

S.BUS Decoder
SBD-3
Instruction Manual



Thank you for purchasing the SBD-3. Before using your new SBD-3, please read this manual thoroughly and use the SBD-3 properly and safely. After reading this manual, store it in a safe place.

The SBD-3 is a converter for using conventional servo/ESC with the S.BUS system.

Applicable systems
S.BUS/S.BUS2 receiver

Use : S.BUS / S.BUS2 to PWM converter
Length : 238 mm (9.4 in)
Weight : 4.7 g (0.17 oz)
Operating voltage : DC3.7V to 7.4 V
(Acceptable: DC3.5 V to 8.4 V)

PWM CH3

Channel Setting

If you want to change the output channel from CH3. The equipment by which a channel set is possible.

[Channel change device]

- CIU-2/3 USB adapter (SBD-Link software for setting)
- T6K, T10J, T12K, T14SG (V4.0-), FX-22 (V4.0-)

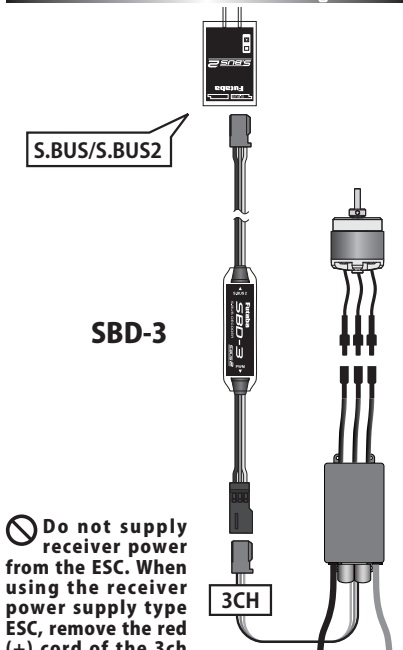
*SBD-Link software can be downloaded from the home page of your region's Futaba importer.

Refer to each manual for how to change. Follow the same procedure as for changing SBD-1. The SBD-1 has three connectors, each of which sets a CH. For SBD-3, change the CH with the Sx1 setting.



The output port of SBD-3 (this product) corresponds to Sx1 in the SBD-1 setting. Change the channel of Sx1.

ESC connection example

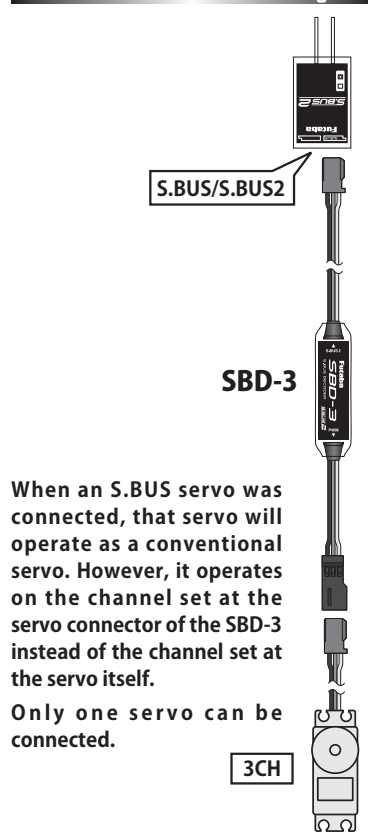


Do not supply receiver power from the ESC. When using the receiver power supply type ESC, remove the red (+) cord of the 3ch wiring from the ESC so that the power is not supplied from the ESC.

Use a dedicated battery to power the receiver / servo.



Servo connection example



When an S.BUS servo was connected, that servo will operate as a conventional servo. However, it operates on the channel set at the servo connector of the SBD-3 instead of the channel set at the servo itself.

Only one servo can be connected.

Precautions

- WARNING**
Failure to follow these safety precautions may result in severe injury to yourself and others.
- Do not supply receiver power from the ESC. When using the receiver power supply type ESC, please observe the polarity of all connections.
 - Ensure that the unit is connected properly to the receiver.
 - If the connector is disconnected during flight, it becomes inoperable.
 - Ensure that the unit is mounted in an area that will eliminate exposure to fuel, water and vibration.
 - As with any electronic components, proper precautions are urged to prolong the life and increase the performance of the unit.
 - Allow a slight amount of slack in the unit cables and fasten them at a suitable location to prevent any damage from vibration during flight.
 - Used in a set of Futaba S.BUS / S.BUS2 systems.
 - To ensure that the SBD-3 is functioning as desired, please test accordingly.
 - Do not fly until inspection is complete.

- When using analog servos, make sure the receiver is in normal mode.
 - There is the danger of erroneous operation or damage on the FASSTest 12ch mode / High-speed mode / S-FHSS.
 - Do not supply receiver power from the ESC. When using the receiver power supply type ESC, remove the red (+) cord of the 3ch wiring from the ESC so that the power is not supplied from the ESC.
 - Use a dedicated battery to power the receiver / servo.
 - Do not connect an S.BUS connector of the SBD-3 to other than an S.BUS connection port.
 - There is the danger of erroneous operation or damage.
 - Do not use the SBD-3 with anything other than an R/C model.
- Futaba Corp. will not be responsible for damage caused by combination with other than Futaba Genuine parts.