressing the ENT key.

MODEL PROGN	*EX
- PROGMEX1	ON
 PROGMEX2 	OFF
 PROGMEX3 	OFF
• PROGMEX4	OFF

france -



Press the UP or DN key to select the desired program and press the +, R or L. key to change the setting. Then press the ENT key to save and exit. Mixing can be done in any two channels and the mixing setting methods for four sets are the same,

8.11 (FAILSAF): Fail-safe

In the Function Menu, press the UP or DN key to select MDSET and access by pressing the ENT key, Press the UP or DN key to select FALLSAT enter by pressing the ENT key, Press the UP or DN key to select the desired channel and press the -R or L - key to modify the settling value or set the tack to the desired position and press the ENT key to save. To cancel this function, press the ENT key to MIN Happears, Press the ENT key to oxit.





8.12 (MONITOR): Monitor

In the Function Menu menu, press the UP or DN to select the MDSET, and access by pressing the ENT key. Then press the UP or DN key to select MONIT and enter by pressing the ENT key. At this time, the output value of each servo appears. Each bar center displays the neutral position. Left or right dots indicate 50%, 100%, and 150%.

ELEV		- 2	-			
ABLE		-1			- 1	
THRO		- 2			- 1	
RUDD		-1	- +			
GEAR		-1	-		- 1	
PIT.		- 1		-	_ 1	
AUX2		- 2			-1	
AUX3		- 2			- 1	
	50	100	50	50	100	150

9.0 Parameter Setup for Airplanes

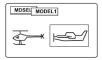
9.1 Choose the model firstly.

In the Function Menu, press the UP or DN key to select MDSEL and access by pressing the ENT key, Then press the UP or DN key to select TYPE.



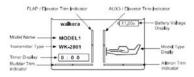


Access by pressing the ENT key. Then press the + R or L - key to select airplane and save by pressing ENT





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9,2 System setup

9.2.1 (MDSEL) / Model Selection

9.2.1.1 (MDSEL) / Model Selection

In the Function Menu, press the UP or DN key to select MDSEL and access by pressing the ENT key, Press the UP or DN key to select MODEL and access by pressing the ENT key,

WK-2801 can keep the memory of up to eight models, in order to avoid confusion, it is recommended to input names for each model. The selected Model is highlighted, Press the ENT key to save and go back to the previous Menu.

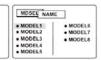




9.2.1.2 (NAME); Name

It is recommended to input the names of each model. On the MDSEL screen, press the UP or DN key to select NAME and access by pressing the ENT key. Then press the UP or DN key to select MODEL and save by pressing the ENT key.





Press the UP or DN key to move the cursor arrow to the desired character, Press +. R or L. - key to select the characters and press the ENT key to save, Press the EXT key to return to the MDSEL screen to select the model type.



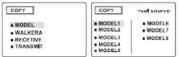
9.2.2 (COPY): Copy

WK-2801 features a memory and copy function that stores and copies the programmed data for up to eight models. It also has the ability to copy data between two WK-2801 transmitters.

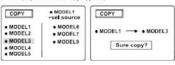
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9,2,2,1 Data of up to eight models stored in the WK-2801 can be copied to another model within the same transmitter.

Press the EXT key first, then press the ENT key to enter the Function Menu, Press the UP or DN key to select COPY and access by ressing the ENT key. Then press the UP or DN key to select MODEL and access by pressing the ENT key. At last, press the UP or DN key to select the doctard model menus.



Press the ENT key to confirm, Then press the UP or DN key to select the model that you wish to copy the model to, Then press the ENT key, and a inquiry screen "sure copy" appears,



Press the ENT key to save if you are sure it is correct Then the copy

process appears. A short moment later, copy is over and system returns to the Function Menu. Press the EXT key to exit.



9.2.2.2 Copy between two WK-2801 using wireless technology

Setup for the WK2801 for wireless data transfer

Press the EXT key first, then press the ENT key to enter the Function Menu, Press the UP or DN key to select CCPY and access by pressing the ENT key, Press the UP or DN key to select TRANSMIT and access by pressing the ENT key, Press the UP or DN key to select the desired model and press the ENT key to enter the confirmation screen, Press the EXT key to exist the ENT key to the the Confirmation screen. Press the EXT key to when the transfer is done.





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Setup for the WK-2801 to receive wireless data transfer

Press the EXT key, then press the ENT key to enter the Function Menu. Press the UP or DN key to select COPY and access by pressing the ENT key, Press the UP or DN key to select RECENE and access by pressing the ENT key. The searching screen "Connect..." appears. It changes to "Receive..." when it obtains the copy signal.



