D.I.B AUSTRALIA
Audio Visual Systems

ISSUE 24

NEWSLETTER

9 Percy Street, Heidelberg West, Victoria, 3081 PH (03) 9457 4800 FAX (03) 9457 4801 E service@dibaustralia.com.au

Grand Slam for D.I.B at the Australian Open

The Australian Open has again seen the return of some of the world's best tennis players and likely more than 550,000 spectators. D.I.B Australia was proud to return for the 9th consecutive year installing over 600 TCL television sets. TV sets were installed in and around Rod Laver and Vodafone Arena along with the distribution of more than 40 TV channels simultaneously through kilometres of temporary and permanent broadband system. Providing excellent picture quality along with numerous support services, D.I.B was able to make their contribution to a tournament that is often billed as the highest attended annual sporting event in Australia.

LEFT: "TCL's 42" LCD screen - one of 600 TCL sets that were installed for the 2008 Australian Open tournament"

Ivanhoe Grammar School New 'Hidden Gem'

Last year Ivanhoe Grammar School and D.I.B worked simultaneously to create a high quality audio visual presentation solution to suit the Watts Foyer in their Buckley Hall. As specified by the school, the area was to be used for presentations, lectures, small dinner groups with presenters, background music and much more.

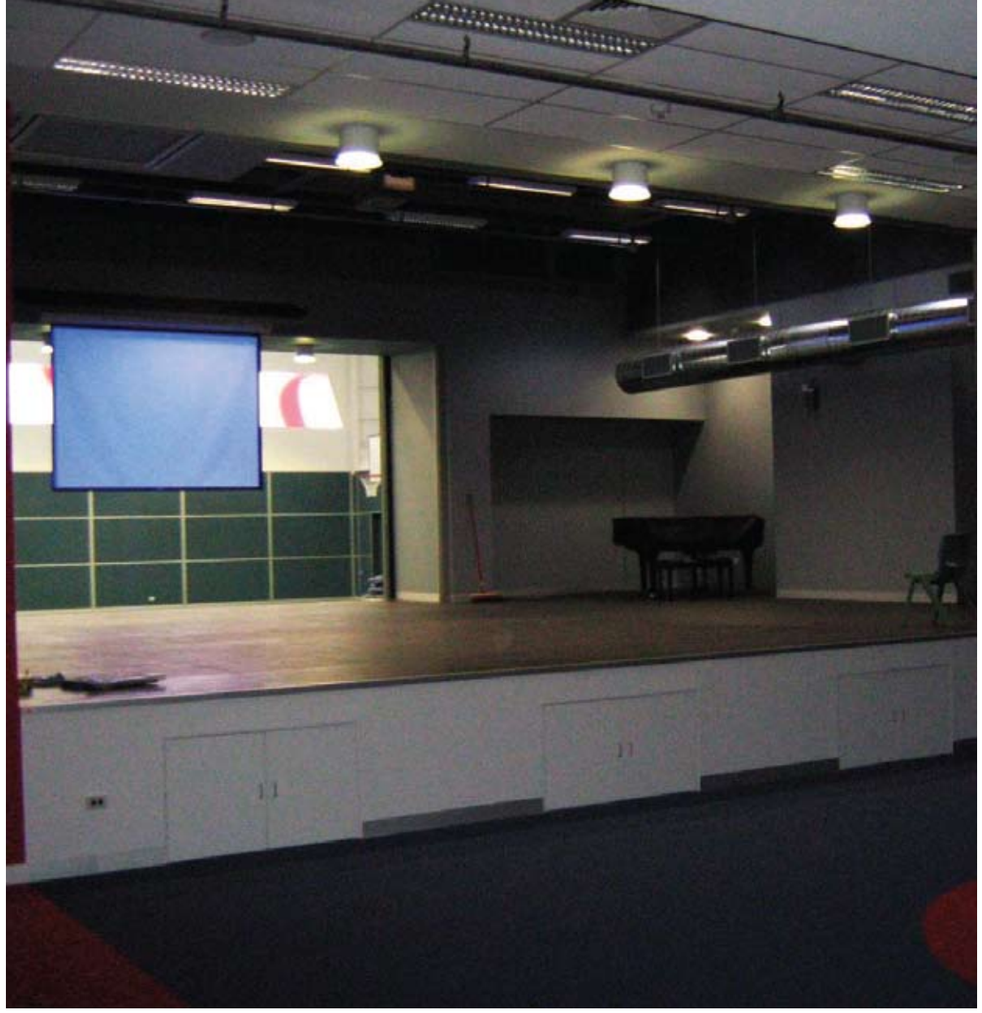
The different uses of the space meant that the system needed to be discrete and hidden from view when not in use. With this in mind the Epson EMP-1815 was installed in the innovative Flipper projector mount. Thanks to the Flipper, the projector remains above the ceiling when not in use, but when activated, it safely rotates the projector 180 degrees into position. In keeping with the discrete theme, a 120" motorised screen was installed above the ceiling into recessed housing so that when retracted it remains completely out of sight. Rounding out the installation was the addition of a Joey Lite control panel and a quality ceiling based sound system providing a superior audio solution for both background music and presentation requirements. Now completed, the room's design is stylish and sophisticated, flexible in use and easy to operate for the user.

