



X9S Quick Instruction Manual

WFLY-RC radio manufacturer since 2004

Thank you for purchasing WFLY surface radio X9S!
WFLY X9S is a great radio set with a lot of exciting functions.
We are confident that you will find lots of joy and fun with this radio system.
Before you start to operate it, we recommend that you read through this manual to get the most out of its massive functions!

Shenzhen WFLY Technology Development Co., Ltd
Address: C3 Building, Xiangli Industry Park, Heping Haoye Road, Fuyong Town, Baoan District, Shenzhen, Guangdong Province, China.
Email: service@wflysz.com
Website: www.wflysz.com

1. The sequence of power on and off of transmitter and receiver!

Power on

Transmitter: Firstly press and hold the power button for 3 seconds to turn on your transmitter.

Receiver: After the transmitter is powered on, then switch on your receiver

Power off

Receiver: Please switch off the receiver

Transmitter: Press and hold the power button for 3 seconds to shut down.

Use guaranteed and special charger to charge the battery,

Preserve the battery with special case for safety,

The electronic product should be dry, use alcohol and special cleaner to clean.

Do not force the vulnerable antenna, or it may destroy.

The screen is vulnerable, do not press hard or scratch with sharp things.

Please take care of the product! It can not be placed under sun or in high temperature, wet or dusty place.

2. Power supply range

X9S uses 2S lithium batteries or two 18650 lithium batteries for power supply!

(7.0-8.4V) Charge with other kinds of batteries may damage remote control.

Please charge with standard USB Type-c interface 5V/1.5A power adapter.

3. After-sales policy

Should you have any question or doubt when you are driving this radio, please contact our sales staff. We would be glad to be of any assistance and support.

Email: service@wflysz.com

Wechat: WFLY_RC

Facebook: Wfly RC

4. Product parameters

Radio parameters

Model Name: X9S

Channel: 9 channels, full channel 4096

Frequency band: 2.4GHz (two-way)

Working voltage: 7.0V~8.4V (2S lipo battery)

Working current: 220mA

Transmission power: ≤100mw

Application: RC cars, boats, tanks, etc.

Voice: support voice broadcast

Display: 3.5" 480*320 capacitive touch screen

Storage: 40 models memory

Upgrade: USB upgrade port, HID analog port.

Charging: 2S lipo battery 15W fast charging (Type C)

Language: English

Signal copy: Same version model dat

Simulator interface: 3.5mm TRS (PPM)

Inner bin size: 100x45x18mm

Dimension: 185x147x110mm

Weight: 358g

Receiver parameters

Model name: RG209S

Channel: 9 channels (PWM)

Frequency band: 2.4GHz (two-way)

Working voltage: 3.5V~9.0V

Working current: 95mA

Modulation: LORA

Resolution: Full channel 4096

Application: RC cars, boats, tanks, etc.

