

## Application 1 – Skid Steer

Control a skid steer with a dual axis joystick.

Button activates Counter Rotate Mode



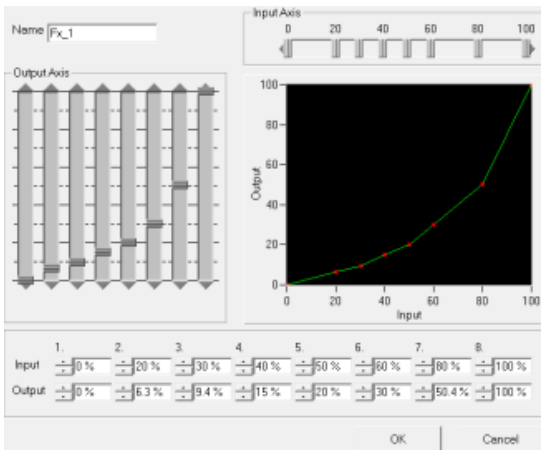
Forward

Reverse

Right

### Multi Axis Joystick

Analog signal output to the DVC707 translates to the direction and speed of the vehicle tracks. The joystick is also equipped with buttons, one of which can be used to activate the Counter Rotate Mode.



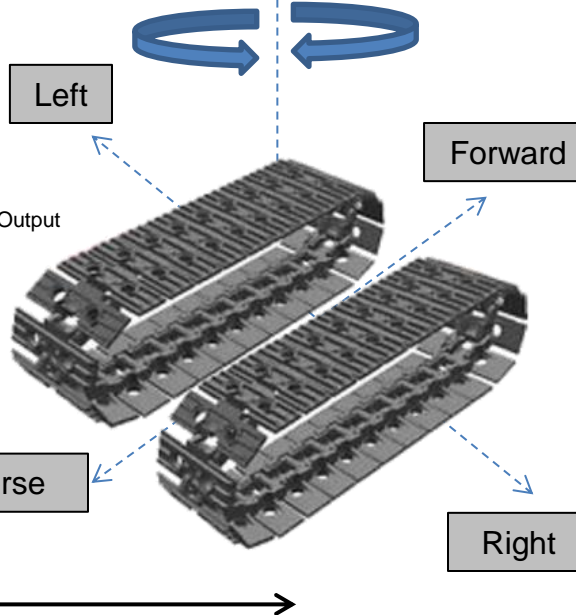
+ Controller  
- Supply Power (9-32VDC)



2x 0 to +5V input (2.5V center)  
1x digital Input

Dual Coil Proportional Output

Dual Coil Proportional Output



### Counter Rotate Mode

When the operator depresses the button on the joystick, the application engages the Counter Rotation Mode allowing the user to turn without moving forward. In this mode, both tracks move in opposite directions. The amount of side deflection of the joystick controls the speed.

### Forward/Reverse Mode

Pressing forward on the joystick acts as a throttle forward. Both tracks move in the same direction. Moving the joystick to the left commands the left track to slow down making a left hand turn. Moving the joystick backwards acts as a reverse throttle.

### Adjust I/O Curves

Quickly and easily adjust the I/O curve for linear or non-linear relationships for better speed and direction control.