

PROMAG

ENTERTAINMENT, PRESENTATION

& LIGHTING TECHNOLOGY

THIRD QUARTER 2013
VOLUME 21 NUMBER 3



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ADB Lighting – www.adblighting.com

Compulite – www.compulite.com

Crestron South Africa – www.crestron.co.za

CM Lodestar – www.cmrigging.com

Electron – www.electron.gr

Elite Screens – www.elitescreens.com

Green Hippo – www.green-hippo.com

InfoComm (ICIA) – www.infocomm.org

Kramer – www.kramerelectronics.com

Litec – www.litectruss.com

Martin Professional – www.martin.com

Milos Structural Systems – www.milosgroup.com

NEC Displays – www.nec-displays.co.za

PLASA – www.plasa.org

SACIA – www.sacia.org.za

Screen International – www.screenint.com

Sierra Video – www.sierravideo.com

SIM2 – www.sim2.com

GO BIG AND FLAUNT IT!

In May Electrosonic SA organised a glitzy Cocktail Party for the opening of Crestron House in Blackheath, Johannesburg. With the event date slap in the middle of winter, and the function taking place under a Bedouin tent, warming up the venue was the main consideration.

Ambient music, delicious food and lots of thirst-quenchers usually do the trick. With Jacques Lagesse crooning the night away with that velvet-lined voice; backed up by a gorgeous saxophonist in red-hot boots, and a funky double bassist, the mushroom heaters were almost superfluous.

Adding to the vibe were the wickedly delectable canapé plates, which weaved their way through clusters of networking invitees. After the ribbon-cutting moment, guests were treated to a grand tour of Crestron House's impressive AV demo room, training facilities, modern offices and boardroom. Crestron House also boasts a massive storage area which ensures faster service on order processing and movement of stock. The evening was sweetly rounded off when guests were treated to Crestron's logo-branded Nougat and Fudge treats. It was truly a night to remember and deserves its status as cover article in this edition.

This was not the only exciting development at Electrosonic SA – something else worth celebrating is the new distribution partnerships with Green Hippo (UK Pioneers in real-time video manipulation), and Milos Structural Systems, specialists in aluminium structural systems. Read more about these new affiliations in this issue.

And if you're a lover of fine coffee, you'll love Electrosonic SA's newly renovated AV Systems demonstration room. Besides offering a cool new look and feel, it's also rumoured to offer some of the best cappuccinos in town. Do pop in for a sensory experience to savour.

PROMAG supplies feedback reports on popular trade shows that took place in the past quarter. Electrosonic SA attended InfoComm 2013; and participated as an exhibitor in Mediatech Africa, where our beautiful stand landed us a Silver award. On the Entertainment Lighting front, a national Roadshow showed off Martin Professional's RUSH Series of fixtures. And, once again, the Lighting team did their bit for the arts by offering technical support and training at this year's National Arts Festival, in Grahamstown.

As always in this magazine we love to bring you successful installation stories. View our feature article on how Stage Effects' treasured Mac Vipers helped top international act, Chevelle rock Carnival City. Inta-Media also have an interesting story to share. They showed the value of their expertise by helping the Northfield Methodist Church with a 'future-proof' digital media solution. If you find that interesting, then you'll be curious to read more about Nik Fairclough (Northwind), who used unparalleled equipment to design a full stage lighting system for Kearsney College, in KZN.

The past quarter saw a lot of flashy shows, extravagant events, and striking installations. When opportunity knocks on your door, and you have the expertise and the means, why not FLAUNT IT?

— **Managing Editor: Terry**

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DIARY – UPCOMING EVENTS AND SHOWS

CEDIA — 25-28 September 2013*Colorado Convention Center - Denver, CO - www.expo.cedia.net*

In today's constantly evolving residential electronic systems industry, every overlapping technology within the home will be connected to the network. CEDIA EXPO 2013 gives you executable tools and the right type of focused resources to adapt and evolve your business.

**PLASA London** — 6-9 October 2013*Excel London, One Western Gateway Victoria Dock Rd, London, E16 1XL - www.plasashow.com*

PLASA London has become the world's premier platform for pro audio, lighting and stage technologies. From small theatres and independent music venues, to festivals, stadia, and commercial installations, PLASA London is the perfect place to check out state-of-the-art entertainment technology.

**Integrated Systems Europe** — 4-6 February 2014*Amsterdam RAI, Netherlands - www.iseurope.org*

Integrated Systems Europe, or ISE as industry specialists call it, is the world's best-attended tradeshow for professional AV and electronic systems integration.

**Prolight + Sound 2014** — 12-15 March 2014*Frankfurt am Main, Germany - www.prolight-sound.com*

Prolight + Sound brings together all the technologies and services for the events and entertainment industries, presents them in several different product groups.

**Light+Building 2014** — 30 March - 4 April 2014*Frankfurt, Germany - www.light-building.messefrankfurt.com*

The World's Biggest Trade Fair for Lighting and Building Services welcomes manufacturers to launch trends and innovations from the fields of lighting, electrical engineering and building automation.

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RUSH ROADSHOW GENERATES HUGE BUZZ

Peter Dahlin of Martin and Bruce Schwartz of Electrosonic SA recently undertook a whirlwind tour of South Africa to show off the Rush by Martin Professional Range of fixtures. Launched at ProLight + Sound in Frankfurt in March 2013 the Rush Range of fixtures is designed to fulfill the need at the entry level of the Entertainment Lighting Market.

Peter and Bruce were amazed by the reception. "Never before has a range of products generated so much buzz in South Africa," said Peter.

In a display of logistic planning that a rock band would envy Peter and Bruce visited numerous clients, old and new in three cities over five days. The Johannesburg, Durban and Cape Town clients were treated to one-on-one visits at the clients' premises. This method has proved very successful with many more people getting to see the products than they would on an open day. "This way it's more personal. Clients feel comfortable in their own shops so they ask more questions and spend more time playing with the fixtures. Often they pull out older lights to compare," said Bruce.

The most popular fixtures were the Rush Strobe 1 5x5 and the Rush MH3 Beam with each product appealing to different applications. The strobe is a totally new fixture, with very few alternatives out there. The MH3 satisfies the need for powerful, dynamic beams which are the rage at the moment in many shows. Another advantage is that it suits the slightly smaller pocket.



Selby's Rush Roadshow

The full range will be available for the South African summer. For more information or a demonstration of the new Rush Range of fixtures call the Electrosonic SA's Lighting Team.

GREEN HIPPO SELECTS ELECTROSONIC AS SA DISTRIBUTOR

Green Hippo, the UK Pioneers in real-time video manipulation, are pleased to announce the appointment of Electrosonic SA as their new distributor in South Africa.

Green Hippo boasts over 12 years of experience in software and hardware platforms development. It has developed class-leading pixelmapping and videomapping solutions; including integrating them into entertainment shows and installations. Events worldwide rely on Hippotizer's power, flexibility and ease of integration. Green Hippo is focused on ensuring that these shows run day in and day out, on tour, on Broadway or Television.

Electrosonic SA, a leading supplier of stage, theatre and entertainment lighting for over 21 years, shares Green Hippo's passion and ideals. It sees this partnership as an exciting extension to the range of world class brands that it represents, such as Martin Professional, CM Loadstar, ADB, Compulite, Litec and Milos Structural Systems.

Entertainment Lighting Manager Bruce Schwartz said: "We are honored to represent Green Hippo, and see the integration between video and lighting becoming even more seamless with this partnership. We look forward to offering the backup, service and knowledge that Electrosonic SA is renowned for, on the entire range of Green Hippo products and growing the world-wide rental network."

When Green Hippo's Tom Etra and Electrosonic SA's Renier Smit showcased Green Hippo's innovative range of products at Mediatech Africa it was received with great interest.

MILOS APPOINTS ELECTROSONIC AS SA DISTRIBUTOR

Milos Structural Systems has appointed Electrosonic SA as its new distributor in South Africa. Since 1994 Milos Structural Systems has specialized in aluminum structural systems. Milos offers a wide range of applications: from small truss display booths, to giant outdoor stages involving lighting and PA trusses for large events. Milos's production facilities span over 90,000 square feet and manufacturing processes include the latest semi-automated welding processes and CNC technology. With distribution networks in over 30 countries Milos is well placed to deliver solutions where you need them and when you need them.

Electrosonic SA has been a leading supplier of stage, theatre and entertainment lighting for over 21 years. When Milos Structural Systems took Litec into its stable, Electrosonic SA saw the opportunity to offer the entire Milos range as a perfect complement to its existing product range of world class brands such as Martin Professional, CM Loadstar, ADB, and Compulite.

Bruce Schwartz, Electrosonic SA's Entertainment Lighting Manager said, "Our customers rely on us to provide them with top class solutions, but at competitive pricing. With Milos in our stable we are able to deliver on this mandate. We are honoured to represent Milos Structural Systems, and see their large range of products as a natural extension of our business. We look forward to growing the Milos brand in South Africa."

Valdimir Hasman from Milos will visit South Africa during the European autumn to provide training and meet existing and future customers.



news

Green Hippo's fascinating 3D Mapping demonstration

WOW! WHAT A SHOW! MEDIATECH AFRICA 2013

by Abrie du Plooy (NEC & GALAXY Product Manager)

One thing that cannot be taken away from the audiovisual industry is our flashy side. When we show off, we really show off. And at Mediatech 2013 we remained true to our reputation.

