

Regulator for Receiver

PS-10 BR5.2

INSTRUCTION MANUAL

Thank you for purchasing a **PS-10** regulator for receiver.

When you want to use an ordinary 4.8V rating receiver and servos with a high-voltage (HV) rating battery (LiFe or LiPo), you can step down the receiver and servo power to 5.2V by connecting the **PS-10** between the battery and the receiver.

- For 2.4GHz system only (Do not use PS-10 for any systems other than 2.4GHz system.)
- Always use PS-10 between a battery and a receiver. It cannot be used between a receiver and a servo.
- Use the PS-10 within five servos as the standard. However, the maximum number of servos which can be driven by it differs depending on the servo and conditions to be used. Always use the PS-10 within the limits of the PS-10 ratings.

Usage Precautions

⚠ WARNING

- ❗ **If using a power switch, always connect it between battery and PS-10.**
 - If connecting the switch between PS-10 and receivers, since very small current flows into PS-10 even if it is turned off, it will cause over-discharging of a battery.
- ❗ **Do not connect PS-10 and other regulators or batteries simultaneously.**
 - Multiple connection may cause smoke, fire, and damage.
- ❗ **Never connect the battery in reverse.**
 - Reverse connection may cause smoke, fire, and damage.
- ❗ **Always fix the PS-10 securely to the fuselage of the airplane or helicopter.**
 - If the connector works loose due to vibration and shock, operation will be impossible and there is the danger of a crash.

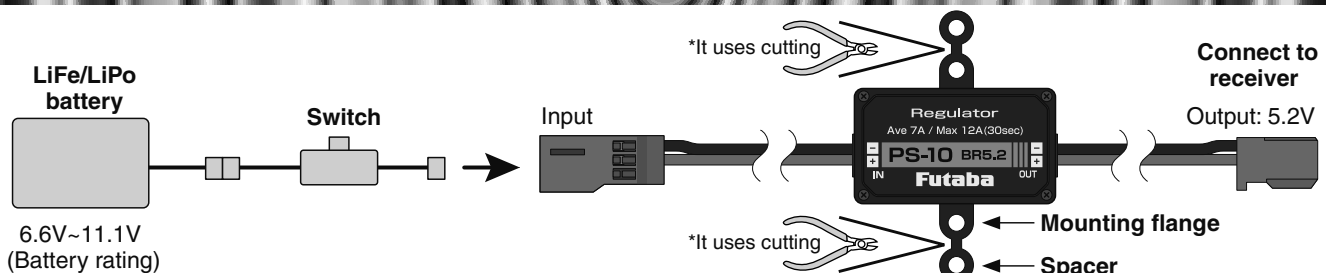
- ❗ **Do not wrap the PS-10 in sponge, etc.**
 - Such wrapping will cause a loss of cooling effect and the specified performances will not be obtained.
- ❗ **Do not continue to operate when the servo is locked or the rated output of the PS-10 is exceeded.**
 - If a protection circuit operates and stops the supply of power to the receiver and servos, operation will be impossible and there is the danger of a crash. When the protection circuit has operated, remove the cause of the overload and wait about 1 hour before resuming use.

⚠ CAUTION

- ❗ **Do not bend the flange with unreasonable force.**
 - The flange may be broken.

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

Connection



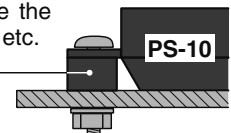
[PS-10 BR5.2 Ratings]

(Regulator for Receiver)

- Main application: Power supply for 4.8V rating receiver and servos
- Input voltage range: 6.0V~12.6V
- Output voltage: 5.2V
- Rated output current: 7A (Max. 12A/30sec)
- Operating temperature range: -10~+45°C
- Storage temperature range: -20~+60°C
- Dimensions: 35.6x20.5x10mm
- Weight: 14.9g

*When installing the PS-10 to the fuselage, use the mounting flange and the spacer, if necessary. Use the spacer after cutting out it from PS-10 using nippers etc.

Spacer



Cooling effect:

The aluminum case is used for a face plate so that it can radiate the internal heat efficiently. Mount PS-10 so that the aluminum case is exposed. If PS-10 is mounted to the fuselage in the state where the aluminum case side is turned down and wrapped in sponge etc., it will cause a loss of cooling effect and the specified performances will not be obtained.