Thank you for purchasing a Futaba R6208SB S.BUS compatible receiver.

The R6208SB has an S.BUS system output port and a conventional system channel output. It can also be used with conventional system servos, etc. in addition to S.BUS system compatible servos and gyro, etc.

In addition, the operating mode (high-speed mode/normal mode) can be selected.

* However, channel outputs 7 and 8 for conventional system operate in the normal mode even if set to the high-speed mode.

Applicable systems: T8FG 2.4GHz (on 8ch mode), TM8 (on 8ch mode), T10CG 2.4GHz (on 10ch mode), TM10 (on 10ch mode), TM14 (on multi-ch mode)

What is S.BUS?

Different from conventional radio control systems the S.BUS system uses data communication to transmit control signals from a receiver to a servo, gyro, or other S.BUS compatible device. This data includes commands such as “move the channel 3 servo to 15 degrees, move the channel 5 servo to 30 degrees” to multiple devices. The S.BUS devices execute only those commands for their own set channel. For this reason, it can be used by connecting multiple servos to the same signal line.

[Connection by S.BUS system]
Operation Mode Select

The operation mode is on "Normal mode" from factory shipping. When to change the mode, please follow the steps shown below.

1. Turn off the receiver.
2. Press and hold the Link/Mode switch and turn on the receiver. Keep the switch hold more than one (1) second. The LED starts flashing with the current status.
3. Release the switch.
4. Turn off the receiver.

By doing this step, the mode can switch over between two (2) modes.

Please check the operation mode by observing the LED when turning on the receiver. If possible there's no FASST transmitter turned on around you in order to make firmer check.

When turn on the receiver, the LED will be;
• Red when on "Normal mode"
• Green and Red (makes Orange) when on "High Speed mode". (After two (2) seconds, change to Red.)

If there are some FASST transmitter turned on around the receiver, the LED may show the above status for a brief moment then changed to the status indication as shown in the "LED indication" table.

LED Indication

<table>
<thead>
<tr>
<th>Green</th>
<th>Red</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>Solid</td>
<td>Initializing</td>
</tr>
<tr>
<td>Off</td>
<td>Solid</td>
<td>No signal reception</td>
</tr>
<tr>
<td>Solid</td>
<td>Off</td>
<td>Receiving signals</td>
</tr>
<tr>
<td>Blink</td>
<td>Off</td>
<td>Receiving signals but ID is unmatched</td>
</tr>
</tbody>
</table>

Link to the transmitter

1. Press and hold the Link/Mode switch more than two (2) seconds.

Re-adjust the F/S position (only for TM-8)

1. Press and hold the Link/Mode switch between one (1) and two (2) seconds.

S.BUS Servo Channel Setting Method

S.BUS servo channel setting can be performed at the R6208SB receiver.

1. Connect the accessory short-plug to the DATA port of the receiver.

* Connect the short-plug to the DATA port only when an S.BUS servo channel is set. Normally do not connect the plug.

2. Connect an S.BUS servo to the conventional system output connector (1 to 8) corresponding to the channel you want to set.

Output connector | Channel setting
---|---
1 | Mode A | Mode B
2 | 1 | 9
3 | 2 | 10
4 | 3 | 11
5 | 4 | 12
6 | 5 | 13
7 | 6 | 14
8 | 7 | 15
8 | 8 | 16

* Channel setting mode A (ch1 to 8 setting mode) or channel setting mode B (ch9 to 16 setting mode) can be set.

3. Turn on the receiver.

* At once when turning on the receiver, the channel setting is completed in mode A.

(To switch to mode B, press the Link/Mode button until the red and green LED starts to blink simultaneously. The channel setting is completed in mode B.)

* The LED corresponding to the setting mode blinks.

Mode A: Red blinks 3 times
Mode B: Green blinks 3 times

4. Turn off the receiver.

WARNING

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

While 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.