

Futaba® R404SBS-E

F-4G-2.4GHz System
Diversity antenna
S.BUS2 Receiver for EP Car Models



INSTRUCTION MANUAL

Thank you for purchasing the R404SBS-E receiver. The R404SBS-E is designed for use with the Futaba F-4G system transmitter.

Note: The R404SBS-E is compatible with the F-4G system transmitters. The receiver type setting of the transmitter is set in F-4G.
*Futaba F-4G system does not work with current Futaba T-FHSS(SR)/S-FHSS/FHSS/FASSTest/FASST/T-FHSS Air system.

Usage conditions

⚠ WARNING

❗ Be sure to use R404SBS-E under the following conditions.

- Use in EP (Electric motor) cars. NEVER use the R404SBS-E in GP (Engine) cars.
- Use with a 3.7 V to 7.4 V battery. NEVER use dry batteries.
- Transmitter RX type setting: F-4G
- Wrap the receiver with something soft, such as foam rubber, to avoid vibration. Do not splash water over the receiver.

SR mode notes

- * Use the SR servo for SR mode.
- * If a normal servo is connected to a CH with SR mode ON, there is a risk of damage.
- * Do not connect the SR servo (set to SR mode) and the analog servo in the digital servo mode.
- * Do not connect the SR servo (set to SR mode) in analog servo mode.
- * Do not connect the SR servo (set to SR mode) in "S"-port (S.BUS2).

Telemetry system

With the **telemetry system**, the running status can be displayed at the transmitter. By connecting **S.BUS sensors** that are separately sold into the **S (S.BUS2)** port of the receiver (R404SBS-E), the transmitter will be possible to show the telemetry data on its display.

Link notice

⚠ WARNING

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

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

- The settings will not be reflected unless restart.

About the servos

⚠ WARNING

❗ When the SR mode is ON, it is exclusively for SR compatible servos.

- Using a servo other than the SR compatible servo may cause malfunction of the servo or receiver.

Antenna attention

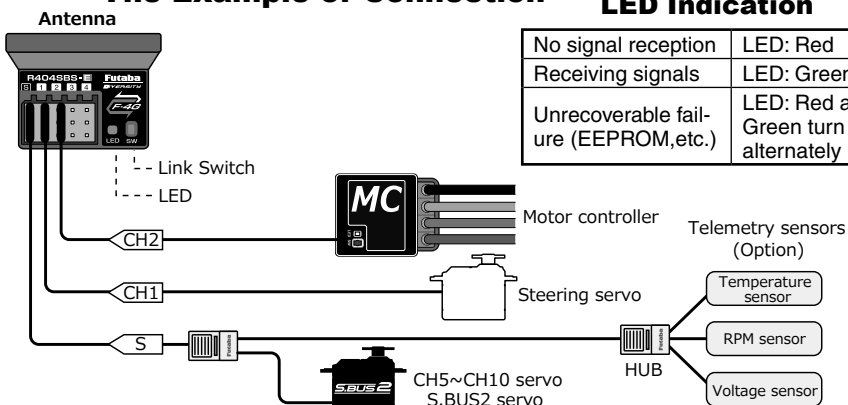
⚠ WARNING

⊘ Do not put any conductive equipment/sticker on the antenna part.

- Otherwise, the operating range may become shorter.

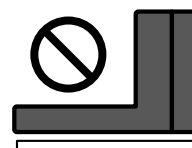
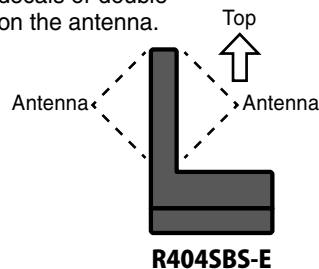
The Example of Connection

LED Indication



| | |
|--------------------------------------|--|
| No signal reception | LED: Red |
| Receiving signals | LED: Green |
| Unrecoverable failure (EEPROM, etc.) | LED: Red and Green turn on alternately |

⊘ Do not put decals or double-sided tape on the antenna.



⊘ Do not install the receiver as shown on the left.

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 within half a meter of each other.
- 2 Place the transmitter into the linking mode and turn on the receiver.
- 3 During countdown, push the receiver tact switch for approximately 2 seconds. The LED will begin to blink red. After the receiver LED switches from blinking red to green → green steady light. If the transmitter and receiver are linked normally, set the power switch to the OFF position and then return it to the PWR ON position. If the receiver LED lights green, linking was successful.

- * Please refer to the table for LED status and receiver condition.
- * Refer to user manual of the transmitter, to change your transmitter in "Link" mode.
- * If there are many F-4G systems turned on in close proximity, your receiver might have difficulty establishing a link to your transmitter. This is a rare occurrence. However, should another F-4G transmitter/receiver be linking at the same time, your receiver could link to the wrong transmitter. This is very dangerous if you do not notice this situation. In order to avoid the problem, we strongly recommend you double check whether your receiver is really under control by your transmitter.

R404SBS-E Specifications:

(F-4G system, S.BUS2, PWM 4-channel S.BUS2 10-channel receiver)

- Receiving on 2.4GHz band • RF power output: 2.2 mW EIRP
- System: F-4G system • Power requirement Operating voltage: 3.7 V-7.4 V
- F/S and Battery F/S function: It is set according to the transmitter used.
- Battery F/S voltage: Set it with the transmitter arbitrarily.
- Size: 1.00x0.81x0.42 (include antenna 1.20) in
25.5x20.7x10.6 (include antenna 30.5) mm • Weight: 0.25 oz. (7.2 g)

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

This device, trade name Futaba Corporation, model number R404SBS-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.

CAUTION: To assure continued FCC compliance

1. Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

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

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

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

Compliance Information Statement (for Canada)

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. This equipment complies with IC 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.

French: Cet appareil radio est conforme au CNR-210 d'Industrie Canada. L'utilisation de ce dispositif est autorisée seulement aux deux conditions suivantes: (1) il ne doit pas produire de brouillage, et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif. Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

FUTABA CORPORATION

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