



# NEWSLETTER

Audio Visual Systems

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## D.I.B. Present 2Touch IWB at Regional Principals' Conferences

D.I.B. Australia attended the 2010 Southern Metropolitan Regional Principal Class Conference at the Mercure Hotel, Geelong, the 2010 Northern Metropolitan Regional Principals' Conference at the Mantra Erskine Beach Resort, Lorne, and the 2010 Eastern Metropolitan Region School Leadership Conference at the Grand Hyatt Hotel, Melbourne in May and June this year as a sponsor exhibitor.

D.I.B. Australia's Solutions Consultants, Bianca Hinkley and Steven Britt used the conferences as an opportunity to catch up with school leaders and to demonstrate a 2Touch Interactive Whiteboard, Epson Ultra Short Throw Projector and Joey Controller.

There was great interest in the board from the conference attendees who were given a demonstration of the 2Touch Interactive Whiteboards capabilities and the opportunity to trial for themselves how easy the board is to use. They were impressed with the board's large 2.4 x 1.2m tough write-on surface which can be used as an interactive workspace, an ordinary drywipe board, and a projection surface. They were also impressed that you can annotate on the board with digital ink using your finger, and that the board has multi-touch functionality, is plug and play, and easy to use.

Also viewed as key benefits of the 2Touch Interactive Whiteboard is the fact that it can be used

with proprietary, free and open source software, and that it is Windows, Mac and Linux compatible. D.I.B. staff explained that the board is manufactured right here in Melbourne, ensuring easy access to ongoing stock of the board.

Whilst 2Touch Interactive Whiteboards can be used with proprietary, free and open source software, 2Touch Workbook is provided free with the board. Bianca and Steven demonstrated Workbook's integrated web browsing feature which allows the user to import images or other content to the Workbook from the web, and showed how it can facilitate a live feed of news, stock market or other information. Active connectors which are great for brainstorming and flowcharting and for really allowing teachers and students to explore ideas were also demonstrated.

The ability to save the Workbook with both the teachers and students input, to print it out and e-mail it ensures greater impact and makes lessons more memorable and more fun.

To see who the lucky conference attendee was who won an Epson ELPDC-06 Document Camera for their school please turn to page 4.

For more information on 2Touch Interactive Whiteboards or 2Touch Workbook, please contact a D.I.B. Solutions Consultant on (03) 9457 4800.



ABOVE: Steven Britt, a D.I.B. Australia Solutions Consultant demonstrates a WordWall puzzle using a 2Touch Interactive Whiteboard at the 2010 Southern Metropolitan Regional Principal Class Conference

## Our Lady of Mercy College – Ultra Short Throw Is All The Go!



ABOVE: Mr. Frank Scott, Head of ICT at Our Lady of Mercy College, Heidelberg uses a 2Touch Interactive Whiteboard with Epson EB-450We Projector

Our Lady of Mercy College in Heidelberg is a Catholic Secondary College catering for girls in Years 7 to 12. The College can trace its origins

to the arrival in Heidelberg of five sisters from the Convent of Mercy in Fitzroy, who as well as catering for primary school children held their first classes for six secondary school students in February 1910. Catering for around 1100 students today, the College is owned and operated by The Sisters of Mercy.

Students at Our Lady of Mercy College have access to a wide range of the latest technologies including computer laboratories, digital cameras, interactive whiteboards and video editing facilities as well as e-mail and the Internet. The College is a wireless environment and all teachers have a notebook via which they can access resources from their classrooms.

Our Lady of Mercy College is part of an e-learning project funded by the Catholic Education Office to develop the use of electronic whiteboards in the classroom. Mr Frank Scott, the College's Head of ICT leads a team of four in managing the technology and planning and supporting staff in its use in learning. Following the College's assessment of their interactive teaching needs and consultation from D.I.B. Australia, D.I.B. recently installed 2Touch Interactive Whiteboards and Epson EB-450We

Ultra Short Throw Projectors into 9 classrooms at the College.

The EB-450We is a widescreen, ultra short throw projector designed specifically for the education market and is an ideal partner for 2Touch Interactive Whiteboards. Mounted closer to the board than a standard or short throw projector, the ultra short throw projector reduces shadows cast on the boards' surface, and minimises glare from the projectors lamp in the presenter's eyes.

So impressed were staff at Our Lady of Mercy College with the features and benefits of the EB-450We projector, that the College had these pre-ordered to be installed by D.I.B. immediately the product was launched in the market.

Teachers are developing their interactive teaching skills and continually working the interactive teaching style into their curriculum. The College is planning the installation of a further 9 EB-450We Ultra Short Throw Projectors and 10 2Touch Interactive Whiteboards as the roll-out of its e-learning project continues.

