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Integration of Home Theater Components

Any home theater equipment will require basic components such as a video display or TV (large-screen television with a clear picture), a receiver and a speaker system, including a sub woofer, which is the the soul and sound of the theater. The system will require a player to provide the picture and sound. For Ex: DVD and other players are also added to expand the usefulness of a **home theater**.

LCD and Plasma Screen:

There are many choices to opt for when you look for the video display for your home theater system.

The home theater consumer has choices ranging from the traditional tube-type television to large screen rear projection sets, to the latest hang-on-the-wall Plasma and LCD flat panel monitors.

An LCD TV can be found as both a rear projection and as a flat screen. LCD rear projection TVs are very much compact and use less power than their counterparts CRT. Flat panel LCD video displays are, as the name says, flat. To produce excellent resolution, the choice is plasma flat screen. Majority of TV's nowadays are **HDTV** (High Definition) which operates digitally. HDTV's have a wider screen as it appears in a theater as opposed to the normal small screen TV.

Plasma and LCD flat screen hdtv televisions are fairly different from one another, although they can both display the highest resolution high definition as of present. Plasma screens have higher contrast ratio (how many different shades of a color which can be displayed so that colors can be deeper or lighter).

Receiver and Speakers:

The main thing that sets a home theater apart from an ordinary television setup is the surround sound. For a proper surround-sound system, you need two to three speakers in front of you and two to three speakers to your sides or behind you. Receivers do the task of taking the audio signal and splitting into multiple channels so that different sound information comes out of the various speakers.

In any sound system, ultimate quality depends on the speakers. Normally Five speakers are required for a surround sound system. There are many types of speaker wire like Speaker Wire, Flat Speaker Wire, or Round Speaker Wire and comes in various sizes.

The **surround sound wiring** you plan to do can make a big difference on what type you chose to use. The last thing to consider when you start your surround sound wiring is the location of the speakers. The average 5.1 surround sound setup has 6 speakers. A Center Channel, two front speakers, two rear speakers, and one sub woofer. In a 5.1 surround sound system, the '.1' is the sub woofer. The role of the sub woofer is to produce the lowest tones, for ground shaking bass.

Blu-ray or HD DVD player: If your desire for High definition, then you can go for Blue-ray player. Blue ray is the latest technology.

The other components include

Home theater pre-wire: -By Pre-wiring you can be confident that your home theater will have the no visible wires custom home theater look. When pre-wiring for a Home Theater, it is critical that the ground connections be wired in a very specific way. The net result will be noise and hum free power with a 'deep black background' in which to enjoy your audio and video presentation.

A key factor before you start pre-wiring your home is planning.

Structured wiring is a generic term used to describe many different types of home wiring products that distribute a variety of data signals throughout a home.

Home theaters offer so much entertainment value and really do make a additive advantage to almost every

lifestyle. The home theater is not just a source of watching movie, the components of a home theater can be used for other entertainment purposes. Take for example, the home theater speakers not only provide great music to your movie, but also can handle other musical recordings.

HometheaterIntegrators is a Michigan Based Home Theater Design, sales and Installation company.

For Further information you can visit <http://www.hometheaterintegrators.com>

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