

AV System Details

4504 Braeburn

Bellaire, TX 77401



home theater • design • custom installation

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The Theater construction at 4504 Braeburn began at the framing stage of the 2008 guest house addition. Extensive acoustical planning began 6 months prior to any equipment being installed. The inner walls of the theater are lined with Dynamat Dynil acoustic material to help keep the sound in the room. The walls were then double sheetrocked with an acoustic glue to absorb vibrations. A layer of Dynamat Dynapad was applied to the floor prior to padding and carpet to dampen the floor. Over 3000lbs of sand in air tight enclosures is used to couple the front stage from the floor and give the speakers and subwoofer a solid, concrete like surface.

All of the acoustic panels, bird's eye maple trim, drapes and even the seating and pillows were custom built for this room. Nearly 2000 man hours went into the design, construction, installation and calibration of this theater room.



Theater Equipment Highlights

SIM2 C3X1080T2 - Full HD 1080p, 3 Chip DLP Projector.

DNP Supernova - 120" projection screen designed for high ambient light environments.

Integra DTC9.8 - 7 channel surround processor with full Audyssey Pro audio calibration.

Parasound Halo A51 & A21 - Surround system amplifiers, 400 x 2 and 400 x 5.

Pioneer Elite BDPO5FD - 1080p Blu Ray Player.

Furman Elite20 & Elite15 - 20A and 15A surge protector and line conditioner.

Martin Logan Spire - Floor standing electrostatic speakers with custom bird's eye maple cabinets.

Martin Logan Stage - Electrostatic center channel.

Martin Logan Voyage (4) - In wall rear speakers in custom enclosures.

JL Audio F113 - Fathom 13" powered subwoofer.

Omnimount RSF - Rolling floor rack.

Philips Pronto TSU9600 - Color touchscreen remote.

The Theater features a Sim2 C3X1080 full HD 1080p, 3 chip DLP hidden in a vented and cooled projector cabinet which doubles as a hush box for the projector. The Sim2 projector is capable of an incredible amount of light output while maintaining a very theater-like, realistic and natural image. The image is projected on a 120" DNP Supernova screen is designed to reject ambient light, allowing you use the system even with the lights fully on. All system controls, including lighting and HVAC are done via a Philips Pronto touchscreen remote.

The audio system uses an Integra surround preamp with a full Audyssey Pro audio calibration performed. Two separate Parasound Halo amplifiers power all 7 Martin Logan speakers including the Spire main speakers with matching, custom bird's eye maple cabinets. A powerful JL Audio subwoofer is hidden behind the theater front. The theater room is on a dedicated, 20A circuit and uses Furman products for surge protection and conditioning.



Theater Equipment Highlights

HAI Lighting - All Theater and concession lighting is controlled by a scene controller and the Pronto remote.

HAI RC1000B – Thermostat for the theater that can be controlled anywhere in the house or by the Pronto remote.

Concession Area – In wall candy case, tabletop popcorn maker, Sub Zero refrigerator and custom Concessions sign.

Custom Seating – Custom built row of 4, reclining theater seating for the front row and a 6 person, custom couch for the rear in black ultra suede.

System Cost: \$236,000

The Game Room features a large custom wall cabinet with a 60" Pioneer Elite Kuro TV recessed into the wall. The TV is also on a bracket that allows you to pull it out and swivel. Three Martin Logan Passage in wall speakers surround the TV in acoustically treated enclosures. The rear speakers are also Martin Logan in ceiling speakers in Dynamat Dynabox enclosures. A Rotel surround receiver, Pioneer Elite Blu Ray player, B&W Subwoofer and color screen universal remote round out the rest of the system.

The Office has a 32" LG LCD, which was recessed into the cabinet. A pair of B&W bookshelf speakers provide the sound from the whole house audio system via the on wall keypad. A tabletop universal remote controls the TV and cable box from the desk.

The Whole House is protected by a HAI security and automation system with a battery back up and DVR for the cameras. There are cameras surrounding the property that can be viewed on in wall touchpanels, the internet or the Master Bedroom TV. The Nuvo Grand Concerto provides audio to many of the rooms throughout the house for listening to satellite radio, AM/FM or an iPod with 2 way feed back and control on in wall keypads.



Equipment Highlights

Pioneer Elite PRO151HD – 60" Kuro plasma, recessed in wall on pull out bracket.

Martin Logan Passage (3) – In wall front Left, Center and Right speakers.

Martin Logan Helos100 (2) – 8", 2-Way in ceiling rear speakers.

Pioneer Elite BDPO5FD - 1080p Blu Ray Player.

LG 32LG70 – 32" 1080p LCD in Office.

LG 37LG30 – 37" LCD on swivel bracket on back patio.

Mitsubishi 42 – 42" Plasma in Guest Apartment with In Ceiling speakers.

Nuvo Grand Concerto – Distributed Audio System with OLED keypads for Office (B&W bookshelf speakers), 2nd Floor Balcony (In ceiling speakers), Patio (4 Martin Logan in ceiling speakers), Main House Patio (B&W outdoor speakers).

HAI OmniPro II – Security, lighting and automation system. Full security system with lighting controls, HVAC controls and 2 in wall touchpanels for controlling the system or monitoring the outdoor security cameras. Can be controlled with wireless key fobs and iPhone interface.