

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

## Channel Power Switch CPS-1



## INSTRUCTION MANUAL

Thank you for buying a **CPS-1** Channel Power Switch.

When illumination (LED<sup>\*1</sup>) is mounted to dress up the fuselage, the LEDs can be turned ON/OFF<sup>\*2</sup> while running by using this **CPS-1** unit to connect to a vacant switch channel. The **CPS-1** can also be used to control ON/OFF of wing lights (LED), etc. to increase the visibility of an airplane or helicopter fuselage.

<sup>\*1</sup> The **CPS-1** comes with two dedicated high-brightness LEDs (w/connector)

<sup>\*2</sup> To control ON/OFF, a vacant switch channel is necessary at the system being used.

## Usage Precautions

### ⚠ WARNING

⚠ When 5 or more LEDs, etc. are connected, the **CPS-1** can be used within a range over which the maximum current (200mA) is not exceeded. Also be careful of the wiring because it is easily affected by noise. It may cause erroneous operation.

⚠ Use the **CPS-1** within a range over which the total current consumption including the servos does not exceed the ESC regulator capacity. It may cause erroneous operation.

### <Other precautions>

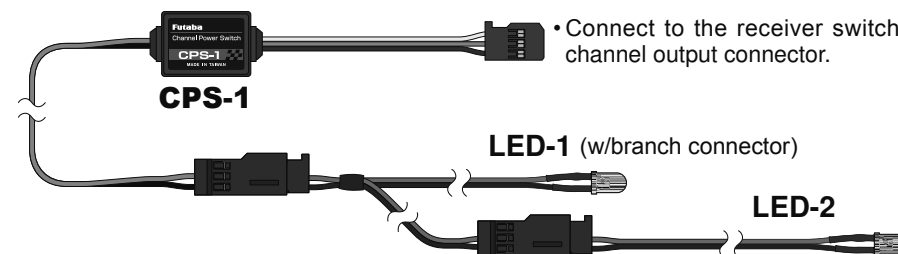
- A voltage drop, etc. may cause the LEDs brightness to change.
- If used with a receiver other than a Futaba product, the **CPS-1** may not operate normally depending on the maker's specifications (response mode, etc.) In this case, set to the normal mode and check.
- Operation cannot be guaranteed when the **CPS-1** is combined with LEDs other than Futaba products.

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

### [CPS-1 Ratings]

- Dimensions: 16.0x22.0x7.6mm (0.63x0.87x0.30in.) (excluding protruding)
- Weight: 5.9g (0.21oz.)
- Current drain: 10mA at 6.0V
- Output voltage: Depends on the receiver power supply.
- Output current: 200mA or less
- Power requirement: Ni-Cd, Ni-MH 4 to 5 cells equivalent battery
- Operating temperature range: -10 to +45°

## Usage Method



### •Connection

- 1 Connect the **CPS-1** to the receiver switch channel output connector.
- 2 Connect accessory LED-1 (w/ branch connector) to the **CPS-1** and connect LED-2 to the branch connector.

\* Connect LEDs as required.

### •Transmitter setting

- 1 At the transmitter, operate the switch channel ON/OFF switch and check the direction of operation, etc. If the ON/OFF directions are reversed, change them using the transmitter's reverse function.

\*When the neutral position has been shifted substantially by sub trim, etc., normal ON/OFF operation may not be possible.

## 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

©Copyright2010NopartofthismanualmaybereproducedinanyformwithoutpriorpermissionThe contents of this manual are subject to change without prior notice. While this manual has been carefully written, there may be inadvertent errors or omissions. Please contact our service center if you feel that any corrections or clarifications should be made.

FUTABA CORPORATION oak kandakajicho 8F 3-4 Kandakajicho, Chiyoda-ku, Tokyo 101-0045, Japan  
TEL: +81-3-4316-4820, FAX: +81-3-4316-4823

©FUTABA CORPORATION 2011, 8 (2)