

IR REMOTE BASED WIRELESS ROBOT



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INTRODUCTION

Nowadays there is lot of devices operated by an infrared remote control at houses: televisions, air conditioning, VCRs, heating systems, etc. In addition, the expected wide spread of robots at home will reveal a new world of opportunities. So, in the next future, new household robots communicating with house appliances will appear. Besides, since remote controls have turned more and more complicated, we tried to elaborate a easier and more intuitive way of commanding them. We specially oriented our researches to children and elder people.

The required infrared commands for doing some tasks are easily taught from the original remote control and, subsequently, commands are sent by the robot upon request of the user.

One of the biggest advantages of the work is to remote the regular appliances, it means without any change or adjustment of them. Therefore, high specialized expensive devices capable of being integrated with demotic controllers are not necessary and money is saved.

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