ZIGBEE REMOTE CONTROL OF ROBOT BASED ON EMBEDDED TECHNOLOGY

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Abstract

Many developed countries are working on advancement, with keen focus on specialized products e.g implementation of complex algorithms etc. Designs that use simple algorithms and techniques to perfom complex tasks are the need of the day. Mobile robots have broad prospect of applications in remote control especially wireless. Continuous development of embedded technology and system provides good platform for mobile embedded system robots in hardware. With Zigbee radios of 802.15.4 protocol operating system, this project puts forward a kind of remote control method of mobile robots supporting long range, simple design and efficiency. The previous research experiments have proved that embedded mobile robot has low power consumption and strong real-time control for long range. This also proves the validity of this method in user specified tasks handling.

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