HOW TO SETUP PWM AND SOFTSTART ON HP8441 (Hardware must be PWM Version)

PWM on HP8441:

1) Available for High power channel 17 + 18

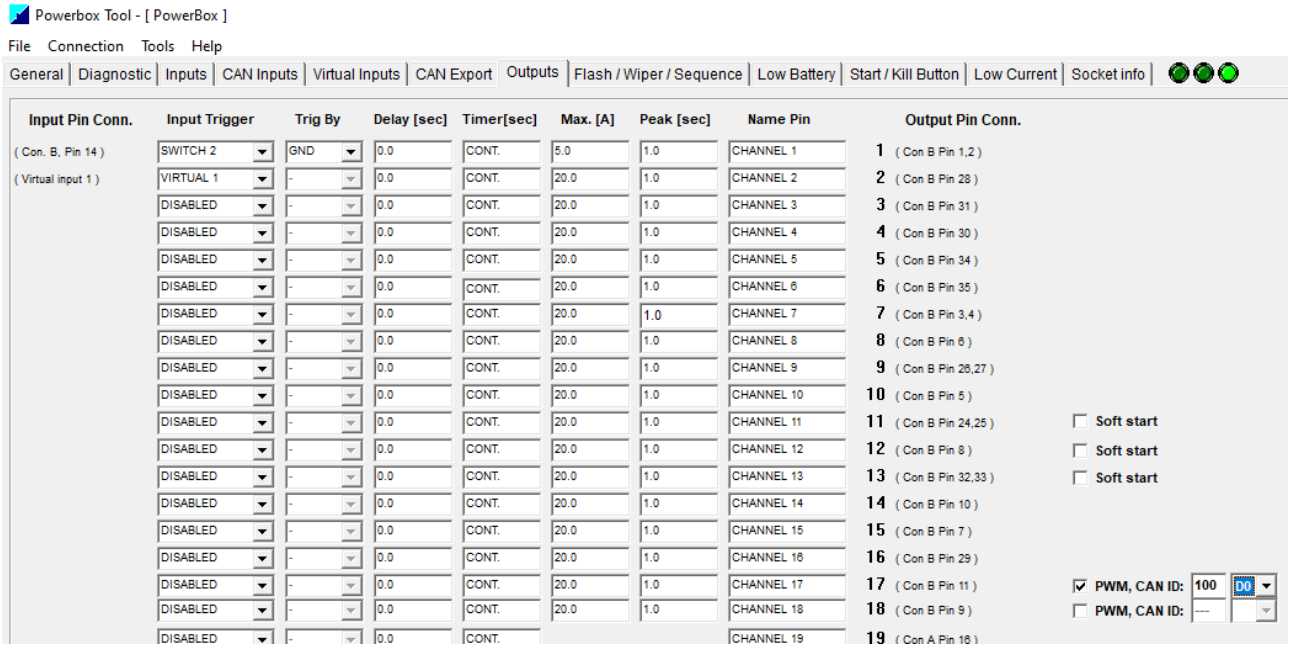
2) PWM frequency is fixed at 61Hz
   Controlled by HW timer, which ensure stable and exact output according to setting.

3) PWM duty cycle is controlled by 1 byte CAN from message:
   00h= 0% = Off
   40h= 25%
   80h= 50%
   C0h= 75%
   FFh= 100% = 100% On

   CAN ID + byte number entered / selected on “Outputs” page.

4) Output channel also controlled by Input Trigger / Delay / Timer.
   I.e. PWM generator is placed after processing ‘standard’ output channel behavior.

   To generate PWM output, Input Trigger must be “On” and CAN message with PWM duty cycle must be present.



Soft start on HP8441:

1) Available for High power channel 11 + 12 + 13
   Controlled by software, therefor more limited in ‘performance.’

2) When output switched on (by input Trigger), is startup using this PWM sequence:
   20% for 400ms (5ms On, 20ms Off = 40Hz PWM)
   25% for 400ms (5ms On, 15ms Off = 50Hz PWM)
   50% for 1000ms (10ms On, 10ms Off= 50Hz PWM)
   75% for 750ms (15ms On, 5ms Off = 50Hz)