Aura 8 Advanced Flight Control System

For more in depth information, please visit: www.flexinnovations.com/aura

TRANSMITTER SETUP

The Aura 8 defaults to 3 flight modes that are changed via transmitter CH5/Gear which should be assigned to a 3-position switch of your choice.

<table>
<thead>
<tr>
<th>TRANSMITTER CONFIGURATION GUIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATV Setup</td>
</tr>
<tr>
<td>Sub Trim</td>
</tr>
<tr>
<td>Trim Levers</td>
</tr>
<tr>
<td>CH 5 (Gear)</td>
</tr>
<tr>
<td>Reversing</td>
</tr>
</tbody>
</table>

NOTE

For best results with all other non-JR brand transmitters, ATV values are expected to be between 90% and 140% with 125% being ideal.

* JR XBus Mode B users should set the throttle, aileron, elevator, rudder, & gear (CH5) values to 88%.

FLIGHT MODES

Flight modes are an integral feature of the Aura 8. Each flight mode can be programmed with a specific set of dual rates, exponential, and control modes to suit a specific type of flying style or preference. Flight modes can be changed at any time during flight. Typically, the flight mode switch is assigned to the CH5/Gear channel on a 3-position switch (a 2-position switch may be used but the Aura will be limited to two (2) flight modes). A common flight mode setup would be:

- **Flight Mode 1**: Low Rates with Gyro Off
- **Flight Mode 2**: Low Rates With Low Gyro Gains
- **Flight Mode 3**: High Rates with High Gyro Gains

CONTROL MODES

Control modes define how/if the Aura sensors affect the servo outputs. Each control mode has specific settings such as gain, stick priority, gain scaling and each control mode can be assigned one or more flight modes depending on the desired flying style or preference.

A common control mode setup would be:

- **Control Mode A**: Manual Control (Gyro Off)
- **Control Mode B**: Low Gyro Gains
- **Control Mode C**: Medium Gyro Gains

AURA 8 AIRFRAME INSTALLATION

Mount the Aura 8 to the airframe using the included double-sided foam tape. Please observe the following rules for properly mounting your Aura. Any deviation from these explicit conditions could cause improper function the device and may result in a crash.

1. Thoroughly clean the area to which the Aura will be mounted. Any surface dirt, dust, grease, or oil will severely marginalize the foam tape's strength.
2. Ensure that the mounting surface is solid and not susceptible to flex or movement.
3. If installing in a high-performance airplane (larger than a typical park flyer), place a Velcro strap around the unit to prevent it from becoming dislodged during high-energy maneuvering.
4. The Aura may be installed in any convenient location in the fuselage, noting:
   - The unit may be mounted upright or inverted as required in your installation.
   - The unit may be mounted in the longitudinal or lateral axis in any orthogonal orientation. Use the Aura app to properly configure the orientation.
**WARNING**

Exercise extreme caution when plugging in any lead that could potentially supply power, or short power buses. It is possible to ‘reverse’ or ‘short’ a power connection by even partially plugging in a connector. Examples (but not limited to):

- Connecting multiple batteries or power leads. Use switchs, extensions, and Y harnesses with extreme care.
- Connecting PWM cables. Install PWM cables with power removed from the system. Inspect awkwardly before rewiring the system.

The USER MUST PROVIDE AURA WITH A STABLE AND RELIABLE POWER SUPPLY. FAILURE TO DO SO COULD RESULT IN LOSS OF CONTROL OR CRASH.

**NOTE**

The stock Aura 8 (not pre-installed in any airborne) will not auto-detect PWM connections. Please use the Applications new model wizard to configure for PWM.

**LIMITED WARRANTY**

Warranty Coverage - Flex Innovations, Inc. and its authorized resellers ("Flex") warrant to the original purchaser that the product purchased (the "Product") it will be free from defects in materials and workmanship at the date of purchase.

Outside of Coverage - This warranty is not transferable and does not cover: (i) Products with more than 45 days after purchased date; (ii) Damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance; (iii) Modification of or to any part of the Product; (iv) Product not compliant with applicable technical regulations; (v) Shipping damage; (vi) Cosmetic damage.

Other than the EXPRESS WARRANTY ABOVE, FLEX MAKES NO OTHER WARRANTY OR REPRESENTATION, AND HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NONINFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER’S INTENDED USE.

Purchaser’s Solution - Flex’s sole obligation and purchaser’s sole and exclusive remedy shall be that Flex will, at its option, either (i) service, or (ii) replace, any Product determined by Flex to be defective. Flex reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Flex. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER’S SOLE AND EXCLUSIVE REMEDY.

Limitation of Liability - FLEX SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF FLEX HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Further, no action at law, nor any available remedy, whether at equity or statutory, can be had against Flex, for any claim, demand, suit, action, cause of action, or similar proceeding, arising out of Flex’s sale or the use of Flex products. Flex’s sole obligation and purchaser’s sole and exclusive remedy shall be that Flex will, at its option, either (i) service, or (ii) replace, any Product determined by Flex to be defective. Flex reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Flex. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER’S SOLE AND EXCLUSIVE REMEDY.

Law - These terms are governed by Florida law (without regard to conflict of law principles). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. FLEX RESERVES THE RIGHT TO MODIFY THIS WARRANTY AT ANY TIME WITHOUT PRIOR NOTICE.

**QUESTIONS & ASSISTANCE** - For customer support in your region, visit: http://www.flexinnovations.com/index.php/reseller-sub-inspection or if this Product needs to be inspected and serviced is compliant in the region you live and use the Product in, please contact your regional Flex authorized reseller. Pack the Product securely using a shipping carton. Please note that original boxes needs to be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Flex is not responsible for merchandise until it arrives and is accepted at the reseller’s facility.

Warranty Requirements - For Warranty consideration, you must include your original sales receipt verifying the proof of purchase date. Provided warranty conditions have been met, your Product will be replaced free of charge. Shipping charges are as follows: to Flex by customer, Flex out it is by Flex. Service or replacement decisions are at the sole discretion of Flex.