It was as if all the exhibitors secretly decided to go extra 'Wow' this year. A friend of mine paid a visit to see 'what it is you really do'. As she stared in awe at the smoke-filled Coca Cola Dome, ablaze with light beams, laser lights and LED displays, she gasped: "Wow, this is not the type of expo I am used to". That's exactly how it was - it was WOW! The general sense of this year's expo was a markedly bigger presence by the staging & events industry, as well as by the display industry. It was not overpowered by broadcasting folk who seemed to monopolize the attention in previous years. It felt more balanced and all round, every participant played an important role in the overall extravaganza.

The team at Electrosonic SA didn't stand back either and put on its boxing gloves for this bout. The Entertainment Lighting and AV Systems divisions teamed up and the planning started as early as February. Everything was done properly with 3D stand designs and many custom ideas for the big 3 show days in July. The joint effort won Electrosonic SA a Silver Mediatech Stand Award.

Across our stand we accentuated a collection of technologies pertaining to various sectors of the audio-visual industry. Our Lighting division, headed by Bruce Schwartz, filled its section of the stand - as well as every single empty spot other than their own - with the latest lighting innovations, and showed why they are so respected in the industry.

"At Mediatech 2013 we decided to showcase Electrosonic SA as a whole: not as separate lighting and systems divisions. Our stand combined all these aspects as there is a cross-pollination of our products with our clients. So from that point alone we regard Mediatech 2013 as a particularly successful event. We decided to set up a separate area to showcase Martin Professional's Viper range of fixtures in a dedicated space designed to bring out the best in the fixtures' optics. We were also privileged to have both Tom Etra from Green Hippo (UK) and Andre Bragard-De Naeyer from ADB (Belgium) on the stand. A captivating 3D Mapping demonstration was set up in the Green Hippo breakaway room. This was definitely a stand-out feature of Mediatech 2013. The quality of Mediatech 2013 was world class and completely on par with European shows like PLASA and Prolight + Sound in Frankfurt. I am sure visitors to the Expo left with lots of valuable information", said Bruce.

Opposite the Lighting desks, our AV Systems division made its mark with Kramer Electronics and Sierra Video products filling an entire 6 metre demonstration area. Jason Johnstone, the Kramer Product Manager had this to say about the show: "Mediatech is always a great way to network with dealers and showcase some of the latest Kramer products. I think one of the biggest benefits is making cross-border contact into Southern Africa. This year we were able to showcase Kramer Electronics' wireless HDMI products which have been in demand lately. We also had our popular SID family on show; a product which won and award for Kramer at InfoComm. In addition to that, Kramer Electronics increased their HDBaseT range of products, as many screen / projector manufacturers are now adding HDBaseT as a standard on their equipment. Sierra Video, a sister



Renier Smit (left) and Tom Etra (right) with Christopher Bolton (Keystone Productions)

company of Kramer Electronics also had space on our shelves; their products included Multiviewers and routers which are aimed at the broadcast market".

On the display side of things, we demonstrated both our Galaxy Video Wall processors and numerous NEC displays. The baby Galaxy - the X4 - created a very attractive image, spread over a 'smarty box' of displays. The X4 allows users to scale, move and rotate separate quadrants of an image across four individual displays to create a sexy video wall. We utilized 2 x NEC X461S, a 29" dual desktop monitor and a 23" NEC display, in concert to form a very eye-catching display feature, aimed at retail environments. The Galaxy Pro lived up to its name and delivered leading functionality with input and signal management as well as scaling to present a multi-window configuration across four narrow bezel NEC X463UN 46" video wall displays, which in turn had many mouths



Andre Bragard-De Naeyer from ADB (Belgium) with Bruce Genricks (Electrosonic SA)



Electrosonic SA's buzzing stand

news



Abrie du Plooy and Eugene Coetzee (Electrosonic SA)



Joel Davies showcasing his Elite Screens



Crestron's Integrated by Design™ stand

watering with the crisp Full HD images and high contrast delivered by a full array backlit LED light source. Both products offer 24/7 warranties and built-in redundancy to create an ideal solution for mission critical control rooms and public display requirements. An added Crestron touch panel and processor created a graphic dashboard for the user to orchestrate the required demands.

As far as projectors are concerned, we demonstrated NEC's Full HD PA500U with 5000 ANSI lumens, the PX750U, with its beastlike 7500 ANSI lumens and a smaller UM280Wi ultra-short throw projector with the eBeam add-on to turn any surface into an interactive display, which sparked much interest from representatives from schools and universities.

As we all know, no projector can fully deliver a quality image without a projection screen at the other end, and Elite Screens, one of the quality products in our arsenal, does just that. Elite Screens accommodate various screen requirements, with a pricing structure to cater for all. The Elite Product Manager, Joel Davies and Linda Swart (Sales & Support) handled the division's area on the stand. "The Elite Screens portion of the Electrosonic SA stand was well attended from far and wide by all sectors of the Mediatech visitor spectrum: Broadcasters, Entertainment & Events companies, and Educational facilities. With our new clients on board, Elite Screens will soon be conquering

the wider African markets through visibility and availability. Of the items on display were the line of staging screens, which enjoyed the most attention as well as the various material options across the range of fixed frame and motorised screens," said Linda.

The rest of the expo floor was covered with demos from many old friends, as well as the odd foe, as competitive industries must have. Mediatech 2013 had much to offer the thousands of industry focused visitors, many of who had travelled across the globe to participate. One of the highlights was 'The Museum', where one could view audiovisual equipment from many moons ago, without which we would not have been where we are today.

Mediatech 2013 was an overall success and the Electrosonic SA team is very happy with its efforts, and the orders which started rolling in very soon afterwards. Eugene Coetzee, one of the captains of our ship, gave his opinion, "Electrosonic SA's booth at Mediatech 2013 was more than double the size of our booth in 2011. This gave us the opportunity to show off more products and solutions than before. One of the very important design goals of our booth was that it should be easy for visitors to flow through our booth, and we achieved this. Our booth was divided into 3 parts, with an aisle in the middle so we had visitor access from three aisles! I think this really worked well.



Dean Govender and Jason Johnstone from Electrosonic SA with Raul Novick, Kramer's Regional Sales Director for Africa

Our booth was well attended by both existing and prospective clients. It was also a great opportunity to see so many of our clients and integrators in the space of three days. Something that stood out for me in particular when looking at the show as a whole was that exhibitors put in a great effort with the design of their booths. It was on international standard!"

Electrosonic SA would like to use this opportunity to thank each and every one of our stakeholders who contributed and visited our stand. We thank you for your input that resulted in our success, as well as to congratulate the organisers for an event that was well put together. We cannot wait for 2015.

Crestron in South Africa, a subsidiary of Electrosonic SA, also attended Mediatech and Derek Marsden shared his experience: "After a long hiatus, Crestron's participation at Mediatech was a huge success. Amongst the show's highlights was the showcasing of the latest 3 Series processing engine along with the new Core 3 UI™ touch panel technology. Also, Crestron's DigitalMedia™, video routing and reticulation solution, was a highlight that amazed visitors with its broad range of applications; from simple boardrooms to command centres and even creative video wall applications. Room scheduling also piqued the interest of the punter, with Crestron's lighting control and energy monitoring products getting the nod from facility managers and consultants. All in all we are very pleased with the positive response and look forward to participating in future Mediatech events."

CRESTRON TRAINS THE TRAINER By Rupert Denoon (Crestron Regional Manager)

In June Mike Backler EMEA Training and CSP Manager from Crestron International, visited Crestron House to present the new and improved certification training course – a case of training the trainer.



Mike Backler's glimpse of Africa

In June Mike Backler, EMEA Trainer and CSP Manager from Crestron International, visited Crestron House to present the new and improved certification training course – a case of training the trainer. Adam Hooper (Crestron Programmer), Wayne Nuen (Technical Support) and I attended the four-day training session that covered the P101, P201 and the P301.

The P101 Foundations of Crestron programming is the first certification track course; this covers the basics of Project Management from a programmer's perspective, including the Input-Process-Output concepts of programming, Crestron Toolbox software, and an Introduction to SIMPL Programming. We also covered VPro in depth, with an emphasis on the Smart Graphics, before moving on to complete system programming in SIMPL Windows.

P201 Core System Programming can only be done if one has completed an Essentials course, or the P101. We covered Smart Graphics, advanced string

building and NV Ram usage. Students worked with TCP/IP devices as if they were real third party equipment. We used some of the advanced symbol sets to extract strings and manipulated them to display human readable information. We also had an introduction to Roomview / Fusion.

The goal of the 3-day P301 Advanced Programming Skills class was to teach advanced programming skills beyond the day-to-day programming skills. It completed the knowledge base needed to pass the certification practicum. We covered SIMPL+ modules - how to create them and when to use them; and we also covered advanced programming and string handling using SIMPL+, including direct socket access.

After a long week, Mike and I enjoyed an afternoon at the lion park before he jetted back to the UK.

The good news for Crestron clients is that now that we trainers are trained, we can offer all these courses locally at Crestron House. Your road to certification has never been easier.

ELECTROSONIC SA REVAMPS CONCEPT DEMO ROOM



Eugene Coetzee - AV Systems Manager- is proud to announce that Electrosonic SA has revamped its Systems Division's demo facilities. "We invite you to visit us so that we can show off some of our latest products and concepts in the demo room". These products include the Kramer wall where a variety of solutions are demonstrated: wall plate control systems, scalars, switchers, digital signage, flip top and wall plate connectivity options, and video extenders. According to Eugene these are just a fraction of the multitude of Kramer products on offer.

"We are the second biggest distributor of Elite Screens in the world, so come and view our range

of screens. We have everything from fixed frame to a range of motorized screens options to suit your application.

Also on display is the NEC video wall & Galaxy video wall processor. Electrosonic SA offers turnkey product solutions that incorporate the vast range of products on offer.

