



Audio Visual Systems

# NEWSLETTER

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## Massive interest in 2Touch IWB

Wherever 2Touch interactive whiteboards are on display there is great interest from passersby who are impressed by the easy to use interactive whiteboards large 2.4 x 1.2m tough write-on surface.

IT, Science and Maths teachers attending their respective VITTA, STAV and MAV conferences in November and December were also impressed that 2Touch interactive whiteboards can be used with proprietary, free, and open source software, and are Windows, Mac and Linux compatible.

Conference attendees were given a demonstration of the interactive whiteboard's capabilities and had the opportunity to try and experience for themselves how easy they are to use. 2Touch interactive whiteboard inventor, Pablo Garcia led three informative breakout sessions at the VITTA conference.



**TOP:** D.I.B. Australia at the VITTA Conference  
**ABOVE:** 2Touch Interactive Whiteboard inventor, Pablo Garcia, demonstrates WordWall at a breakout session he leads at the VITTA Conference

## D.I.B. launch Epson ultra short throw projector

D.I.B. Australia also used the conferences as an opportunity to launch the Epson EB-450We, a new widescreen, ultra short throw projector designed specifically for the education market and an ideal partner for 2Touch interactive whiteboards.

Conference attendees were impressed by the sleek, stylish design of the projector, and how close it was mounted to the interactive whiteboard thus minimising shadows on the board's surface and glare from the projector's lamp in the presenter's eyes.

The adjustable integrated wall mount was viewed as further adding to the projector's appeal as cabling is run through it resulting in a neat, tidy and professional installation. The projector's various security features were seen as being ideal for the education environment.

# CAROLINE CHISHOLM CATHOLIC COLLEGE BUILDS VALUABLE RESOURCE LIBRARY WITH DVC

Caroline Chisholm Catholic College commenced using DVC (Digital Video Commander) in the 2008 school year, and have used it extensively since for recording free to air television programmes. The DVC system, which is manufactured by Command Systems, is then used to edit, categorise, add a synopsis to, and file the recorded programmes. This has resulted in the college building a large library of valuable content for teachers to use in their lessons.

In fact, such is the popularity of the system that the DVC server has already had to be upgraded from 3 terabytes to 8 terabytes to cope with the recording demands, and it is possible that the system will be expanded again in the future with a new server and the addition of five digital tuner cards. The DVC system is mainly used to record programmes shown on the ABC and SBS channels, and is set up to automatically record around 20 programmes on a regular basis

including Dateline, Mythbusters, Planet Food, BTN, Compass, Catalyst, Australian Story, 4 Corners, Foreign Correspondent and Insight. Programmes are recorded according to demand and DVC makes it easy to make changes to programmes set for regular recording by having an electronic programme guide.

It is easy for busy teachers to search the DVC system for content to use in lessons. The key word search feature is popular as it makes the system really easy to use and brings up all content relevant to the search quickly.

From an administration point of view DVC is great as you can quickly trim to the start and end of programmes, edit out advertisements, categorise programmes, add a synopsis and file them away.

DVC offers much more. It can be used to manage cameras, digital signage and other display devices, as well as for managing resources



**ABOVE:** The simple menu structure of DVC makes it quick and easy to use

for interactive whiteboards, and large volumes of various file formats. For further information please contact a D.I.B. Solutions Consultant on (03) 9457 4800.

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# Mentone Grammar Thorold Hall and DVC system installations

Mentone Grammar, situated in Bayside, Melbourne and dating back to the 1920s, is an independent school catering for boys and girls from kindergarten and pre-prep level in the Early Learning Centre, right through to senior students completing Year 12 at the Frogmore Senior Campus.

A contemporary learning environment with state of the art facilities and the latest learning technologies, Mentone Grammar offers a unique education model where students in Years 5-9 learn in separate gender classes, and all other classes are co-educational.

Mentone Grammar has excellent sporting and performing arts facilities, and construction is currently underway on the Eblana Learning Centre, a new Junior School with eight classrooms, as well as Multipurpose, Art, and Music/Drama rooms.

## THOROLD HALL

With the latest in classroom technology and audio visual equipment, including interactive whiteboards, multimedia projectors, flat screen TVs, and PC and Mac labs, Mentone Grammar recently undertook a major upgrade of the audio visual system in its 800 seat Thorold Hall, and had a DVC (Digital Video Commander) system installed.

The Thorold Hall's upgraded audio visual system features the powerful Epson EB-G5200W, a 4200 ANSI lumen projector mounted to rear-project an image on to a large 180" Screen Technics

motorised screen. Offering precision and performance with widescreen viewing, the low maintenance EB-G5200W is ideally suited to high use, high traffic environments and in this instance the rear-projection approach ensures an impressive high quality image even in a bright hall.

A quality Lectrum CTL lectern was customised by D.I.B. Australia to manage the hall's audio visual system. The lectern features a purpose built fold-out laptop shelf, a 5 metre custom audio visual cable loom, plus a 12 metre extension loom for extra flexibility in setup configurations, an Australian Monitor mixer, and a Beyerdynamic quality gooseneck microphone.

