

Multicontrol Robot - Control by GSM, Remote or Accelerometer

ajay_bhargav, Sun Feb 03 2013, 07:36 am

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This project is an extension to previously uploaded "[GSM Controlled Robot](#)". Earlier project was only designed to be controlled using a mobile or GSM device whereas this project extends the control capabilities to custom designed RF Remote and A glove with Accelerometer.

This project is divided into two sections

1. Control/Encoder unit
2. Robot Unit

Control unit uses 433Mhz RF modules for sending control data to robot. Control unit receives data from either remote or an accelerometer module. Robot unit is actually the receiving device which can receive data from either GSM device or RF receiver. Both RF receiver and GSM device send same kind of signals to control motors.

Control/encoder unit uses 8051 controller and its code is written in assembly whereas Robot unit uses AVR microcontroller, its source is written in C language. If you have already built the old GSM controlled robot then upgrading to this version of robot will not be difficult at all.

I have also added original project report came with GSM controlled robot, You can add more information in this project report to complete final report.

Here are working videos of project:

Multicontrol Robot - Control by Accelerometer

Multicontrol Robot - Control By Remote

Click download link below to download this project:

[Multicontrol Robot - Control by GSM, Remote or Accelerometer](#)

I would like to thank Gaurav Khadasane for submitting this project we would like to see more projects from you.