

Model:Archer GR8
FCC ID:XYFAGR24SRM

Introduction

Thank you for purchasing FrSky Archer GR8 telemetry receiver. In order to fully enjoy the benefits of this system, please read the instruction manual carefully and set up the device as described below.

Overview



TOP

Specifications

- Dimension: 54mm*20mm*10mm (L*W*H)
- Weight: 9.8g
- Number of Channels:47 channel support
- Operating Voltage Range: 3.5V~10V
- Operating Current: <60mA@5V
- Operating Range: full range
- Firmware Upgradable
- Compatibility: ACCESS

Features

- Installed with ACCESS protocol support OTA function
- Variometer sensor: the measures range is -700m-10000m with the precision of 0.1m (high precision version), support altimeter (the rate range is $\pm 16.7\text{m/s}$).
- GR8 supports the redundancy function for the master and slave receivers. The master receiver receives SBUS signal from the slave receiver. The master receiver can be GR8, and the slave receiver can be receiver with SBUS output (for example, FrSky X8R, X6R, X4R SB, XSR, XM, XM+, R-XSR, G-RX8, L9R, etc).



LED state

Green LED	Red LED	Status
On	On	Register
Flash	Flash	Register successfully
Flash	Off	Bind
On	Off	Bind successfully
On	Off	Working normally
Off	Flash	Failsafe

Registration & Automatic binding (Smart Match™)

With the FrSky ACCESS protocol, the transmitter/transmitter module can bind receiver without using the "REG" button.

Follow the step below to finish the Registration & binding procedure:

1. Put the transmitter/transmitter module into [Reg] status.

1.1 For Taranis X-Lite Pro as an example, turn on the transmitter, go to the MENU-MODEL SETUP-PAGE 2, choose Internal or External RF, and select [Reg].

2. Connect the battery to the receiver while holding the F/S button on the receiver. The RED LED and GREEN LED on the receiver will be on, indicating into the [Reg] status. Select [ENTER] on the transmitter, The RED LED and GREEN LED on the receiver will flash, and the transmitter displays [Registration ok].

3. Turn off the receiver.

4. Move the cursor to select the receiver 1 [Bind].

5. Connect the battery to the receiver, the GREEN LED will flash, indicating into the [Bind] status. Select the RX, the GREEN will keep lit, and the transmitter displays [Bind successful].

6. The transmitter exit [Bind], GREEN LED will keep lit, RED LED will be off, indicating Working normally.

How to Switch FS mode/HS mode

a) The factory default setting is FS mode.

b) To go to the receiver [Options], select the 7 ms PWM or not.

Note: The SBUS output is 7ms, no matter HS/FS mode.

Warning: HS mode is only applied for digital servos. Other servos should select FS mode, otherwise servos will get hot and may burn out.

About OTA function

-- For Taranis X-Lite Pro as an example, go to the SD CARD 2/7, and select the FW, press the enter button, select [Flash receiver OTA], power on the receiver, select the RX, go to the [ENTER], complete the flash process, the transmitter will display [Flash successful]. Re-power the receiver and wait for 3 seconds, the Green LED starts flashing indicates the receiver works properly at the moment.

FCC STATEMENT

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

1) This device may not cause harmful interference.

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

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

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

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

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

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

*RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FrSky is continuously adding features and improvements to our products. To get the most from your product, please check the download section of the FrSky website www.frsky-rc.com for the latest update firmware and manuals