"By the way, our service includes design and free expert advice, and while you are visiting our new concept demo room, allow us to demonstrate our coffee machine's capabilities. We'll make you a cup of coffee that's as great as our products on display!"

NORTHFIELD METHODIST CHURCH GOES DIGITAL

In August 2012 Tom Crosswell of Inta-Media Turnkey Solution Providers received a call from Northfield Methodist Church, in Benoni. They were looking at replacing their old projector and wanted Inta-Media to provide a demonstration of a suitable replacement. Tom Crosswell was happy to oblige and arranged a demo unit from NEC South Africa.

The church was suitably impressed with the PA-500U. It was a vast improvement over what they had in the building at the time. However, they also wanted to add a second screen and projector. This was when the conversation turned to an in-depth discussion of analogue vs digital.

The discussion helped them reach the conclusion that digital was the way to go. So Tom set out to design a "future-proof" digital solution involving Crestron Digital Media, NEC projectors and Kramer Electronics.

Projects in houses of worship often fall prey to too many "expert" opinions. Because of their financial situations many churches often also feel that they have to compromise on quality or sacrifice one item for another. This in turn leads to equipment being purchased from a viewpoint of getting away with the cheapest product to fill an immediate need. Getting the right solution for your venue can become a "minefield" of choices with the right answer hidden somewhere in it. No-one really knows ... yet everyone thinks his choice is the right one!

Northfield Methodist has been in existence for 87 years and has a rich heritage. For Reverend Brian Smith, it was of utmost importance to get a cost-effective solution which would not need to be redone or replaced for a good number of years, and which would lend itself to easy expansion in the future.

One of Inta-Media's strengths is the fact that Tom can utilize many years in the industry to come



up with an open-ended design which will save the church finances and headaches in the future, hence the term "future-proof". This is a passion for Tom, especially when it comes to churches. Tom has vast experience in the field of audio, lighting, video and IMAG, but also understands that none of the good solutions comes "cheap". In this industry, you literally get what you pay for! This is the solution Tom proposed:

The new Crestron DM system consisted of a MD-6x4 switcher and two DM-RMC-100-C HDBaseT receivers/controllers, one for each of the new NEC PA-500U projectors that were installed. A Crestron HD-EXT-2C HDMI Extender was installed from the stage to the FOH position for use with laptops and other devices from the stage. All DM interconnections are done using Belden Cat-5 FTP cable.

Other devices added to the system include a Kramer SDI to HDMI scaler to bring their Sony Video Camera into the system and a HDMI audio de-embedder to provide the audio feed to the house mixing console. The system runs flawlessly

at 1080P, except for the camera, which runs at 1080i and the DVD Player that operates at normal PAL video resolution. Scaling is done using the projector's own built-in scalars.

List of equipment installed:

- 1 x Crestron DM-MD 6x4 Router
- 2 x Crestron DMC-RMC-100-C 8G+ Receiver/Controller
- 1 x Crestron HD-EXT-2C HDMI Extender
- 1 x Kramer FC-331 HD-SDI to HDMI Converter
- 1 x Kramer FC-46xl HDMI Audio De-Embedder
- 2 x NEC NP-PA500U Projectors with NP-13ZL Zoom Lenses
- 2 x Custom Fixed-frame 16:9 Projection screens

"We found working with the Crestron product an absolute pleasure," said Tom "We had great assistance from Crestron in South Africa in terms of system design and product selection. The system ran first time with no glitches, and with everything syncing up nicely."

Inta-Media – Seeing, Hearing and Knowing the Difference

Inta-Media is a company geared to providing comprehensive turnkey solutions in the fields of Professional Audio, Sound Reinforcement, AV Presentation and Stage Lighting. Tom Crosswell, the owner of the Modderfontein-based company, is partnered by Mariann Crosswell and between them have 45 years of experience in the Pro AV Industry. Tom is the Solution Architect and Mariann is the Projects Manager: in other words he comes up with an idea and she makes it happen.

Tom's philosophy is that everything starts with design responsibility. He implements best practices, draws on past experience and partners with the best in the industry to stay abreast of latest developments.

He says "At Inta-Media we believe in providing system designs that provide both a cost-effective and quality solution to the end user".

Tom regards providing turnkey solutions as Inta-Media's speciality and has done installations for Houses of Worship, Corporate Entities, Broadcast Facilities, Theatres, Sports Stadiums, the Hospitality Industry and Educational Institutions.

They also offer the following IMS related services: Infra-structure design on new building projects, system assessment, upgrading existing systems, acoustic system performance modelling, strategic planning, on and off-site project management, and end-user training.

Tom is a great believer in *future-proofing*: "This means providing my clients with a cost-effective system that will endure for a long time, but is also upgradeable should the need arise".

Inta-Media's motto is "We go the extra mile ... you see, hear and know the difference".

For more info on Inta-Media and the installations they have done check out their website: www.intamedia.co.za



Mariann and Tom Crosswell

INFOCOMM 2013: JUNE 12TH –JUNE 14TH

By Rupert Denoon (Crestron Regional Manager)



The Crestron presence at InfoComm13

InfoComm 2013 took place at the Orange County convention Centre, in sunny Orlando, Florida, USA – the Home of Disney. It was a record year with 35,126 attendees; an increase of 2.5 percent from the 2012 event.

InfoComm is so much more than an exhibition area for new technology trends: it's a platform for professionals to meet up, discuss industry experiences and stories, debate solutions, and learn from one another. I am always amazed by how friendly and professional the exhibitors at these shows are.

The main exhibition took place from 12 to 14 June; however my visit started a day earlier at the Crestron Sales Conference. This was held at the Orange County Convention Centre and the opening was hosted by Crestron Founder and President, George Feldstein. The opening was short and captivating, one cannot help but be inspired by the passion Mr. Feldstein has for this industry and his company. This was followed by an equally inspiring speech by Randy Klein, Executive Vice President at Crestron Electronics.

After a short coffee break we sat down to an insightful product overview and a sneak peak of products that will be showcased at the Crestron stand, this was presented by Dave Silberstein, Director of Channel Development.

The following products were showcased:

- Crestron's new GLB Dali ballasts
- Saros Premium ceiling speakers
- Saros Pendant speakers
- Aspire Dual 8" Subwoofer
- HD-XSP Surround processor
- Connect it media point
- 3 series Family of processors
- DINAP3
- DINAP3MEX
- New inFiNET EX products
- TSW730 Roomview panel
- DMCO-7x Streaming output card
- AMP 100 Wireless presentation device
- Crestron RL " Microsoft lync"

This was followed by a booth tour. The tour is given to all Crestron employees and distributors. At each point we were given specific new product information to relay to our dealers.

Over the next three days, my colleague Bruce Genricks and I made our way through the exhibition hall of over 50,000 square feet of exhibits, and more than 925 companies exhibiting. Needless to say, it's almost impossible to go through every booth, but we sure did try.

It was great to meet up with John Ungerer, a former employee of Electrosonic SA who is currently based in Brisbane where he is heading up Kramer Australia. He gave me a private tour of the Kramer stand before the show started and I was amazed by the size and look of the stand. We spent an enjoyable evening together in downtown Orlando chatting about the industry and about the good old days.

Crestron's legendary InfoComm parties lived up to expectation, with the amazing Penn & Teller magic show hosted by Jay Johnson. Crestron ticked all the boxes: great food, drink, people and the best entertainment!

In conclusion: InfoComm 2013 was a huge success, with record numbers of attendees and many fantastic exhibits. Crestron products were recognized with eight industry awards by the leading trade publications, dealer channels, integrators and consultants. We look forward to seeing you at InfoComm 2014 in Vegas!

NEW MARTIN M6 SETS THE BENCHMARK

by Jesse Dullabh (Technical and Controller Support – Electrosonic SA)

On the 23rd of May I travelled to R&D International in Belgium for an advance training course on the New Martin M6 console.

The course was hosted by Paul Pelletier and Matthias Hinrichs who are the Product Developer and Brand Manager respectively of the M-series of the Martin Range of consoles. I joined the international team of distributors and immediately got down to networking. It was interesting getting to know our different regions of access and how previous versions of the M-series have been used across our respective regions. The three-day course covered the following aspects: hardware, software, programming technics, business models and network connections. The course was very fruitful as it introduced the improvements made to the new V3 Software, which increase workflow and allow lighting designers to program and operate in a much faster and smooth manner.

The first two days were spent opening up the M6 and getting an understanding of the impressive developments that have gone into the new console.

My third day was spent examining different connection pathways and the introduction of Artnet. I also investigated a product call Luminex which specialises in network hubs and systems. We looked at the plug and play system, as well as how easy it is to connect to the M6.

Martin's slogan: M6 – *The ability to grow with your console as your company grow*, is a selling point that sets the M6 apart from competitors in terms of prices range. The modular design of the console allows for customization, and decreases shipping costs dramatically. However, Martin has not sacrificed hardware quality as it feels that the ability to trust the lighting console in volatile live event situations is of key importance to event producers and production teams. This is the result of more than 12 years of research and development that have been invested in this range.

We also had a look at the new MPC Software that has become such an integral part of the M-series family. This new software has been developed as an independent part of control and is no longer merely an introduction to

a controlling platform. The integration of the touch and sweep technology makes the MPC software an extremely powerful lighting control application. The M-series is a ground-breaking development, and I look forward to further developments and innovation, as Martin products continue to set the benchmark in the lighting industry.

