ABOUT UPB TECHNOLOGY

UPB Technology

The award winning UPB(tm) technology was initially developed by Powerline Control System in the United States with further developmentsby PLLC in Austrralia, being made for the World Wide 240 Volt 50Hz market, and has been awarded several patents for its innovation.

What is Univeral Powerline Bus?

Universal Powerline Bus (UPB™) is a highly reliable, cost effective, 2-way communications technology which enables control products to utilize existing powerlines for both residential and commercial applications. The award winning UPB™ technology was developed by Powerline Control System (PCS) and has been awarded several patents
for its innovation.

UPB™ INNOVATION

Universal Powerline Bus (UPB™) a highly reliable, cost effective, 2-way communications technology which enables control products to utilize existing powerlines for residential applications.

While other powerline technologies exist, none compares to UPB™ cost per node, reliability, and functionality. Introduced in 1999, UPB™ is now considered a communications standard for residential lighting control.

Other potential applications include appliance control, HVAC control, and Internet-to-Application device communication.

Benefits of UPB™ TECHnology

Reliable:

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!

Flexible:

UPB™ technology supports either peer-to-peer or centrally controlled communication environments, providing flexibility for a wide range of applications. See our current list of UPB™ compatible controllers.

Lower Total Cost:

UPB™ uses existing powerlines, eliminating the need to pre-wire or pull new wire to install a system. Additionally, during the installation of typical PLC products, service callbacks are needed to install filters or repeaters to fix reliability issues. Because UPB™ products work right the first time, installers deploy once and no more service callbacks are required. The end result is a reduction of cost and significantly increased customer satisfaction.

High Speed:

Supports .3 second response time or 10 full commands per second which is 20 to 40 times faster than other PLC technologies. This increase in speed delivers a lighting control system that is responsive to the touch.

Click here to read more about UPB™ Specs or Compare X10™ to UPB™