RemoHome
Control with a Finger @ Anywhere

Problems
• Want your room warm when you get home?
• Didn’t turn off your heater when you left?
• Want to control your entire home with a single device?
• RemoHome has a Solution for You

Target Users
• Bring connectivity to existing appliances
• Low cost and expandable Solution
• Affordable remote home monitoring and control

Solution
• Device records and plays back IR signals
• Wirelessly communicates with the web server
• Allow users to customize their own control interface

Design Evolution
• Intuitive control interface construction
• Ease of adding new appliances
• More robust communication

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Web Interface For Room/Appliance Control

Final Prototype
• Contains both IR detector and transmitter
• Talks to server via XBee
• Simple yet customizable web interface
• User authentication
• Real time temperature update from the device’ sensor
• Prototype cost < $100