Perhaps the most impressive feature of the customised lectern is the D.I.B. supplied, installed and programmed Joey Lite control panel which simplifies operation of equipment in the hall. The Joey Lite has 24 programmable buttons and these have been programmed to control the Epson EB-G5200W projector, motorised rear-projection screen, LG DVD/Video combo and even to open and close the stage curtains. The microphone volume control mounted adjacent to the Joey Lite is a unique feature of this custom design and allows the presenter to easily make volume adjustments.

A second Joey Lite is installed in the backstage rack and mirrors the functionality of the one on the lectern. The Joey Lites really simplify the system and do away with complex and easily lost remote controls. The Jokeys are also programmed



## MEET OUR PEOPLE



### TREVOR WILKINSON

**SENIOR ENGINEER**  
Trevor Wilkinson commenced with D.I.B. Australia as Senior Technician when the business was formed in 1999. As a qualified

and experienced technician, Trevor has led many major projects for D.I.B.'s customers including the design and manufacture of flight information displays for Qantas at Melbourne Airport, the provision of audio visual infrastructure at the Australian Open for the last 10 years, and the rollout of temporary infrastructure for the Spring Racing Carnival's major events. Trevor has 44 years experience in the audio visual industry and has witnessed many technological developments in that time.

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

### What our customers say:

"The quality of the workmanship was excellent. Trevor was willing to be flexible in working around changing requirements and the final installation is just outstanding."

**Andrew Pate** – Head of Technologies, Mentone Grammar



**ABOVE:** Trevor Wilkinson, 2nd Year Apprentice, AWA Ltd., 1968



### MICK CHESSELLS

**TECHNICIAN**  
Mick Chessells also commenced working for D.I.B. Australia in 1999. A qualified and experienced technician, Mick ensures D.I.B. Australia's customers

receive excellent service. Mick specialises in education installations, often leading a team for larger jobs.

### What our customers say:

"Mick is fantastic. He turns up early, is clean, tidy, efficient and effective, asks appropriate questions and is courteous to staff and students alike."

**Roland Gesthuizen** – ICT Manager and eLearning Coordinator, Westall Secondary College



## EPSON EB-450Wi INTERACTIVE PROJECTOR ARRIVES!

- Interactive
- Ultra Short Throw
- Widescreen

Epson recently launched the Epson EB-450Wi. This interactive widescreen ultra short throw projector really is in a class of its own, and is capable of projecting an interactive image from 59" to 96" diagonal. This high performance projector and interactive pen combination integrates interactive functionality into one smart, easy to use machine.

The EB-450Wi can be used with an existing whiteboard, or on any hard flat wall to turn it into an interactive workspace. Offering interactivity, a sharp square-edged image, and 2500 lumen output, the EB-450Wi is ideal for both businesses and modern classrooms.

Easy to use software is available for use with the EB-450Wi. This software enables interactive meetings or classes, and at their end you simply save your work for printing or e-mailing to attendees. It's also great for keeping absentees up to date.

As the EB-450Wi is an ultra short throw projector, it minimises glare from the projector's lamp in the presenter's eyes, and reduces shadows on the projection surface.

An integrated wall mount is supplied with the EB-450Wi ensuring a sleek and stylish finish. Cabling is passed through the arm of the mount which means it is not exposed and this results in a tidier looking, more professional finish.

The EB-450Wi has network functionality which means that it can be operated and monitored from a remote computer via a network connection. An Epson ELP-DC06 document camera can be directly connected to the EB-450Wi via USB without the need for a PC. Wireless connectivity options are also available.

The EB-450Wi will prove popular with those looking for a smart, economical, interactive solution. The fact that it can be used to turn an existing whiteboard or any hard flat surface into an interactive workspace is a major advantage of this product.

For further information on the Epson EB-450Wi interactive projector please contact a D.I.B. Solutions Consultant on (03) 9457 4800.



**TOP RIGHT:** 800 seat Thorold Hall  
**TOP LEFT:** DVC server with 8 TB drives fits neatly into existing rack  
**ABOVE RIGHT AND LEFT:** A quality Lectrum CTL lectern customised by D.I.B. Australia to include a foldout laptop shelf, 5 metre custom audio visual cable loom, Australian Monitor mixer, Beyerdynamic quality gooseneck microphone, and Joey Lite controller to manage the hall's audio visual system  
**LEFT:** A second Joey Lite installed in the backstage rack mirrors the functionality of the one on the lectern  
**FAR LEFT:** The image rear-projected by a powerful Epson EB-G5200W 4200 ANSI lumen projector on to Thorold Hall's large 180" Screen Technics motorised screen

to turn the system off if it is accidentally left on saving valuable lamp life and reducing power consumption.

Users of the new audio visual system who include the Principal, Deputy Principal and visitors to the school have found it easy to use and have been impressed by its quality performance.

**DIGITAL VIDEO COMMANDER – DVC** Mentone Grammar also installed DVC (Digital Video Commander) recently and is already using the system to great effect. The Science faculty are driving the implementation of the system and because of their own extensive audio visual resources the Science Technicians have access to the DVC administration module.