The following screen will appear when it gets the copy information. Press the UP or DN key to select the model you want to store the copy to and press the ENT key to enter the confirmation screen.



Press the ENT key to enter the confirmation screen. And press the ENT key to confirm. It will go back to the main menu after finishing copying.



9.2.3 (STICK) Stick Setup

9.2.3.1 Data Selection for the Throttle Model

Press the ENT key to enter the Function Menu, Then press the UP or DN key to select STICK and access by pressing the ENT key. Press the UP or DN key to select STICK. Press the +. R or Levy to select TH-RIGHT or TH-LEFT. Then press the ENT key to save. At the same time, you must change the throttle hand in the transmitter accordingly.



9,2,3,2 (COMPTB) Output type Selection

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select STICK and access by pressing the ENT key.

Press the UP or DN key to select COMPTB, Press the *, R or L, - key to select 2801. Then press the ENT key to save the change.



9.2.3.3 (IDECODE) ID Code Setup

Press the ENT key to enfor the Function Menu. Then press the UP or DN key to select STICK and access by pressing the ENT key. Press the UP or DN key to move the cursor arrow to IDECODE, Then press the + R or L, + key to open the desired setting value, Press the UP or DN key to move the cursor arrow to the desired data position, Press the +, R or L, - key to set the data, Then press the ENT key to save, When IDECODE remains unset (RANDOM), system wall assign the ID code automatically.

STICK	
STICK	TH-RIGHT
COMPTB	2801 (Def.)
* IDECODE	RANDOM

STICK	
STICK	TH-RIGHT
COMPTB	2801 (Def.)
IDECODE	SET
CODE:	002569

9.2.4 Input Setup

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select INPUT and access by pressing the ENT key. Press the UP or DN key to move the cursor arrow to the desired menu. Then press the ". R or L. " key to set the control switch or it state. Settings of GEAR nature GEAR, AUXS and PNI, Settings of AUX2 include F.MOD. AUX3 and NH, White settings of FALP include FLAP ELAPSYS and INH.



9.2.5 (WING): Wing Selection

Press the ENT key to enter the Function Menu, Press the UP or DN key to select WING and access by pressing the ENT key, Press the UP or DN key to select the desired wing, Press the + R or L - key to set the control condition. Three wings are available, (See the graphics.)





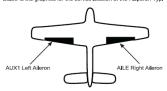
WK-2301

9.2.5.1 (FLAPERON) Flaperon Type

Press the UP or DN key to select FLAPERON and press the +, R or L. - key to change OFF into ON. Then save by pressing the ENT key and exit...



Below is the graphics for the servos location of the Flaperon Typ.

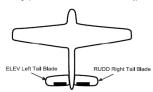


9.2.5.2 (V-TAIL) V-tail Type

Press the UP or DN key to select V-TAIL and press the +. R or L, - key to change OFF into ON, Save by pressing the ENT key and exit.



Below is the graphics for the servos location of the V-tail Type.



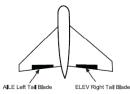
W/K=28091

9.2.5.3 (DELTA) Delta Type

Press the UP or DN key to select DELTA (The cursor cannot reach DELTA when either FLAPERON or V-TAIL is turned ON) and press the +. R or L. - key to change to ON. Save by pressing the ENT key and exit.



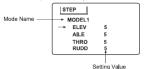
Below is the graphics for the servos location of the Delta Type.



9.2.6 (STEP) Trim Step Setup

Press the ENT key to enter the Function Menu, Then press the UP or DN key to select STEP and access by pressing the ENT key. Press the UP or DN key to select the current mode and access by pressing the ENT key.Range of trim step is from 1 to 10.

Range of trim step is from 1 to 10. Press the UP or DN key to move the cursor arrow to the desired channel, Press the +. R or L. - key to modify the setting value. The larger the setting value, the bigger the trim step will be, At last, press the ENT key to save and exit.



Setting

9.2.7 (DISP) Display

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select DISP and access by pressing the ENT key.





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9,2,7,1 (LCD CON) LCD Contrast Adjustment

Press the UP or DN key to select LCD CON. The screen contrast will change by pressing the +.R or L.- key to set the contrast.

9.2.7.2 (LCD LED) Backlight Switch

In order to change the the backlight, press the UP or DN key to move the cursor arrow to LCD LED, then change ON into OFF by pressing the *.R.or L.- key.

9.2.7.3 Range Test

To guarantee the control range during flying, you can use this function to test the distance,

Put your aircraft in a place where you can see it, Press the +,R or L. key to change RANGE TEST Into DN. Move the servo sticks are you walk backward with the transmitter, Observe the movements of the aircraft, if servois are working properly at a distance of more than 30 meters, the control range has met the requirements, Press EXT to exit the test.



