



Tio kit & inventions, high res jpegs available

Absolute beginners can create, control and program app-controlled toys and inventions with Tio.

*** The custom PCB manufactured by Newbury Electronics is at the core of Tio.**

Newbury Electronics' recognised expertise and experience is now being put to good use as it works with Tio on the development of PCBs for inclusion in a new invention platform. With the new Tio kit, budding electrical engineers and inventors are able to quickly and easily create, control and program toys using everyday objects, the number and variety of which are only limited by the user's imagination

Peter Spence, co-founder of Tio, explained more; "The PCB is key to the product as it powers, animates and allows the user to control and program the hardware. The team at Newbury Electronics was recommended by a colleague for the quality of their work and speed of service and we have not been disappointed. They also reviewed the designs and made recommendations that have enabled us to reduce the production costs whilst still ensuring the highest quality for the final product."

The Tio team, with help from the team at Newbury Electronics, now have a works-like-looks-like prototype and a clear and reliable manufacturing plan. They are in the final stages of securing seed funding to make these a reality and plan to start accepting pre-orders on Kickstarter early next year, with a full scale launch of the product in the spring.

"Encouraging youngsters to have a go at programming and electronics is key for the future success of the electronics and engineering industry in the UK. Tio may be the spark that inspires the inventors of the future," said Philip King, MD at Newbury Electronics. "When you are learning anything as a youngster, be it music, sport or baking it doesn't always go right first time and it is the same with electronics, but with Tio young inventors will learn from their mistakes and have fun producing something that they can relate to, be that a cardboard buggy, a cake delivery system or a flapping butterfly."

The kit will comprise a custom PCB with the capacity to provide instructions for motion, light and power. Once completed the finished item will be controlled by a simple iOS or Android app. At the company's website <http://tiotoys.com/>, there are many examples of toys and inventions powered by Tio and the opportunity to [sign up](#) to be amongst the first to buy the kit. You can like Tio's page at <facebook.com/createtio> or follow them on Twitter at [@CreateTio](#)

Background

[Tio](#) is a kit to quickly build app-controlled toys and inventions with everyday objects and materials. It is connected hardware that can be attached to [almost anything](#) including recycled and craft material, lego, old toys, gadgets and even 3D prints.

The app customises and programs the toys. It controls many features like speed, direction and colours. Key to the experience is the Tio storybook, full of friendly characters who guide children through imaginary worlds and their first creations.

Tio recently won the NACUE's [Varsity Pitch Competition](#) judged by Tata Europe, Microsoft Ventures, YPlan and The Guardian.

Based in Central London, Tio was dreamt up by three aspiring innovators with a vision to inspire tomorrow's inventors. Kids at heart, they are dedicated to creating a new way of inventing, playing and learning.

[Newbury Electronics Ltd](#) has been trading for nearly 60 years, during which time it has kept in step with changes in both electronics and manufacturing. It now offers its customers some of the most advanced contract electronic manufacturing (CEM) solutions available in the UK. Philip King became MD in 2011, and has overseen over £2m of capital investment in the last 5 years. The company provides a full [electronic design](#), and [PCB CAD layout](#) service alongside PCB manufacture and assembly in Newbury, West Berkshire. It employs 73 staff

and is dedicated to the rapid manufacturing of small and medium batch PCB assemblies. Production includes SMD, SMT, surface mount, BGA, through hole, box build, soldering, test, & rework. Customers can select from any of the company's services and the company is happy to undertake single, bespoke projects through to the design and supply of manufactured lots exceeding 10,000 pcs on its nine automated SMD assembly lines. It has recently introduced an economical [express same day PCB manufacturing service](#) for orders placed before 9am.

As a contract electronic manufacturer, each year, the company produces in excess of over 15,000 different PCB designs for its clients, who benefit from the economies of scale built from the volume of orders processed. To learn more about the company's capabilities visit www.newburyelectronics.co.uk or watch <https://www.youtube.com/embed/l3oYzWglouU>

-END-

For business enquiries please contact Philip King, MD, Newbury Electronics

Tel: 01635 40347

Email: philip@newburyelectronics.co.uk

For media enquiries please contact Avril Chaffey (Newbury) or Mario Morello (Tio)

T:01488 608898

M:07765 343565

E:avril@avrilchaffeypr.co.uk

M:07949 928766

E:mario@totoys.com

If you no longer wish to receive news and information from Newbury Electronics please contact Avril Chaffey at avril@avrilchaffeypr.co.uk or tel +44 (0) 7765 343565

AC/NE 27