

# Universal Power Bus <sup>(UPB)</sup> 220-240V Range

UPB provides for cost effective solutions for home and lighting control by using existing powerlines to move information around the home.

High Speed  
Reliability  
Flexibility!



## Benefits of UPB

### Lower Total Cost

UPB is a powerful digital powerline lighting control system that can eliminate much of the need to pre wire and pull new cables in new homes. Developed over 8 years ago in the US this system offers features such as linking along with room and house scene controllers providing similar features by all advanced lighting control systems.

UPB can be wired for structured wiring enclosures or locally, enabling installation in existing and renovated homes without the need of extensive new cabling. Consequently it is an ideal solution for clients seeking to experience lighting automation and giving you the ability to add further lighting control as their budget allows.

Simple to program, manage, support and install, UPB allows you to create the perfect lighting scenes without the need of a specialist programmer.

### High Speed

UPB™ Supports 0.3 second response time or 10 full commands per second which is 20 to 40 times faster than most existing technologies. This increase in speed delivers a lighting control system that is responsive to touch and easy to use.

UPB products are designed to work within the current framework that already exists in the home - fewer new wires are required.

MediaHub provides all the UPB components required to install a complete residential control system, including wall switch dimmers, wall mounted and desktop controllers,

plug-in lamp modules and interface module (for interfacing with PC and other Input/Output control modules.)

### Reliability

UPB™ uses low frequency, spread spectrum technology which produces a very strong signal. In addition, UPB uses true 2-way communications, allowing devices to reveal their status to each other. This feedback, that commands have been successfully executed, results in reliable communications - greater than 99% accurate!

### Flexibility

UPB™ technology supports either product-to-product control or centrally controlled with automation controller, providing flexibility for a wide range of applications including Temperature control, Lighting, Blinds, Pool, Spa and Water Feature controls as well as Entertainment System control.



# Lighting Control that Works



## WS1D Dimmer (P/N: HBWSID-10IND)

The WS1D Wall Switch Dimmer is a high quality home automation dimmer switch used to control incandescent, fluorescent, inductive and magnetic low voltage devices that is capable of transmitting and receiving digital commands and status over the existing powerlines.

This unique Dimmer plus "C" mark patented filter, prevents any noise from leaving or entering the dimmer, greatly increasing the reliability of the UPB device and most importantly, preventing any noise from subsequently entering the 240V powerline.

This PLLC device has been stringently tested and meets/exceeds the Australian EMC regulatory requirements. Australia is regarded as having the most stringent requirements worldwide.

Standards met are SIP 15 and 22, C tick as well as "Immunity", making this the ideal device for worldwide applications.

The WS1D is currently available in a power rating on 600W.

## Wall Switches (P/N: Multiple Part Numbers apply. Please call.)

The PLLC range of UPB Wall Switches offers an extensive range of 1 to 6 Gang wall switches. The wall switches are available in an extensive range of faceplate colours to suite various applications and decor. The current colours available are, white, cream, soft grey, desert sand, black, brown, red, grey, brushed aluminium, brushed brass, chrome and gold stainless steel. Switches can be installed vertically



or horizontally.

The current range includes slimline design as well as comfort 2000. All switches feature cool blue LED lamps.

The rear of each Wall Switch is identical, offering easy access for electrical wiring as well as the ability to set each device into Set-Up or Default Mode.

The PLLC wall switches all carry the EMC regulatory EMC certification approvals.



## Remote Wall Switch (P/N: HBRWS2031VHWE-V)

The Remote Wall Switch (RWS) provides an economical means of Duplicating the High End Roof Dimmer located on the wall. This provides simple on and off functions (duplicates Roof Dimmer), but also provides LED functionality i.e. when the switch is turned off, the LED turns off and vice versa.

The Remote Wall Switch is suitable for simple one (1) gang applications such as porch lights, toilets, laundry etc where UPB lighting control functions are required via a house controller.



## PIM-R (P/N: HDPIMRS232)

The PIM-R is an RS232 device which provides a means of communications between your 240V devices and that of your PC/Laptop or HAI controller.

The PIM plugs into any standard 240V AC electrical outlet.

The PIM-R is an RS-232 serial interface that connects to any available COM port via a DB9 serial cable (included). The PIM comes in a white enclosure.

A multi-colour LED is provided on the front of the module and acts as a powerline signal indicator as well as indicating modes of operation.

The PIM also provides a means of using your products as "Standalone" devices connecting to your Start-Up software, providing you the opportunity to use these powerful devices to set up a various array of Lighting Scenes.