

Remote control of household appliances using RF waves

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Abstract: In the context of the rapid growth of communication and electronic technology, remote control of household devices using RF waves is becoming increasingly important. This topic focuses on building a remote control system for household devices based on high-frequency radio (RF) waves. The objective of the topic is to develop and deploy this system, aiming to solve the problem of automation and improve the efficiency of using electronic devices. The research method combines theory with experimentation, from analyzing the basic principles of RF waves to designing control circuits and testing the system. The expected result is a widely applicable solution, making a significant contribution to the field of home automation.

Keywords: Remote control, RF wave, Home automation