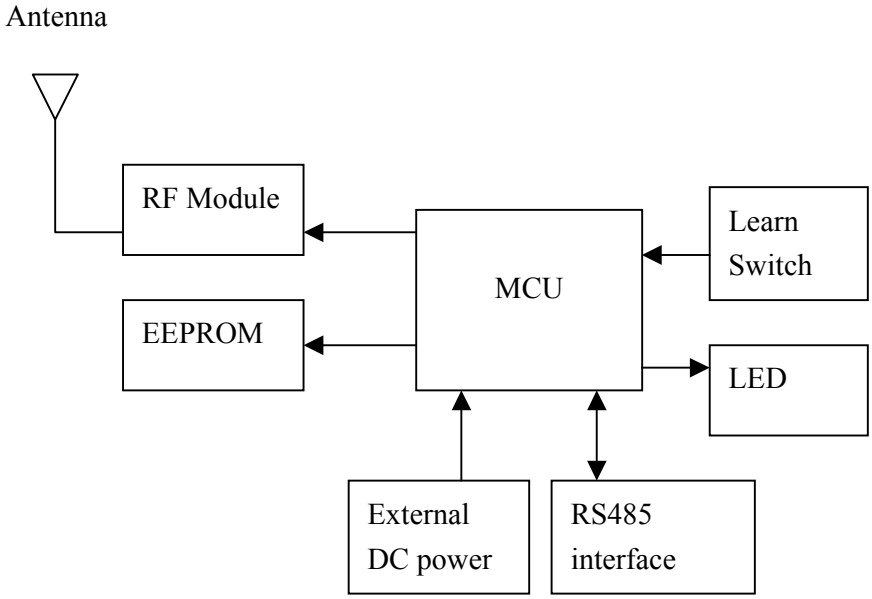
PDA pool/spa wireless remote controller J-box (model 8252) Block Diagram



Circuit Description.

The PDA JBox is part of a wireless remote controller system for transmitting and receiving control signal to and from a PDA handheld device.
It works from an external DC Power Supply that is regulated to a 5V and a 3.3V.
It includes an RS485 interface for attaching to other device, an EEPROM for data storage, a Learn Key for initial pairing up of the devices, LEDs for general indication purpose and an RF module. The frequency of operation is in the range of 902-928MHz. The modulation used is FSK with 10kHz deviation.