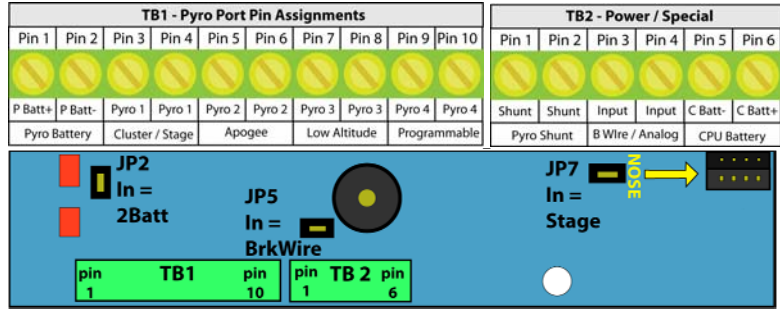


G-Wiz HCX Flight Computer Setup Quick Reference

Battery Setups	JP2	Power Connections	Uses
One Battery	OUT	Positive wire – TB2 pin6 Negative wire – TB2 pin5 Jumper wire between TB2 pin6 and TB1 pin1	Attaching to Personal Computer Record only - No events fired Low-power igniters used for events.
Two Batteries	IN	Pyro Power Positive wire TB1 pin1 Negative wire TB1 pin2 CPU Power Positive wire TB2 pin6 Negative wire TB2 pin5	Multi-stage launches Cluster launches Higher Power igniters used



Flight Plan Item		Batteries	JP2	JP5	JP7	Terminal Block	Configuration - FlightView
Recovery	1 Data recording only	1	OUT	IN	IN	Batteries only	Optional - Main Tab
	2 Main chute at apogee	1 or 2	Battery	*	*	Chute to TB1 pins 5/6	Optional - Outputs – Pyro 2
	3 Drogue chute at apogee	1 or 2	Battery	*	*	Drogue chute to TB1 pins 5/6	Optional - Outputs – Pyro 2
	4 Main chute at low altitude	1 or 2	Battery	*	*	Main chute TB1 to pins 7/8	Optional - Outputs Pyro 3
Motors	5 Two stage launch	2	IN	*	IN	TB1 pins 3/4 to sustainer igniter	Outputs Tab - Pyro 1
	6 Three stage launch	2	IN	*	IN	3 rd stage igniter to TB1 pins 3/4 Sustainer igniter to TB1 pins 9/10	Outputs Tab - Pyro 4 Outputs Tab - Pyro 1
	7 Cluster launch	2	IN	*	OUT	Cluster wiring to TB1 pins 3/4	Outputs Tab - Pyro 1
Special	8 Breakwire launch detection	1 or 2	Battery	IN	*	Break wire to TB2 pins 3/4	Main Tab - Breakwire
	9 Recording from a user-provided sensor	1 or 2	Battery	OUT	*	Sensor's positive wire to TB2 pin4 Sensor's negative wire to TB2 pin3	Main Tab - Analog Input
	10 Event triggered by a user-provided sensor	1 or 2	Battery	*	*	Event wiring to TB1 pins 9/10	Outputs Tab - Pyro 4
	11 Event triggered by standard programming	1 or 2	Battery	*	*	Event wiring to TB1 pins 9/10	Outputs Tab - Pyro 4

* Indicates jumper can be IN or OUT without affecting THIS flight plan item.

Flight Computer Status Codes

Normal Status Code <ol style="list-style-type: none"> LED turns on then off. The LED turns on and the beeper gives one (JP7 OUT) or two (JP7 IN) low pitch beeps. LED turns off. There is a half second pause. Starting with pyro port one, each pyro port reports status with either a single quick "beep" (for good continuity) or a double "beep" if the port has incomplete continuity. A one second pause, and then the sequence repeats from step 2. 	
Low Battery <ol style="list-style-type: none"> LED turns on, then off. The LED turns on and the beeper gives one (JP7 OUT) or two (JP7 IN) low pitch beeps. After a half second pause, the beeper gives a short warble. LED turns off. There is a half second pause. Pyro port report status A one second pause, and then the sequence repeats from step 2. 	SD Card is Unplugged <ol style="list-style-type: none"> The LED turns on then off. Long, High pitch beep. Long, low pitch beep. 3/4 second delay. Normal status code starts.
Power-On Self-Test Failure (POST Failure) <ol style="list-style-type: none"> Long warble. Then a half second delay. 1 – 7 high pitch beeps giving a failure code. <ul style="list-style-type: none"> For 1 to 4 beeps: Hardware error. Do not fly. See manual. For 5 or 6 beeps: Reformat or replace card. See manual for more information. For 7 beeps: The SD card is full. Reformat or replace card. A 1 second pause, and then the sequence repeats. 	Break Wire Error <ol style="list-style-type: none"> Short warble. A 1 second pause, and then the sequence repeats. For Breakwire Flight <ol style="list-style-type: none"> Power HCX off. Correctly attach ends of break wire to TB2 pins3/4. For Non-Breakwire Flight <ol style="list-style-type: none"> Power HCX off Attach a wire to TB2 pins3/4. Connect HCX to FlightView In Configuration window, Main tab, check Analog Input.