Some of the following hardware developments include:

- 15.6' optical bonded industrial screens, customized for the Martin range of M6 consoles
- Shatter proof Gorilla glass
- Industrial motherboard, Intel Core i7 Quad-Core processor
- SSD hard drive
- Dedicated graphics processor
- 44 playback buttons
- Modular design for customizing your console
- Design properties re accessories and attachments [Manfrotto range]
- Up to 64 DMX universes directly from the console network port
- 2 x Adjustable BriteTouch™ widescreens (sunlight readable, multi-touch)
- 2 x External DisplayPort touchscreens up to 1920x1080 per output
- FastTouch™ 3.5" touchscreens
- 1 x LiveBlender™ split T-Bar with 8 x FastBlend™ RGB buttons
- 4 x FastTrack™ linear encoders
- 12 x FastDial™ rotary encoders
- 1 x Dedicated dimmer wheel
- 10 x Motorized playbacks with LCD displays and 4 customizable buttons
- 10 x PlayPairs™ buttons with LCD displays
- 12 x Sub Playback faders and 12 x Sub Playback buttons
- 2 x Main Go sections
- 12 x F-Keys and 5 x FastKeys
- Low profile housing with adaptable module layout
- Show-ready boot-up in under a minute

Features of the new software:

- Windows 7 embedded
- OS installation by USB storage device
- Show backup on hard disk or USB storage device (not included)
- Support for ELO USB touchscreens
- 32000 channels from a single multi-thread processor

The Martin representatives, Paul Pelletier (far left), Matthias Hinrichs (seated third from left) and Peter Dahlin (far right)



MGG's FOLLOWSPOTS SHINE AT THE SAMA AWARDS

MGG Productions supplies technical services and equipment in the sound, lighting and video fields for events and productions.



Mark Gaylard (left) satisfied with the arrival of his followspots



MGG specialises in integrated and comprehensive technical solutions. They deliver efficient, low cost and high quality combinations of various technology sectors, such as lighting, sound, and video and multimedia technology. Although they provide comprehensive technical solutions, meeting the needs of individual jobs is also a significant part of their daily business.

Owner Mark Gaylard and Renier Smit (Technical Sales and Support from Electrosonic SA's Lighting team) had been discussing the usefulness of followspots for some time, and this year Mark decided to employ them at the presentation of the South African Music Awards (SAMAS) held annually at Sun City.

MGG purchased the following Units:

- 2 x Robert Juliat Aramis 2.5k followspots plus Stands
- 2 x Robert Juliat Super Korrigan followspots plus Stands

Since designing the first HMI followspot, Pixie, in 1975, Robert Juliat has become the preferred manufacturer for lighting designers and operators alike. To produce a powerful followspot is not a difficult task, but to make a followspot with exceptional quality of beam, dimming ability, gobo projection, AND an outstanding light output, all wrapped in an ergonomically pleasing package, is the real challenge. Fortunately it is a challenge to which Robert Juliat has risen, and has emerged as market leader in the followspot industry.

Opera houses love them for their superb dimming capabilities, while rental houses benefit from a fast return on their investment. Equipment-sensitive studio environments appreciate the beam's flat-field with no hotspot.

Robert Juliat followspots are available in short or long throw versions and with different wattages

and lamp types to suit every application. Condenser optics give a flat, even beam with optimum light output, and variable zoom optics maintain sharp focus at every beam angle.

Each Robert Juliat followspot comes with a full range of accessories and a wealth of ergonomic features for comfortable and efficient operation.

"When the followspots arrived they were shipped straight to the SAMAS in the original Packaging and have been working ever since," commented Mark.

"I am very pleased to have been able to assist MGG and Mark, at Electrosonic SA we always try our best for all our clients," said Renier. "Because large format followspot sales are rare, it's very exciting when they do occur. Having Robert Juliat spots in MGG inventory has always been a goal of ours."

KEARSNEY COLLEGE GETS THE MARTIN MAGIC TOUCH

Kearsney College, situated on the edge of the Valley of a Thousand Hills in KwaZulu-Natal has an award-winning choir. Since 2000 the choir, which was founded in 1994, has picked up twelve gold medals at the World Choir Games. The College is renowned for its arts and culture programs, as well as for numerous sporting accolades. When an opportunity arose to upgrade the school hall's stage lighting system, this prestigious reputation and history was kept in mind and only world-class equipment was sourced to enhance the performance venue.

Nik Fairclough from Northwind received the brief to supply a world class lighting system that could

control events ranging from a weekly assembly, all the way up to a major school production. Virtually the entire old system was replaced. Electrosonic KZN, in conjunction with Bruce Schwartz from the JHB branch opted to integrate as many of the advances in LED based technology as possible. Apart from their energy-saving benefits, the LED fixtures are small and unobtrusive. The client did not want large fixtures cluttering the decor. Brand new cable-ways and new Electrosonic Pre-wired bars were installed. An Electron dimmer and a complete DMX network were also installed. The award-winning Martin Professional MAC Aura LED Wash was used as the

workhorse fixture, along with MAC 350 Entour LED Profiles. Versa-Light LED Parcans in both RGB and Amber White Versions were also used. Atmosphere was created with a JEM Compact Hazer Pro. All this was controlled by the versatile and popular Martin M1 control desk. Northwind was appointed as the consultant by Kearsney, and project managed the complete installation. Evan Lyle from KZN Electrosonic branch handled the training and was also on hand for their first show, a school play festival which was a resounding success, much to the delight of a very happy Kearsney College.

GRAHAMSTOWN NATIONAL ARTS FESTIVAL by Robbi Nassi (Technical Sales & Support)

Come the end of June, it is time for the National Arts Festival. This year Renier Smit and I went to Grahamstown as part of the Electrosonic SA sponsorship, as we do every year during Festival Time. This year we decided to focus on Lighting Controllers, and by us supplying lighting controllers for specific venues eased the shortage that was experienced in the past.

We had five Martin M-Series consoles that had been set up by Jesse Dullabh during the first week of the Festival. These included the M6, Maxxyz Compact, M1, M2go and M2PC. Prior to this we had trained the technicians who would be operating these consoles, at our Electrosonic SA Training Facilities. We wanted to ensure they would be comfortable with these high-end consoles in their specific Venues. We are also delighted that the new addition to the M-Series the Martin M6 Controller had arrived just in time to set up in the main auditorium in the 1820 Settlers Monument. This gave us the

perfect opportunity to debut the M6 in RSA. It took control of the Main Venue at the National Arts Festival where we were able to do demos for various clients when the venue was quiet (which was rare). Naturally this would not have been possible without the assistance of the highly competent technicians and freelancers involved, such as Tumisang Sebogo and Tumisang Mafora to name a few.

Renier and I were also on technical support for the equipment supplied, including some Martin Moving Heads, VersaLight Led Products, Dimming and - best of all the - M-Series Controllers.

Every day started afresh for us, as the Festival is a dynamic environment and with so much going on at so many venues, it is impossible to make any fixed plans. We saw clients if and when we could. We had fruitful meetings with people from PACOFS, Artscape, Market Theatre, Wits theatre, and Rhodes Theatre among others.

Apart from sponsoring lighting equipment Electrosonic SA also sponsored the branded sweaters that were supplied to technical staff of the NAF – as well as other bits of swag that was handed out. It was a pleasure to work with the National Arts Festival technical staff and assist them with providing the light that they needed to add the extra edge to an already thriving and successful festival.

The festival, is well-organized and technically well-executed, all because of Nicci Spalding "The Android Technician" and Head of NAF Technical). This gave us time to visit and socialize with clients and, most important of all, building relationships and making lifelong friendships with the staff of the NAF. Apart from Nicci, these also include Ryan Burton, Alex Farmer, Ronnie van Jaarsveld (LineOut PE), David Opperman (Magnetic Storm PE), Jayne Claire Burden, Jaques de Kock and Carol Reston (Rocco). We appreciate your friendship and we look forward to working with you at future Festivals.



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CRESTRON IN THE HOUSE *by Angus Douglas*

The world may be in recession, but that doesn't mean all businesses are suffering. If your product helps cut costs then a recession could actually be good for business.

Crestron Electronics, a world leader in control and automation systems, has enjoyed double digit growth in South Africa over the past decade; and this year growth peaked at around 30%. Crestron offers recession busting products that cut down on travel time, boost efficiency, and save money.

Such has been the rise of Crestron in South Africa that they have seen fit to move into their own premises (separate from the Electrosonic SA premises). Wednesday, 15 May, saw the official opening of Crestron House in Blackheath, Johannesburg. Robin van Meeuwen, Vice President of Crestron International; and Steven Dullaert, Director of Distributor Sales at Crestron International, flew from Europe to celebrate with the South African Crestron team. PROMAG interviewed Robin and Steve about the opening, and about Crestron's future.

PROMAG: So Steven, you're based in Belgium right?

SD: Yes, I'm based at the Crestron head office in Brussels. As Director for Distribution Sales I'm responsible for distribution in the EMEA (Europe, the Middle East and Africa) regions; this includes Scandinavia, Switzerland and South Africa.

PROMAG: Are you enjoying sunny South Africa?

SD: The weather conditions here are great compared to Europe. For us this is summer time. This is my third time in the country and I always love coming here, it's very diverse; Cape Town, Durban, Johannesburg – they're like different worlds.

PROMAG: Robin, are you also enjoying your stay?

RvM: Yes, I was last here six years ago – and one forgets how far away South Africa is from the rest of the world. Ten hours on a plane is a long time, but at least the time zone is the same as Belgium, and that's an advantage. But I love being here, and we have a fantastic team taking care of things here.

PROMAG: How long have you been in your current position as Vice President of Crestron International?

RvM: Since 2007; which is when I was last here.

PROMAG: So it was important for you to attend this opening?

RvM: Absolutely, it was important that both Steve and I come over to show our encouragement and support. The whole philosophy of the company going forward is to focus on each region around the world. It can be tough servicing markets that are far away, and that's why it's important to work closely with local partners.