For more information on interactive whiteboards or ultra short throw projectors please contact a D.I.B. Australia Solutions Consultant on (03) 9457 4800.

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# Balwyn High School – First with New 65" Touch Screen

Established in 1954 and located in the eastern suburbs of Melbourne, Balwyn High School is a large co-educational public secondary school catering for approximately 1900 students. Balwyn High School offers students excellent facilities, an extensive curriculum, a renowned music program and leadership opportunities. An international student program makes the School accessible to students from other countries.

Balwyn High School has a state of the art ICT network and computer facilities, a performing arts precinct, sports stadium, theatre and an open learning facility. The School is currently undertaking a building program entailing a 3 storey building that incorporates art/technology facilities, media resources and general open-plan classrooms.

Students in Years 7, 8 and 10 are offered the opportunity to participate in a laptop/Netbook program and new learning technologies are integrated across the entire core curriculum.

Balwyn High School's Music Program is one of the largest and best developed instrumental and choral programs in Victoria with about 650 students participating. The program is delivered in arguably the best music facilities of any government school in Victoria.

## THE e5 EDUCATIONAL MODEL

Phil Truscott, Director of eLearning and Information Services at Balwyn High School explains "Our vision is to promote teaching and learning spaces that provide maximum learning opportunities for our students. Our aim is to create an environment of digitally empowered learning and teaching, rather than ICT assisted teaching. The key difference with this approach is that it is about creating an environment where students and teachers can

engage, explore, explain, elaborate and evaluate (the e5 educational model) together. Simply adding ICT applications and hardware to the classroom won't achieve this aim. A more holistic approach is required. It's really about setting up the environment – both the physical space and the attitudes in the classroom – to allow best use of all the resources that are available in the digital age."

"The new Library eCentre has been specifically designed as a model of the e5 approach – an innovative collection of learning zones at the centre of the School that provides the resources and promotes an intrinsic motivation to become self directed life long learners, for students and teachers."

## 65" SAMSUNG TOUCH SCREEN

One of the most impressive and recent additions to Balwyn High School's eLearning technologies is the D.I.B. Australia installed Samsung 65" LCD 650TS E-Board with built-in Optical Touch Screen Technology.

Sam Garden, of D.I.B. Australia saw the potential of the Samsung 65" 650TS E-Board at the BETT Conference in London in January 2010. Responding to an enquiry from Balwyn High School, and after assessing the ability of the Samsung 65" 650TS E-Board to meet the School's needs, D.I.B. Australia installed the first Samsung 65" 650TS E-Board in Australia in Balwyn High School's Library eCentre in April this year. As Balwyn High School got D.I.B. Australia involved in the early stages of their renovation project, D.I.B. were able to plan to minimise cabling and input plates on public view resulting in a superior installation finish.

The Samsung 650TS combines the simplicity of a whiteboard with the power of a computer and is easy to use. You can use your finger to annotate, select tools and import pictures or



videos into your presentation. The Optical Touch Screen Technology is the same as that used in 2Touch Interactive Whiteboards and this enables multi-touch functionality.

At 65" and conveniently wall mounted, this digital solution functions as a powerful communication and learning tool in the Library eCentre environment. An installed JED controller allows the operator to toggle between using the screen as an interactive workspace to which individual teachers can connect their laptops for class presentations, using it as a large screen to play Blu ray, DVD or TV playback, or to display networked digital signage.

When used for students to watch content on the screen such as Blu ray, DVD or TV playback, students can wear and hear sound through infrared headsets. A teacher with a wireless microphone may talk to students

wearing the headsets, talking over parts of the on-screen content to make relevant points or give instructions. This means that other students in the Library eCentre are able to continue working in relative silence without any interruption from what is being shown on the screen.

Phil Truscott, Director of eLearning and Information Services at Balwyn High School comments on how the Samsung 650TS is benefiting students and teachers: "Its benefits are that students can better focus on the material in the teaching and learning zone that we've set up in the Library eCentre, for example watching a film resource on Blu ray with excellent sound through the headphones and high definition picture quality allows students to see the film as it was intended to be seen, not in a chatty classroom situation with poor sound,

small screen and no ambient lighting."

"The sound system allows the teacher to comment through one channel while the soundtrack plays through the other. The teacher or students can use the same device as an interactive whiteboard – Black is the new white! All of this in an environment where other groups are reading, studying quietly or engaged in similar activities in the next door computer assisted learning space with digital whiteboard."

Software provided with the Samsung 650TS includes drawing software, a contents library and classroom management software. The drawing software enables the basic functionality of the board, the contents library includes an extensive range of clipart, themes and icons, and the classroom management software has unrivalled potential.

The Samsung 650TS has great flexibility with its software enabling you to write thoughts or ideas over content such as a video playing on the screen.

