

Microzone[®]



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User Manual

Read carefully before using

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Product parameters



MC10 2.4GHz

Color: Black

Transmission frequency: 2.4GHz

Support 180/270 degree servo

Can store 15 groups of model settings

Working voltage: DC 4.5V-12.6V

Channel resolution: 2048 resolution

Operating system support: Chinese, English

Support setting any channel out of control protection

Number of transmitter channels: 10 proportional channels

Support all knobs, switch custom functions

Support 4AA battery power supply or 2 lithium battery power supply

For transmitter compatibility, please refer to 19 RF standards in this manual.

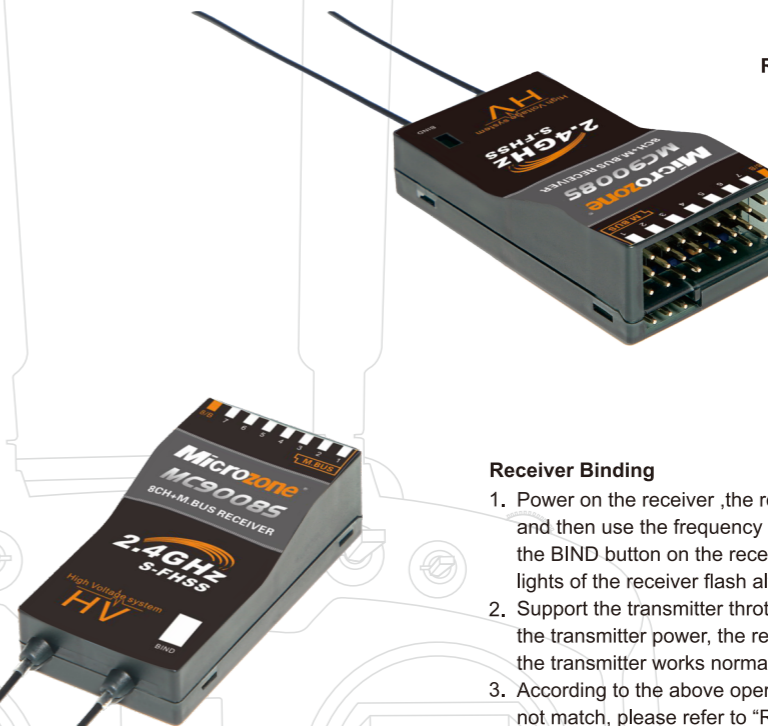
2.4-inch LCD display (supports resolution 136 * 64)

Suitable models: fix wings, helicopter, multi-rotor, car, boat, robot

Dual antenna transmit power, stronger transmit signal, overall transmit power is less than or equal to 100mW

Packing List

One transmitter, one receiver, one manual, one accessory package.



Receiver wire connecting method

S + -	CH8
S + -	CH7
S + -	CH6
S + -	CH5
S + -	CH4
S + -	CH3
S + -	CH2
S + -	CH1
S + -	S.BUS

Receiver Binding

1. Power on the receiver ,the red light of the receiver will be on, and then use the frequency converter marked with "BIND" to click the BIND button on the receiver. At this time, the red and green lights of the receiver flash alternately.
2. Support the transmitter throttle stick in the lowest position, turn on the transmitter power, the receiver's green light is always on, then the transmitter works normally.
3. According to the above operation, if the transmitter and receiver do not match, please refer to "RF System" on page 9 for instructions.

1. Using Instructions

Thank you very much for purchasing our digital proportional radio remote control equipment. In order to use this product correctly, please read this instruction carefully before use. Please store it for future reference after reading it.

If you encounter any problems during use, please refer to the contents of the directory for answers. This manual explains each function of the remote control equipment one by one. The purpose and operation methods of each menu are described in detail, and operation diagrams are provided. In order to demonstrate the setting process of each function, step-by-step examples are explained in each menu, and the display content of the LCD screen is provided. Explain.