PROMAG: Crestron House will help with that?

RvM: Yes; the Crestron product portfolio has grown so big and there are now about three-and-a-half thousand products in eight different vertical markets. Crestron South Africa needs a focussed building and a focussed effort into the market so that dealers and end users enjoy the best possible service. Crestron House will have a profoundly positive impact on our business.

We now have a really good foundation; a dedicated team of people, in a dedicated building, giving the right support, energy, and focus on the product range. We foresee an increase in stock and better repair return times. It's good for customers. SD: Crestron is all about support. Training is very important and it's vital that the regions are kept up to date with what is happening at Crestron. We must be able to inform dealers as to what the product can do and how to sell it to end users. They must also understand where we are headed; and Crestron's whole philosophy behind the products. This way they can really serve the end users.

PROMAG: You've been working with the team here?

RvM: We spent time analysing team structure and starting to plan the next twelve months and what we're going to focus on to grow the business. We have a very good strategy in place and I'm very impressed with the amount of stock carried here. So we're going to increase that, we're going to increase training, we're going to give Crestron in Johannesburg more tools so that they can be successful.

PROMAG: Robin you've been with Crestron for some time?

RvM: I've been with the company since 1997, and when I joined we were only 35 people. Now we are more than three-and-a-half thousand around the world. I was over in the factory only a few weeks ago and every time I go there I see huge changes: new people, a new part for this or for that - it's unbelievable the pace of the company.

Below: Crestron House's Warehouse, Training room and Demonstration Room



PROMAG: Yes, it's an industry that moves very fast - where are things headed at the moment?

RvM: The big growth is in digital media. It's a high ticket value product range, which distributes video or audio signal over fibre or CAT. Crestron's offering (DigitalMedia™) is unique and in the last twelve months we've focussed on our digital media product range; and on getting distributors and dealers trained up so that we really push into the market here.

PROMAG: What are the results of that push?

RvM: In the last year South Africa has grown from zero to 50% in digital media. If it wasn't for digital media we would not have experienced such high growth in this country; so it has been a very important part of our business here.

PROMAG: I see the Crestron website notes that DigitalMedia™ is, "The only proven, complete, engineered analogue to digital solution."

RvM: Yes, we're grateful we have this product range and we're expanding it; Crestron will be launching another thirty products related to digital media at InfoComm 2013.

PROMAG: What makes Crestron so well placed to embrace technological change?

RvM: Crestron is a leading manufacturer of control and automation systems and we have the biggest Research and Development (R&D) department in the industry. Everything is engineered and produced in the US (New Jersey) and in Mexico; and shipped out from there.

PROMAG: And what's the next wave?

RvM: There is new technology coming out, and we're tying up with Microsoft Lync. With Microsoft Lync you can share any Microsoft document with anyone in the world like they're sitting opposite you. That's where things are headed: being able to share the information on your desktop with anyone in the world. The solution includes instant messaging, presence and VoIP and is set to supersede video conferencing. The exciting part is that Crestron is the only company in the world that has an agreement with Microsoft in terms of control systems and signal distribution manufacturing.

PROMAG: So IT is where it's at?

RvM: Yes, we're pushing more and more towards IT - especially in the commercial sector.

PROMAG: Steve, your final words?

SD: We are ready now to go to the next level. Education and knowledge are key for getting us there, and so we will be working hard on keeping our sales force and technical people fully up to date on what is happening in the business, and how best to service the end user.

RvM: When I see the commitment, passion and drive for the business and for what we stand for, it makes me even more proud to have a team tucked away in this corner of the world; who I can tell from my heart - "You are a very important part of Crestron."



Dries Nel (AVPRO Audio Visual Systems) and Electrosonic SA's Dawid Smit and Lourie Coetzee



Nicholas Scott (Digital Fabric) & Ruben Faber (Dimension Data)



Elite Technologies team, Jonathan Blackburn, Francois de Kock, Bartho Erasmus



The HFX team (From Left to right) Peter von Graszouw, Jacques Kruger, Reinhardt Smit, Ryno Breedt



Stefan Mayer (The Installation Company), Molly Butcher (Mtshali-Moss Projects Africa), Warren Tree (Audio Visual Centre)



Steven Dullaert (Crestron International), Rupert Denoon (Crestron JHB), Robin van Meeuwen (Crestron International), and from Electrosonic SA: Bruce Genricks and Eugene Coetzee



The Omega Digital team: Gerald Lefleur, Amy Thomas, Leane Thorpe



Abrie du Plooy (Electrosonic SA), Stefan Mayer (The Installation Company) and Kevan Jones (SACIA)



Jenny and Nicole Genricks



Jacques Lagesse and his band entertaining the guests

CHEVELLE ROCKS AT CARNIVAL CITY THANKS TO STAGE EFFECTS AND MAC VIPER

by Robbi Nassi (Technical Sales & Support)

Early in 2012 I received a request from Theo Papenfus of Stage Effects to find out what Martin Professional is working on, and what is going to be their next best seller after the ever popular Mac2000. I told Theo that Martin is planning to release a product shortly to replace the Mac2000 range. Having had a great track record with using Martin fixtures he agreed to wait "And it was worth it," said Theo, "The response to the Mac Viper Range has been huge worldwide. So I placed an order for 8 units".

It proved to be an inspired decision, and due to the great reception of the first 8 Mac Viper units in the country, Stage Effects decided to expand its offering by acquiring another 4 Mac Vipers. Theo loves the power combined with superb optics, zoom and colour mixing. "It's the best we have seen on a moving head profile yet. I know I made the right decision when I purchased the Mac Viper".

Stage Effects' recent purchase of the Mac Viper Profile and the Mac401 RGB DUAL/MAC101's RGB has raised the bar on the quality of production they can deliver even further. Catering for the international touring market and the technical riders of international performances; it is the lighting equipment they would ideally use and request.

The MAC Viper Profile is a new breed of high-output profile luminaire with an exceptional feature set, superior light quality and a highly efficient optical system. It outperforms all market-leading profiles in the 1200-watt range and is even an alternative to 1500-watt fixtures. The Viper Profile is not only brighter; it is also a faster and more compact solution. With its 1000-watt HID source, the Viper consumes less power, making it over 50% more efficient than its 1200-watt rivals.

Stage Effects recently landed a few international productions which included the hard rock sensation "Chevelle" at Carnival City earlier this year. Chevelle is a multi-million selling rock band that formed in 1995 in Grayslake, Illinois, USA. By integrating all 12 Mac Vipers into Chevelle's lighting design Stage Effects took the production over the edge; dominating the lighting on stage with some highly impressive programming done by Theo. Chevelle rocked the stage at Carnival City and was the perfect opportunity to showcase the Mac Vipers in action.

Congratulations to Stage Effects on their investment in Martin Professional. We look forward to continuing our close working-relationship with Stage Effects in the future.



LOVING THE GREAT OUTDOORS

Stage Effects is a lighting, structure and audio visual company based in Woodlands in the East of Pretoria that was established in 2001 by Theo Papenfus. He did a 3 year course in Performing Arts Technology and worked in the industry for three years before starting his own venture. Theo set out to study sound, but ended up as a lighting technician. "I started out lighting local bands, and still do. It grew from there," said Theo.

"My first purchase of automated lights was from Electrosonic SA, the MX-10's" he added. Stage Effects also does broadcast, corporate, live acts and outdoor festivals and has carved out a niche as outdoor events company.

In June this year Theo had the opportunity to work with US rock band Chevelle at Carnival City (see feature article alongside). He has also worked on large concerts with Deftones, Bullet for my Valentine, Babylon Circus, Billy Talent and Sum 41.

Theo believes in building good relations, doing a job well and word of mouth. "All my work comes from referrals. Happy clients not only come back, they also recommend you to others".

For more info contact Theo Papenfus of Stage Effects on theo@stageeffects.co.za or call on 0827775843



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CRESTRON RL PRESENTATION SOLUTIONS

Crestron RL is a comprehensive group collaboration solution that combines Crestron hardware with Microsoft® Lync® software.

The Crestron RL solution is based on Microsoft Lync 2013, a popular and powerful server-based application that many companies already use on a daily basis. This full-featured unified communication system enables video, voice, interactive content sharing, presence, and chat from one touch screen interface.

PRODUCTS

CCS-MIC-USB-100: Table Microphone

- Add-on microphone for larger tables
- Easy connectivity over USB



CCS-UC-100-2 KIT: Dual Display System

- Perfect for medium to large conference rooms
- Includes everything you need to get up and running
- including (2) 65" touch displays, 10" touch screen, camera,
- sound bar, mounting hardware, cables & accessories
- Optional mobile cart available



CCS-UC-100-1 KIT: Single Display System

- Perfect for executive offices, small to medium conference rooms, and huddle rooms
- Includes everything you need to get up and running, including 65" touch display, 10" touch screen, camera, sound bar, mounting hardware, cables & accessories
- Optional mobile cart available



CCS-TS-6500-MCK: Mobile Cart

- Easily set up Crestron RL for portability
- Use same system across multiple conference rooms
- Heavy-duty hardware



AM-100: AirMedia™ PRESENTATION GATEWAY

Present wirelessly using laptops and mobile devices.

With AirMedia™ anyone can walk into a room and wirelessly present PowerPoint®, Excel®, Word and PDF documents, as well as photos, on the room display from their personal iOS® or Android™ mobile device. MacBook® and PC laptops can be connected seamlessly as well, making presentations from almost any device fast and easy. There are no wires to hook up, no complicated settings to configure, and no AV or control system is required. Simply connect via the local Wi-Fi® network and start sharing content from your portable device.

