



# Alvin Chai SK540 Settings

Heli: Gaiu X7  
 Collective Pitch: 13 degrees  
 Cyclic Pitch: 10 degrees

Gaiu X7 #1 - Skookum Robotics Digital Flybar

File View Wizards Utility Preferences Help

**Not Connected** Gyro Serial #: n/c Firmware Rev: n/c

Live Data

Inputs from Receiver

Elevator 0 %  
 Aileron 0 %  
 Rudder 0 %  
 Collective 0 %  
 Throttle 0 %  
 Cyclic Gain 0 %  
 Tail Gain 0 %

Yaw Sensor

Gyro Motion

Elevator 0 deg/s  
 Aileron 0 deg/s  
 Rudder 0 deg/s

(Green = Nose Up, Bank Right)

Orientation: Level

Offline Setup Values

Control Drive System Swashplate Swash Servos Tail Servo Cyclic 1 Cyclic 2 Tail 1 Tail 2

Radio Input Options

Type Spektrum/JR Sats 2048

Cyclic Gain Ch Gear

Tail Gain Ch Aux 2

Misc Logging Off

Stick Deadbands

Elevator 2.0 %  
 Aileron 2.0 %  
 Rudder 2.0 %

Auto Trim at Init

Gyro Mounting Orientation

Servo Bus is pointed: Forward

Upside Down

Low Voltage Alarm BEC

Send Setup (F1)

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Inputs from Receiver

Elevator 0 %  
 Aileron 0 %  
 Rudder 0 %  
 Collective 0 %  
 Throttle 0 %  
 Cyclic Gain 0 %  
 Tail Gain 0 %

Yaw Sensor

Gyro Motion

Elevator 0 deg/s  
 Aileron 0 deg/s  
 Rudder 0 deg/s

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Offline Setup Values

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Swash Type

120 Degree eCCPM  
 135/140 Degree eCCPM  
 mCCPM "1-Servo"  
 90 Degree eCCPM  
 Quad Multicopter

Swash Mixing

Mix % Rev

Elevator Cyclic 65 %   
 Aileron Cyclic 61 %   
 Collective Pitch 49 %

Phase Trim 0 deg

Options

Swash Ring  Piro Comp

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Inputs from Receiver

Elevator 0 %  
 Aileron 0 %  
 Rudder 0 %  
 Collective 0 %  
 Throttle 0 %  
 Cyclic Gain 0 %  
 Tail Gain 0 %

Yaw Sensor

Gyro Motion

Elevator 0 deg/s  
 Aileron 0 deg/s  
 Rudder 0 deg/s

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Orientation: Level

Offline Setup Values

Control Drive System Swashplate Swash Servos Tail Servo Cyclic 1 Cyclic 2 Tail 1 Tail 2

Swash Servo Options

Servo Type Digital

Servo Speed 0.09 a/60

Servo Trims and Reversing

Trim (%)	Travel (%)	Rev
(1) Center	3.0 110.0 119.0	<input checked="" type="checkbox"/>
(2) Right	3.0 110.0 124.0	<input checked="" type="checkbox"/>
(3) Left	-3.0 126.0 129.0	<input checked="" type="checkbox"/>

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Inputs from Receiver

Elevator 0 %  
 Aileron 0 %  
 Rudder 0 %  
 Collective 0 %  
 Throttle 0 %  
 Cyclic Gain 0 %  
 Tail Gain 0 %

Yaw Sensor

Gyro Motion

Elevator 0 deg/s  
 Aileron 0 deg/s  
 Rudder 0 deg/s

(Green = Nose Up, Bank Right)

Orientation: Level

Offline Setup Values

Control Drive System Swashplate Swash Servos Tail Servo Cyclic 1 Cyclic 2 Tail 1 Tail 2

Tail Servo Options

By Name Custom

Servo Name Custom

Freq / Pulse 333 Hz, 760us

Servo Speed 0.05 a/60

Servo Trims and Reversing

Trim (%)	Travel (%)	Rev
Tail	3.0 108.0 97.0	<input type="checkbox"/>

Setup Servo with Rudder Stick

Centre L Stop R Stop

Send Setup (F1)

Default Setup - Skookum Robotics Digital Flybar

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Live Data

Inputs from Receiver

Elevator 0.0 %  
 Aileron 0.0 %  
 Rudder 0.0 %  
 Collective 0.0 %  
 Throttle 0 %  
 Cyclic Gain 0 %  
 Tail Gain 0 %

Yaw Sensor

Gyro Motion

Elevator 0 deg/s  
 Aileron 0 deg/s  
 Rudder 0 deg/s

(Green = Nose Up, Bank Right)

Orientation: Level

Offline Setup Values

Control Drive System Swashplate Swash Servos Tail Servo Cyclic 1 Cyclic 2 Tail 1 Tail 2

Base Gains and Rates

Control Rate	Elevator	Aileron
Control Rates	300	280
Bell Gain	60	60
Hiller Gain	50	50
Damping Gain	18	16
Tail Drag Comp	0	0

General

Lock Cyclic Gain to: 50 %  
 Self Tune Bell Gains  
 Hiller Decay 165 %  
 Cyclic Accel 45 %  
 Self-Level Off 0

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 Aileron 0 %  
 Rudder 0 %  
 Collective 0 %  
 Throttle 0 %  
 Cyclic Gain 0 %  
 Tail Gain 0 %

Yaw Sensor

Gyro Motion

Elevator 0 deg/s  
 Aileron 0 deg/s  
 Rudder 0 deg/s

(Green = Nose Up, Bank Right)

Orientation: Level

The Gain Input for the Cyclic Gyro function (Hiller Gain).

Offline Setup Values

Control Drive System Swashplate Swash Servos Tail Servo Cyclic 1 Cyclic 2 Tail 1 Tail 2

Base Gains and Rates

Control Rate	Control Expo	Rate Gain	Hold Gain	Accel Gain
580	20	75	60	1

Misc Options

Lock Tail Gain to: 40 %  
 Small Heli Cyclic Mx 0 %  
 Blur Piro Collect Mx 25 %

Start Accel	Left	Right	Stop Accel
35	35	35	35

Send Setup (F1)