

# Essential **INSTALL** MAGAZINE

The essential magazine for the custom install industry

November 2011 Issue

**JVC**

Supplied by

**INVISIONuk**

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**MARATA VISION**



## JVC'S 4K FUTURE

*EI* profiles a new projector line-up which boasts 4K projection, 2D to 3D conversion and significantly enhanced picture performance



### ALSO IN THIS ISSUE:

Mayfair based case study from Living – The Technology People, up-dates from CYP, Habitech, Crestron, Wyrestorm, Connectivity UK and all the latest news and products

**LIGHTING FEATURE:**  
A BRIGHT FUTURE FOR LIGHTING AUTOMATION AND DESIGN



**ESSENTIAL INSTALL LIVE! REVIEW:**  
THE NEXT BEST THING TO BEING THERE



**INSTALL TVS:**  
TUNE INTO THE LATEST TVS



# MAYFAIR MAGIC

■ The install team made sure the apartments are wired for future upgrades and addition AV equipment



## Living – The Home Technology People, delivered a touch of class in this Mayfair project with a big slice of help from Amina Technologies.

Designing a development of five multi-million pound apartments in Mayfair, London, with a state of the art control system supervising everything from climate control, lighting, audio/video distribution and security, that was also easy to use and future proof, was a tough challenge. Minimalist design and decor were foremost in the client's mind, providing occupants with a dream home that looked stunning, was full of hidden technology and did everything they could dream of from the touch of a simple icon driven screen. Customers investing in such prestigious apartments seek individuality and another challenge for the install team was that each apartment had a different structure and room layout. The technology selected was common to all, but needed the flexibility to adapt to the differing requirements.

The company chosen for this prestigious development was Living – The Home Technology People, because of the company's proven track record in delivering, simple to use, minimalist audio visual, lighting and automation solutions. Living's owner and director, Wes Crutcher, worked closely with the developers to turn the dream into a reality and to ensure the

eventual home owners had a reliable and flexible system to fit their individual lifestyles.

The first challenge was to select the back bone of the entire system. After much thought and consultation with the client, Clipsal C-Bus was chosen for its flexibility and aesthetic appeal. It was then over to the design engineers to build a brand new system incorporating security, cooling, heating and lighting. Not willing to settle for conventional wisdom, Living set about the task of reducing the overall number of inputs, switches and sensors needed to run the home, a less is more approach. In-room sensors, just 1cm in diameter, removed the need for unsightly in-room thermostats and air conditioning control LCDs, which certainly kept the interior designer on-side. Tyco Electric under floor heating removed the need for unattractive radiators or grills whilst maintaining an even room temperature that could be varied across the apartment. Single informative in-room control points were installed making control simple from the moment the home owners walk in the door.



### A sound decision

The audio and video was an altogether different prospect. The completed system needed to be able to provide excellent audio and video quality, but at the same time not encroach on the aesthetics in each room. All the equipment was centralised into custom made audio video racks, keeping everything cool whilst maximising performance. The install team chose a range of Elan products to deliver the amplification and standard definition video matrix switching.

The need to not encroach on the aesthetics meant that hidden speakers were always going to be a distinct possibility. Wes says: "Amina Invisible Loudspeakers were the perfect fit for this project. The customer did not want conventional loudspeakers intruding into the space at all, so an invisible sound source which filled the room with high clarity sound was just right."

Each apartment has five Amina Loudspeakers installed providing a hidden 5.1 surround sound system for the main living area. This allows the rooms to combine the desire for an aesthetically pleasing room to relax or entertain in as well as providing a full surround sound home theatre experience for family and friends.

The stylishly decorated master bedrooms, accessed via a bespoke staircase in the penthouse suite, feature a stereo pair of Amina speakers. These are complemented by an Amina dual channel speaker in the en-suites ensuring seamless enjoyment of music throughout the bedroom areas.

One owner commented: "The AV system delivers everything you could expect to want or need with the speakers being discretely hidden, yet capable of meeting the varied musical tastes of my family. The system is intuitive to use giving easy access to all connected equipment making listening to music, watching TV or accessing the Internet a real pleasure."

