

TALON OPTIONAL STICK PROGRAMMING

1. Power ESC with TX throttle stick (stick) in the top position (full throttle). ESC will sound a single tone and the LED will repeat a single flash.
2. Move stick to Middle. ESC will sound a single tone and the LED will repeat a quick double flash.
3. Move stick to Top. ESC will sound a single tone and the LED will repeat a quick triple flash.
4. Move stick to Middle. ESC sounds four short tones. You are now in programming mode.
5. Step through settings and values by answering "yes" (full throttle) or "no" (low throttle). The setting and value are "flashed" out by the LED. Example: setting #3, value #2 = 3 beeps/flashes, then 2 beeps/flashes. Answering "no" moves to the next value, "yes" changes the current setting's value. A Yes or No is recognized by a quick repeating double beep/flash.
6. Move the stick to the middle position to move to the next option. Repeat step 5 and 6 as needed.
7. Once the desired settings are changed, remove and reconnect power. Arm speed control as normal.

Stick programming offers quick access to basic settings only. Many more may be accessed using Castle Link and a Windows PC or B-Link portable programmer for iOS and Android.

Setting 1: Auto-Lipo Volts/Cell Cutoff*	
Option 1:	3.0V per cell
Option 2:	3.1V per cell
Option 3:	3.2V per cell (Factory Setting)
Option 4:	3.3V per cell
Option 5:	3.4V per cell
Option 6:	DISABLED
Setting 2: Brake Type	
Option 1:	Soft Delayed Brake
Option 2:	Hard Delayed Brake
Option 3:	Soft Brake - No Delay
Option 4:	Hard Brake - No Delay
Option 5:	Brake Disabled (Factory Setting)
Setting 3: Low Voltage Cutoff Type	
Option 1:	Hard Cutoff
Option 2:	Soft Cutoff (Factory Setting)
Option 3:	RPM decrease
Option 4:	Pulsing RPM ESC pulses throttle
Setting 4: PWM Switching Rate**	
Option 1:	8kHz outrunners
Option 2:	12 kHz (Factory Setting)
Option 3:	16 kHz

* Refer to cell vendor's instructions for cutoff voltage.

**Refer to motor manufacturer's instructions for frequency settings.

TALON ERROR CODES

Tone	Meaning
● -	Low voltage cutoff
● - ●	Over temperature
● - -	Excessive load
● ●	Start fail
● ● -	Radio glitch
● ● ●	Motor anomaly
- ●	Over-current
- ● -	BEC over temperature
KEY ● =short tone - =long tone	

TALON DEFAULT SETTINGS

Option	Default Setting
BEC Voltage	6.0V (Talon 35 and below 5.5V)
Brake	Disabled
Current Limiting	Normal
Cutoff Voltage	Auto-LiPo
Auto-Lipo Volts/Cell	3.2 Volts/Cell
Direction	Forward
Motor Start Power	High
Motor Timing	Normal
PWM Rate	12 Khz
Throttle Type	Auto-Calibrate Endpoints
Vehicle Type	Airplane
Voltage Cutoff Type	Soft Cutoff
Current Cutoff Type	Soft Cutoff

Castle continually updates the firmware for this controller. Please use your Castle Link USB adapter (sold separately) and free Castle Link software for Windows or B-Link adapter for iOS and Android to install the most current firmware before operating this controller.

