

DIGITAL CONTROLS

To simplify the operation and adjustments of the control, please refer to the front and back of this page.

***Once the engines are running:**

- Press ON switch in the upper right corner.
- Press switch #1 after the screen comes up. This changes motions "off" to motions "on", and the system is pressurized.

At this time you will see a percent value for gain to the right of each term. Typically, this is 40% angle, 80% gain, and 20% accel.

***As the gain for the angle (basically, adjustment for heel) is increased, the effectiveness of the rate (to reduce for roll) will begin to be limited. The accel gain excites the system, increasing sensitivity. However, keep in mind that too much angle gain still limits roll reduction.**

***To change the gain settings:**

- Press #2 until a box appears around the gain desired to change.
- Press #3 to decrease gain setting, until desired gain is achieved.
- Press #4 to increase gain setting, until desired gain is achieved.
- Press #5 to increase or decrease the screen intensity.
- Press #6 to view other screens. Once this is selected, the description above each switch will change to display screens available.

***Keep in mind that this system is fully automatic and receives information from the Data Marine Navigation System for speed input.:**

- As the vessel's speed decreases to 4 knots, the system will center.
- As the vessel's speed increases, the system will become active again.

***To position a trim tab from the L/R Box:**

1. Switch to MOTIONS OFF on the system display.
2. In the L/R Box, switch the actuation mode for either or both trim tabs to LOCAL.
3. Use the L/R jog switch to position the trim tab.

***To return to NORMAL actuation of the roll control system, both L/R Box switches must be set to the REMOTE position.**

NOTE

**Do not switch back to REMOTE until at least five seconds after
Moving the trim tab to LOCAL.**

MAIN DISPLAY

The MAIN display page is the primary display for roll control operation. The MAIN display format is shown in figure 2-3, below.

The current mode for MOTIONS control (ON and OFF) is shown at the upper left corner, and is selected by the AUTO ON/AUTO OFF switch at lower left.

The control surface modes (NORMAL or BKUP) are shown in the upper right corner.

The center section of the display contains parameters for roll control. The operator input parameters are described in Sections 2.4.2 and 2.4.3. of the operations manual.

