

## 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\*<sup>1</sup> 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.

\*<sup>1</sup>S.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.

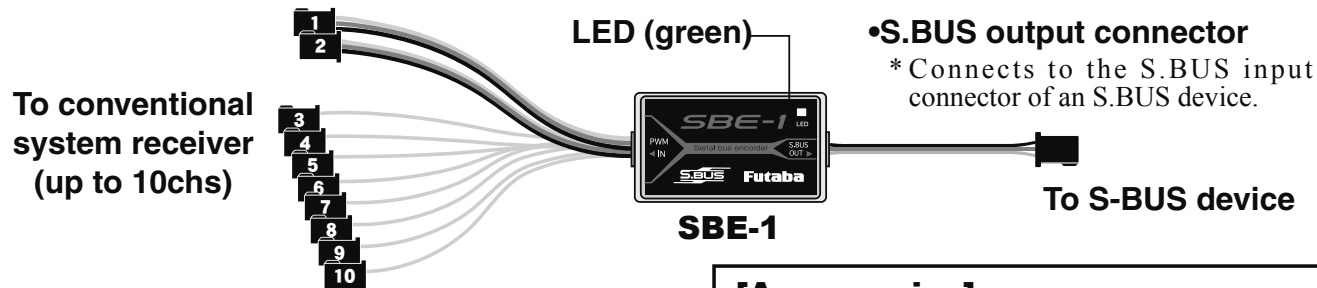
#### ⚠ CAUTION

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