- Enables wireless presentation of HD content using laptops, tablets, and smartphones
- Low cost, easy to use, and easy to deploy across any number of rooms
- Compatible with Windows®, OS X®, Apple® iOS®, and Android™
- Displays up to four presentation sources at once in Quad View
- Integrates with DigitalMedia™, CaptureLiveHD™, Crestron RL™ and other systems
- Customizable welcome screen provides clear instructions for presenters
- Integrates seamlessly with Crestron Connected™ displays
- Compatible with virtually any display device
- Supports Full HD 1080p and UXGA display resolutions
- Provides HDMI®, VGA, and analogue audio outputs
- Choice of connection methods accommodates all types of users and organizations



- Supports up to 32 simultaneous presenter connections
- Remote View allows viewing and saving of presentation images through a Web browser
- Compact form factor fits easily behind flat panels and above projectors
- Leverages existing wired and wireless network infrastructure

DMPS-300-C-AEC: DigitalMedia™ PRESENTATION SYSTEM 300 WITH ACOUSTIC ECHO CANCELLATION

The DMPS-300-C-AEC from Crestron® is a complete, high-definition presentation control and signal routing solution for boardrooms and videoconference rooms. Integrating the control system, multimedia matrix switcher, mic mixer with AEC, audio DSP, and amplifier all into one 3-space rack mount package, the DMPS-300-C-AEC affords extensive signal routing flexibility and high-performance signal processing without the need for separate components. Auto-configuring inputs enable plug-and-play compatibility with a wide range of digital and analogue sources. Built-in DigitalMedia™ and HDBaseT™ connectivity affords a streamlined wiring solution for interfacing with remote AV sources, computers, and display devices.

The DMPS-300-C-AEC is an enhanced version of the DMPS-300-C featuring full-bandwidth acoustic echo cancellation on each of its six mic inputs. It integrates directly with up to two audio or video codecs for a total teleconferencing system solution.

KEY FEATURES

- High-Definition multimedia system switcher, mic mixer, audio DSP, amplifier, and control system
- Integrated DigitalMedia™ switcher and features DM 8G+™ technology
- Supports HDBaseT™ Alliance specifications
- Matrix signal routing for up to 7 simultaneous sources and 4 displays

- Handles HDMI®, DVI, DisplayPort Multimode, HDBaseT and SPDIF digital sources
- Handles RGB, composite, S-Video, component, and stereo audio analogue sources
- Features auto-detecting, auto-switching inputs for all types of video and audio sources
- Includes built-in 6-channel gated microphone mixing w/DSP
- Includes full-bandwidth, fully-adaptive acoustic echo cancellation on each mic input
- Allows direct integration with one or two teleconferencing codecs
- Affords versatile audio signal mixing and routing to 7 separate outputs
- Allows audio-follow-video or breakaway switching for all inputs
- Enables HDMI audio signal extraction and embedding
- Provides 3 stereo analogue outputs with independent DSP per output
- Features built-in 40 Watt amplifier, selectable for 8 Ohm stereo or 70/100 Volt mono operation
- Multi-channel PCM, Dolby®, and DTS® audio signals can be routed to the HDMI and DM 8G+ outputs
- DigitalMedia 8G+™ connectivity affords single-wire CAT5e interface for remote sources and displays
- Furnishes Power over DM® or HDBaseT for PoDM/PoH-powered devices
- QuickSwitch HD® technology manages HDCP keys for fast, reliable switching



- Auto-Locking™ technology achieves rapid switching between disparate sources
- Performs automatic AV signal format management via EDID
- Scaler options provide discrete image optimization for each display device
- Integrated Ethernet switch provides a single-point LAN connection
- Private Network Mode — requires just two IP addresses for the complete system
- 2-Series control system provides fully-programmable device control
- Supports Crestron® touch screens, keypads, and wireless remotes
- On-board e-Control® Web server
- Supports Core 3 UI™ XPanel Web-based remote control
- Supports Crestron Mobile® control apps for iPhone®, iPad® and Android™
- Supports Fusion RV™ and SNMP remote management
- Provides easy setup and diagnostics via front panel or software
- Internal universal power supply for worldwide compatibility
- 3-space 19-inch rack-mountable

THE HippoCriter

The HippoCriter is Green Hippo's entry level Media Server with lots of features yet affordable.

Don't let the diminutive size of the HippoCriter fool you. It's a powerful performer in a compact 1U rackmount casing and boasts a feature set unrivalled in such an affordable package.

Being the baby of the Hippotizer range doesn't compromise features and flexibility. Four layers of standard definition media, RegionMapper, VideoMapper and UberPan compatibility, Presets and XFade on Layer means HippoCriter will provide a wealth of options to lift your show to new levels.

A built in composite input and rugged industrial chassis means HippoCriter will work harder for your event than any other compact server available today. The option of a custom patch panel provides professional connections and flexible racking configurations.

Unlimited PixelMapper universes and a suite of related software tools also make HippoCriter a phenomenal DMX mapping solution at an affordable price.



HippoCriter: It's a Baby Giant.

MAIN FEATURES

- Single output at 1024 x768 or 1280 x 720
- Class leading video playback and real-time rendering
- 4 media layers (+4 mask layers)
- PixelMapper with unrestricted number of output universes
- 1U rackmount case
- Optional patch panel for professional connections
- 2 FX engines per layer - 100+ effects per FX engine
- Frame accurate synchronisation across multiple servers
- Media Manager with live media updating and WatchFolders
- ScreenThief for Ethernet video capture

- Keystone and ScreenWarp for non-linear projection surfaces
- Soft-edge blending
- Timeline for stand-alone operation
- HippoNet
- External control via DMX / MIDI / TCP-IP / OSC / RS232 / MaNet
- High performance 3D show visualisation integration via CITP and HMap2
- Map to the most complex screen setups using RegionMapper and the award winning VideoMapper
- Create stunning multi-screen shows with UberPan controller driving upto 4 render modes
- New visual presets applicable across all layers
- XFade - A/B mixing with preview and output on same layer

CineTension2 SERIES

FEATURES AND BENEFITS

Screen Material:

- CineWhite 1.1 Gain Screen Tension Material is flat, durable and easy to clean screen material
- AcousticPro1080 1.0 Gain Screen material for acoustically transparent applications.
- 160 degree wide-viewing angle for commercial and residential presentations
- Black backed screen material eliminates light penetration for superior colour reproduction
- Black masking enhances picture contrast

Tension & Motor System:

- Tab-tensioned cords provide uniform flatness on entire projection surface
- Tubular motor allows fast operation with a superior weight tolerance and operational lifespan

Control System:

- Infrared remote and wall switch
- Internal IR and Radio Frequency remotes and wall switch
- 5-12 volt trigger synchronizes with projector
- Adjustable vertical limit switch
- Optional In-wall up/down switch and wireless 5-12V controls available

Tab-Tensioned and Premium Grade Tension Electric Screen



ezFrame Series

PREMIUM CINEMA FIXED FRAME SCREEN

HOME THEATRE FIXED FRAME PROJECTION SCREEN

- Award winning Home Theatre Screen with full tension uniformity
- Models available with CineWhite 1.1 Gain, CineGrey 1.0 gain, Wraith Veil (rear) 2.2 gain, and AcousticPro1080 (sound transparent) 1.0 Gain material
- Black velvet surfaced 2.36" anodized aluminium angular frame enhances picture contrast
- Easy to assemble and install in minutes
- Sliding wall mounts ensure the installation is properly centered
- Available in 4:3, 16:9 and 16:10 aspect ratios
- Diagonal sizes ranging from 84" - 226"
- Custom sizes are available



ELECTROSONIC
LIGHT • SOUND • IMAGE • CONTROL

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24 HOUR SUPPORT LINE: AV: 0861 AVHELP (28 43 57)

JEM READY 365™

A league of its own!

The new Jem Ready 365 is a revolutionary CO2 hazer that produces outstanding fine-particulate atmospheric effects for larger venues. Using an advanced water-based fluid that gives a comparable performance to oil, this premium hazer produces the ultimate transparent haze.

The Jem Ready 365 Hazer houses advanced technology like automatic shutdown with battery backup to prevent clogging and OFG (Out of Gas) technology that allows the Ready 365 to produce limited haze even after gas pressure loss, giving the user time to change the gas cylinder. It also sips small amounts of fluid and leaves no residue or smell.

The easy-to-use plug and play system requires minimal set up time. Coupled with a list of innovative features and nearly silent in operation, the Jem Ready 365 is the ideal hazer for theatres, shows, events, TV studios, clubs, cruise ships, theme parks and much more.

KEY FEATURES

- Water-based fluid - comparable performance to oil
- Long hang time
- Integrated airflow director for smooth haze distribution
- Stored settings from last operation and programmable fast access keys
- Easy to use and set-up
- Gas pressure readout on display
- Inert gas operation with low gas pressure warning (via display and RDM)
- 3.5 L fluid storage in machine (approx. 200+ hours operation at low output)
- External gas cylinder with quick-connect fittings (self-sealing type)
- Low gas consumption. Expected max gas consumption 0.25 kg per hour
- DMX control with RDM as standard
- Robust, precision pre-set regulator without gauge for maximum durability (accessory)



MAC Viper AirFX™ WASH LUMINAIRE

Both flexible and efficient, the MAC Viper AirFX is a new concept that combines hard-edge, mid-air effects and a beautiful wash field in one luminaire. Featuring a great selection of all-new gobo designs, hard-edge effects remain stunning across the fixture's entire 11 - 59° zoom range. Capable of snapping or fading into a wash light at any point, a unique and highly efficient optical system means the MAC Viper AirFX can offer the features of a profile at the output of a wash light.



