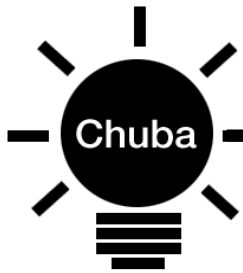


2542 Fillmore Residence Smart Home Overview

by Chuba Consulting, Inc.

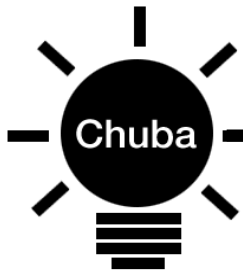
May 2008

Rev 1.0



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Objective of Smart Home Design

Latest technology made easy and convenient

Any Music, Any Where

No visible equipment

Elegant controls

Energy Savings and Automated Lighting, Climate and Security

Lights go on at predetermined time and level

Dim and Brighten automatically as you enter

Climate is pre-programmed year-round

Cooling and Heating is stopped when doors or windows left open

Conveniently Access and Control all resources from:

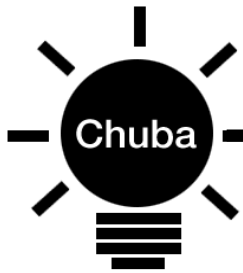
In-wall Touch Screen, Wireless Remotes, Wall Switches

Locally or Remotely from any computer or web enabled phone

Ever gone to bed and forgot to turn something off? No need to get up again.

- Turn off lights in the entire house with a single button
- Check any open door or window, enable security system
- Turn up the heat or turn off any TV, Video that you left on.

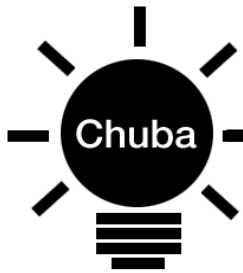
All without leaving the comfort of your pillow



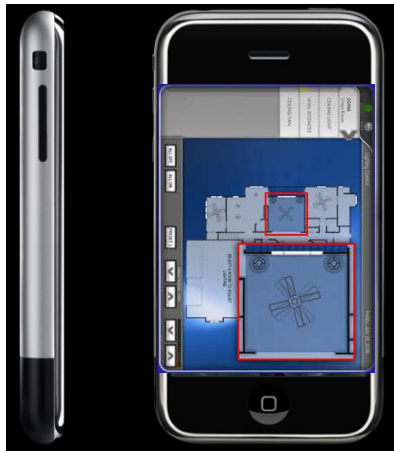
Music System – Sonos Inc.

- 5 Music Zones with 10 pair of Bose in-wall speakers, 1 outdoor pair in courtyard
 - Capable of playing 5 different sources simultaneously or linked together in any grouping
 - Any pair of speakers can be turn on/off
 - Each floor has hidden 150watt sub-woofer
 - Music selected and controlled on an iPod style wireless remote through the house
 - Each individual zone has an 8 button wall switch to enable speakers, music and volume
- Home Theatre in lower level
 - 5.1 Dolby/DTS surround sound system, in-wall
 - Flat Screen on wall, all components in remote cabinet, controlled remotely

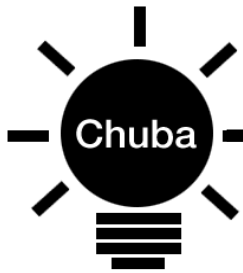




House Controls



- Family Room in-wall Touch Screen
 - Control and see status of entire system
- 3 on-wall Flat TV locations
 - Master Bedroom TV only
 - Family Room connected by HDMI and Component w/ Digital Audio to A/V component closet in hall way
 - Lower Level Home Theatre connected by HDMI and Component w/ Digital Audio to A/V cabinet to the right of wall
- TV cable, Gigabit Ethernet and telephone distributed to all rooms
 - Can use landline or VoIP with regular phone
 - Wi-Fi N with extended range trough the house
- Entry door intercom rings home phone
 - Pickup any phone and talk to guest outside your door
- Remote Access to control any part of the system
 - Securely log-in to the web page of your house from anywhere in the world
 - Use any Windows or Mac PC or web enabled phones like iPhone, Treo, Blackberry

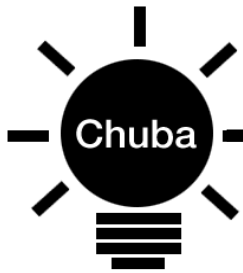


Lighting System

All Lights are controlled by the system automatically or can be controlled individually from Touch Screen or any of the fore mentioned controls



- Rooms with multiple lighting fixtures can have lighting pre-sets for various occasions
- Hand held remote can be programmed to control any or all lights
- Lights can automatically dim or turn off when turning on TV or enabling security when exiting
- While away lights can be programmed to simulate your presence
- Outdoor lights programmed to dim up to 15% at dusk and off at dawn.
 - When opening entry doors lights will automatically dim to 100% for a period of time and then go back to 15%
- All lights through the house can be programmed to automatically turn off at midnight (for example)
 - Any light can be monitored and turned automatically after a specific time period

