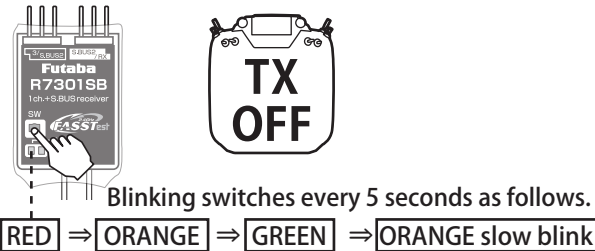


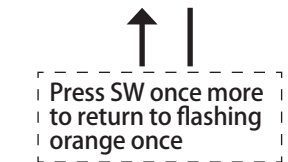
FASSTest12CH(Telemetry OFF) mode

This mode is forcibly turning off telemetry transmission to prevent collision of telemetry signals from the receiver to the transmitter when using dual RX link mode in FASSTest12ch mode.

- 1 Turn on the receiver. [Transmitter is always OFF]
- 2 Press and hold the SW for 5 seconds or more.



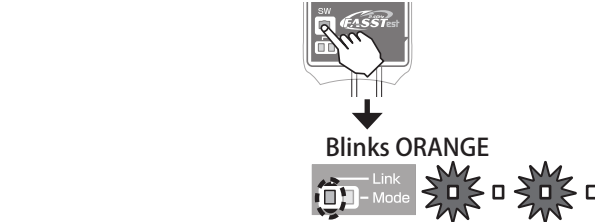
FASSTest12CH(Telemetry OFF) mode : INH



FASSTest12CH(Telemetry OFF) mode : ACT



- 5 Press and hold the SW



- 6 Release SW

Change to this mode when using FASSTest12CH in dual RX link mode.



- 7 Turn off the receiver power

Check

After restarting, the LINK LED lights up.

In FASSTest12CH Telemetry OFF Mode

Status	LINK LED
Start	Orange Solid

How to Dual Rx Link

- 1 Install two receivers on the aircraft as shown in the connection example.
- 2 Link the two receivers using the dual receiver feature of the transmitter.

For systems without dual receiver capability, link each receiver in turn.

Transmitter in link mode

For FASSTest 18CH Select dual mode and link primary

*Follow the link procedure for each receiver manual.

Transmitter in link mode

For FASSTest 18CH Select dual mode and link secondary

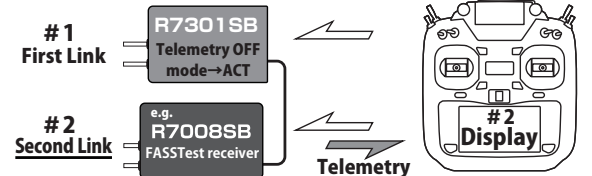
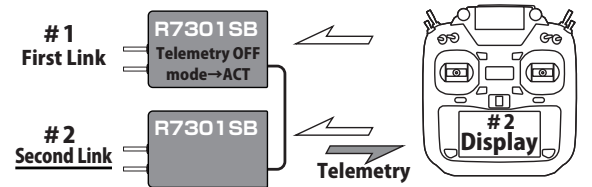
About telemetry system

When using the dual receiver function

- The telemetry function of the main receiver can be used
- Sub-receiver telemetry function is not available

Telemetry for FASSTest12CH

In FASSTest12CH mode, after linking R7301SB in telemetry OFF mode, link the receiver you want telemetry to. (The transmitter will show the telemetry of the last linked transmitter.)



#2 Telemetry display of second-linked receiver. (#1 Telemetry OFF first-Linked receiver.)

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

This device, trade name Futaba Corporation, model number R7301SB, 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 20cm 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

1M23N36214
Futaba®
R7301SB
2.4GHz FASSTest
S.BUS2
High Voltage System HV

- ◆ FASSTest-2.4GHz Bidirectional Communication System
- ◆ Dual Rx Link System Equipment
- ◆ S.BUS2 / RX Port and 1 Channel (CH3) for Conventional System Receiver

● Applicable systems: Futaba FASSTest-2.4GHz system transmitter

Usage precaution

- Analog servos cannot be used with the R7301SB in the FASSTest 12CH mode.
- Analog servos move slightly at startup in the FASSTest 26CH/18CH mode.

WARNING

- Changes or modification not approved by the party responsible for compliance could void the user's authority to operate the equipment.
- The R7301SB receiver should be protected from vibration by foam rubber, Velcro, or similar mounting methods. Protect from moisture.
- Keep away from conductive materials to avoid short circuits.

Antenna installation precaution

- Do not cut or bundle the receiver antenna wire.
- The antennas must be mounted in such a way to assure they are strain relieved.
- The R7301SB receiver should be protected from vibration by foam rubber, Velcro, or similar mounting methods. Protect from moisture.
- Keep away from conductive materials to avoid short circuits.
- Do not touch the antenna to metal, carbon, or other conductive material.
- Be sure that the two antennas are placed at 90 degrees to each other.
- The R7301SB has two antennas. In order to maximize signal reception and promote safe modeling Futaba has adopted a diversity antenna system. This allows the receiver to obtain RF signals on both antennas and fly problem-free.

Antenna installation for carbon fuselage

- You must leave 30mm at the tip of the antenna fully exposed. The exposed antenna should be secured so that it cannot move around or back inside of your aircraft.