9.2.8 (ALARM) Alarm Setup

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select ALARM and access by pressing the ENT key.

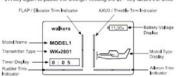
WK-2801 offers the alarm function to set the flight time, battery low voltage and alarm tone.

9.2.8.1 TIMER: Timer

Press the UP or DN key to move the cuisor arrow toTIMER, Then press the +.R or L.- key to set the data. The Maximum value is 59°50" (59 minutes 50 seconds).



Start with the Function Menu, Press the +,R key to start timing and press the +,R key again to pause the timing. Pressing the L, – key clears the time.



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9.2.8.2 Battery Low Voltage Alarm

Press the UP or DN key to move the cuisor arrow to BATTY. Then press the + R or L. - key to set the data. The Max value, the mix value and the factory default value are 10,50V, 7.8V and 7.8V respectively. It is suggested to set the value to 9.0V.

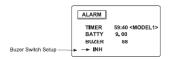


9.2.8.3 (BUZER): Buzer

Press the UP or DN key to move the cuisor arrow to BUZER, Then press the +, R or L, - key to set the data and press the ENT key to save. According to the personal favor, the volume is ranged from 50 to 100.



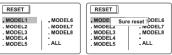
If you don't want the BUZER, press the UP or DN key to move the cuisor arrow to ACT. Then press the +, R or L, - key to change it into INH and press the ENT key to save.



9,2,9 (RESET): Reset

Press the ENT key to enter the Function Menu. Then press the UP or DN key to select RESET and access by pressing the ENT key. Model setting parameter can be reset to the factory default setting by RESET setup.

Press the UP or DN key and move the cursor arrow to select the model you want to reset, and access by pressing the ENT key. Then a confirmation screen of "Sure Reset" appears on the screen, Press the ENT key to reset. Otherwise, press the EXT key to exit.



To restore all the modes to factory default, press the UP or DN key to select ALL and save by pressing the ENT key. Then a confirmation screen of "Reset All appears on the screen, Press the ENT key to reset. Otherwise, press the EXT key to exit.



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9.3 Airplane Function Setup

Press the ENT to access the Function Menu, In the Function Menu, press the UP or DN key to select MDSET and get access to the desired function setup by pressing the ENT key.

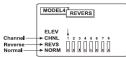
Func.	Menu	MODEL1	
. MDSET	. SWASH	. REVERS	. AILMIX
. MDSEL	. STEP	. SUBTRM	. LANDING
. COPY	. DISP	. TRVADJ	. PROGMIX
. STTCK	. ALARM	. DR & EXP	. FAILSAF
. INPUT	. RESET	. ELEMIX	. MONITOR

9.3.1 Revers/ REVERS: Reverse

Press the UP or DN key to select REVERS and access by pressing the ENT key. Then press the +. R or L. - key to change the direction.

The reverse function allows electronic reversing of servo throw directions. All 8 channels have servo reversing function making it more convenient to set up the servos.





9.3.2 SUBTRM: Subtrim

Press the ENT key to enter the Function Menu. Press the UP or DN key to select the MDSET and access by pressing the ENT key. Then press the UP or DN key to select SUBTRM and access by pressing the ENT key. Press the UP or DN key to select the desired channel. And press the +, R or L, - key to adjust the direction and data. Press the ENT key to save and exit. The subtrim function allows you to electronically fine tune the centering of your servos. All the eight channels can be individually adjusted with a range of 250. It is recommended that you set up the servo center mechanically by adjusting the bell crank position

0



Note: Don't overuse the SUBTRM function as it may overdrive the servo's maximum travel.

9.3.3 TRV ADJ: Travel Adjustment

Press the ENT key to enter the Function Menu, Press the UP or DN key to select the MDSET and access by pressing the ENT key. Then press the UP or DN key to select TRVADJ and access by pressing the ENT key, Press the UP or DN key to select the desired channel, And press the +, R or L, - key to modify the setting value, Press the ENT key to save and exit.

The TRV ADJ function can precisely set the rotating angle of the servos, The travel adjustment range is from 0 to 150% (0 to 60) and both upward and downward directions can be adjusted independently. All the factory settings are 100%, There are two pages for travel adjustment settings, Press the DN or UP key to access,





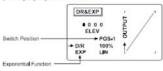
9,3,4 Dual Rate and Exponential Function

Press the ENT key to proceed to the Function Menu, press the UP or DN key to select the MDSET and access by pressing the ENT key. Then press the UP or DN key to select DR & EXP and enter by pressing the ENT key.

