

# ELLIS

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## AUDIOVISUAL TECHNOLOGY

### Company Introduction

Ellis Audio Visual Technology was established, originally, in March of 2010 and was formed by two subcontractors, who both have companies in the United Kingdom, under the name Ellis Welch. The two companies had been working, continuously, on projects in the Algarve, providing specialist design/Installation and programming services for Audio Visual/Automation projects.

With the amount of projects being undertaken, it made better sense to set up a permanent base in the Algarve with a showroom. This way clients could actually see that we were able to do and come along and use the equipment that they were considering buying.

On demonstration we have Lutron controllable lighting & blinds, AMX touchscreen control (including use of iPad for controlling TV's/Lighting/Music/Blinds), Control 4 control systems, Sonos Streaming music players, Kaleidescape Bluray System, and a fully functional Cinema.

We also provide Lighting Design services, Automation/Integration services, lighting supply, Wireless networking, IPTV (for customer who need British channels but don't have the Laser Digital Service), reprogramming services for Lutron and AMX and technical assistance for systems that aren't working (even if we have not supplied them)

If you are thinking of starting a project and need some advice, or have started a project but still have the opportunity to look at Multiroom Audio/TV, Lighting control or controllable blinds or maybe want something a bit more elaborate and perhaps fancy a look at whole house automation.....visit our showroom and we can show you the possibilities.

We can offer you options to suit your requirement, be it for a single room or multiple rooms, or just a TV and a Bose Bluetooth iPod Soundlink – whatever suits the budget you have in mind.

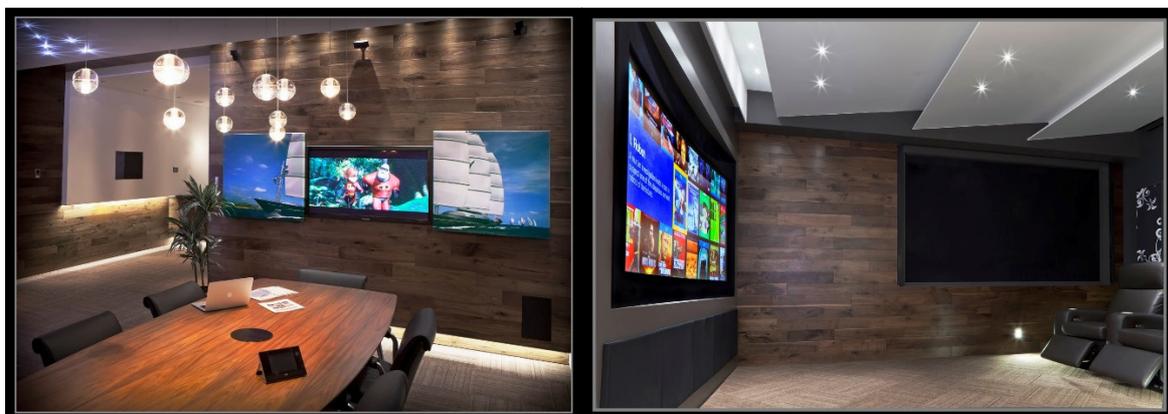
All of our installation/Programming work is done in house, so you are not dealing with subcontractors...you are dealing with us directly.

Our company also provides a 'rescue' service for projects that have been installed by others and either do not work or have not been finished, but the customer need help getting systems up and running. Call us, we can generally help with most products and systems.

Some of our represented brands are:

**Bose, Bowers and Wilkins, Denon, Panasonic, LG, JVC, Sony, Lutron, AMX, Control 4, Future Automation, Sonos, Bocci , Kaleidescape and Wyrestorm.**

The following pages will describe some of the systems we provide in a little more detail, if you wish to read further. Images of our showroom are below:



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## Lutron Lighting Control Systems and Blinds

“The most powerful and most flexible lighting control system in the world.”

*Homeworks QS*, the world’s leading residential lighting control and integration system, provides simple, convenient control of all home lighting, as well as the ability to control motorised shades and curtains, and many other systems in a home. *Homeworks QS* provides many benefits.

- Increased security
- Design and control flexibility
- Added convenience
- Improved aesthetics

### INCREASED SECURITY

*Homework's* seamlessly integrates with home security systems. In the event of an alarm, interior lights turn on, illuminating a safe exit, while exterior lights flash, thereby drawing immediate attention.

