

Speed Controller Programming Instructions For High Voltage Full options 50A/70A/80A/100A/125A/200A

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 ♪—

Option 1 --- Cell Type and No. of Cells

Music Tone + 2 Beeps ♪—

Option 2 --- Throttle Setting

Music Tone + 3 Beeps ♪—

Option 3 --- Brake Setting / Throttle type (for Heli)

Music Tone + 4 Beeps ♪—

Option 4 --- Direction and Cutoff Type

Music Tone + 5 Beeps ♪—

Option 5 --- Timing Mode

Music Tone + 6 Beeps ♪—

Option 6 --- Pulse Width Modulation (PWM) Setting

Step 1 --- Starting, Enter Sub-options.

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 select the option, move 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 save options

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:

1.1	♪— For (2S-7S)-ESC 50A/80-LV/125A-LV	<u>Cell Type and Number of Cells</u>
• —	1 Short + 1 Long	Ni-MH / Ni-CD Auto Cell Count - 0.8V / Cell Cutoff Voltage
• —	1 Short + 2 Long	7S Li-Po (25.9V) – 21V Cutoff Voltage
• —	1 Short + 3 Long	6S Li-Po (22.2V) – 18V Cutoff Voltage
• —	1 Short + 4 Long	5S Li-Po (18.5V) – 15V Cutoff Voltage
• —	1 Short + 5 Long	4S Li-Po (14.8V) – 12V Cutoff Voltage
• —	1 Short + 6 Long	3S Li-Po (11.1V) – 9V Cutoff Voltage
• —	1 Short + 7 Long	2S Li-Po (7.4V) – 6V Cutoff Voltage