RaceWare™ Firmware Update Version 1.3: Active Vehicle Control™ (AVC™) Technology

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SPEKTRUM
Innovative Spread Spectrum Technology

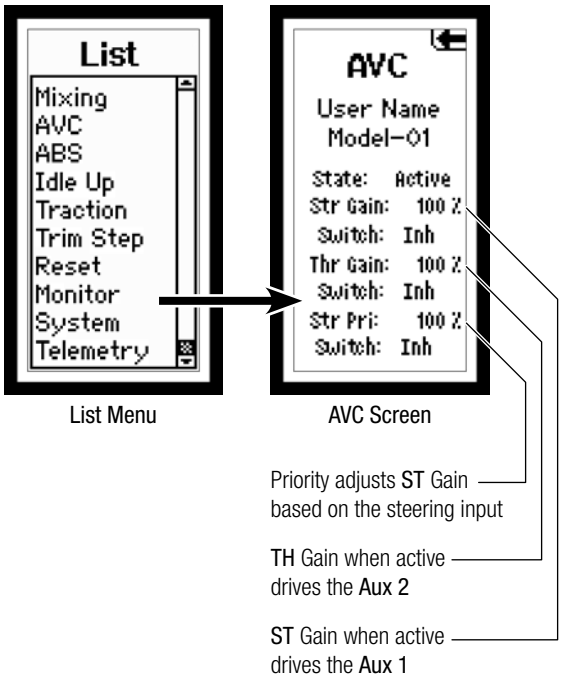
DX4R PRO

4-Channel 2.4GHz DSMR™ System

ACTIVE VEHICLE CONTROL (AVC)

If AVC is active, only two channels, Steering and Throttle, are operational. The Aux channels can be used to power a personal transponder or lights.

If AVC is disabled (see Disabling the Stability Assist Function to disable AVC), the Aux channels will operate as servo channels. Aux channels are not available for use in mixes when AVC is active.



List Menu AVC Screen

OPTIONS

- ST Gain
- TH Gain
- Priority

1. Select AVC from the LIST menu.
2. Change the State field to ACT .
3. **Adjust the ST Gain and/or TH Gain Sensitivity**
   The default value is 0% (ST Gain and TH Gain OFF). As the value increases, the AVC steering stability and throttle management increases.

   Adjust the ST Gain until you reach the ideal amount of steering control. If the front wheels begin to shake, the ST Gain value is too high. Reduce the ST Gain value until the front wheels stop shaking. You can assign ST Gain and TH Gain to the same switch, enabling you to adjust both values at the same time.
4. **Switch:** Assigning ST Gain and TH Gain to a switch enables you to adjust the sensitivity without using the AVC menu. ST GAIN and TH GAIN can be assigned to the same switch to adjust both simultaneously.
5. **Adjust the Steering Priority**
   The Priority default value is 0%, meaning AVC is active when the steering is close to center. As you turn the steering wheel away from center (neutral), the transmitter controls have priority over the AVC system. Increasing the Priority value decreases how active AVC is as the steering wheel is turned left and right. For example, if you increase Priority to 80%, you reduce the AVC steering control by 80% at full left or full right steering. Increasing the Steering Priority enables you to make tighter turns.

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