Lesson content from the Samsung 650TS can be saved and viewed later by students if uploaded to an intranet. Teachers can review content drawn on Powerpoint, video or Flash movies adding or revising content, making comments and then posting to students for review.

The classroom management software creates a digitally integrated classroom as the teacher can control how and when they send both audio and visual content to students'

laptops. They can monitor what is on a student's laptop screen and take control of a student's laptop, blocking the Internet or freezing what is on the screen, and they can use it to share examples of a student's good work with other students including comments to point out what was done well.

The classroom management software can also be used to conduct simple tests to check understanding, or to conduct a vote during class and obtain a real time count.

The Samsung 650TS and classroom management software are truly revolutionary and offer unrivalled potential for educators and students of the future to work together in a collaborative, digitally integrated classroom environment.

Phil Truscott states "The key here is to have technologies that work well, with intuitive interfaces. Students being "digital natives" adapt to these naturally and can help their teachers navigate through the technical specifications, so long as the teachers have a clear goal and understanding of what they want the students to achieve."

## MOBILE TROLLEY

D.I.B. Australia also recently designed a custom portable audio visual trolley with 50" Panasonic Commercial Plasma and JED controller for Balwyn High School. This flexible solution offers VGA and audio inputs and the JED controller is set up similar to installed rooms at Balwyn High School ensuring ease of use for anyone needing to

**1: Infrared headsets are worn by students watching movies on the Samsung 650TS**

**2: Music students at Balwyn High are taught with the aid of an easily repositioned Mobile Plasma Trolley in the G. Newitt Music Centre**

**3: A class wearing infrared headsets watches Macbeth on the 65" Samsung 650TS Touch Screen in Balwyn High School's new Library eCentre.**

**4: Sam Garden of D.I.B. Australia demonstrates the large 65" Samsung 650TS Touch Screen as an Interactive Whiteboard surface**

operate this system.

Being on large sturdy wheels, the trolley can be easily moved as required. The lockable cabinet at the base of the trolley keeps audio visual equipment secure and protects it from unauthorised removal.

Nigel Brown, AV Technician at Balwyn High School said "The plasma trolley is used exclusively in a large multi-purpose classroom/rehearsal/function space in the school's G. Newitt Music Centre. It meets the need for a high quality display in high ambient light conditions. Importantly, it is both freely repositionable – to cater for the various uses of the room – and is operated in the same way as our classroom projector installations (JED switcher)."

If you would like information on how D.I.B. Australia can design and integrate an audio visual solution to meet your specific requirements please call a D.I.B. Solutions Consultant on (03) 9457 4800.



## See the big picture with a Samsung Video Wall!

Combining premium performance and aesthetic elegance, Samsung is a true innovator in flat panel displays bringing to market dynamic solutions for the home and corporate user.

Samsung have recently launched their new range of 46" Ultra-Thin Bezel Displays in three variants, the 460UT entry level model, the 460UTn with network functionality, and the 460UTn-UD with network functionality, and Ultra Definition Display with UD software.

Now you can create virtually seamless video walls with Samsung's 460UT series which have bezels of just 2.4 mm on the bottom and right, and 4.3 mm on the top and left. This means a total bezel width of just 6.7 mm, which is the world's thinnest large-format display bezel.

A Samsung kit is available for video wall installation, and video walls can be bent up to 40°. The Samsung 460UT has improved cooling for continuous operation 24 hours a day, 7 days a week and their backs can be removed so that they can be serviced without having to disassemble your video wall.

The Samsung 460UTn and 460UTn-UD models come with built-in computer and MagicInfo software making it easy to control content over LAN/WAN. The UD software which comes with the 460UTn-UD gives you ultimate interactivity. It enables you to create a bright high-resolution video wall of up to 250 displays, drag and drop images, zoom in or out, and lets you select and present content from 125 source computers with a single computer in real time.

For further information on Samsung video walls please contact a D.I.B. Solutions Consultant on (03) 9457 4800.



## MEET OUR PEOPLE



**JAMES RIDD**  
TECHNICIAN

James Ridd is a D.I.B. Australia Installation Technician and has been with the company since 2005. As a qualified and experienced technician James specialises in building site works and the installation of integrated systems as well as installations for our

## D.I.B.'s qualified and experienced installation team includes:

education customers. James often leads a team of technicians for larger jobs and ensures they achieve the highest standard of installation finish for our customers.

**What our customers say:**  
"James was fantastic and provided a very neat and efficient installation. I couldn't believe how quickly he got the work done and am very happy with the work he did."  
**Stephen Benko** – AV Technician, **Sacre Coeur**



**ANDY IVES**  
TECHNICIAN

Andy commenced working with D.I.B. Australia in 2007. A qualified and experienced installation technician, Andy works with our education customers installing projectors and interactive whiteboards into classrooms and integrated systems

into halls and multipurpose areas.