After sales service

- With the purchase certificate, free maintenance within six months (non-human damage)
- With the purchase certificate, lifetime warranty (only charges for components)
- Provide technical support at any time

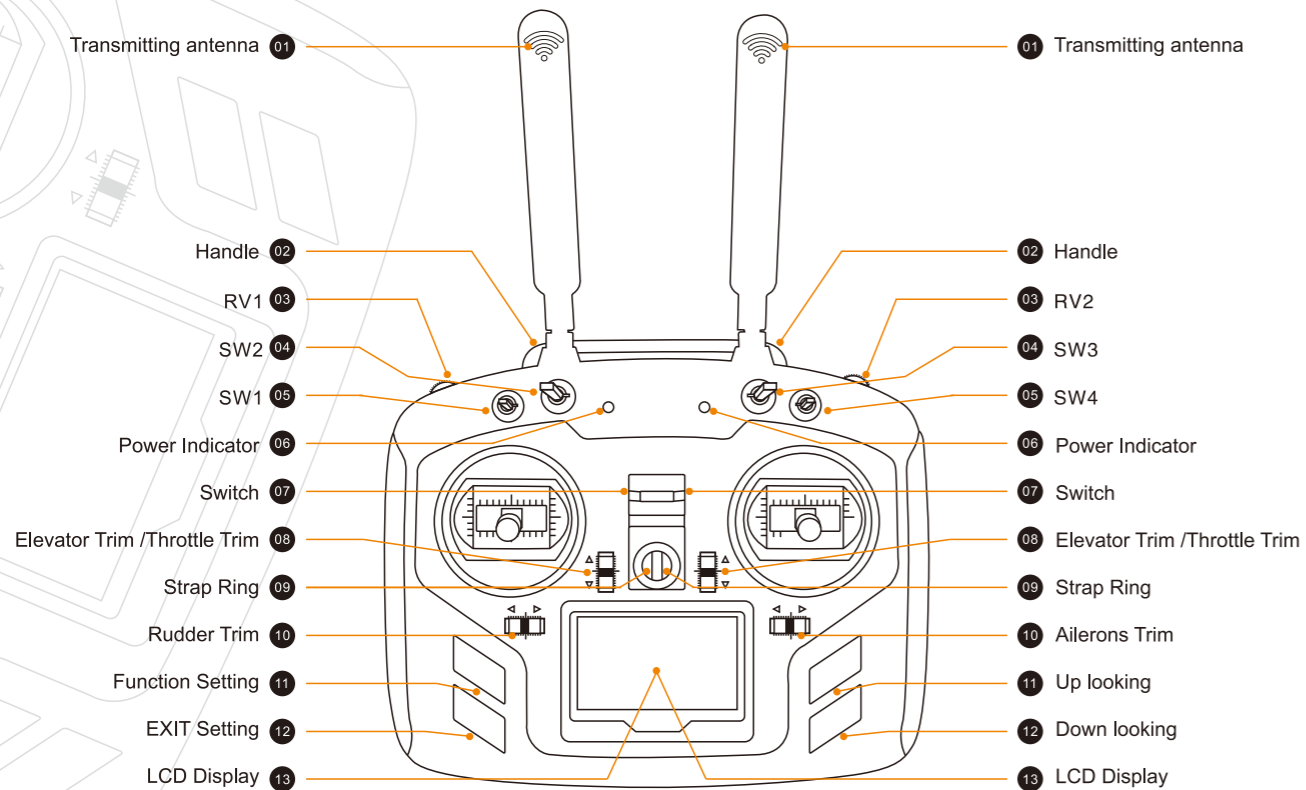
Precautions

- Do not modify the device to prevent normal use
- Do not allow the equipment to enter the water, otherwise it will cause operation failure or burn out.
- If using it for the first time, please confirm whether it is connected to the receiver
- If it is not in use for a long time, please remove the battery

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2. Component name

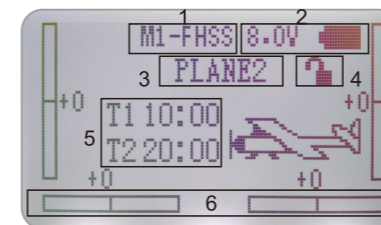
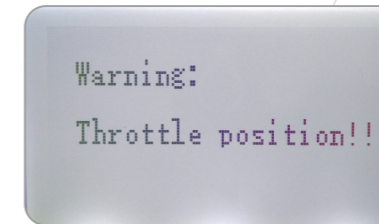


3. Features

3.1 When the remote controller is turned on normally, the following LOGO will be displayed.



3.2 If the following prompt screen appears when turning on the remote controller, just pull the throttle to the lowest point.



