

# SUPPO™ Speed Controller Programming Instructions

## For 4 programmable OPTIONS Normal Helicopter ESCs

H50A/H70A/ /H100A

### • Phrases 1 Enter programming Mode

1. Connect your motor and receiver to the speed controller, but do not connect the battery yet.
2. Turn on your transmitter and move the throttle stick to the full throttle position (full up). Please Note: Most Futaba transmitters have the throttle channel reversed by default.
3. Connect your battery and the controller will initialize with a musical tone.

### • Phrases 2 Programming

After 3 seconds, the controller will start beeping a sequence of tones – a musical tone followed by one or more beeps. Each sequence represents a parameter that you can program and is repeated 3 times. The parameters are:

♪—	Music Tone + 1 Beep	Options 1. Cell Type
♪— —	Music Tone + 2 Beeps	Options 2. Brake Setting
♪— — —	Music Tone + 3 Beeps	Options 3. Acceleration
♪— — — —	Music Tone + 4 Beeps	Options 4. Throttle range

**Step 1. Starting, Enter Sub-option.** When you hear the sequence for the parameter you wish to program, move the throttle stick to the **Center Position to Enter Sub-options**.

The controller will then **start beeping a Morse code sequence** of short and long beeps representing the possible options you may choose for the selected parameter. See table 2 for a list of all programmable options. Each option sequence is repeated 3 times.

**Step 2. Select and save,** to the select the option, moves the **throttle stick** back to the **Full-up-position**., when you hear the sequence for the option you wish to select. The controller will then save the selected option, and **sound a long beep as a confirmation**. It then goes back to the beginning of the programming sequence (phrases 2).

**Step 3. Complete programming and exit programming mode.** Setup all the parameters you need to change. When complete, move the throttle stick to the **Lowest (Down) Position**. The controller will save all options and re-initialize in normal running mode so you can start your motor.

**The table below summarizes the various programming options for each parameter:**

<b>Option 1.1 Cell Type and Number of Cells</b> ♪—	<b>50A/60A/ 70A/100A-LV / 200A-LV</b> <b>70A+UBEC/ 100A+UBEC (LV as 2S-7S)</b>
• — 1 Short + 1 Long	NiMh/NiCD Auto Cell Count - 0.8V/Cell Cutoff Voltage *
• — — 1 Short + 2 Long	3S Li-Po (9V Cutoff )
• — — — 1 Short + 3 Long	4S Li-Po (12V Cutoff )
• — — — — 1 Short + 4 Long	5S Li-Po (15V Cutoff )
• — — — — — 1 Short + 5 Long	6S Li-Po (18V Cutoff )

<b>Option 2. Governor Mode</b> ♪— — —	
•• — 2 Short + 1 Long	Disable *
•• — — 2 Short + 2 Long	Low
•• — — — 2 Short + 3 Long	Medium
•• — — — — 2 Short + 4 Long	High

<b>Option 3. Acceleration Setting</b> ♪— — — —	Acceleration
••• — 3 Short + 1 Long	Soft Acc
••• — — 3 Short + 2 Long	Medium Acc*
••• — — — 3 Short + 3 Long	Hard Acc*

<b>Option 4. Throttle range</b> ♪— — — — —	
••• — 4 Short + 1 Long	Auto throttle range *
••• — — 4 Short + 2 Long	Manual set throttle range (1)

**\* refer to-- Default Setting**

(1), Manual throttle setting: when select this option. The ESC will memory the Max/Full throttle when you enter the programming mode and the Min/Lowest throttle point when you exit programming.

Please se note that we have another version ESC which have **6 programming options**. If you hear “Music Tone + 6 Beeps”, you need to use another manual, the 6 options manual.