If you have a room that requires an audio visual solution that is both practical and user-friendly please contact a D.I.B Solutions Consultant on (03) 9457 4800.

LEFT: Flipper mounting bracket hiding the projector up in the ceiling when not in use
MIDDLE: "Flipper open revealing the projector after having rotated it 180 degrees into position
RIGHT: Motorised screen installed in a recessed ceiling box so when not in use it is discretely hidden in the ceiling

ALSO INSIDE THIS ISSUE...

Overnewton's State of the Art Sports and Performing Arts Complex



Overnewton Anglican Community College has a proud history of encouraging and supporting its students to achieve in a wide variety of endeavours. As a result, the school has always made a point of providing their students with the greatest facilities in which to foster their learning. This was no more evident than in the recent development of the Sports and Performing Arts (SPA) complex. Completed in 2007, the centre was purpose built as a multi-functional space for sports, performing arts, assemblies and chapels.

D.I.B Australia having completed works for the school previously was invited to assist in the design process by Mr. Sean Kaule (Head of IS). After developing a design which successfully met with the schools requirements for this advanced space D.I.B Australia was chosen as the design, supply and installation organisation and worked closely with consultants from CPS (Connor Pincus & Saunders) and Project Managers CBRE Projects.

The central feature on the ground floor is a large stage area that opens to both the assembly hall and the larger sports hall (indoor basketball court). These areas enable a range of small and large congregations to meet for assemblies and other events. Located approximately 2 metres from the stage edge (facing the indoor court) is the centrepiece; a rear projection screen that combines the two areas. Controlled by a Joey Lite panel (so that it can be raised and lowered as required), the screen projects towards the audience and is ideal in this high-light environment as it allows large assemblies to take place in near daylight lighting whilst still providing the audience with excellent big picture quality. The screen works in conjunction with the EPSON EMP-8300, a powerful projector which affords high quality rear projection images.

In the assembly area, a sophisticated audio visual system is controlled by two LCD colour touch screens. This area provides the opportunity for a range of presentation options and allows for a high level of noise separation. It includes 20 premium ceiling speakers that are fully sealed with each speaker enclosed in its own metal box adding bass response and audio isolation so that sound doesn't travel to the music precinct on the upper level.

The installation of an advanced 'switcher' is another handy addition as it enables users to control the projector in the drama area with a projection screen in the assembly area, meaning that when the school runs a smaller assembly in this multipurpose area it will only be a matter of opening the doors and pressing this button to join these areas if needed. The switcher also enables the drama space to operate either stand alone, as a part of the Assembly area or as a projection solution in the Gym space.

The Gym (indoor basketball court) space itself, can hold up to 2200 hundred students at any one time. It includes an amplifier which is linked to the AV system in the drama space to facilitate integration with the large rear projection screen when required. It also includes special sound sphere speakers designed specifically for this type of environment, which are suspended from the roof structure above and 'drop' the audio onto listeners below, minimising echo and power wastage.

On the upper level, the music precinct incorporates intricately designed practical spaces and classrooms complete with EPSON EMP-82 projectors, Joey Micro control panels, interactive whiteboards and panoramic views of the city and surrounds.

All in all, Overnewton's state-of-the-art SPA centre is a complex system that integrates seamlessly. It demonstrates the significant flexibility which can be achieved via integrated AV technology in a large multi-purpose area. For more information on how you can integrate such systems into your large hall or multipurpose area please contact a D.I.B Solutions consultant today!

TOP LEFT: The assembly area and gym space (seen in far background of picture) are connected by a large stage area with rear projection screen facing the Gym space
ABOVE LEFT: One of the many EPSON projectors installed within the SPA complex
LEFT: The Joey Lite panel installed to raise and lower the rear projection screen & control a number of other functions
TOP RIGHT: Rear projection screen as seen from the gym space in near daylight conditions
MIDDLE RIGHT: 150" projection screen
ABOVE: Floor box which can be closed to easily conceal contents

Touch combines steel porcelain whiteboard with touch enabled IWB!

