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RC4Magic Series 3 Wins PLASA Award for Innovation

In a feat of unparalleled engineering wizardry, RC4 Wireless has packed the past, present, and future of wireless entertainment lighting into a palm-sized capsule. Award for Innovation judges at PLASALondon2014 were astonished, some revisiting the Innovation Gallery and RC4 stand several times to be sure they hadn't fallen prey to sorcery. But as Sean Dane, Application Specialist at RC4, demonstrated each new RC4 Series 3 Harmonized Design feature in turn, mouths were agape with awe.

The DMX4dim Series 3 four-channel dimmer uses clever technologies to pack a variety of useful features in a tiny package. It maintains its price point from the previous system but adds more features. The lifetime warranty seals the deal. One judge said the only thing it doesn't do is zip up your pants.
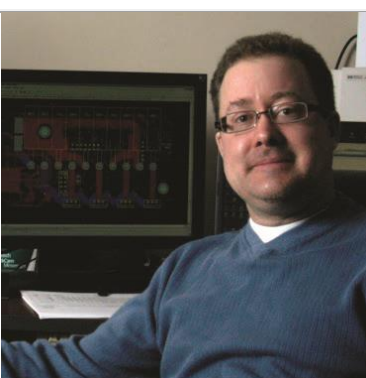

Judges of PLASA Innovation Awards 2014

New RC4Magic Series 3 wireless devices offer a startlingly comprehensive feature set in packages that are dangerously easy to lose in the laundry, between car seats, or in sidewalk cracks and crevices:

- Multiple high-power high-resolution DC dimmers easily drive 50W MR16s, LEDs, motors, and much more.

- RC4 OneTouch™ makes it easy to assign any DMX channel and curve to any dimmer output without space-consuming dipswitches

- RC4 Digital Persistence™ provides super-smooth LED dimming with the warmth of vintage lighting.

- An HSL (Hue/Saturation/Level) color engine lets users pick a color, adjust saturation, and smoothly dim down to zero with no color shift along the way.

- RC4 ColorMatch™ lets users adjust white-balance for different LED light sources to standardize color, even in custom-built props.

- The RC4 Wireless Flkr Effects Engine™ is a versatile DMX-controlled tool for creating modulating effects, like candle light, welding flash, fire in a barrel, simulated electrical faults, the light and shadow cast by a television screen, and much more. Not canned effects, this is a tool for creating unique custom looks.

- A dimmer mode for controlling hobby servo motors – ideal for eyes, mouths, and more in animatronics and puppetry.

- DMX wired and wireless in/out means every RC4 Series 3 device is a miniature wireless DMX receiver, and a miniature wired or wireless DMX dimmer. Extensive RDM support is also implemented.

- With so many features and options built-in, RC4 HotPatch™ provides a simple and intuitive way to patch and route data between modules and dimmer outputs.

- RC4 CodeLoader™ connects via USB for installing new firmware modules, features, and upgrades from a PC.

- Small four-channel devices are only 80mm x 40mm x 20mm. Two-channel devices are even smaller. They all operate over a remarkably wide voltage range from less than 6VDC all the way up to 35VDC.

- RC4Magic Series 3 devices are sold with a Lifetime Warranty.

Inspired by the Apple iPhone and the Leatherman multitool, RC4 Series 3 technology delivers unparalleled versatility to propsmasters and show electricians around the world.

James David Smith,
President and Chief Product Designer
RC4 Wireless

The culmination of nearly two years of development, RC4 Series 3 devices are part of RC4 Harmonized Design™. At the core of every device is a powerful Digital Signal Processor (DSP), fast FLASH memory, and an extensive firmware code base authored in-house at RC4.

"What I did for several years was think – about what people need now and will need in the future," explains James David Smith, President and Chief Product Designer at RC4 Wireless. "I drew block diagrams and scribbled cryptic charts. Then, for the past two years, I routed every copper trace on every circuit board, wrote every line of code, tested every feature and function, and revisited and reworked almost all of it. Today it works, and it works well.

"Thank you, PLASA, for recognizing our efforts at RC4 to make things better, smaller, more versatile, and more useful…" Mr. Smith then waved his wand, clicked his heels, and disappeared in a color-matched flash that was precisely 736 Twickenham Green.

Learn more about RC4 Wireless Series 3 devices at www.theatrewireless.com, and discover what other people have done with wireless dimming at www.wirelessdimming.com.

About RC4 Wireless

RC4 Wireless provides wireless lighting and motion technology for theatre, film, and television. From the gondola in *The Phantom of the Opera*, to wireless props and costumes in Cirque Du Soleil productions around the world; from the heart of Iron Man, to illuminated color-changing guitars for Katy Perry; RC4 has been inside awe-inspiring entertainment for over 20 years.

RC4 Harmonized Design™ is at the core of the most versatile, reliable, small, and easy-to-use wireless dimmers in the world. With devices that are compatible with RC4*Magic*,

Wireless Solution W-DMX, and LumenRadio CRMX, RC4 wireless dimmers fit and work wherever you need them, no matter what wireless system is on the job.

With customers large and small around the world -- New York, Toronto, London, Sydney, Tokyo, and beyond -- RC4*Magic* is affordable, effective, and sold with a Lifetime Warranty.

Live Life Untethered.™
Learn more about RC4 products at www.theatrewireless.com.
Discover the world of projects using RC4 technology at www.wirelessdimming.com.

About the PLASA Award for Innovation

Every year, PLASA recognizes products that demonstrate progress, through attributes like a new style of thinking, an improvement in technical practice, new technology, materials or techniques, or an improvement in safety. The entries were considered by an expert judging panel comprising Tim Atkinson, Scott Burges, Jonathan Burton, Richard Cadena, Jenni Harris, Tapio Ilomaki, Steve Moles, Nick Read, Ben Rogers, and Ed Manwaring.

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