Two way transmission: Support

GPS: Support speed detection

Servo: Support 180/270°

Upgrade: USB online upgrade

Servo type: Support 50-400Hz

Temperature: -10°C~+60°C

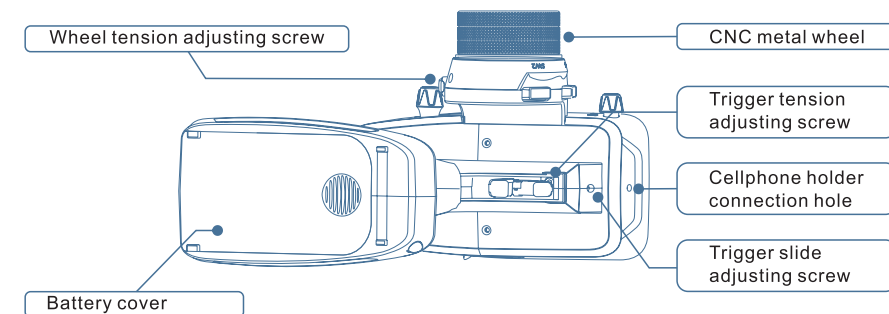
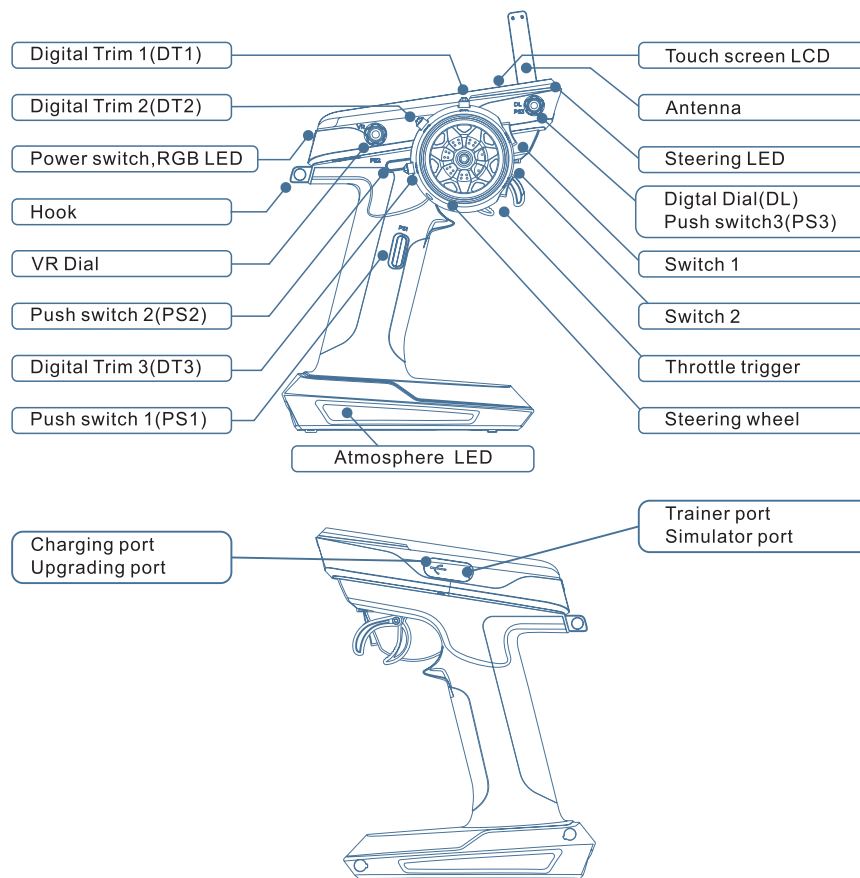
Receiver port settings: Support