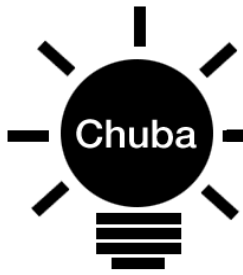


Climate and Security

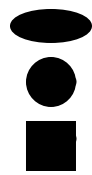
- There are 3 temperature zones, one for each level of the house
 - Upper and middle floors have thermostats on one side of the floor and a sensor on the opposite side. An average of the two locations is used to set temperature for the entire level. An offset can be adjusted
 - FAN and Temperature can be set manually at any thermostat, on Touch Screen or any other remote control
 - The system is programmed to automatically set a temperature profile for the entire 24 hours and can be adjusted per season or absence of inhabitants automatically
- Every exterior door and window has a security sensor, each level has a motion sensor
 - Security can be set for perimeter only or away modes (motion sensor enabled)



When a door or a windows is left open, a corresponding climate zone is disabled regardless of temperature setting. This feature automatically prevents waist of heating or cooling energy.

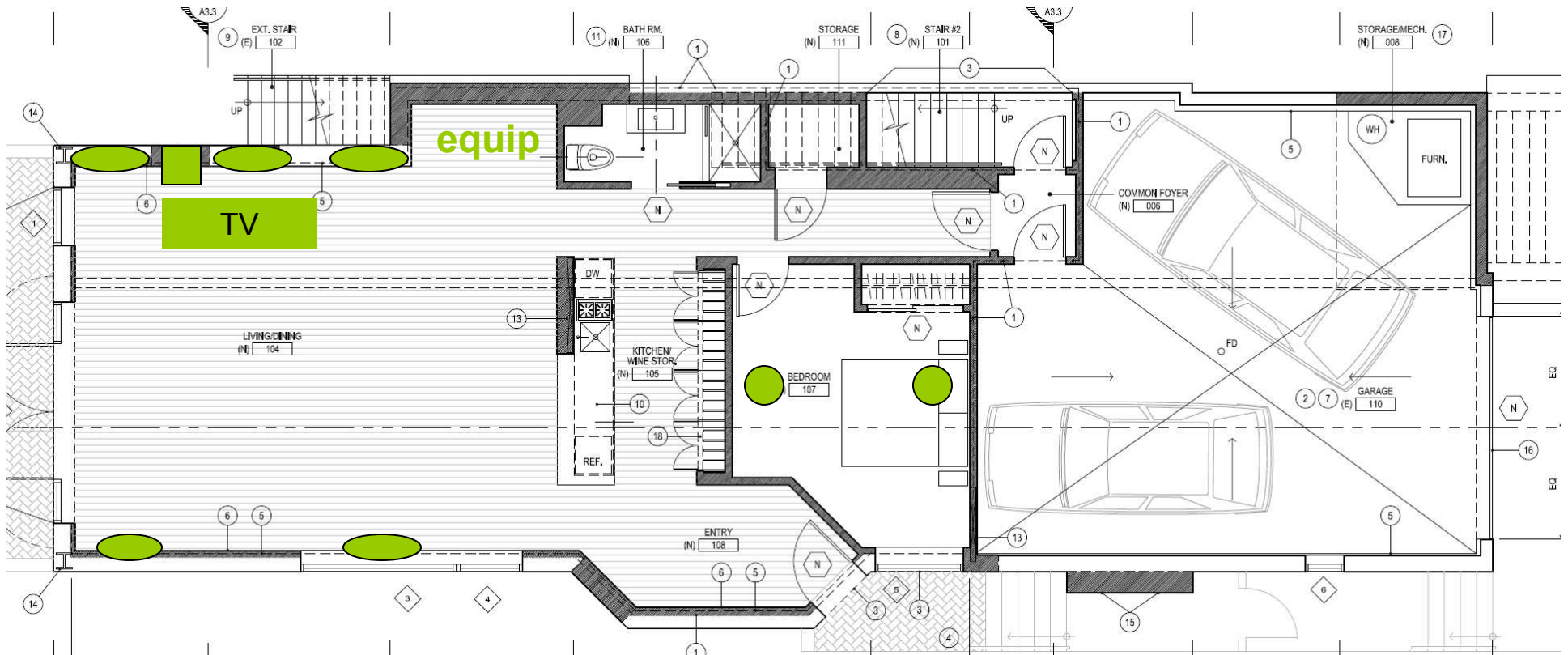


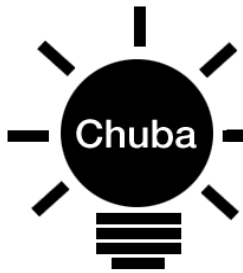
Music Zones – Lower Level







- In-Wall Main Speaker
- In-Ceiling Main Speaker
- In-Wall Powered Sub-Woofer

- Zone 1: Theatre and bedroom
- TV on wall
 - Equip cabinet
 - 5.1 Speakers
 - Bose pair in bedroom

