

Controlling electrical devices using a phone running the Windows Phone operating system

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Abstract: In the context of the increasing convenience and flexibility of mobile devices, this topic focuses on developing a solution to control electrical devices via a mobile phone running the Windows Phone operating system. The main objective is to build a dedicated application for Windows Phone capable of receiving user commands and controlling electrical devices within a smart home environment. The research method is based on a combination of mobile programming theory and wireless signal transmission techniques. The significance of this topic lies in providing a specific solution for realizing a smart home management system, while also contributing to the development of information technology applications for mobile devices.

Keywords: remote control, smart home, Windows Phone