Futaba 1M23N38303

R214GF-E

S-FHSS/FHSS-2.4GHz system (Auto Detection), For EP Car models Built-in antenna 4-channel receiver

2.4GHz S-FHSS

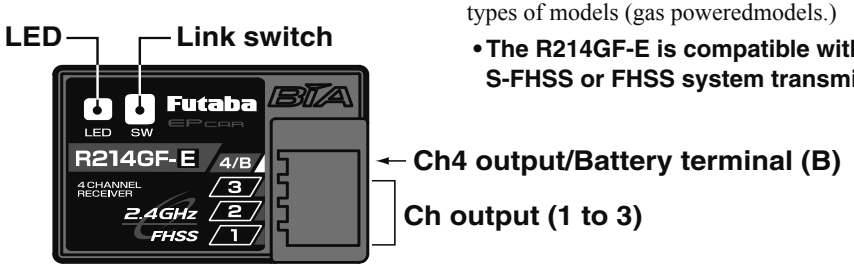
High Voltage System HV

BTA

⚠WARNING

NEVER use dry batteries for the power supply of the **R214GF-E** as they may cause difficulties.

NEVER use the **R214GF-E** in GP cars.



Note: The R214GF-E is compatible with the S-FHSS or FHSS system transmitters .

***Futaba S-FHSS/FHSS system does not work with current Futaba FASST system.**

Usage condition on "High Speed mode"

⚠CAUTION

When using the high-speed mode, use a Futaba digital servo (including brushless servo). Analog servos cannot be used.

- The use of analog servos may cause servo trouble.

Operating Precautions:

Once the **R214GF-E** detects the **S-FHSS** normal mode, **S-FHSS** high speed mode or **FHSS** mode, the detected mode is locked as long as the power is ON. When need to change the mode, please cycle power.

Thank you for purchasing the **R214GF-E** receiver.

The **R214GF-E** is designed for use with the Futaba **S-FHSS** or **FHSS** system transmitter. The **S-FHSS** system has two(2) operation mode as shown below.

- **Normal mode/High Speed mode**

The "Normal mode" accepts any type of servos or the peripherals as the frame rate of the output is 13.6 ms. The "High Speed mode" only accepts the digital servos, including BLS series, and most peripheral equipments such as the brushless ESCs. The frame rate of the outputs is 6.8 ms. However, there is a transmitter that cannot correspond, too.

Please pay special attention to the information contained within this manual and transmitter's manual in order to have a pleasant running/flying experience.

- **Built-in antenna**

The **R214GF-E** receiver is designed to be used only for EP Car models. Due to the special design of the **R214GF-E**, we cannot recommend its use in other types of models (gas poweredmodels.)

- **The R214GF-E is compatible with the S-FHSS or FHSS system transmitters.**

Link Procedure

Each transmitter has an individually assigned, unique ID code. In order to start operation, the receiver must be linked with the ID code of the transmitter with which it is being paired. Once the link is made, the ID code is stored in the receiver and no further linking is necessary unless the receiver is to be used with another transmitter.

1. Place the transmitter and the receiver close to each other within half (0.5) meter
2. Turn on the transmitter and the receiver.
3. Push and hold the Link switch on the receiver.
4. When the link is complete, the LED on the receiver changes to solid green.

* Please refer to the table below for LED status and receiver condition.

No signal reception	LED: Off
Receiving signals	LED: On
Receiving signals, but ID is unmatched.	LED: Blink
Power On, when F/S sets it.	LED: Early Blink the first one second

* If there are many **S-FHSS/FHSS** systems turned on around your receiver, it might not link to your transmitter. In this case, even if the receiver's LED stays solid green, unfortunately the receiver might have established a link to one of the other transmitters. This is very dangerous if you do not notice this situation. In order to avoid the problem, we strongly recommend you to double-check whether your receiver is controlled by your transmitter by giving throttle input, etc. and then checking servo response.

⚠WARNING

After the linking is done, please cycle receiver power and check if the receiver to be linked is really under the control by the transmitter to be linked.

Do not perform the linking procedure with motor's main wire connected or with the engine operating as it may result in serious injury.

R214GF-E Specifications:

(**S-FHSS/FHSS** system, 4-channel receiver)

- Receiving on 2.4GHz band
- System: **S-FHSS/FHSS** system (auto detection) At **S-FHSS** Normal/High speed mode (auto detection)
- Receiving Range : 70 m (230 ft.)(at the best conditions)
- Rated voltage(Typ.): 4.8 V-7.4 V(shared with servo) • Operating voltage: 4.0 V-8.4 V
- F/S and Battery F/S function: The operation channels differ according to the transmitter used. However, Battery F/S doesn't function when it is used with FHSS and F/S becomes only CH2.
- Battery F/S voltage: 3.8 V • Current drain: 30 mA (at no signal)
- Size: 1.38x0.91x0.35" (35.1x23.2x9 mm) • Weight: 0.21 oz. (6 g)

***The Battery F/S voltage is set for 4-cell NiCd/NiMH battery. Battery F/S function doesn't work properly when other type battery is used.**

Compliance Information Statement (for U.S.A.)

This device, trade name Futaba Corporation, model number R214GF-E, complies with part15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
The responsible party of this device compliance is:
FUTABA Corporation of America 2681 Wall Triana Hwy Huntsville, AL 35824, U.S.A. Phone:1-256-461-9399 FAX:1-256-461-1059
E-mail: service@futabaUSA.com

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

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.

CE UKCA 合格证 检验员002

Compliance Information Statement (for EU)

Declaration of Conformity

Hereby, Futaba Corporation declares that the radio equipment type R214GF-E is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
http://www.rc.futaba.co.jp/english/dl/declarations.html

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