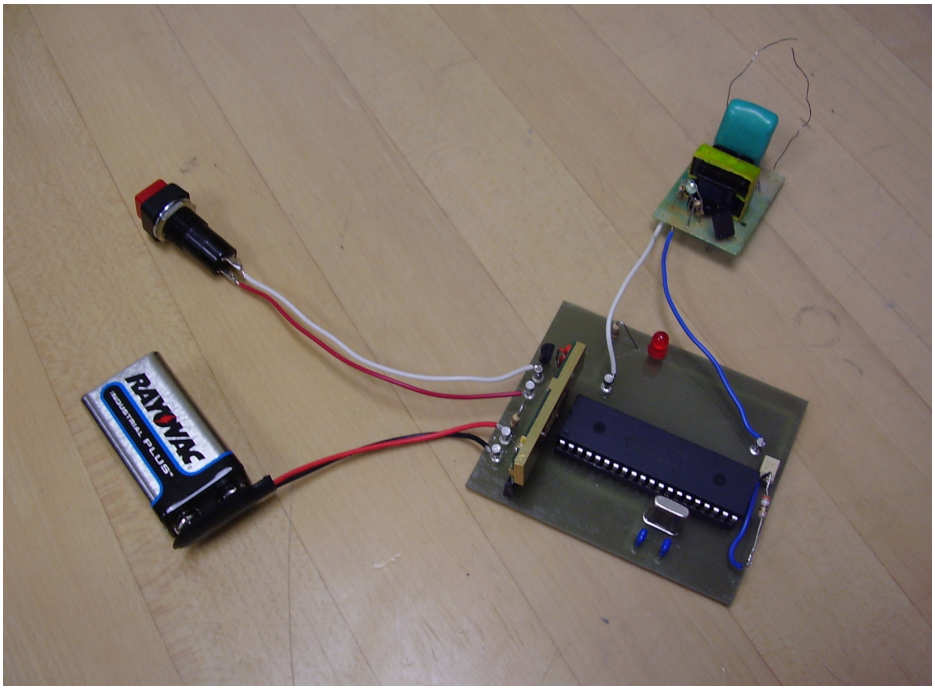
Wireless Dog Leash



Receiver/ Shocker

Project Description

The objective of this project was to design an easy to use, hands free method of training your dog to be reliable while off leash.

The system consists of a hand held remote and a collar that administers a corrective static pulse (shock). Constant communication is kept between the remote and collar by means of R.S.S.I. (Received Signal Strength Indication) which measures the strength of the signal according to the distance between the two. When past a certain range the micro-controller sends instructions to the receiver to shock.

Key Features

- Wireless
- Ability to send shock directly

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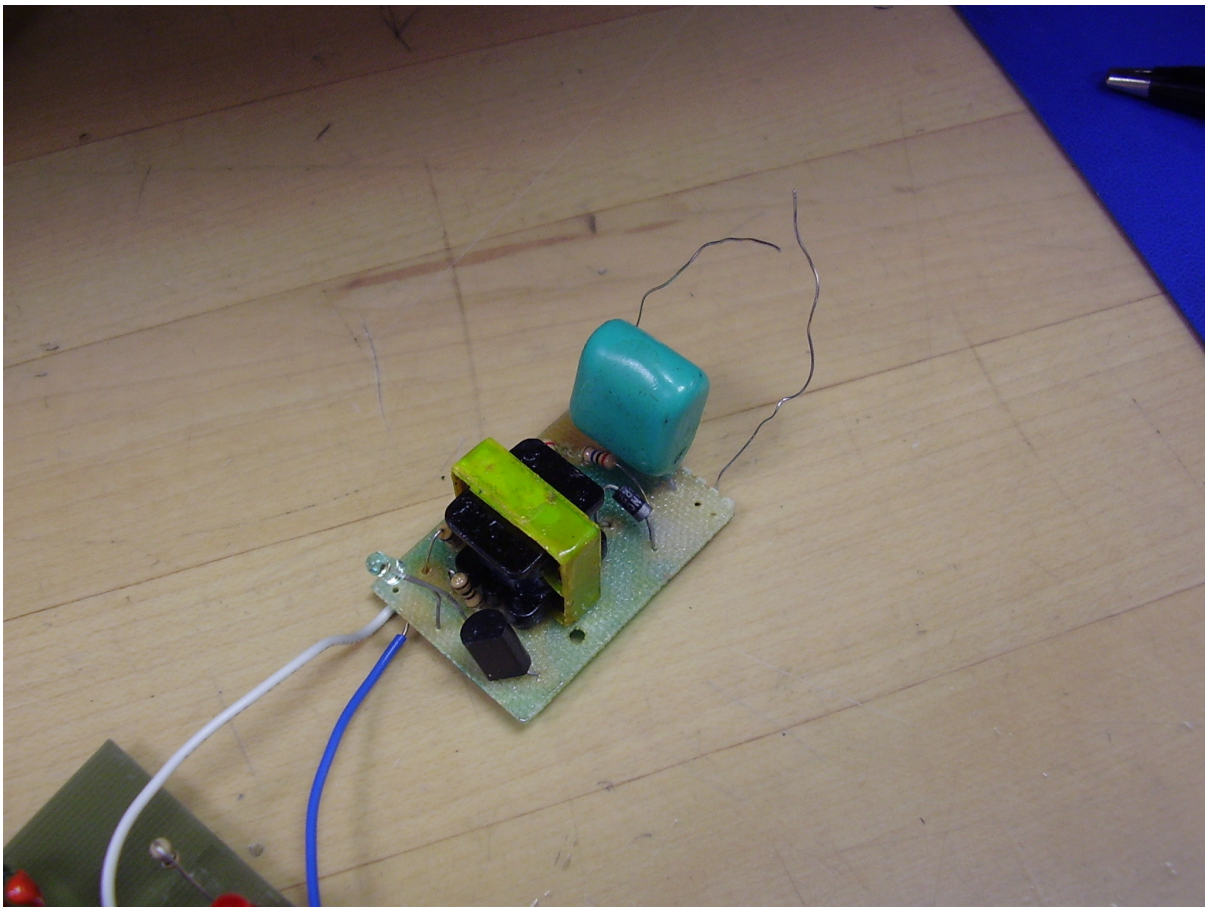
Technical Specifications

- Easy Radio ER900TRS Transceiver Chips
- PIC 18F452 Micro Controller
- 860-920 MHz frequency range
- Approx. 1kV shock
- 5 meter allowance
- Line of sight range



Shocking Mechanism

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