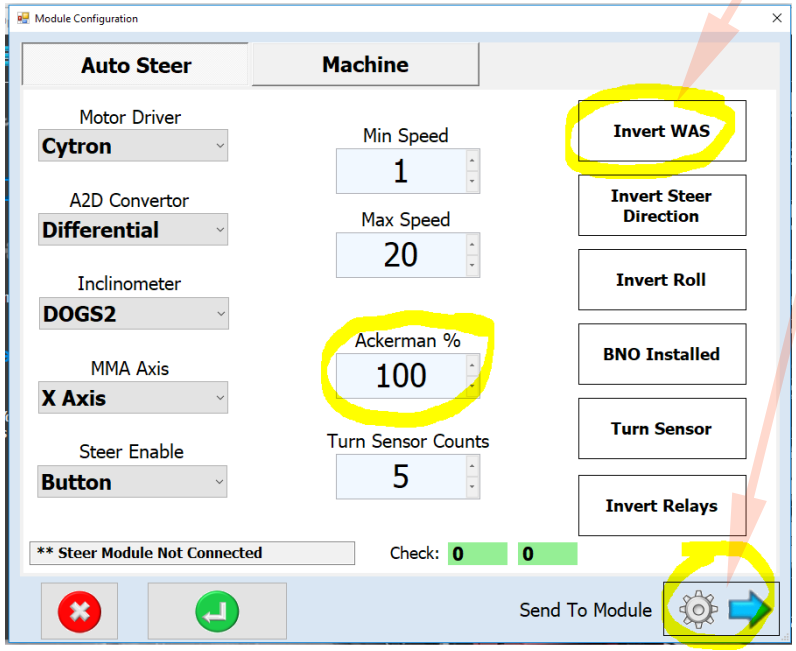
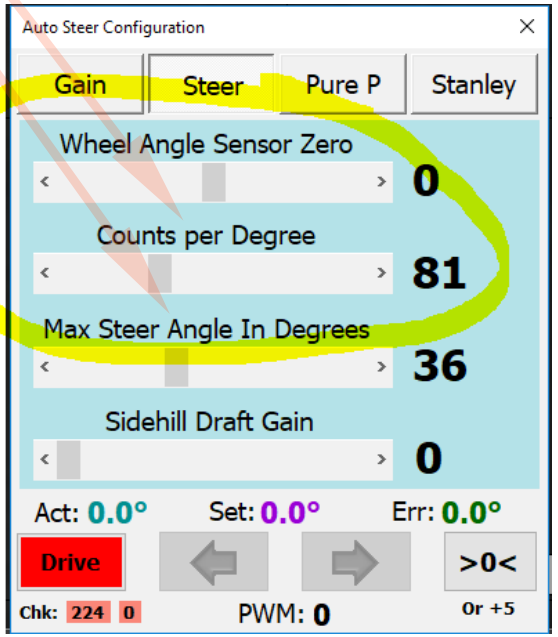
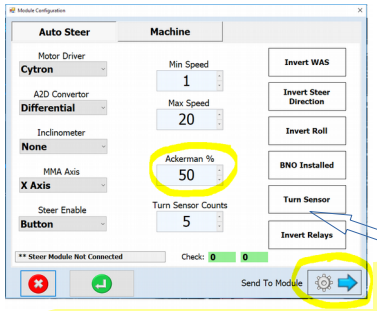
Initialize Steering

1. Measure the maximum wheel angle of your tractor (= average of left and right wheel)
2. Turn steering to the very left and then to the very right end
3. Positive angles should be to the right: If not, activate „Invert WAS“ in „Module Configuration“
4. Save values to EEPROM by „Module Configuration“/„Send To Module“ (Ackermann := 100%!)
5. Adjust „Counts per Degree“ in one of the ends matching the values of 1.
6. Set „Max Steer Angle In Degrees“ = somewhat lower than the value of 1.
7. Option: Connect inductive proximity switch at the front wheels, so that the NO NPN output is active, if angle == 0°
8. Test it and find out the best settings for „Gain“, „Pure P“ and „Stanley“!

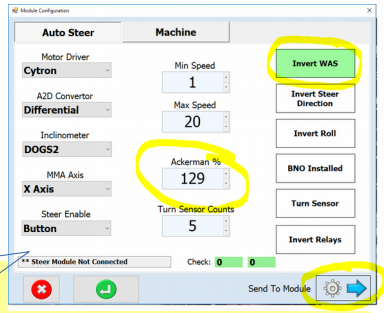
Picture: Wikipedia.com

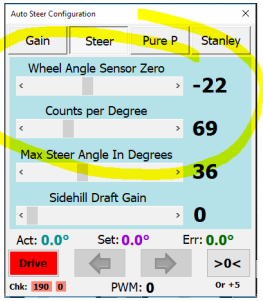






1. Unplug rotary encoder
2. Send Ackermann=50
3. Set values acc. WAS





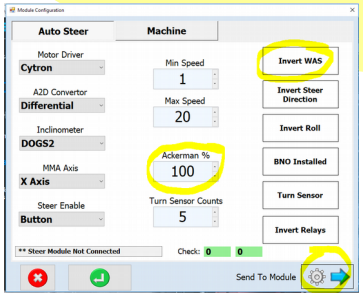
(Example values)

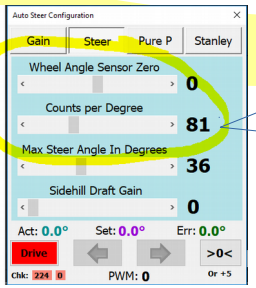
Rotary Encoder

Ackermann	:= 100% (always)
Invert WAS	Yes / No
Wheel Angle Sensor Zero	0
Counts per Degree	_____

Wheel Angle Sensor

Ackermann	_____ %
Invert WAS	Yes / No
Wheel Angle Sensor Zero	_____
Counts per Degree	_____





1. Plug rotary encoder
2. Send Ackermann=51
3. Set values acc. Encoder