3.3 Description of each function of the transmitter standby interface, hereinafter called standby screen

- 1.Radio frequency display
- 2.Power display
- 3.Model Type display
- 4.When the transmitter is locked, press "UP / DOWN" to select it, then press ENTER to lock the transmitter to unlock.
- 5.TIMER submenu. Press "UP / DOWN" to select. Select T1 and press "ENTER" to set T1 time. Select the time to the right of T1 and press "ENTER" to actively turn on / off the countdown. Timer setting for T2 is similar. There will be a beep sound prompt when the countdown is 0.

01		1501
02		1501
03		1004
04		1501
05		1500
06		2000
07		2005
08		1000

3.4 Quick view of channels

Press the "EXIT" key to view in the standby screen and the following screen can be displayed.

Press the UP / DOWN button to view the 9/10 channel.
Press the ENTER button to return to the standby interface.

3.5 Function menu overview In the standby screen, press the ENTER button to enter the menu and press UP / DOWN to select, and press EXIT to exit.

1

Settings	
(1)	Model select
(2)	Servo reverse
(3)	End point
(4)	Sub-trim

2

Settings	
(5)	D/R EXP
(6)	Switch set
(7)	Channel set
(8)	Throttle curve

3

Settings	
(9)	Throttle cut
(10)	Atti Selection
(11)	Joystick CALI
(12)	Timer

4

Settings	
(13)	System setup
(14)	Factory reset
(15)	Fail safe
(16)	RF System

3.6 Heli-specific Advance Menu Functions

Settings	
(10)	REVO Mix
(11)	Sens-Gyro
(12)	Swash selection
(13)	Joystick CALI

3.7 Advance Menu For Multirotor

Settings	
(10)	REVO Mix
(11)	Sens-Gyro
(12)	Swash selection
(13)	Joystick CALI

4. Model Select

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select what you like from the model choosing, press ENTER into the below screen. Every model have 5 groups data which can save 5 groups model settings. The aircraft model setting already includes the Glider aircraft settings.

Model select					
QUAD	1	2	3	4	5
PLANE	1	2	3	4	5
HELI	1	2	3	4	5

5. Servo Reverse

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select what you like from the Servo Reverse, press ENTER into the below screen. If in positive direction, turn down the throttle to the bottom will indicate the R/D output 1000us. Turn up the throttle to the top will indicate the R/D output 2000us. In Servo Reverse, urn down the throttle to the bottom will indicate the R/D output 2000us. Turn up the throttle to the top will indicate the R/D output 1000us

Servo reverse					
AILE	100	ELEV	NOR	NOR	NOR
THRO	NOR	RUDD	NOR	NOR	NOR
AUX1	NOR	AUX2	NOR	NOR	NOR
AUX3	NOR	AUX4	NOR	NOR	NOR

6. Servo travel

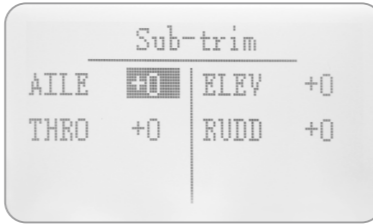
ress ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Servo Travel, press ENTER into the below screen. Set the percentage of the maximum travel for each channel, From Auxiliary 1 to Auxiliary 6 which means the Chanel 5 to Chanel 10.

End point			
AILE	100	ELEV	100
THRO	100	RUDD	100
AUX1	100	AUX2	100
AUX3	100	AUX4	100

End point			
AUX5	100	AUX6	100

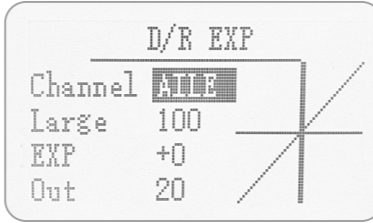
7. Sub-Trim

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Sub-Trim, press ENTER into the below screen. Set the trim value from Channel 1 to Channel 4, this trim value is different from the Trim Press button of the Transmitter, can separately set the servo to the neutral.



