Apple iPhone/iPod Touch - iRemote

Universal Remote Accessory & Application

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Project Overview

The iRemote is an iPhone application to control home entertainment devices like a universal remote controller.
iPhone Stats

- 21.4 million iPhones are sold to date, March 28, 2009 (Apple Reports Second Quarter Results)
- 35,000 applications and counting (Apple-iPhone official website)
- iRetroPhone application made $30,000 the first day of sales (CenterNetworks.com)

iRetroPhone Interface
Block Diagram and Image

IR Transmitter

MSP430 Microcontroller

Audio/30-Pin Data Transfer

iPhone Interface
iPhone Application (BETA)

Real-time screenshots of working iRemote beta application simulation
Infrared Transmitter

LSA capture of IR signals from an RCA TV remote controller
Motivation

“We are designing for the pinnacle of mobile computing technology”
- Ryan Nuzzaci