The Viper AirFX has adopted the compact form, impressive speed, superior light quality and beautiful colors that the MAC Viper Profile is renowned for. It is also based on the same 1000-watt lamp for an output that convincingly exceeds any larger, heavier and more power-demanding 1500-watt profile fixture.

KEY FEATURES

- 34500 lumens – excellent light quality
- 1:5 zoom - 11 to 59° continuous zoom with auto-linked focus
- 160 mm precision PC front lens for fat beam looks
- Frost - snap or fade-in for beautiful wash effect
- Rotating gobo wheel with 5 replaceable designs
- Static gobo wheel with 7 designs
- CMY – Vibrant color mixing with a superior palette of colors including true reds, rich ambers, primary green and deep blues
- 7-slot color wheel – fixed colors for added color choice
- Linear CTO – Daylight to tungsten CCT control and expansion of the CMY palette
- Dimmer and shutter - Combined dimmer/shutter system with intensity effects, instant blackout/open and smooth fades
- Iris – Fast and tight iris with adjustable dynamic effects
- Diverse strobe effects

MARTIN MAC Viper Quadray™ - FOUR TIMES THE EXCITEMENT!

The MAC Viper Quadray is a never-before-seen, multiple-beam effect that adds a whole new dimension to the lighting designer toolbox. Available as an easy-to-install front lens replacement kit for any standard MAC Viper AirFX, the Quadray allows for projection of 1, 2, 3 or 4 individually-controllable rays of light for all-new static or dynamic possibilities in mid-air effects.



It includes an efficient effects engine that allows designers to create a whole new variety of looks that would otherwise be hard, or even impossible, to program via a lighting console.

The MAC Viper Quadray houses the same high-quality feature set as the MAC Viper AirFX, including a vibrant colour mixing system and stunning aerial effects, and has inherited the same compact form, impressive speed and superior light quality from a 1000-watt lamp.

PROJECTOR LIFT SI-100

SCREEN Int.



The projector lift SI-100 is a versatile and innovative product that enables the installation of projectors in environments where particular aesthetic solutions are needed. The product has been developed to be installed inside false ceilings in order to hide projector, lift and cables, thus granting the best aesthetic and practical solution. It has an extremely SILENT motor that allows a descent from a minimum of 16 cm to a maximum of 90 cm.

Moreover, the SI-100 is supplied with a particular system that allows an easy fixing of a panel of your false ceiling by the threaded bars that are height adjustable. One more interesting element of this lift is a CABLES GATHERING SYSTEM with a raceway to place the cables of the projector, so they will be hidden and tidy gathered together when the projector lift is going up.

Other models are available for various installation options.

Who do you call when things go wrong?



SACIA members subscribe to the highest standards of ethics in their business conduct and sign a pledge in which they commit to excellence in what they do. They take pride in their work and provide products and professional solutions in line with their clients' needs.

They're dependable business partners who promise not to engage in dealings that are corrupt, dishonest or questionable.

If you feel that a SACIA member has failed to live up to this pledge contact us at ethics@sacia.org.za or call our complaints hotline on +2711 083 6418

For a full list of SACIA members and a copy of their pledge to conduct business on an ethical basis visit www.sacia.org.za



The Southern African Communications Industries Association (SACIA) is a not for profit trade association committed to promoting the adoption of professional standards and ethical business practices in the communications industry throughout Southern Africa.



VP-438: 10-INPUT ANALOGUE & HDMI ProScale™ PRESENTATION DIGITAL SCALER/SWITCHER

QUICK FACTS

- Multi-Standard – PAL & NTSC.
- Max Resolution – UXGA/1080p
- AFV (Audio-Follow-Video) – All Inputs
- Audio Outputs – S/PDIF & Stereo
- Built-in ProcAmp
- Control – RS-232 & IR

The VP-438 is a high-performance presentation scaler/switcher for HDMI, computer graphics, composite video and component video signals. It scales the video, embeds the audio, and outputs the signal to the HDMI, computer graphics and RGBHV video outputs together with digital and analogue stereo audio outputs.

KEY FEATURES:

- Video Inputs - 4 HDMI, 2 computer graphics video on 15-pin HD connectors, 2 composite video & 2 component video on RCA connectors

- Scaled Outputs - A single output signal simultaneously available in 3 formats: 1 HDMI, 1 RGBHV on BNC connectors & 1 computer graphics video on a 15-pin HD connector
- 22 Output Resolutions - Up to UXGA and 1080p
- HDTV Compatible
- HDCP Compliant - The HDCP (High Definition Content Protection) license agreement allows copy-protected data on the HDMI input to pass only to the HDMI output
- K-Storm™ Scaling Technology - Kramer's extremely high-performance scaling technology. High-quality 3:2 and 2:2 pull down de-interlacing and full up and down scaling of computer graphics video input signals
- Multi-Standard - PAL & NTSC
- Companion AFV (Audio-Follow-Video) - Stereo audio for every input (on terminal blocks) and individual level controls



- Multiple Aspect Ratio Selections - Full, overscan, underscan, letterbox & panscan
- Built-in ProcAmp - Color, hue, sharpness, noise, contrast, and brightness
- Audio Outputs - 1 S/PDIF & 1 unbalanced stereo audio on RCA connectors
- Front Panel Control - Audio mute, video blanking & freeze frame
- Front Panel Lockout
- Non-Volatile Memory - Saves final settings
- Flexible Control Options - Front panel, IR remote (included) with OSD (on-screen display) & RS-232
- Worldwide Power Supply - 100-240V AC
- Standard 19" Rack Mount Size - 1U. Rack "ears" included

RC-74DL: 12-BUTTON MASTER ROOM CONTROLLER WITH DIGITAL VOLUME KNOB

The RC-74DL is a 12-button master room controller with a digital volume knob for multimedia rooms. The unit can function either as a standalone controller or as part of a more complex room control system to control audio components, video components and other room facilities such as lights and screens.

QUICK FACTS:

- 12 Buttons – 3 groups colour, back-lit & label capable
- Digital Volume Control Knob
- K-NET™ Control Channel
- Kramer Site-CTRL Compatible
- Size – 3 Gang

APPLICATIONS:

- Multi-media classrooms
- Auditoriums
- Conference rooms

KEY FEATURES:

- 12 Programmable Buttons - 3 groups; colour, back-lit & label capable
- Configurable Digital Volume Control Knob.
- Programmable Back-Lit LCD Group Labels
- Macro Capability - Carries out multiple commands with a single press of a button
- Command Banks - Each button offers multiple layers of functions for alternate behaviour, toggle functionality, and more
- 1 USB Port - For programming
- 3 Bidirectional RS-232 Ports - Controls AV equipment such as projectors, LCD and PDP displays, power amplifiers, switchers and scalars
- 2 IR Outputs - Additional control port for AV equipment
- IR Learning Function - Learns commands from IR remotes



- 4 Contact Closure Ports - Conveniently control other room items related to the AV system such as raising and lowering drapes, the screen or the projector
- 2 GPI/O Ports - General purpose I/O ports that can be configured by K-Config as digital inputs, digital outputs or analogue inputs for interfacing with a variety of devices such as sensors, switches, LEDs, or relays. 2 K-NET™ Connectors - Connect to other control panels or a central control processor
- K-NET™ Control Channel - Provides power and control data to the wall plate controllers over a single cable
- Kramer Site-CTRL Compatible - For network remote control and management using Kramer Site-CTRL software over the Ethernet port
- Configured with Kramer K-Config Software
- Dimensions - 16.2cm x 2.6cm x 11.4 (6.4" x 1.0" x 4.5") W, D, H
- Wall Plate Size - 3 gang US. Available in white, black, grey and brushed aluminium

KW-11: WIRELESS HIGH DEFINITION TRANSMITTER/RECEIVER



APPLICATION:

- Home theatre
- Presentation and multimedia applications
- Short range video and audio distribution

The KW-11T and KW-11R is a high-definition, wireless, HDMI transmitter and receiver combination for indoor use over short range distances. The KW-11T converts an HDMI signal into a wireless signal that it transmits to the KW-11R. The KW-11R converts the wireless signal back into HDMI.

KEY FEATURES:

- Max. Resolution - Uncompressed video resolutions up to 1080p @60Hz
- Robust MIMO 5GHz Technology
- Zero Latency
- HDMI Support - EDID, CEC and HDCP
- Transmission Range - Up to 12m (39ft)
- No Line of Sight Requirement
- Compact Size - Part of the Kramer family of compact, high-quality and cost-effective solutions
- Size - MultiTOOLS®

MultiSync® X462UNV ULTRA-THIN VIDEOWALL SOLUTIONS FOR 16/7 PERFORMANCE IN RETAIL SPACES & PUBLIC DISPLAY

Empowered by Innovation



A more affordable videowall option

The MultiSync® X462UNV is a 46-inch LCD public display that offers outstanding videowall features at an affordable price. Its FHD (1920 x 1080) resolution and 5.7mm total bezel width allow for impressive high resolution videowalls with barely visible seams.

MultiSync X462UNV is the second generation of 46" class video wall products with additional features only NEC can provide. The product is compatible with all accessories designed for the predecessor to guarantee a smooth transition between the two products.

MultiSync X462UNV addresses installations requiring high brightness due to edgelit LED Light source and heavy duty performance typically found in retail signage or Public display.

The LCD MultiSync® X462UNV displays combine commercial grade LCD panel, automatic thermal management, remote monitoring functionality and the NEC 'no-compromise' approach to manufacturing resulting in the highest benchmark in public display technology. NEC delivers outstanding innovation with a guarantee of performance that has made it a consistent market leader in the signage sector.