Dual rates are available for the aleron, elevator, and rudder channels of your aircraft. The adjustable travel range is from 0 to 125%. The default value is 100%. Either switch position of 0 or 1 may be selected as the low or high rate. This can be achieved as long as you place the switch in the desired position and adjust the value accordingly.

The exponential function (EXP) can be adjustable from 0% (LIN, Linear) to 100% in 1% increment, Exponential function only affects the sensitivity of the stick near the central beation, but doesn't affect the travel amount, if the exponential function is set as positive value, the stick at the central location will be ontific.

Dual Rate can be defined as the ability to alter the travel or throw rate of a servo from a switch. Due to various travel rates, you will find the sensitivity of the stick will increase or decrease accordingly, Whom the dual rate is set high, the sensitivity will accordingly increase, Dual rate running in conjunction with the exponential function will help you more precisely adjust your control throws.





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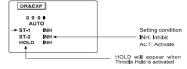
9.3.4.1 Automatic Dual Rate and Exponential Function

Press the UP or DN key to access the following graphics.



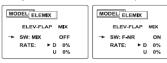
When Automatic Dual Rate function is activated (ACT), switching the Fight Mode switch to ST-1, ST-2, or witching the Autorotation Language to ON, the Dual Rates of the alteron, elevator and rudder should be switched to the Position 1, If the Automatic Dual Rate function to as as one flight mode, when you switch to the flight mode, the AUTO will appear on the Drill screen.

Press the UP or DN key to move the cursor to the desired model, and press the +, R or L, - key to change the current status into ACT or INH.



9.3.5 ELEMIX : Elevator Flap Mixing

Press the ENT key to enter the Function Menu, Press the UP or DN key to select MDSET and access by pressing the ENT key. Then press the UP or DN key to select ELEMIX and access by pressing the ENT key. Press the UP or DN key to move the cursor to SW, then press the +-X or L-k key to select the control switch. Switch it to the position of ON.



Press the UP or DN key to move the cursor to RATE. Press the +.R or L.- key or move the ELEV stick to set the mixing parameter and press the ENT key to save and exit.



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9.3.6 (AILMIX) Aileron&Rudder Mixing

Press the ENT key to enter the Function Menu. Press the UP or DN key to select the MDSET and access by pressing the ENT key. Then pressthe UP or DN key to select AlLMIX and access by pressing the ENT key. Press the UP or DN key to move the cursor arrow to SW, then press the +, R or L, - key to select the control switch. Switch it to the position of ON, Press the UP or DN key to move the cursor arrow to RATE, then press the +. R or L. - key to set the mixing parameter and press the ENT key to save and exit.



MODEL AILMIX				
	ELEV-RUDD	MIX		
	SW: F-NR	ON		
-	RATE:	30%		

9.3.7 (LANDING): Landing System

Press the ENT key to enter the Function Menu. Press the UP or DN to select the MDSET and access by pressing the ENT key. Then press the UP or DN key to select LANDING and access by pressing the ENT key. When you want to use the Landing System, set AUTO to ACT.



MODEL	LAN	IDING
→ AUT	0	ACT
FLA	Р	D200
ELE	V	0
THR	0	0%

Press the UP or DN key to move the cursor to FLAP/ELEV, then press the +. R or L. - key to set the position data of FLAPELEV. Press the UP or DN key to move the cursor to THRO and move the throttle stick to the position in which the landing system will act. Press the +. R or L - key to confirm the current position. Then the program THRO shows the current setting value of the throttle stick and the state of LAND. When you want to cancel the function, set AUTO to INH.

AUTO ACT	MODEL LANDING				
AUIU ACI					
FLAP D200					
ELEV D150					
→ THRO 30% LAN	ID				

MODEL LANDING			
-	AUTO	INH	
	FLAP	D200	
	ELEV	D150	
	THRO	30%	

9.3.8 (FLAPSYS): Flap System

Flaperon System only acts when FLAP is set to be FLAPSYS. Method: Press the ENT key to enter the Function Menu, Press the UP or DN key to select the INPUT and access by pressing the ENT key. Then press the UP or DN key to select FLAP and press the +. R or L. - key to set the state of FLAP to FLAPSYS.

INPUT				
GEAR:	GEAR			
AUX2:	AUX2			
AUX3:	F.MOD			
→ FLAP:	FLAPSYS			



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Flaperon System setup: Press the ENT key to enter the Function Menu. Press the UP or DN key to select the MDSET and proceed to the MODEL screen. Press the UP or DN key to select FLAPSYS and enter by pressir the ENT key. Then press the +, R or L, - key to set the state of AURO to INH or 0%.





