MAJIK HOUSE

our quick guide to
Networking and System Integration

Making everything work together, simply and easily

It's understandable that for most people, smart home technology means cinema and music systems, dynamic lighting and the touches of technology which enhance where we live.

For us, smart home technology also extends to providing a reliable and secure network. Plus ensuring that where we live is secure, our loved ones are always safe and our valuable possessions are protected.

Smart technology and integration of systems means making sure all the elements work together in harmony; they complement each other and deliver entertainment and enjoyment, convenience and security in equal measures.

Today we are all faced with many products which each and every manufacturer refer to as 'smart'.

When these first hit the market place they are singularly different but now there are many kettles, fridges, music players, TV's and even light bulbs that adopt this title so now that everything is 'smart' it becomes the norm or normal – the only thing that makes it different or special is when it is put together with other devices in a seamless way to deliver a complete experience.

This means that a very simple instruction or button press does exactly what you the home owner wants, demands and expects each and every time with no fuss and no friction! This is where the system design and integration is key.

Here are just a few thoughts about creating a harmonious smart home that's also as safe as houses.

Imagine a simple scenario...

Arrive home and enter the code on your iPhone or mobile device to disarm the alarm.

Before you've even taken your coat off, your Smart home system has recognised you and turned on your favourite TV channel or radio station, adjusted the thermostat to the ideal temperature, and created the perfect ambience with the lighting.

Gone is the notion that a safe home is simply one that secures the house from would be intruders.

Today's smart home empowers you to control and monitor your property in a myriad of ways thanks to the happy marriage of smart locks, CCTV and lighting systems.

Your enjoyment and satisfaction: Key components hard-wired into every project.

The underlying purpose of smart home technology should always be to make a property more enjoyable to live in and live with.

We don't expect you to know the technical aspects of an installation, but we do know you expect us to deliver a system which is reliable, intuitive, easy to use and meets and exceeds your expectations.

After all, we have been doing this since 1998 and still we are learning!

Being remote doesn't mean losing control.

We embrace the use of mobile technology and appreciate it's uses beyond communication and entertainment, we see the advantages in utilising it to manage your home remotely.

After all, why shouldn't making sure everything is safe and secure be as easy as turning on a TV?

Always at home with "mockupancy".

Security professionals say the two biggest deterrents to burglary are light and sound. A smart system can set lights, every lock can check itself, TV and music to go on and off automatically at different times of the day or on demand, just as if you were home.

Be sure that everyone sleeps securely.

A monitored security system offers protection and is a wise addition to any home, but combine it with a Smart home system for an even greater solution. Who hasn't had to get out of bed to make sure you locked the whole house before retiring for the night? We can solve that with a press of a button and every door lock can be secured without having to leave the comfort of your duvet.

No chances taken. No corners cut.

Many of the same principles applied to AV or lighting systems also stand true for designing and installing home security. From the outset, considered planning, good design and ease of operation underpin everything we do.

Knock, Knock. Who's there?

A touch screen with intercom makes it easy to check on the whole family and broadcast messages throughout the house in a flash. When cameras are connected, you can identify who is at the front door from virtually every screen in the house, before you get up to open it.

Our people: the most important component

We continually invest in the development and skills of the Majik House team, with industry specific training, product education and ongoing review of best practice. That's why numerous manufacturers consider us as best in class in our field and use us as their "test bed" for new equipment, software and system integration.

We follow the CEDIA code of practice, however this is underpinned with our Majik work ethic to provide you with a service second to none.

Planning your Network.

What has network reliability got to do with smart home technology? The simple answer is "everything!"

As the internet is increasingly becoming the preferred choice for many people to access media – streaming music, downloading movies etc. – it stands to reason that having a fast and dependable service from your broadband provider will result in a better experience all round.

Having a reliable network working as the backbone for all your smart home devices creates an easy stream of communication between systems which results in a more efficient home.

Here we give you a list of considerations before signing up for your broadband and associated network equipment.

For basic internet browsing (looking at newspaper websites, searching for your next holiday, a spot of online shopping etc.) then a speed of 2mbps download and 0.5mbps upload is just fine.

But if you're looking for reliable streaming of music, sending and receiving pictures, or even some standard definition video like YouTube then 5mbps download/0.5mbps upload what is required.

HD Video, BBC iPlayer / ITV Player etc. to be really enjoyable without "buffering" so, ideally, 20mbps/2mbps is what we'd consider to be ideal. Essentially, the faster the better!

Given these points above, what can be done with a reliable and reasonably fast broadband service?

At the same time, we can be:

- Streaming music in up to 15 "zones" simultaneously, all with different songs from an internet music streaming supplier

- Browsing and using the web on up to 6 PCs

- Downloading a feature-length HD movie

So, you can see that the incoming broadband is a significant part of the way we use our home entertainment systems and how well they perform.

Along with networking from the outside world, we must also consider the internal network within the home.

Once the right broadband has been chosen, supplied and installed by the provider we must ensure that there are as few variables within the home as possible as we cannot change those of the incoming service!

To this end, we design and specify all of the internal network equipment, routers, switches, wireless adaptors, filters and all other associated equipment to provide a seamless and as reliable internal system as possible.

If you're thinking of investing in smart home technology and want to get the very best from your equipment, then we can talk you through what service levels you need to expect from your broadband.

What happens when we have completed your project?

We continue our journey with you and offer you a bespoke Support Plan to manage your systems.

We want you to off load the concerns you have of keeping your home technology systems running smoothly; we want them to be as good as the day they were installed.

We all know that technology requires maintenance and service. To this end we offer a service to suit all clients - you will have a tailored service agreement.

What can be included?

Fast track home call outs; remote problem solution; regular maintenance visits; software updates; system updates, telephone support and upgrades.

You will be provided with a named engineer who will know your systems and how you like them to work.

We want you to have peace of mind and be free to enjoy the true value of your investment.

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Some brands we use.

Majik House are truly independent which means we are free to specify the equipment which is best suited to each individual project, regardless of manufacturer.

We work closely with some of the leading manufacturers, ensuring whatever we install will give you years of pleasure from your investment, with reliability at the top of every agenda alongside simplicity.

Control4
Better. Together.

LUTRON

ELAN

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