

Challenge TV Cinema Room Tenterden, Kent

Flat Wall Mount Television

With 42" Plasma readily available on the market, we wanted to show a panel that is considerably larger but still displays crisp high resolution image. With that in mind, we fitted a 63" High Definition Fujitsu Plasma with a custom coated Piano Black bezel, wall mounted on an articulated bracket for ultimate mobility and accessibility. Additionally, we wanted to cut down on the potential intrusion that a wall mounted TV can have on a room. To reduce this effect, the TV was recessed into the wall with minimal spacing around the edge.



Projector

Projection technology has been around since moving images started. During its long standing life, it has evolved into a totally different format. It has become more compact, the bulb technology has improved considerably giving brighter and richer colours on screen. But it is still a non preferred method as it involves a projection unit being fixed to the ceiling. We wanted to show one of the many methods to overcome this. A custom projector lift has been recessed into the ceiling so when it is raised, it is hidden from view.



After smoothly emerging from the ceiling into its open right position, the 1080p HD 'Infocus' projector displays high contrast, vibrant colours onto the screen in clear and concise quality.

Projection Screen

In order to get the best quality out of the projector, a 9ft wide 'Screen Excellence' screen was used. Again, this can intrude into the room but using a carefully measured and constructed pelmet, it obscures the screen from view when in its raised position, becoming more a feature of the room's dimensions. Then, with infra-red control, the lift motor drops the screen through a tight gap until it has extended its full length. In addition, the screen is 'Audibly Transparent' which prevents audio degradation from the now covered Flush Wall Mounted Speakers.



Sound System

To create the Ultimate Cinema Sound Experience we have used Speaker Craft Flush wall mountable speakers and Kef Electronic Dipoles which automatically rotate out from a flush position to the correct optimum setting.



All Speaker Grills were custom coated to help conceal them further. To complete the Speakers there are two Kef PSW2005 Subwoofers to reproduce the deep bass portion of the sound.



AV Receiver

To process and control the audio, a top of the range Denon AVR-4806 AV Receiver is used, which is capable of outputting 140 watts (RMS) of pure, clean and digitally enhanced audio. Other features include a dual zoning system, allowing the receiver to control 2 separate rooms and a network integration feature, through either wireless or LAN connection, enabling the receiver to stream your audio files from other computers or NAS drives across the network.



Aside from its audio capabilities, it also provides a complex video switching interface allowing the connection of 4 High Definition sources (HDMI) with 2 selectable outputs.

iPod Docks

There are 2 mounted iPod docks in the room essentially offering the same service but the on-screen user interface differing between the **Marantz** and **Denon**.



Track listings and album information can be bought up on the main television screen so that selecting music is done remotely rather than on the iPod itself.



Escient Fireball Music Server

The **Escient** provides a state of art approach to storing, finding and playing you favourite music. It comprises of a CD player, CD recorder, Internet Radio Streaming capabilities and Digital Audio Server in one premium unit.



This allows you to view and control music on the unit whilst making it available to other computers connected on the network. It offers an intermediary step between an iPod server and Media Centre PC but does its job exceptionally well offering more than would be expected.

Media Centre PC

A Media Centre PC offers the ultimate audio and video capabilities. With a High Resolution output via a HDMI connection, it can display a normal O/S screen or using Windows Vista Media Centre, give control of any music, videos, pictures and streaming services over remote control.



With a tuner card, there is also the option of using the Media Centre much like Sky+ box, enabling you to record all your favourite TV programmes onto the hard drive and pause live television. The information stored is also then made available on the network so it can be viewed from any computer that is connected to the LAN.

Lighting

Lighting is an important element in rooms. The lighting needed to be more than a mere switch on/off system. To make this possible, a Lutron Grafik Eye is used which controls 8 ceiling down lights, 4 Retro wall lights and coloured recessed floor lighting.



The Lutron's configuration is such that the lights can be individually dimmed using a Zone setup and has further control via remote.

Control

All items in the Cinema Room are controlled via infra-red so it was essential that a high quality, programmable remote control was used. The TSU-9600, a creation by Philips fills this need more than adequately.



Its Touch Screen technology simplifies the entire setup allowing the system to work together seamlessly using complex processes to fully automate the system. Its highly customisable interface ensures that each remote control can be customised to an individual need depending on the technology being used no matter what the complexity.