



The control code written using the BoostC PIC Compiler as a demonstration of a Novo RTOS.

This code controls the speed of a fan using pulse width modulation, ie the fan speed is controlled by varying the duty cycle of voltage waveform applied to the fan.

The desired speed is set by typing a 1 to 3 digit number (0 to 255) on the keypad and then pressing the '#' key. Pressing the '*' key switches between the last two set speeds. This code uses Novo RTOS as it makes things so much simpler. The PWM is implemented in software using Novo RTOS Sys_Sleep functions.

The Keypad matrix is connected to PORTC (see keypad.c for details).
The pwm output is generated from pin RB1.

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