

S.BUS ENCODER SBE-1



PWM→S.BUS Converter

Note: Always read this manual before using the SBE-1. Store this manual where it can be used at any time.

That you for purchasing an SBE-1 S.BUS*¹ encoder.

The SBE-1 is a converter that is used when using a CGY750 gyro or other exclusive S-BUS receiver device with a receiver for conventional system use.

The signals (PWM) of a conventional system of up to 10chs can be converted to S.BUS system signals.

*¹S.BUS: Standard name of Futaba serial communication for R/C systems.

Instruction Manual

Precautions

⚠ WARNING

⚠ Take the same protective measures against vibration, shock, high temperature, and the invasion of moisture with the SBE-1 as you do with the receiver.

- Precision parts are used in the SBE-1. In addition, it is not constructed to prevent the invasion of moisture. There is the danger of a crash due to abnormal operation.

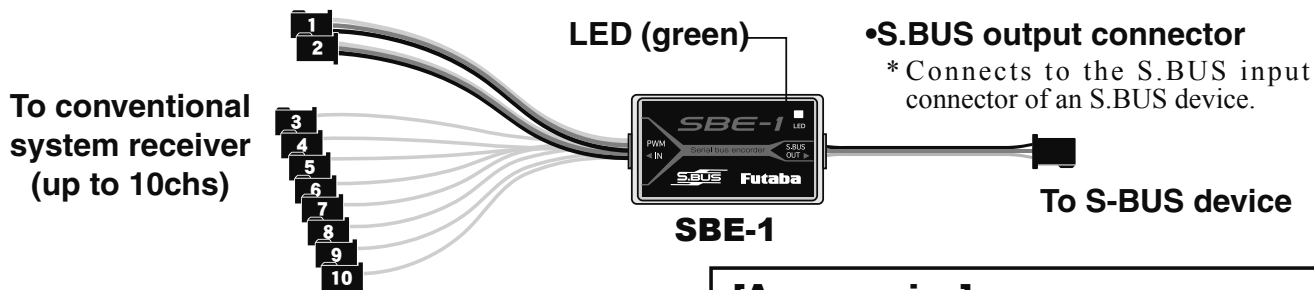
⚠ CAUTION

⚠ Do not connect anything other than an S-BUS device to the S.BUS output.

- There is the danger of abnormal operation and damage.

Futaba Corp. will not be responsible for damages, etc. caused by combination with other than Futaba Corp. products.

Name of Each Part and Connection Method



• PWM input connector

- * Connects all the connectors corresponding to the channel necessary to operate the S.BUS device.
- * Always connect the CH1 and CH2 connectors. (To supply power to the SBE-1 and S-BUS device)

• LED display

| State | Display |
|-----------|--------------|
| No signal | Blinking |
| PWM input | Steady light |

* Lights when a regular signal is received on any channel.

[Accessories]



• Output Connector Adapter

* Use this adapter to connect the output connector to an S.BUS Hub with Cable, etc..

[SBE-1 ratings]

(PWM→S.BUS Converter)

- PWM input: Max 10chs
- Input pulse width: 805~2,235μS
- Input frame rate: 3~27.3mS
- Output signal: S.BUS
- S.BUS data rate: 100kbps
- Output frame rate: Approx. 7mS

(Specifications and ratings are subject to change without notice.)

- Operating voltage range(rated): 4.8~7.4V
- Dimensions: 23.5x33.5x9.5mm (excluding cable)
- Weight: 15g (including cable)
- Operating temperature range: -10~+45°C
- Storage temperature range: -20~+60°C