

# Futaba

1M23N23101

## S.BUS System Channel Changer SBC-1



### INSTRUCTION MANUAL

*Before using your new SBC-1, please read this manual thoroughly and use the system properly and safely. After reading this manual, store it in a safe place.*

Thank you for purchasing an **SBC-1, S.BUS<sup>†</sup>** channel changer.

This product is a tool for setting the channel to **S.BUS** servo and **S.BUS** decoder of Futaba **S.BUS** system.

<sup>†</sup>S.BUS: Serial communication system for Futaba R/C system

Applicable items:  
S.BUS servo, S.BUS decoder

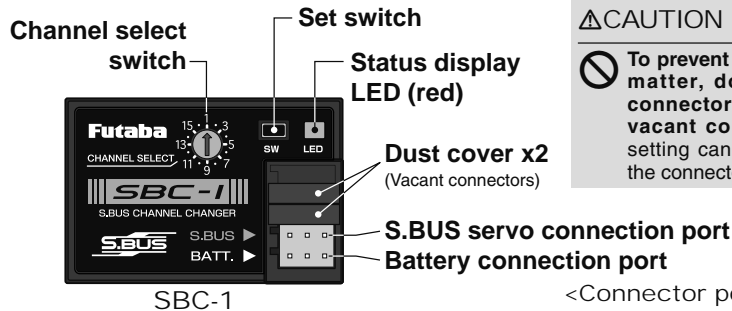
## Usage Precautions

### CAUTION

- ❗ **Connect the servo and battery connector in the correct polarity.** Connecting the power + and - polarities in reverse by mistake may cause smoke, fire, and damage.
- ⊘ **Do not connect a device other than an S.BUS servo or S.BUS decoder to the S.BUS servo connection port.** If a conventional radio control servo is connected to the S.BUS servo connection port, the servo may operate erroneously.
- ⊘ **Do not disassemble or modify this product.** Futaba Corp. will not be responsible for any disassembly or modification other than those specified by us.

Futaba Corp. will not be responsible for damage caused by combination with other than Futaba Genuine parts.

## Name of Each Part and Accessories



### CAUTION

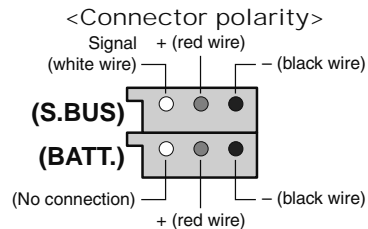
⊘ **To prevent the entry of foreign matter, do not remove the connector dust cover of the vacant connectors.** Channel setting cannot be performed at the connector under the cover.

<Accessories>

### Mini screwdriver

- Use the miniature screwdriver to operate the channel select switch and the set switch.

### Instruction manual (this manual)



## Channel Setting

- 1 Connect an **S.BUS** servo to the **S.BUS** servo connection port (**S.BUS**).
- 2 Connect a battery to the battery connection port (**BATT.**)

LED	Status
<b>Blinks slowly</b> (approximately 1 time/second)	When the <b>CHANNEL SELECT</b> switch No. and the channel set at the <b>S.BUS</b> servo are different.
<b>Lights steadily</b>	When the <b>CHANNEL SELECT</b> switch No. and the channel set at the <b>S.BUS</b> servo are the same.

- 3 Set the **CHANNEL SELECT** switch No. to the channel you want to set at the **S.BUS** servo.
- 4 Hold down the set switch (**SW**). (Approximately 1 second)

\*During channel setting, the **LED** blinks rapidly (approximately 5 times/second) and then lights steadily.

\*When the **LED** lights steadily, channel setting is complete.

- 5 Remove the battery.
- 6 Remove the **S.BUS** servo.

Refer to the instruction manual of each device for a description of the channel setting method of the **S.BUS** compatible devices (**S.BUS** decoder, etc.) other than a servo.

### Precautions

- Do not connect the power source with the **SW** pressed down. If the power source is connected when the **SW** is pressed, the **LED** will light and

operation will become impossible. In this case, reconnect the power source before reuse.

- Channel setting cannot be performed simultaneously at multiple **S.BUS** servos. Always connect only one **S.BUS** servo to the **SBC-1**. If multiple **S.BUS** servos are connected using a Y-harness, etc., channel setting will not be performed at any **S.BUS** servo.

## Errors

When channel setting cannot be performed correctly because of improper connection of the **S.BUS** servo or the **S.BUS** decoder, etc., the **SBC-1** is in error mode and the **LED** continuously blinks rapidly (about 5 times/second).

LED	Status
<b>Blinks rapidly</b> (about 5 times/second)	When channel setting cannot be performed correctly.

In this case, check the following:

### Check items

- Is a battery connected to the battery connection port?
- Is an **S.BUS** servo or **S.BUS** decoder connected to the **S.BUS** servo connection port?
- Are the battery and **S.BUS** servo connectors firmly inserted fully?
- Are the battery and **S.BUS** servo cables damaged, broken, etc?
- Is the battery charged?

## Meaning of Special Markings

Pay special attention to safety where indicated by the following marks:

<b>⚠ DANGER</b>	Procedures which may lead to dangerous conditions and cause death/serious injury if not carried out properly.
<b>⚠ WARNING</b>	Procedures which may lead to a dangerous condition or cause death or serious injury to the user if not carried out properly, or procedures where the probability of superficial injury or physical damage is high.
<b>⚠ CAUTION</b>	Procedures where the possibility of serious injury to the user is small, but there is a danger of injury, or physical damage, if not carried out properly.

⊘ = Prohibited      ! = Mandatory

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