With high brightness and low power, industrial-strength design, powerful modular network connectivity and low maintenance option slot, these displays are ideal for heavy duty 16/7 operation in environments such as advertising, information walls or events and interactive touch super-walls.

DICOM support - for medical applications.

Ease of Installation and Operation - free LAN control software for central, convenient and cost-efficient maintenance and control. Automatic alarm emails notify the user of problems if they should occur.

Large number of Accessories - various wall mount solutions and a decorative overframe kit to offer a complete one stop shopping solutions experience.

Option Slot STV1 - for DVI daisy chain board, built-in PCs, mediaplayer and other slot in boards.

Programmable Ambient Light Sensor - for reduced power consumption and eye pleasing brightness levels.



SPECIAL CHARACTERISTICS

- Advanced fan control
- Copy display settings through RS232
- DICOM support
- EdgeComp
- Hardware colour calibration possible
- Input name adjustment
- LAN with SNMP support
- Matrix memory
- OSD rotation for portrait mode
- PIN as theft protection
- Programmable ambient light sensor
- Rapid input switching
- Scheduler; Screen saver functions
- TileMatrix (10 x 10)
- User input priority definition
- Various picture in picture options

NEC PH1400U – HIGH BRIGHTNESS PROFESSIONAL INSTALLATION PROJECTOR



The PH1400U, a high-end 3-Chip installation projector is ideal for installations that demand the highest levels of heavy duty usage and unique picture quality in highest resolution. Five optional

bayonet lenses and an integrated stacking/rigging frame make it ideal for Rental/Staging, Large Corporate, High Education, Conference Room, Museum and Signage.

KEY FEATURES

- WUXGA resolution and superb brightness levels and colour ranges
- Motorized Lens Shift with vertical and horizontal adjustment and Lens Memory
- Network cost-saving convenient maintenance and management of content and scheduling
- Great picture quality even in bright ambient light because of high projector brightness and excellent 10-Bit Hollywood Quality Video signal processing

- Best reliability and system stability because of 2 lamp system and full metal cabinet
- Geometric correction, Light Shutter, Stacking function, built-in Edge Blending function and much more
- Best connectivity supporting nearly all signal sources, as HDMI and even DisplayPort. First projector worldwide, which supports STV2 OPS based Slot-In modules for highest input flexibility as for example Single Board Computer or 3G HDSLI interface
- Latest network technology enables not only many ways of projector control by network but also easy picture transfer
- Active 3D support for single projector 3D presentation

NEC P451W - PROFESSIONAL PROJECTOR

- 4500 ANSI Lumens
- HDR (1280x800)
- 4000:1 Contrast Ratio



NEC PE401H – PORTABLE PROJECTOR

- Only 4.6Kg
- 4000 ANSI Lumens
- Full HD (1920x1080)



GALAXY PRO VIDEO WALL CONTROLLER SOLUTIONS

The GALAXY range of controllers is a highly expandable and flexible solution for video wall and multi-screen display applications, offering various display configuration possibilities. Whether you require a simple 4 screen data wall or a complex system, GALAXY hardware can be tailor-made to suit your needs.

The controllers are optimised for operation with the latest generation of PCI express graphics and video capture cards. The GALAXY PRO can also be used with the GALAXY PRO-X expansion chassis.

FUNCTIONALITY:

- Redundant power supplies and hard drives
- Input cards cater for almost any type of video signals, from legacy analogue signals to the latest high definition signals
- The outputs are just as flexible with cards that cater for DVI, HDMI, RGB and VGA
- Easily integrates with control systems such as Crestron
- Wall control software allows for user configurable layouts and input selections

GALAXY

VIDEO & GRAPHICS WALL CONTROLLER



The GALAXY X4 is a perfect product for an entry level video wall processor and it supports several variations of screen configuration.

CONFIGURATION EXAMPLE:



FEATURES:

- 1 to 40 Display channels using the WALL-4 graphics card
- 4 to 128 video capture channels using the VideoSD8 or VideoSD4+1 capture cards
- 1 to 32 RGB/HD/DVI capture channels using the DVI-RGB capture cards
- 1 or 2 GALAXY PRO-X expansion chassis providing a maximum of 25 PCI express slots
- Wall Control Software

Any Image, AnyWhere

Flexibility
Usability
Reliability
Simplicity



THE GALAXY SYSTEM DRIVES MULTIPLE MONITORS OR PROJECTORS TO BUILD ONE LARGE VIDEO WALL

GALAXY

VIDEO & GRAPHICS WALL CONTROLLER

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KRAMER CERTIFICATION - FAQ

Kramer Certified Digitalist

What is a KCD?

A KCD is a Kramer Certified Digitalist

How do I obtain a KCD?

Upon successful completion of our one day Kramer Digital Systems Training workshop and a simple open book exam to demonstrate that you have understood the material, you will be awarded the Kramer Certified Digitalist certification.

How much does certification cost?

The workshop and exam have been, and will continue to be, provided at a nominal charge to the attendee. At Kramer we make every attempt to provide these classes in as many regional locations as possible.

Where do I register for the workshop?

You may register for any of our regional training workshops via our website at www.kramerus.com. Look under the "Training" tab for all of our latest educational offerings and regional events.

Can you provide this workshop at our facility?

We are always willing to provide customized training or any of our educational offerings to individual companies as time allows. Please contact Jason Johnstone, Kramer Product Manager at Electrosonic SA, to discuss your training needs.



XCERTIFIED
DIGITALIST

Does this workshop provide InfoComm Renewal Units?

We are pleased to be able to offer 10 RU's valid towards a CTS, CTS-D or CTS-I for the Kramer Digital Systems Training which leads to the KCD certification. All of our training courses provide InfoComm renewal units.

Do I need to renew the KCD certification?

Yes. Due to the fact that this training is based on digital systems, designing and implementation, renewal will be necessary every two years. This technology is continually evolving so that after you have received your KCD it may be necessary to acquire new information in order to maintain the certification and keep pace with any changes in the industry. It is not our intention to require repetition of the original material or class.

Is the KCD a requirement to be a Kramer dealer?

No - absolutely not. We offer this education and training for your benefit. We do not require that you obtain any of our training in order to maintain or gain dealer status.

KRAMER INSTALLER SOLUTIONS

With our outstanding quality, tremendous selection, excellent value, and reliable performance coupled with our unbeatable customer service, it is clear that Kramer Installer Solutions should be your first choice!

Kramer has a full line of connectivity solutions to integrate your AV system. Our "Installer Solutions" line includes:

Bulk Cable: Cable only on spools, with no termination. Available in a wide range of formats and lengths and in standard, Low Smoke Halogen Free and plenum rated versions.

Plenum-rated cable is most often used in commercial buildings with HVAC systems which frequently use the open plenum airspace above suspended ceilings as an air return. Cables with ratings such as CL2P, CL3P, and CMP typically satisfy building fire and safety codes by meeting more stringent standards for flammability and smoke emission.

Cable Assemblies: 15-pin HD (VGA), BNC, RCA, s-Video, HDMI, DVI, DisplayPort, FireWire®, XLR and more, made with copper or fiber optic conductors; in various lengths with connectors on each end to fit virtually every connectivity application. Also available in standard, Low Smoke Halogen Free and plenum-rated versions.

Termination Accessories: Kramer offers the perfect way to finish your cabling installation. In addition to typical adapters, gender changers, etc., choose from our high-performance radial compression system, or an industry-standard crimp system for installing BNC, RCA or F type connectors.

Wall Plates: Kramer offers a wide range of passive and active wall plates, from simple pass-through connectors on small modules to 2 gang multi-signal line drivers/transmitters and receivers.

Table-Mounted Cable Management Solutions: Conference tables are a central element of many AV presentation systems. The challenge facing system designers is to provide tabletop inputs for computer video, audio, network, and power in the most unobtrusive fashion possible. Kramer's attractive table connection products are designed to provide maximum connectivity coupled with easy, neat and flexible installation.

Floor Box: Kramer offers mounting frames for the installation of line drivers/transmitters and passive/active connectivity inserts in floor-boxes.

Speakers: Kramer has a full line of speakers designed to fit the needs of nearly any professional AV system. Our speakers provide outstanding audio performance and offer a wide range of physical and electrical configurations. Choices include round or rectangular format, in-wall, ceiling or surface mount, open or enclosed back, and a choice of 4/8Ω, or 70/100 volt operation.

Fiber Optic Solutions: Kramer's cost-effective fiber optic solutions conveniently and reliably deliver today's high-quality signals over long distances.

All Kramer cables are continually updated to incorporate the latest technological advances in manufacturing. They are the ideal companion to Kramer and Sierra Video hardware, and solve almost any connectivity requirement found in today's professional AV environments.

Information courtesy of the "Kramer Connections" publication, Kramer Electronics USA, Inc.



XICATO BRIDGELUX CREE



ELECTRON

www.electron.gr

DIMMER SERIES
LED COLLECTION
ENTERTAINMENT LIGHTING
PUBLIC ADDRESS AUDIO



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Finally, Wireless Presentation from any device

Today, clients want to bring their own devices to meetings and present wirelessly. Now, they can. And it couldn't be easier. Simply walk into any room and AirMedia™ wirelessly presents HD content from a phone, tablet, or laptop to a display within seconds.

AirMedia is a compact console that easily connects to the network. It instantly enables wireless presentation and remote viewing from mobile devices, audio capabilities, and quad view collaboration. All for a fraction of the price you'd expect.

Plus, it's designed to seamlessly integrate with DigitalMedia™ to stream the content anywhere in the world. Only Crestron delivers a complete digital infrastructure for the enterprise, intelligently connecting every room to the network.

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