The bulk of the visual content is managed by Library staff who record free to air and subscription programmes to add to the schools extensive collection. They have also begun the process of transferring relevant content onto the DVC systems 8 TB drives. The flexibility of the DVC system to play both digital content and copyright material from DVD and VHS has really won over the staff.

Once captured the programmes may be

quickly edited. DVC makes it easy to trim advertisements from the beginning to the end wherever they appear throughout a programme. The programme can then be appropriately classified and quickly saved away with a synopsis. This will make the programmes easy to find in the future when users are searching for material with keywords.

Training has been provided by D.I.B. Australia to users of the DVC system to ensure that it is imbedded quickly. Topics covered in training sessions have included how to schedule recordings, and edit and store recorded material, as well as how to load the player software and access live TV and stored video content for classroom use.

Mentone Grammar has also commenced using the DVC system to manage its digital signage content. They had a successful trial and plan to implement this module of the DVC system across other digital signage devices in the coming months.

For further information on specialist installations into halls or multipurpose areas, or to find out how DVC can benefit your school or college, please contact a D.I.B. Solutions Consultant on (03) 9457 4800.



# HINTS 'N TIPS

## Achieving Superior Audio Visual Installations

When schools are built, expanded or refurbished the person responsible for dealing with the architect and builders ends up being run off their feet. They face a challenging time, often having to juggle managing the largest project they may ever be responsible for, whilst coping with the demands of their regular job.

### Planning for Audio Visual services

One aspect of new builds, extensions or refurbishments that is easy to overlook is the audio visual element. It is important that you consider the audio visual requirements of your project before the tender stage, and it is recommended that you consult with an audio visual systems specialist and obtain advice on how best to integrate audio visual systems infrastructure into your overall project plan.

### Start early

Start your audio visual systems planning at the pre-tender stage. This gives you time to look at the various technologies available and consider which are most appropriate to the needs of your students. Audio visual technologies are constantly changing and some good advice at the planning stage will ensure you are up-to-date with the latest developments. A good audio visual systems specialist will make you aware of relevant technologies and developments, and will be able to advise you on issues such as allowing for future expansion, networking and future proofing.

### There is no such thing as generic cabling

A common mistake is to not consider your audio visual requirements early enough and to ask for generic audio visual cabling at the building stage. In the same way as each student is an individual, so to will be even the most basic of audio visual requirements. You can only be sure that cabling roughed-in at the building stage will be suitable for the equipment subsequently



**ABOVE:** Having cabling roughed-in at the building stage results in a superior, more professional and aesthetically pleasing installation

installed if you decide on what is to go in each room before building commences. Your audio visual systems specialist can design appropriate cabling infrastructure and specify termination and appropriate power point locations for you to incorporate in tender documents.

### Rough-in cabling at building stage

Once armed with the cabling design and specification you can pass this to your architect or builder to incorporate into the overall building project. By having your cabling roughed-in at the building stage you achieve a superior, more professional and aesthetically pleasing

installation. Unsightly cables can be run in the ceiling, or in wall frames that are to be plastered over, eliminating the later use of duct. Provision can be made for power outlets immediately adjacent to where projectors, interactive whiteboards and speakers are to be installed.

### Book your audio visual specialist for the rough-in

It is important to advise your audio visual systems specialist when the rooms to be roughed-in are expected to be at the pre-plaster stage. There will often only be a short window of opportunity for cables to be roughed-in between framing being completed and plastering commencing. A good audio visual systems specialist will have a lead time for works, so building progress should be communicated to them regularly to ensure they have scheduled technicians for rough-in works at the appropriate time.

### Installing your audio visual equipment

As your building project nears completion your audio visual specialist can return, install and test your audio visual equipment. If you have given adequate consideration to your audio visual requirements at the pre-tender stage, there will be appropriate audio visual cabling and infrastructure in place to complete the installation.

### Obtaining further information and advice

As a leading audio visual systems integrator, D.I.B. Australia's staff have been designing and installing audio visual systems infrastructure and equipment for over 10 years. We have extensive experience consulting with leading architects and builders to achieve superior audio visual solutions. For audio visual systems consultation and advice please contact a D.I.B. Solutions Consultant on (03) 9457 4800.

## WANT MORE INFORMATION ON THE LATEST AUDIO VISUAL SOLUTIONS?

- |   |  |
|---|--|
| <input type="checkbox"/> Epson Ultra Short Throw Projectors | <input type="checkbox"/> Hall projection solutions |
| <input type="checkbox"/> 2Touch Interactive Whiteboards     | <input type="checkbox"/> Digital Signage           |
| <input type="checkbox"/> DVC System                         | <input type="checkbox"/> Document Cameras          |

**Contact D.I.B. Australia now by phoning: (03) 9457 4800, e-mailing: [info@dibaaustralia.com.au](mailto:info@dibaaustralia.com.au) or ticking the relevant boxes above and faxing this form to us on (03) 9457 4801**

Name: \_\_\_\_\_ Position: \_\_\_\_\_

School: \_\_\_\_\_ E-mail: \_\_\_\_\_ Phone: \_\_\_\_\_