ABOVE:XXXXXXXX

Interactive whiteboards (IWB) are fast becoming widely adopted across Victoria. The latest generation interactive whiteboard to be introduced to the market is the revolutionary 2Touch solution offered by DIB Australia. Offering a truly unique IWB experience, the 2Touch is a real steel porcelain whiteboard that doubles as fully touch capable IWB. The board makes use of minute optical sensors located around the surface of the board which detect the exact location of any object approaching the surface (fingers, pens, rulers etc). This signal is then used to communicate with a connected computer via USB just like a mouse.

The 2Touch optical whiteboard system uses a standard USB interface and needs no software drivers to be installed, enabling it to operate with any Windows, MAC or even Linux system. Additionally it can be used with any software on your computer, just use your fingers on the board as a mouse and off you go!

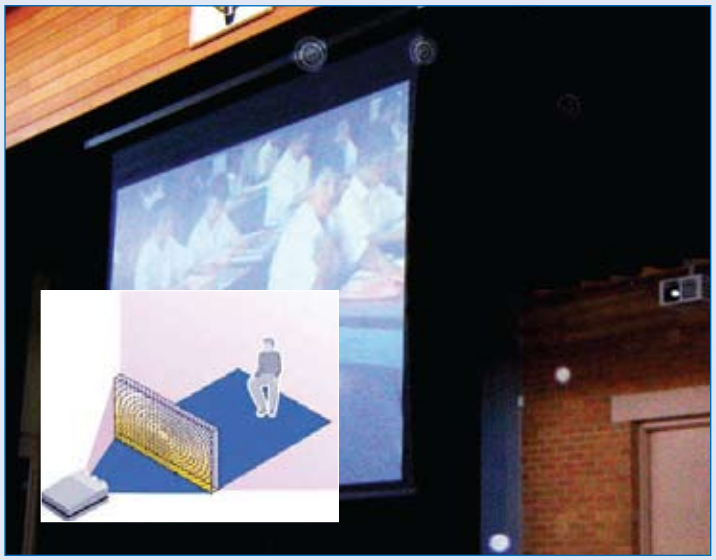
Importantly the 2Touch board itself is larger in size than its competitors. Being as large as many typical classroom whiteboards 2.4m wide x 1.2m high it allows teachers and students significantly more space to operate and learn. With no special pens to lose and no batteries to replace, the 2Touch is unlike other IWB solutions as it uses optical technology which means that for the first time, schools can enjoy finger touch control on a hard steel porcelain whiteboard surface!

2Touch™ INTERACTIVE WHITEBOARD

WWW.DIBAUSTRALIA.COM.AU

HINTS 'N TIPS

REAR PROJECTION BENEFITS – AN INNOVATIVE APPROACH TO SCREEN PROJECTION



The purpose of a projection screen is to reproduce visual information without losing image quality and to distribute the projected light towards your audience. For most purposes, a front projection screen is the obvious choice. However rear projection screens have a multitude of advantages (below) that should be considered also.

REAR PROJECTION ELIMINATES THE NEED TO BE IN A DARKENED ROOM

Rear projection permits the use of visuals in near normal room lighting, allowing the audience to take notes and the speaker to maintain eye contact with audience members. No matter what your lighting levels, the effects of ambient light will be reduced, producing images of better contrast.

Light dissipation is minimised as the distance between the light source and the screen is greatly shortened. This gives a brilliant picture and requires little darkening of the room. Projection can take place in full daylight which is ideal as it is hardly appropriate for teaching and learning in total darkness. Note taking is permissible as there is always enough natural or artificial light.

EXCELLENT IMAGE QUALITY

Rear projection can provide up to 4 times brighter images than front projection. It means that the projector is located behind the screen and shooting images toward the audience. It features uniform graphic density ultra-high contrast and high image resolution to offer viewers excellent visual quality in high light environments. In addition rear projection enables an image to be visible from both sides of the screen itself.

NO SHADOWS CAUSED BY PRESENTERS

Presenters are able to walk or stand in front of a rear projection screen without casting shadows over the image. Rear projection is the closest you will get to a giant TV screen feeling!

HIDDEN PROJECTION EQUIPMENT

The noise and distraction of equipment is largely eliminated by moving it behind the screen or even into a separate room in some cases. With the projector placed behind the screen the viewing area is left quite, clean, tidy and less cluttered.

For more information on screen options and the types of rear projection screens available contact a D.I.B Solutions Consultant today on (03) 9457 4800.

NEW CLASSROOM AUDIO VISUAL INSTALLATIONS CATALOGUE

The NEW D.I.B Installations Catalogue is now available and jam packed with great installation ideas for your classroom multipurpose room, hall or staffroom.

- Projector Mountings
- Projector Setup
- Screen installations
- IWB installation
- Plus a whole lot more!

CALL US TODAY ON (03) 9457 4800 FOR YOUR COPY!