

Aura 8 Open Stock

- This document details the Aura 8 Open Stock specific features

- + Super PNP Airplanes with an Aura 8 will differ slightly
- + Consult their manuals for specific differences

Quick Trim Mode - Bind Plug in S3 at Powerup

- Put Bind Plug in S3 and Power Aura (●)
- Remove Bind Plug to Save and Apply the Trims (●●)
- Center Trims on the Transmitter
- Power off Aura and Plug Servo back in S3
- Power up with the Aura with the new Trims saved to Aura

B Port for SBus, SRXL/SRXL2, SumD, EX-BUS, JR Mode A/B Digital Output Receivers

Default Servo Output Order

S1: Throttle	S6: Rudder
S2: L. Aileron / L. Elevon	S7: L. Flap (Ch6)
S3: R. Aileron / R. Elevon	S8: R. Flap (Ch6)
S4: Elevator (L - Normal)	
S5: Elevator (R. - Reversed)	

- All Servo Ports can be reassigned for any Wing/Tail type using the Aura Config Tool

6Axis Calculations, Level Assist and Launch Assist

- By default, 6Axis Attitude Calculations are off with v1.25+
- + Identical latency/feel to previous firmwares
- 6Axis Calculations must be enabled for Level/Launch Assist
- To Enable 6Axis Calculations features:
 - + Use Quick Flip to change Flight Mode 1 to 6Axis Level Assist
 - + Or Enable the 6Axis Calcs Flag in the Aura Config Tool

Quick Set Mode - Basic Setup without Programming - Bind Plug in S2 at Powerup

- Put a Bind Plug in S2 at power up to enter Quick Set Mode (●●)
- After entering Quick Set Mode, you can:
 - + **Check Gyro Correction Directions**
 - Roll the Aircraft Wings RIGHT to confirm the Ailerons move in the direction to correct the Wings LEFT
 - Pitch the Aircraft Nose UP to confirm the Elevator moves in the direction to correct the Nose DOWN
 - Yaw the Aircraft Nose RIGHT to confirm the Rudder moves in the direction to correct the Nose LEFT
 - + **Change Gyro Correction Directions if needed**
 - Hold the corresponding Transmitter Stick over for 6 seconds until the Servo reverses direction
 - + **Toggle On/Off Proportional Master Gain on Ch8**
 - If you do not move Ch8 on your transmitter, Proportional Master Gain will be left as it is currently set
 - Move Ch8 on your transmitter HIGH to turn ON Proportional Master Gain in all Flight Modes (●)
 - Move Ch8 on your transmitter LOW to turn OFF Proportional Master Gain in all Flight Modes (●)
- When finished, remove the S2 Bind Plug, power off the Aura, and power up the Aura again
- Ability to set Sensor Orientation and Setup Generic Sport or 3D Profiles is removed in firmware v1.25+
- Super PNP Auras have different Quick Set options such as Gyro Kill Switch, Crow Switch or Alternate Profiles

Quick Change Mode from Aura Config Tool

- Use the Quick Actions --> Quick Change menu option after Connecting to the Aura in the Aura Config Tool
- You can Check or Change Gyro Correction Directions and Toggle On/Off Proportional Master Gain on Ch8
 - This is identical to Quick Set detailed above but can be started anytime from the Aura Config Tool

LED Legend	Off: —	Solid On: ●	Slow Flash: ●	Fast Flash: ●●	Very Fast Flash: ●●●
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Quick Start Overview: Revised for Firmware v1.25+

LED Status

07/27/2025

	Orange	Blue	Green	Red
- Calibrating Sensor	—	●●●	—	—
- Auto-Detect: Searching for a Receiver	●●↔●●↔●●↔●●	●●↔●●↔●●↔●●	●●↔●●↔●●↔●●	●●↔●●↔●●↔●●
- Powered On and Operating				
+ Not Receiving RX Signal	●	—	—	—
+ Receiving Valid RX Signal	●	—	●	—
+ Receiving Invalid RX Signal	●	—	●	—
+ In Failsafe Condition	●	●	—	—
+ Recovered from Failsafe	●	●	●	—
+ Launch Assist Mode Activated	●	—	●	●
- Powered On While Moving (Bad Gyro Calibration)	●	* Any of the above LED combinations		
- Quick Trim Mode (Bind Plug in S3 at power up)	—	●●	—	—
+ Learning Trims	—	●●	—	—
+ Trims Saved	—	●●	—	—
- Quick Set Mode (Bind Plug in S2 at power up)				
- Quick Change Mode (Start from Aura Config Tool)				
+ Gyro Correction Check and Reversing	—	—	●●	—
+ Master Gain Toggled On	●	—	●●	—
+ Master Gain Toggled Off	●	—	●●	—
- Quick Flip Mode				
+ Toggle Flight Mode 1 between Gyro Off/3Axis and 6Axis	—	—	●●	—

Quick Flip Mode - Toggle Flight Mode 1 Between Gyro Off/3Axis and 6Axis Level Assist

- With your Transmitter and Aura powered OFF, connect the Battery & wait for the Aura's BLUE LEDs to stop flashing
- Orient the airplane Nose Down vertically and Hold it Steady
 - + The Aura will detect this orientation and Flip Flight Mode 1 between Gyro Off/3Axis and 6Axis Level Assist
 - + The Elevator will move 3 times to confirm Flight Mode 1 has changed to Gyro Off/3Axis
 - + The Elevator will move 6 times to confirm Flight Mode 1 has changed to 6Axis Level Assist
- Return the airplane to a normal orientation, Power Off the Aura, Power On the Transmitter
- Connect your battery as normal. Test Flight Mode 1 and fly! If needed, repeat this mode to Flip Flight Mode 2 again

Launch Assist - 6Axis Calculations must be enabled

- Launch Assist will command a brisk climb while keeping the wings level if 6Axis Calculations are Enabled
- To activate Launch Assist:
 - + HOLD full Left Aileron and full Up Elevator with Throttle Low & Rudder Centered for 3 seconds
- When Launch Assist is active:
 - + The Red LED will start to flash (●●)
 - + The Ailerons and Elevator will move to keep the wings level and command a climb
- If you are having trouble activating Launch Assist:
 - + Make sure your Transmitter Trims are centered
 - + Keep the aircraft immobile for 5 seconds with the Throttle Low and Ail/Ele/Rud controls centered
- Launch Assist is deactivated and normal control resumes when:
 - + Aileron or Elevator control stick is moved away from center after advancing the throttle