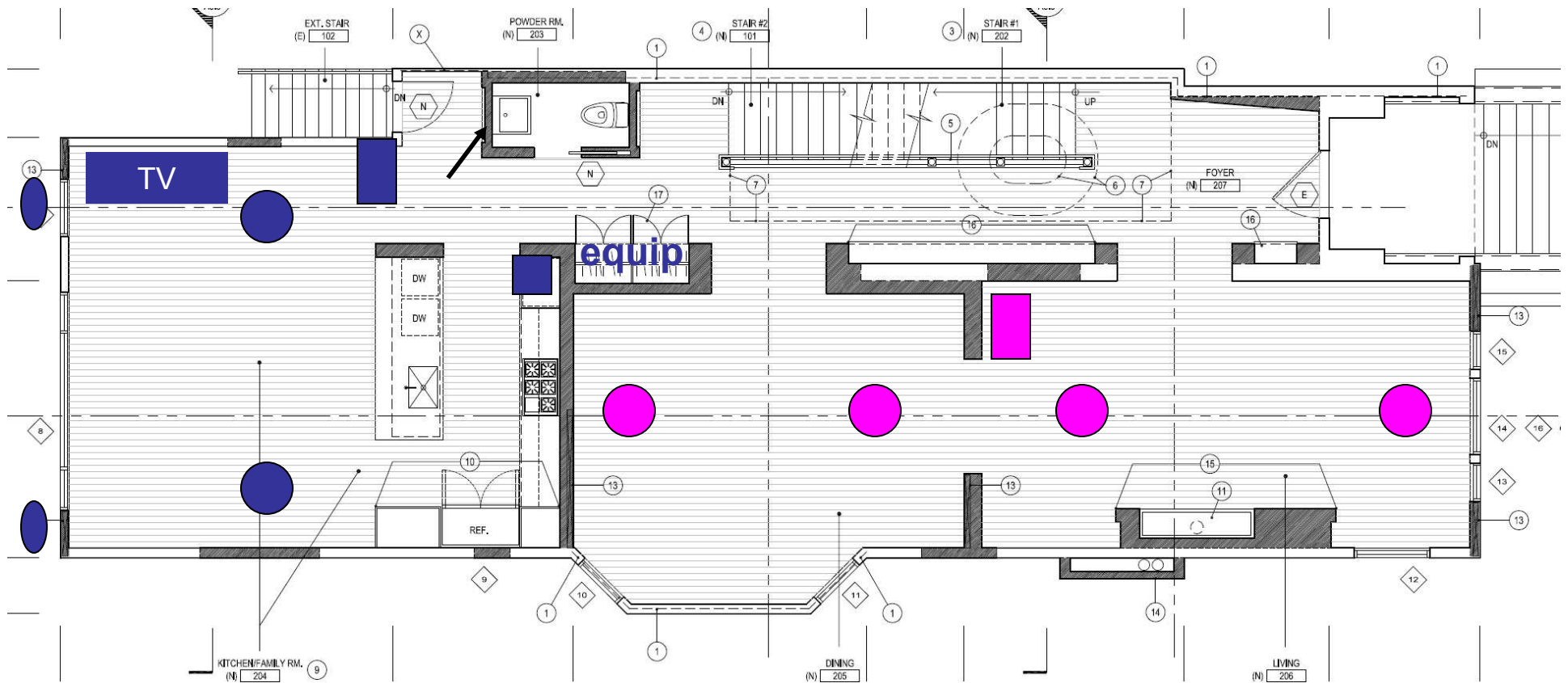


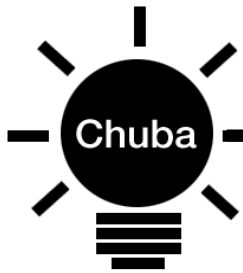


Music Zones – Entry Level





-  In-Wall Main Speaker
-  In-Ceiling Main Speaker
-  In-Wall Powered Sub-Woofer
-  8 button wall switch

Zone 2: Family/Kitchen/Out
Zone 3: Dining/Living Room





Music Zones – Upper Level

-  In-Wall Main Speaker
-  In-Ceiling Main Speaker
-  In-Wall Powered Sub-Woofer
-  8 button wall switch

Zone 4: Master Bed/Bath
 Zone 5: Bedrooms/hall