Thank you for purchasing a Futaba R7301SB FASSTest-2.4GHz compatible receiver. The R7301SB receiver features bi-directional communication with a FASSTest Futaba transmitter using the S.BUS2 port. Using the S.BUS2 port an impressive array of telemetry sensors may be utilized. It also includes both standard PWM output ports (ch3). The R7301SB can also be switched to the Dual Rx Link System. This system can ensure safety by mounting two FASSTest receivers on one aircraft.

Link precaution

- Do not perform the linking procedure while the motor's main power is connected or the engine is operating as it may result in serious injury.
- When the linking is complete, please cycle the receiver power and ensure the receiver is properly linked to the transmitter.
- Power on the system in this order: Transmitter first, followed by the receiver.
- If the R7301SB receiver was previously linked to another transmitter, make sure that transmitter is not operating while linking the receiver to the new transmitter.

Be careful of connector insertion

- Don't connect an S.BUS servo / gyro to S.BUS2 connector.
- Do not mistake the insertion position/direction of the connector. If make a mistake as shown in the diagram below, there is a risk of fire, burnout, or burns.

(Typical installation)

R7301SB Specifications

FASSTest-2.4 GHz system (36CH/18CH/12CH mode)

S.BUS2 and S.BUS port and 1 Channel for conventional system receiver

- Dual antenna diversity
- Size: 0.85 x 1.56 x 0.26 in. (21.5 x 39.5 x 6.5 mm)
- Weight: 0.21 oz. (6.0 g)
- Power requirement: 3.7 V to 7.4 V (Voltage range: 3.5 V to 8.4 V)
- Battery F/S Voltage: It sets up with a transmitter

Percentage of Waste Paper pulp 80%

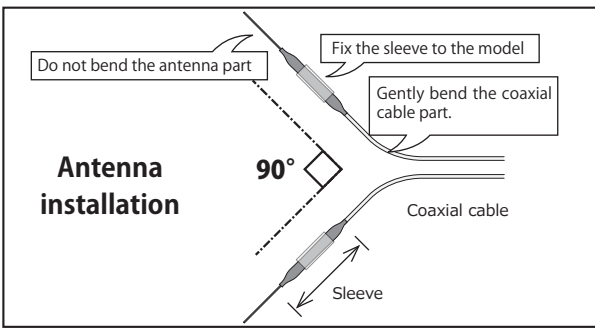
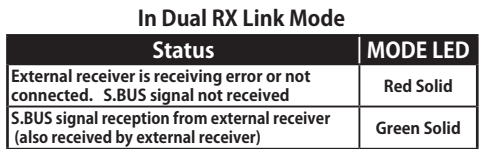
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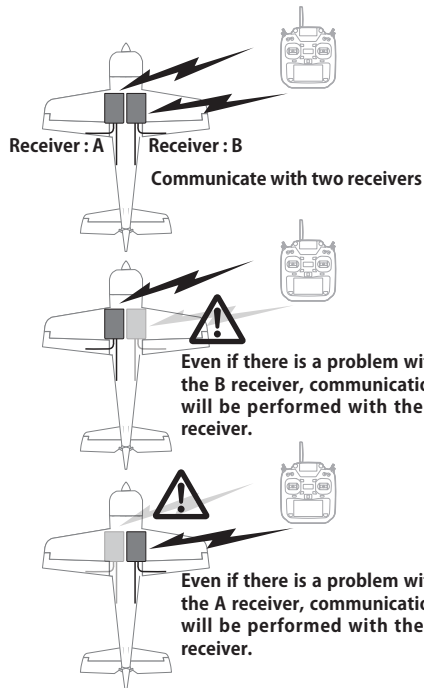
FUTABA CORPORATION

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1080 Yabutsuka, Chosei-mura, Chosei-gun, Chiba-ken, 299-4395, Japan TEL: +81-475-32-6051, FAX: +81-475-32-2915 ©FUTABA CORPORATION 2023, 9 (1)

Status	LINK LED
No signal reception	Red Solid
Receiving signals	Green Solid
Waiting for link	Start → 2second later → Red Blink (3 second)
Unrecoverable error (EEPROM, etc.)	Red Green Alternate blink



Port	CH Mode		
	Mode A	Mode B	Mode C
3 / S.BUS2	3	S.BUS2	S.BUS
LED	RED 1	RED 2	RED 3



Connection example

The diagram illustrates the connection of the MAIN and SUB modules to a power source and sensors. The MAIN module, labeled 'CH mode B R7301SB', is connected to a 'Battery' via a fuse and a switch. The SUB module, labeled 'S.BUS2 Receiver', is connected to the MAIN module. Both modules are connected to three sensors, each represented by a circular icon with a rectangular slot.

Receiver with Dual RX Link Mode Capability
EX; R7206SB

MAIN

R7206SB

SUB

R7301SB

ESC

Example using ESC

The diagram shows the Futaba R7301SB receiver. A hand is shown pressing the 'EASY' switch, which is labeled 'EASY' and '100%'. To the right of the receiver is a large 'TX OFF' warning sign, indicating that the transmitter is turned off.

RED ⇒ ORANGE ⇒ GREEN ⇒ ORANGE slow blink



Press SW once more
to return to flashing
green once



Link
Mode

A hand is pointing to the 'EASSTest' logo on a screen. The screen also displays 'SW' and 'EASSTest' text, along with some icons.

 Link
Mode

After restarting, the
MODE LED lights up.