**What our customers say:**  
"Andy who led the installation team was very professional in the way he worked with us. He suggested improvements to enhance the installation finish, and was flexible with timings to ensure as little interruption to classes as possible."  
**Frank Scott** – Head of ICT, **Our Lady of Mercy College**





# HINTS & TIPS

## Finishing Your Audio Visual Installation To The Highest Standard

In the last edition of our newsletter we looked at the importance of involving your audio visual systems specialist at the planning stage for new builds and renovations, so they can advise on how best to integrate your audio visual systems infrastructure into your overall project plan to achieve a superior audio visual installation.

In this issue we look at the fit-off stage, when your audio visual systems specialist returns to install the systems for which the cables were roughed-in, and offer some tips to enhance your installation.

### CONTROL SYSTEMS

Finishing your installation with smart wall mounted control panels can really simplify operation of your audio visual systems. You can have identically programmed controllers installed in multiple rooms, and put away those easily lost remote controls. This enables any teacher to walk into any



**ABOVE:** An easy to use Joey Micro 6 button control panel can be programmed to your specific requirements

room, at any time, and operate the equipment immediately. The teacher only needs to be familiar with the control panels operation, not how to operate the different brands or models of equipment installed.

Control panels are programmed to meet your specific requirements. Basic control panels typically include buttons to turn equipment on and off, volume up and down, and a source button to toggle between inputs.



**ABOVE:** Your installation can be finished with smart wall plates with inputs appropriate to your audio visual needs

### WALL PLATES

Using wall plates can greatly enhance the quality of your installation finish. Wall plates

can be configured to your specific requirements. You can select RGB and stereo audio for connecting a computer, or video and stereo audio cabling for connecting devices such as VCR's, DVD players, iPod video and cameras.

Wall plates can be mounted in discreet areas such as on desk returns to conceal unsightly cables from public view and enhance the quality of the installation finish.



**ABOVE:** An Epson EB450We Ultra Short Throw projector with integrated wall mount featuring cable management to conceal cabling from public view

### ULTRA SHORT THROW PROJECTORS

Ultra Short Throw Projectors are especially beneficial with interactive whiteboards as they are mounted closer to the interactive whiteboard than a standard or short throw projector, reducing shadows cast on the projection surface, and minimising glare from the projectors

lamp in the presenter's eyes.

Some Ultra Short Throw Projectors such as the EB-450 and EB-460 models from Epson offer an integrated wall mount which includes cable management to conceal cabling from public view resulting in a seamless installation finish.

### REGULAR SERVICING

Now that your installation is complete you will be able to enjoy using it. Some equipment however, such as projectors require regular servicing to ensure optimum performance and longevity. Organising regular maintenance will help avoid seriously reducing the reliability and lifespan of your projector through excess dust build-up, which has other effects including shortened lamp life, reduced image quality, and reduced picture brightness.

*D.I.B. Australia have been designing and installing integrated audio visual systems and servicing audio visual equipment for 11 years. We have extensive experience consulting with leading architects and builders to achieve superior audio visual solutions. For consultation or advice on audio visual systems and service, please contact a D.I.B. Solutions Consultant on (03) 9457 4800.*



## WINNER OF EPSON ELP-DC06 DOCUMENT CAMERA

D.I.B. Australia are delighted to announce that the winner of the free prize draw for attendees who entered at the:

- 2010 Southern Metropolitan Regional Principal Class Conference
- 2010 Northern Metropolitan Regional Principals Conference, and the
- 2010 Eastern Metropolitan Region School Leadership Conference is

**Brian Pender**, Assistant Principal at **Princes Hill Secondary College**.

Brian's prize is an Epson ELP-DC06 Document Camera worth RRP \$699.00 (inc. GST) for his school.

The Epson ELP-DC06 is a flexible, lightweight and portable solution for the modern classroom.

- XGA resolution for amazing clarity and colour

- Large image capture area
- Direct connect to Epson projectors via USB without the need for PC
- USB powered – No need for mains power
- Captures landscape and portrait images
- Easy one touch focus
- 4x digital zoom



## 2010 CLASSROOM AUDIO VISUAL INSTALLATIONS CATALOGUE

The 2010 Edition of D.I.B.'s Classroom Technologies Catalogue is jam packed with great installation ideas for your classroom, multipurpose room, hall or staff room.

- Projector Mountings
- IWB installation
- Control panel programming and installation
- Digital Signage installations
- Plus a whole lot more!



**Call us today on (03) 9457 4800 or e-mail [skelly@dibaustalia.com.au](mailto:skelly@dibaustalia.com.au) for your copy.**