Introduction
Thank you for purchasing FrSky G-RX8 8/24CH 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

Specifications
- Dimension: 55.26*17*8mm (L x W x H)
- Weight: 5.8g
- Number of Channels: 24CH
- Operating Voltage Range: 3.5V~10V
- Operating Current: 100mA@5V
- Operating Range: full range
- Firmware Upgradable
- Compatibility: ACCESS/*ACCST firmware
  * Need to upgrade to the corresponding ACCST firmware
- Servo frame rate: 7ms (HS--High Speed Mode) / 20ms (FS--Normal Speed Mode)

Feature
- Variometer sensor: the measures range is -700m-10000m with the precision of 0.1m (high precision version), support altimeter (the rate range is +/−16.7m/s).
- G-RX8 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 G-RX8, and the slave receiver can be receiver with SBUS output (for example, FrSky X8R, X6R, X4RSB, XSR, XM, XM+, R-XSR, G-RX8, L9R, etc).
- Installed with ACCESS protocol

Registration & Automatic binding (Smart Match™)
With the FrSky ACCESS protocol, the transmitter/transmitter module can bind receiver without using the “F/S” button.
Follow the step below to finish the Registration & binding procedure:
1. Turn on the transmitter/transmitter module into [Reg] status.
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 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 SBUS / PWM mode
a) Turn on the receiver, if the BLUE LED on the receiver lights, the receiver is currently in SBUS mode, otherwise it is in PWM mode.
b) Connect CH1 and CH2 signal pins with the included jumper before Binding, the receiver will enter into SBUS mode. The receiver will enter into PWM mode without the jumper connected.

How to Disable/Enable altimeter function
a) The factory default setting is FS mode.
b) In case you want to disable alltimeter functionality bring the receiver into normal operational mode, hold the F/S button > 3 s, the BLUE LED will flash 3 times, indicating the switch was successful and the function will be disabled.
   (If you want to enable the function, just repeat steps).

How to switch FS mode/HS mode
a) The factory default setting is FS mode.
b) To go to the receiver [Options], select the 7ms PWM or not.

How to switch FS mode/HS mode

<table>
<thead>
<tr>
<th>LED state</th>
<th>Green LED</th>
<th>Red LED</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>On</td>
<td>On</td>
<td>Register</td>
<td></td>
</tr>
<tr>
<td>Flash</td>
<td>Flash</td>
<td>Register successfully</td>
<td></td>
</tr>
<tr>
<td>Flash</td>
<td>Off</td>
<td>Bind</td>
<td></td>
</tr>
<tr>
<td>On</td>
<td>Off</td>
<td>Bind successfully</td>
<td></td>
</tr>
<tr>
<td>Off</td>
<td>Flash</td>
<td>Working normally</td>
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</tr>
<tr>
<td>Off</td>
<td>Flash</td>
<td>Failsafe</td>
<td></td>
</tr>
</tbody>
</table>

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.
Range Check

A pre-flight range check should be done before each flying session. Reflections from nearby metal fences, concrete buildings or trees can cause loss of signal both during range check and during the flight. Under Range Check Mode, the RF power would be decreased and Range distance to 1/30--1/10 that of Normal Model, about 30 meters.

1. Place the model at least 60cm (two feet) above non-metal contaminated ground (e.g on a wooden bench). The receiver antenna should be in vertical position.
2. For Taranis X-Lite Pro as an example, turn on the radio and power on the receiver, go to MODEL SETUP/Internal RF/Range.
3. For transmitter RF module, please refer to its manual.

Much more operation and instruction please refer to radio manual.

Failsafe

Failsafe is a useful feature which is for a preset channel output position whenever control signal is lost for a period.

Follow the steps to set Failsafe for channels necessary:

Failsafe for receiver supporting ACCESS can be set via radio interface, which support no pulse, hold and custom three modes for each channel.

1. For Taranis X-Lite Pro as an example, turn on the transmitter, go to MODEL SETUP/Internal RF/Failsafe.
2. Failsafe can be set on receiver via short press F/S button while moving channel position to a preset value after binding.