8. Rudder Index

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Sub-Trim, press ENTER into the below screen. You can set the Aileron /Elevator/Rudder output the Rudder Index



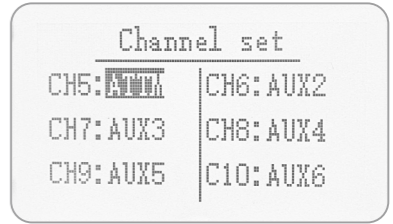
9. On/Off

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Sub-Trim, press ENTER into the below screen. You can set any output functions except the Sticker functions from the Radio Panel.



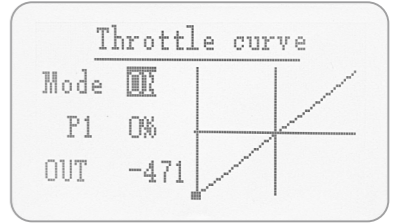
10. Channel Settings

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Sub-Trim, press ENTER into the below screen, e.g. The transmitter default is : SW1 means CH 5 output, SW2 means CH6 output, you can change the output channels in this page.



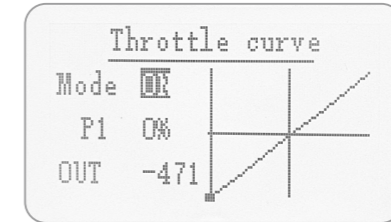
11. Thro Curves

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Sub-Trim, press ENTER into the below screen. Set the Thro Curves, can make 5 points: P1-P5. Default setting for Linear Throttle: P1: 0%, P2:25%,P3:50%, P4:75%, P5:100%. Control rate can be set to 0%-100%.



12. Thro Hold

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Sub-Trim, press ENTER into the below screen. After starting , the default Thro Hold value is +10%, The value can be adjusted between -100% and +50%. Hold switch can be set in any SW1/SW2/SW3/SW4/VR1/VR2 switches. Once turn the setting switch up and down, Throttle can be held to 10% and unlock it.



13. Mix Control

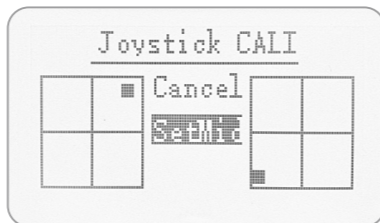
press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Sub-Trim, press ENTER into the below screen. Mix Control can set three modes, Delta Wing, V-tail and Flap/Aileron.

ELE: elevator AIL: aileron RUD: rudder THR: throttle
 AUX1-AUX6: CH5-10 J1-J4: Four Joy stickers SW1-SW4: Four switches
 RV1: Left potentiometer RV2: Right potentiometer



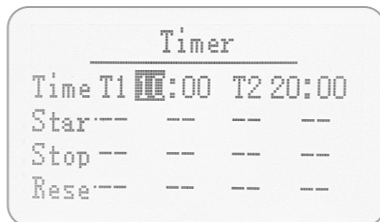
14. Joy sticker Calibration

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Joy sticker Calibration, press ENTER into the below screen. Step 1: Turn the Joy Sticker to the neutral position, and press Down button to select Neutral, then press ENTER button, while the two Dot can be set in the neutral from the two Square excel. Step 2: Please turn the two Joy Stickers for 360° one round, while there will be Confirm show up under the Neutral of the screen, press DOWN to select Confirm, and press ENTER to finish the calibration.



15. Timing Setting

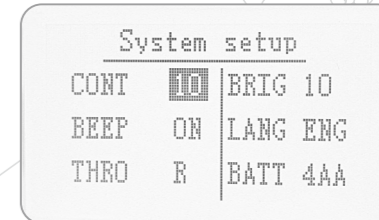
press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Timing Setting, press ENTER into the below screen with two timers T1 and T2. Start: Set the Count down time Stop: Finish the Count down time, Reset: Re-set the Count down time.