Move the throttle stick to the position in which the flap system will act. Press the +, R or L, - key to confirm the current position, The AUTO program shows the current setting value of the throttle stick. If you want to cancel the function, set AUTO to INH. Press the UP or DN key to move the cursor to the desired switch state and press the +, R or L, - key to set each parameter. The switch state will appear on the right corner of the screen when you enable the FLT MODE switch.

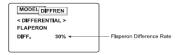


Setting value

9.3.9 (DIFFREN) Flaperon Difference

To set Flaperon Difference set, FLAPERON in the menu WING must be ON. (See Flaperon Difference)

Press the ENT key to enter the Function Menu, Press the UP or DN key to select MDSET and proceed to the MODEL screen by pressing the ENT key. Press the UP or DN key to select DIFFREN and enter by pressing the ENT key. Then press the R or L key to set the flaperon difference rate.



9.3.10 (PROGMIX): Program Mixing

Five sets of program mixing allows you to accurately combine and adjust the mixing value,

In the Function Menu, press the UP or DN keyto select MDSET and access by pressing the ENT key. Then press the UP or DN key to select PROGMIX, and press the ENT key to enter. There are five sets of program mixing in total.

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Press the UP or DN key to select the desired program and press the +, R or L, – key to change OFF into ON, And get access to the mixing setting screen by pressing the ENT key.

MODEL PROG	SMEX
. PROGMIX1	ON
, PROGMIX2	OFF
. PROGMIX3	OFF
. PROGMIX4	OFF
. PROGMIX5	OFF

PROGMIX		
ELEV ELE	v	
SW:GEAE	OFF	
OFFS: 0	RATE:	0%
OFFS: OFF	RATE:	0%

Press the UP or DN key to select the desired program and press the +, R or L.* key to change the setting. Then press ENT to save and exit, Mixing can be done in any two channels and the mixing setting methods for five sets are the same.

9.3.11 (FAILSAF): Fail-safe

In the Function Menu, press the UP or DN key to select MDSET and access by pressing the ENT key, Press the UP or DN key to select

FAILSAF and enter by pressing the ENT key, Press the UP or DN key to select the desired channel and press the R or L key to modify the setting value or set the strick to the desired position and press ENT to save. To cancel this function, press the ENT key until INH appears, Press the EXT key to wait.

MODEL	FAILSA	F	
-ELEV	INH	GEAR	INH
AILE	INH	FLAP	INH
THRO	INH	AUX2	INH
RUDD	INH	AUX3	INH

	MODEL FAILSAF			
NH.	ELEV	D400	GEAR	INH
NH.	ALE	INH	FLAP	INH
чн	THRO	INH	AUX2	INH
чн	RUDD	INH	AUX3	INH

9.3.12 (MONITOR) : Monitor

In the Function Menu menu, press the UP or DN key to select the MOSET, and access by pressing the ENT key. Then press the UP or DN key to select MONIT and enter by pressing the ENT key. At this time, the output value of each serve appears, Each bar center displays the neutral position, Left or right dots indicate 50%, 100% and 150%.

AUX2 E	-	-	•	1	=
PRT.	-	•		1	=
GEAR [-			1	=
RUDD [-		-	-1	=
THRO C	-			-1	=
ARE C	- 1			-1	\Rightarrow
ELEA [-	•			_



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9.3.12 Hot-key setting

The WK2801 offers the Hol-key function to handle the frequent setting pages as hot keys (shortcut key). If the plot wants to set the servo Traval Adjustment (refor to Traval Adjustment) as the Hot Key, for example, he just presses the EXT key and the corresponding hot key to get the desired page after the servor Traval Adjustment is set up. The function is capable of setting not keys, The correct method of setting hot keys is as follows:

In the Function Menu, press the UP or DN key to select MDSET and access by pressing the ENT key. Then press the UP or DN key to move the cursor to the desired program and enter by pressing the ENT key. Then press the UP or DN key to select the hot key and press the ENT key to save. When accessing the hot key setting, just simultaneously press the EXT key and the corresponding key.



Warranty information

Important: please properly keep the original dated sales invoice, which you must show in the event that your Walkera transmitter needs service under warranty condition.

Warranty range

You should offer the original invoice with purchase date, model No, and product series Guarantee card Resort the copy of original invoice, maintenance for free in one year (no factious fault), over one year only need to pay for the accessory fee. The guarantee is untransferable and Invited to original purchaser,

Caution

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

(1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

The manufacture is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

