

STUDY ON TRANSMISSION METHODS

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ABSTRACT

The project presents the Research conducted on Transmission Methods using certain component circuit. The basic one that the research was done on is the Ultrasonic, Infrared and RF transceiver. Understanding the ways of how the mentioned methods transmit electrical signal is what needs to be known because once that is done, modification will be simple.

Practically to design and implement for the circuit to work, the proper light ambience and surroundings is needed to be thought about properly, e.g: Infrared Transmission System is not suitable for broadcasting in large spaces whereas RF is your best bet.

For ultrasonic deciding the range and frequency and the transmitter and receiver components is very important. Its characteristics must match (transmitter and receiver) for better transmission.

The result and analysis of the project shows that this project has been completed successfully by meeting most of the objectives and satisfying the aim. To improvise on the project, the designs of IR circuit will have to be much more but its range of transmission shows the limit.

Keywords: Transmission, Ultrasonic, 315 MHz/ 415Mhz Transceiver, Infrared