16. System Setting

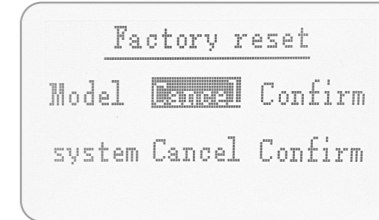
press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select System Setting, press ENTER into the below screen.

Optional instruction:
 Contrast/Bright Adjust: Set the display Contrast and Brightness
 Alarming: Alarming Switch
 Language: Chinese or English display
 Throttle: Left and Right throttle switch.
 Battery: 4AA=4 cells AA battery Li2S:2 cells Lipo , please select the correct battery in case of wrong Alarming voltage display.



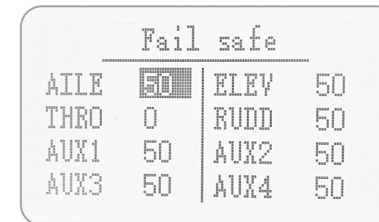
17. Default Setting

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Default Setting, press ENTER into the below screen. Default Setting will be only re-set for the selected model, e.g. if select Aircraft 1, you will only restore the default setting for Aircraft 1 as well as System reset.



18. Fail Safe Protection

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Safe protection, press ENTER into the below screen. You can set any Fail Safe signal for each channel once lost the Transmitter signal, please set the Fail Safe protection directly on the transmitter, the set date will be sent to the receiver through Transmitter, no need to set the receiver, you should re-power on the receiver after setting the Fail Safe protection.



19. RF System

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select RF system, press ENTER into the below screen.

Each system can be compatible with different kind of receiver

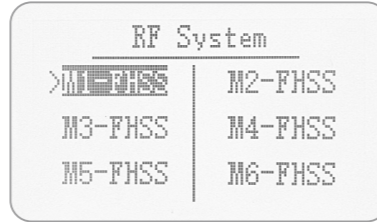
M1-FHSS: compatible with Receiver MC6RE/MC7RB

M2-FHSS: compatible with Receiver > E7R-E/E7-GPS/MC8RE

M3-FHSS: compatible with Receiver > F6

M4-FHSS: compatible with Receiver MC9008S

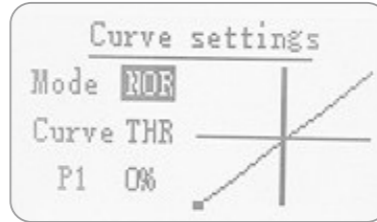
M5-FHSS and M6-FHSS are not used in this system.



20. Curves Setting

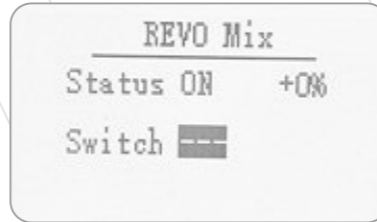
press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Curves Setting, press ENTER into the below screen.

Set the Throttle and pitch curves.



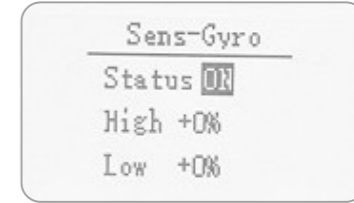
21. REVO Mixed Control

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select REVO Mixed Control, this function will set the mixed control of pitches from the main wing and tail wing, to adjust the airplane balance. If need the self-mixed control, please set the switch to ---.



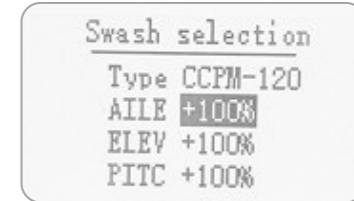
22. Gyro Mixed Control

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Gyro Mixed Control, press ENTER into the below screen. It will adjust the Gyro's intensity.



23. Cross Plate Select

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Cross Plate Select, press ENTER into the below screen.



24. Altitude Setting

press ENTER in the standby screen to enter the Function menu, press UP / DOWN to select Altitude Setting, press ENTER into the below screen.