*Homework's* provides security by allowing clients to turn all lights on instantly from a single button press. *Homework's* makes a home safer by automatically turning on landscape and security lighting each night. A built-in astronomical time clock intelligently adjusts for changing sunrise and sunset times throughout the year.

### DESIGN AND CONTROL FLEXIBILITY

*Homework's* systems are very flexible. Solutions exist for residences of any size. After the installation, keypads may be easily reconfigured to accommodate new control requirements.

### ADDED CONVENIENCE

Control any light in a home from any *Homework's* keypad. This eliminates the tedious task of walking around the home to set the right lighting for daily activities or special occasions as keypad buttons can be programmed to turn on/off any zones of light.

### SCENE SETTING

Any key on any keypad can be set to bring groups or single circuits of lights on at the required level (providing that the light fittings are dimmable!) be it an 'arrived home scene' that lights the entrance/hallway/stairs or a scene for watching TV or a 'leaving home scene' that turns off all lights inside but delays at the exit so that you are not leaving in the dark.

### OCCUPATION SENSORS

Any room can be equipped with occupation sensors and can be programmed to only turn lights on or off or both – when it detects that there is no one in the room for a period of time. These are usually used in garages/bathrooms or hallways.

Lighting is key to making a property both comfortable and attractive. Lutron lighting systems also add flexibility factor and ease of use for the end user. It also has the advantage of being upgradable and being easy to update to suit the customer throughout ownership.

## BLINDS AND CURTAINS

You can add Lutron Blinds and Curtain tracks to any room and control them using the same keypad as your lights. This helps to prevent 'wall acne', with many switches to do different functions all at different heights and locations on the same wall. Lutron blinds have a library of available fabrics and can be programmed to be automatic as well as being manually controllable.

## KEYPADS

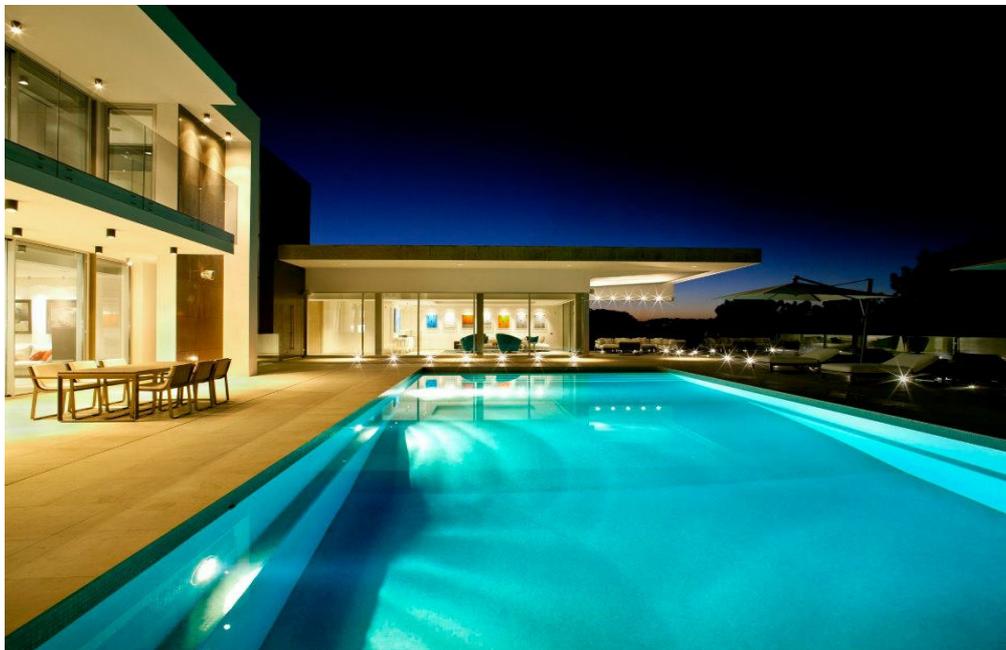
There are numerous different styles of keypads available for a Homeworks QS system. For this project we have specified the International See-Touch keypads as per the picture below. The keypad shown below comes in an array of different button layouts, which can be configured to your preference depending on the number of lighting circuits, blinds or other devices you wish to control in that room.



Lutron International See-Touch Keypad in Satin Nickel

When used in conjunction with AMX control, keypads can be used for other functions such as volume control for rooms, such as bathrooms, as well as having their normal function.

