

Building a Bluetooth communication application with the Android operating system on the STM32 kit.

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Abstract: This topic focuses on building a mobile application using the Android operating system platform to communicate via Bluetooth with STM32 devices, aiming to meet the requirements of efficient wireless communication. Through theoretical research and experimental implementation, the objective of the topic is to develop a safe and stable communication system between the two hardware and software platforms. The expected results have high applicability in improving the interaction and connectivity capabilities between electronic devices. This topic hopes to provide the technical community with a practical solution and scientific and technological value.

Keywords: Android application, Bluetooth, STM32, wireless communication, transmission system