External voltage detection: DC 1~36V

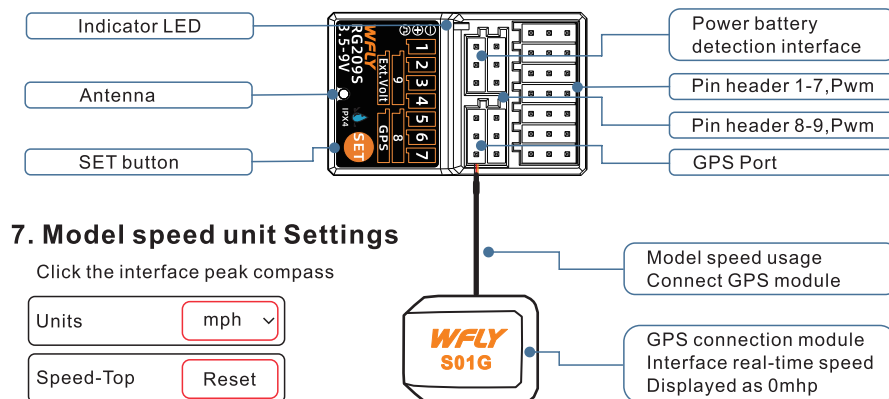
Dimension: 36x22.8x12.6mm

Weight: 8.3g

5. Names of radio parts



6. Receiver

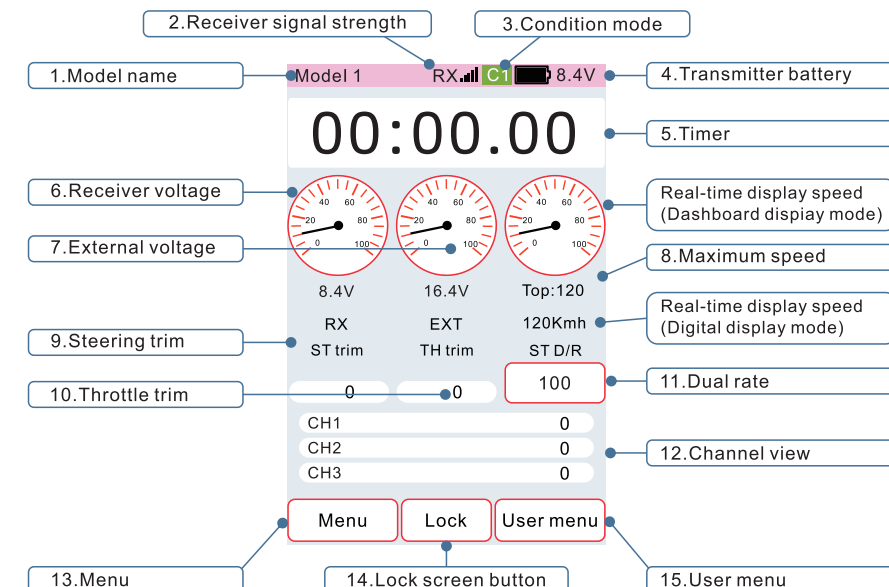


7. Model speed unit Settings

Click the interface peak compass



8. Description of the home screen



Name and Function Introduction

1. Model name

2. Receiver signal strength

3. Condition mode

4. Transmitter battery

5. Timer(Default:PS1)

6. Telemetry data: Receiver voltage

7. Telemetry data: External voltage

8. Telemetry data: Model speed
9. Steering trim(Default control: DT1)

10. Throttle trim (Default)

11. Dual rate (default control: DL)

12. Channel view

13. Menu

14.Lock screen button: long press for 2 seconds to lock/unlock the screen

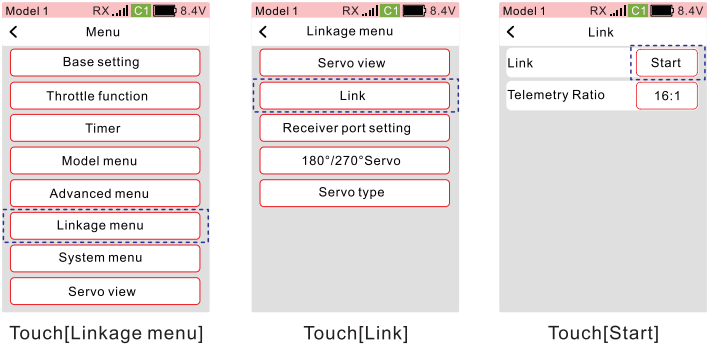
15. User menu (default control: PS2)

9. Link

Warning: When linking, please be careful not to connect the power equipment, and be careful that the sudden output of the engine may cause a shock hazard.

To ensure safety, please do not perform code matching operations when the motor and engine are running.

Path: [Menu]-[Linkage menu]-[Link]



When operating this item, please be careful not to connect the power equipment to ensure safety!

Linking method

Transmitter: Click the start button to enter the link state

Receiver: Power on, press and hold the [SET] button for 3 seconds, the orange LED flashes.

Authentication method

Successful linking: The receiver LED light becomes green and steady

Connect the servo: Operate the corresponding channel of the transmitter, linking successfully if the servo has synchronized action.

Note:

1. Telemetry ratio : Default 16:1, The change takes effect only after the code is reset!

2. The distance between the transmitter and the receiver shall be within one meter.

3. The transmitter cannot be linked in simulator and student mode, mode modification

Path: [Menu]-[System Menu]-[Trainer and simulator]

4. There is no other WFLY 2.4G system in the vicinity that the same protocol is undergoing binding operation.

5. During the binding: If you need to exit, Touch [Cancel].

Receiver RGB LED status

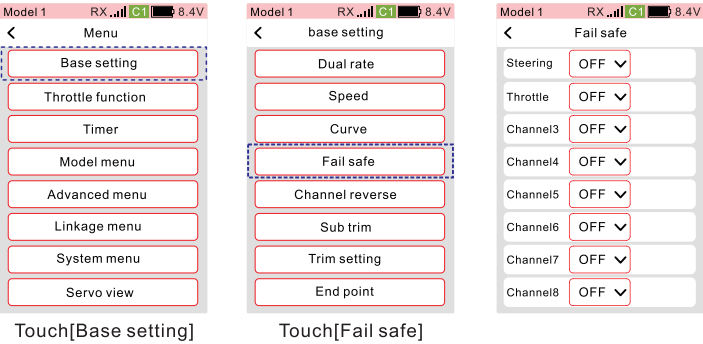
Color	Status	Function
Green	ON	Link successfully
Blue	Flash	Wireless upgrading mode
Red	ON	No signal
	Flash quickly	Voltage < 3.7V
Orange	Flash slowly	Link