One of our Lutron lighting projects in a Villa in Quinta Do Lago is shown below:





This system also had AMX control for the Audio/Video/lighting and Blinds. Lutron Blinds were installed throughout. Lutron blinds come in multiple finishes, can be blackout or semi transparent and are almost silent.

By selecting the finish of the blind, you can select the various properties associated with rejection of light from outside, amount of light passed through, heat rejection etc...

Blind are made to order and costs are dependent on fabric and size of blind. Once sizes are known, costing can follow in a relatively short time.

Lutron Lighting & Shading systems can be also controlled using a downloadable app for iPad/iPhone.

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## AMX Control/Automation

So you want a system that has TV's, Satellite boxes, Surround sound and DVD players? How many remotes do you have to turn everything on and get it working? Well, one for each item so you will



end up with

and what happens when one of them has no batteries, or when the kids have stolen the batteries for the TV remote in their room?.....it's a real pain. So why have this scenario when it can all be combined into this on an AMX touchscreen or iPad? We offer a few solutions for this problem, they vary in price and specification. We can show you the options available.



So you could use AMX control, programmed to your requirement, to control TV's, amplifiers, lights, music, blinds, Pool pumps, water features, Towel rails, security alarms,.....even kettles!

AMX control is used to 'centralise' all of your equipment and make it so that resources can be shared. So, for example, if you have 3 satellite boxes and one becomes faulty, you can simply select another satellite box from the touch screen. Equipment is no longer tied to a room, it can be used very easily in all rooms, or if required it can be locked to only be used in certain rooms – the choice is yours! AMX control takes the necessity to understand technology away. You press the button for TV and the system turns on the TV, turns on the amplifier and sets the volume to the correct level, switches the satellite box on and directs the correct TV image & sound to the room you are using....all with one button press! Easy! Centralising also reduces the amount of ugly tech equipment that you need to find homes for in your beautifully designed living spaces, as most of the equipment will be out of sight, in a technical area.

The advantage with using AMX control is that the system can grow with your needs, due to its flexibility in programming/reprogramming. You can add new products, remove old ones...the system can just be amended to suit. The limiting factor is the infrastructure in your property. So with proper planning at the initial stage, your cost of ownership can be minimal.

AMX can also be integrated with Lutron to allow the actions of certain buttons on Lutron keypads to do actions other than lighting or blind control. For example, if you had a Lutron Keypad by the front door; double clicking the bottom button could not only turn off all the lights in the house, it could also turn off all the TV's/Sound/Pool pumps etc...It's an extremely useful feature!

We can also integrate Lutron, AMX and Kaleidescape together. When a movie starts, the lights will automatically dim and when it finishes will automatically come back on. Also, if you have an interval mid movie we can program it such that the lights come on in the hallway, outside of the—cinema/living room, giving a light path to, for example, the kitchen to allow access for food and drinks before carrying on the movie.

All AMX control touch screens can be programmed so that they can control any room in the house, not just fixed to a single room. That way if any touch screen is damaged or not charged, any other panel can be used to control that room...the room is not unusable just because one touch screen is not functioning.

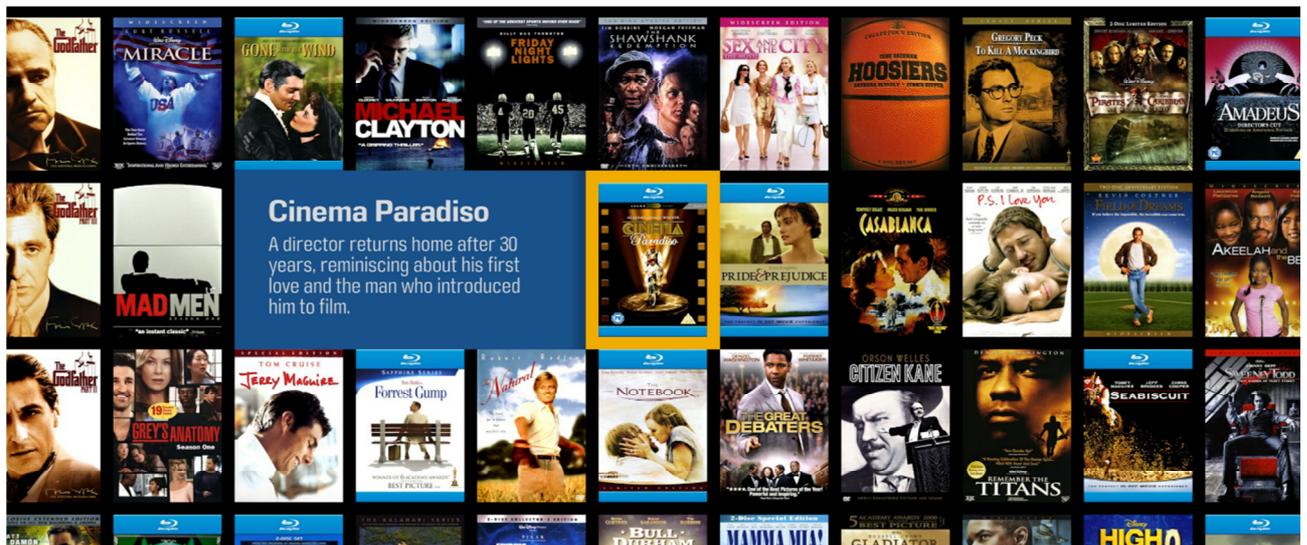
Should you require minor amendments, we can update these without even visiting your property across the internet.