Designed specifically for this type of project, Amina Loudspeakers can be installed directly into walls or ceilings, the speakers are then plastered over with a standard 2mm skim coat and then covered with everyday finishing materials such as paint or wallpaper. Working on the principle of a vibrational soundboard, analogous to a musical instrument much like a violin or acoustic guitar, the speakers propagate sound through tiny vibrations which are invisible to the human eye. The manufacturer says the speakers provide high clarity room filling sound with zero visual impact.

■ Simplicity, performance and integration had to be of the highest standard to match the design ethic of these high class apartments.



■ The technology package throughout the apartments has been very well received by residents



For less conventional dwellings, Amina speakers can also be used behind wood, wood veneer, high pressure laminates or even a thin layer of acrylic stone, making sure installers can deliver a solution for even the most elaborately designed interiors.

Keeping one eye on the future, the install team also provided each apartment with a flexible infrastructure of cables. The idea being to be able to offer end users a simple upgrade path as technology advances permit, as well as offering unrivalled flexibility with extra locations for screens, speakers and data points throughout.

All security systems including, CCTV, video door access and intruder alerts, were seamlessly woven into the fabric of the automation and controls package, making operation simple, reliable and remotely accessible.

The effort in creating an integrated minimalist high technology home was rewarded by truly satisfied customers commenting how delighted they are with the result, an easy to use and flexible system that is visually unobtrusive, yet powerful.

More information: Living – The Home Technology People, [www.living-2.co.uk](http://www.living-2.co.uk), +44 (0)208 1446 221, Amina





■ The master bedrooms have a stereo pair of Amina speakers

Technologies, +44(0)1480 354390 <http://amina.co.uk>

## ESSENTIAL KIT

### Rack

24 way patch panel for data distribution  
RTI XP8 processor for I.R and RS232 command routing. Apple iPad and iPhone ready  
Elen 8.6 Standard Definition Audio/Visual controller – 8 input 6 output configuration  
Yamaha RXV-3065 Cinema Processor  
Yamaha BDS -1065  
Amina APU speaker protection units  
Samsung DVR for CCTV  
C-Bus Black & White Touch Screen  
Procon RS232 Air Conditioning interface

### Living Room

5 x Amina AW 5X  
1 x Kef HTB2 Subwoofer  
RTI T2C+ Colour Touch Screen Controller  
RTI Aerial  
Samsung 47in LED Screen  
C-Bus DLT switch input  
C-Bus Black & White Touch Screen  
Living's minimalist in room temperature sensor for climate control  
In floor sensor for floor finish temperature

### protection

#### Master Bedroom

2 x Amina AW 5X  
RTI T2C+ Colour Touch Screen Controller  
RTI Aerial  
Samsung 32in LED Screen  
C-Bus DLT Switch Inputs  
Living's minimalist in room temperature sensor for climate control  
In floor sensor for floor finish temperature protection

#### Master En-Suite

1 x Amina AW 2X Dual Channel Speaker  
17in Aqua Vision Screen  
RTI U1 Water Resistant Remote  
RTI Aerial  
C-Bus DLT Switch Input



■ Each living room area is equipped with a 5.1 surround sound system using Amina speakers

Create the perfect system – every time.

**OPUS**<sup>™</sup>  
Entertainment | Controlled



Every client is different and every property is unique, that's why Opus has developed a flexible and scalable multi-room entertainment system for the latest audio / video technologies.

Furthermore, Opus can be integrated with other third party applications such as lighting, HVAC, windows / blinds and CCTV for a complete smart home solution.



# invisible loudspeakers

*amina*<sup>®</sup>  
TECHNOLOGIES LTD

Allow your customer to keep those clean, clutter free design lines.

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Amina's truly invisible loudspeaker design brings a totally new dimension to whole house entertainment systems. Simply mount into a wall or ceiling and skim over with standard finishing plaster.

The result – unparalleled sound quality, evenly distributed throughout your home, totally invisible to you and your guests.

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