

Bridgetek hopes to drive home automation forward with the launch of PanL Smart Living (PSL), a solution to deliver further compatibility within a smart home based on a range of plug-and-play devices.

PanL smart living



“The home automation concept has been around for decades but we have found that it hasn’t really caught on,” the company says. “The main reason for that is the lack of compatibility between different protocols. Various manufacturers are coming out with sensors, heating control, lighting control, etc, but they are not talking to each other. Our PanL solution is hopefully a solution for that.”

The PSL solution promises to enable lighting, heating, air conditioning, curtains/blind and other appliance control, as well as the activation of door entry mechanisms. To do so the single platform has to manage an entire ecosystem of smart device and appliances, no matter the brand, instead of using a multitude of standalone subsystems. The PanL hub is the main part of the system. It connects to home internet, allowing connection to the various sensors and controllers.

The PanL resides in situ, and allows direct control over touch and audio through the display. Bridgetek also offers a mobile device app, as well as voice control via Amazon Alexa, all bringing together formerly isolated subsystem. In addition, an IFTTT-style system allows the coordination of different functionality, such as automated blinds closing when it gets dark

outside, or heating turning on with the lighting.

Connectivity supports includes wifi (802.11 b/g/n), IRDA, 433MHz RF, Z-Wave, Zigbee, DMX512, DALI and Ethernet, plus proprietary technologies like Hue. The PSL can get data from sensor devices distributed throughout the house interior and exterior relating to room temperature, light levels, potential intruders and smoke. Such functions enable energy savings, with scenes and events ensuring devices and appliances act according to the environment.

On the long term, Bridgetek says it can add further functionality over time. The PSL unit can evolve to incorporate emerging technologies, meaning there is no need for core hardware replacement or hardware. The platform is compatible with technology from Philips, Heimann, OSRAM, Daikin, iHorn, EuChips, DMX, Somfy and NYCE, and the makers are looking to engage with installers to develop bespoke arrangements to fit the needs of end customers.

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