## Kaleidescape

Kaleidescape is a state of the art DVD storage system. It is the only system on the market that is licensed and that is monitored by the manufacturer for any kind of fault. Should a fault arise, we as the dealer are notified by email – usually before the customer even knows anything about it. It is a solid, reliable system with unparalleled support and user experience. We only sell Kaleidescape, we do not sell other systems that try to mimic its capability as it only dilutes the user experience that we try to provide.

Very shortly, the user will be able to buy movies from the Kaleidescape store and download them directly to the server. This is currently available in the USA and coming shortly to Europe.

When selected the customer see the following screen.



Or they can select to view all movies as a list....

Sex and the City	Comedy	Sarah Jessica Parker	Michael Patrick King	2008	2:25	R
The Shawshank Redemption	Drama	Tim Robbins	Frank Darabont	1994	2:22	R
Shine a Light	Documentary	Rolling Stones	Martin Scorsese	2008	2:01	PG-13
Shrek	Animated	Mike Myers	Andrew Adamson	2001	1:33	PG
Shrek 2	Animated	Mike Myers	Andrew Adamson	2004	1:32	PG
 <b>Title</b> Snow White and the Seven Dwarfs	<b>Genre</b> Animated Musical Fantasy Family	<b>Cast</b> Lucille La Verne Otis Harlan Billy Gilbert Moroni Olsen	<b>Director</b> William Cottrell Wilfred Jackson Larry Morey Perce Pearce	<b>Year</b> 1937	<b>Time</b> 1:24	<b>Rating</b> G
The Sound of Music	Musical	Julie Andrews	Robert Wise	1965	2:54	G
Spirited Away	Anime	Rumi Hiragi	Hayao Miyazaki	2002	2:05	PG
Star Trek	Sci-Fi	Chris Pine	J.J. Abrams	2009	2:06	PG-13
Star Wars Episode IV: A New Ho...	Sci-Fi	Mark Hamill	George Lucas	1977	2:03	PG
Star Wars Episode V: The Empir...	Sci-Fi	Mark Hamill	Irvin Kershner	1980	2:09	PG
Star Wars Episode VI: Return of ...	Sci-Fi	Mark Hamill	Richard Marquand	1983	2:16	PG
The Sting	Crime	Paul Newman	George Roy Hill	1973	2:15	PG
Thomas & Friends: A Big Day for	Television	George Carlin	David Mitten	1985	0:39	TV-Y

If the user chooses they can then group movies by director, search for movies by title or part title...

It is an extremely flexible and user friendly system. Once the user decides what to watch they simply hit Play! To add to this the Kaleidescape system can be interfaced to the Lutron system via AMX control to provide a true cinema experience so that when the movie starts the lights automatically dim and when the credits start to roll, the lights raise.

All movies are stored on an array of hard drives as shown below:



The server, containing the hard drives, is stored out of sight in the technical area and the user is unaware of the technology behind it, they just see the end result.

Each 'player' can play an individual movie. So if you need multiple movies to be playing in the house at once, then you would need that number of players.

One of the system 'plusses', is that it can be setup to always return to a 'safe' certification. This means that children in the household cannot access films above a certain certification without a PIN number. The movies will not even appear in the Covers view or List View until the pin has been entered. Also, the system is constantly monitored for 'health' by Kaleidescape. If there are any hardware faults, we are notified immediately. We can then organise repair or replacement.