



Tutorial for using IR Remote Control with NeoBot & Using NeoBot as Obstacle Avoider Robot

- Download the hex file from NeoBot page on www.robokits.co.in
- Change fuse bit to run the controller on 1Mhz internal oscillator
- Program the hex file for appropriate controller
- Connect one IR Sensor on UART header on the circuit board, Set the jumper between 2-3 for external signal for IR LED. This sensor will work as obstacle detector when used in obstacle avoider mode.
- Connect second sensor on ADC0 (Pin 40). Remove the jumper from the sensor board. This sensor will work as receiver for IR Remote RC5 codes.
- Power on the NeoBot
- Now you can use the remote control to move the NeoBot in the direction you want.



Functions on remote control

Arrow Keys	Move the bot Forward, backward and take turns
Keys PP & Store	Motor 3 Forward-Backward
Keys AV & Search	Motor 4 Forward-Backward
Keys 1,2 & 3	Speed control of driving motors
Key 9	Go to Obstacle Avoider Mode

* You may need to set the motors as per the driving signals received from remote.