10.Failsafe

Importance of F/S protection setting:

If you do not set the F/S protection data, when the model loses control due to some reason, unexpected and uncontrollable actions may occur, causing the boat/car/tank to collide/fall, or even hurt humans. If you set the protection according to the parameters of the smooth driving in advance, then the chance of colliding, losing, or even hurting others after losing control will be much less.

Path: [Base setting]-[Fail safe]



Setting mode

- 1 Hold: Hold mode, the value when the receiver output is out of control (hold action)

2 F/S: Loss of control protection mode, the set value output by the receiver after loss of control (preset action). For safety, it is recommended to set this out of control protection mode, the throttle channel is set to brake action.

3 OFF: Shut down the current channel output.

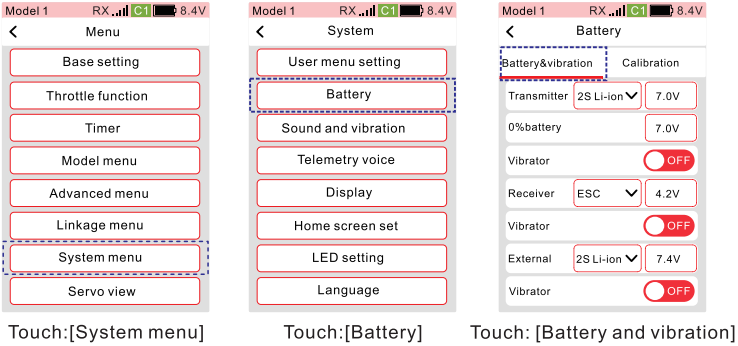
Note: Model fail safe is very important. Failure to set it correctly can cause damage of your RC model, so you must be very careful when setting this function.

11. Warning ⚠

Low battery warning

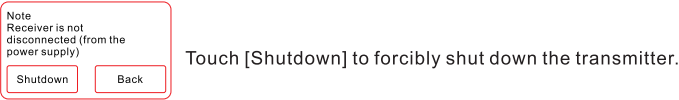
When the transmitter voltage, receiver battery voltage and power battery voltage are lower than the set value (path: [Menu]-[System menu]-[Battery]), the radio will broadcast corresponding voice reminders, such as [transmitter voltage is low, 7.0V],and you can set whether to turn on the vibration reminder as required.

Note: If the supply voltage is less than 6.9V or more than 8.5V, the radio will not turn on.



Shutdown alarm interface:

After the telemetry function is enabled, the transmitter will check whether the receiver is communicating when it is off, and then the warning interface will pop up to confirm before shutdown.

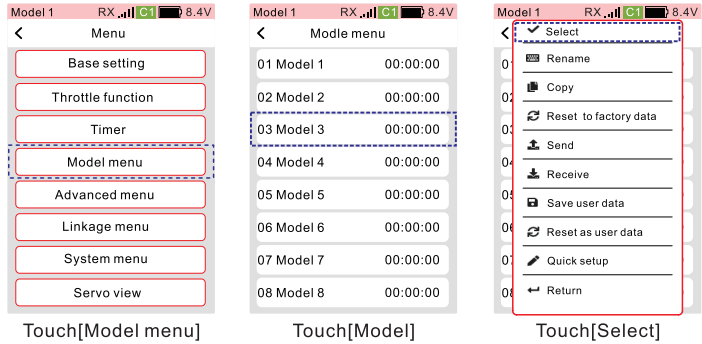


12. Model menu

Path : [Menu] - [Model Menu]

Same ID model: Model 1, model 17.. Model 40, controlling multiple receivers simultaneously.

Different ID models: Model 2- Model 16, switch different models, need to bind again.



13. Switch and channel Settings:

Path : [Menu] - [Advanced Menu] - [Channel setting]

