



Soundbeam 5 kit, including switches*

PCBs from Newbury Electronics help to bring the joys of making music to severely disabled youngsters.

- **Soundbeam keen to support quality UK manufacturer**

Soundbeam, the designers and manufacturers of the Soundbeam, an award-winning 'touch free' device which uses sensor technology to translate body movement into music and sound turned to Newbury Electronics when they need PCBs for their product.

Cindy Crossland, of Soundbeam explained more: "The boards have a colour membrane with the switch number attached to it. The switches that use the PCB's, are triggered by touch and are part of the Soundbeam kit that is sold with the touch free sensors. The sensors are ultrasonic, ie they detect movement however small and translate this into music and sound." The switches can operate over a distance of 20m and are colourful, versatile, tactile and most importantly sensitive to the stimuli produced by the musician.

"We needed well engineered and thin PCBs for this project and Newbury Electronics worked closely with us to ensure both the high quality of the design and manufacture." She continued; We have not been disappointed and the PCBs from Newbury Electronics have proved to be very reliable." Being able to get this expertise and the highest production standards from a UK based company was also an added bonus for Soundbeam, who wherever possible are keen to support UK businesses.

Newbury Electronics Managing Director, Philip King, said; "This is just another exciting example of how PCBs that use the latest electronic developments and modern production techniques can help realise wonderfully creative machines and

solutions that would have been unthinkable only 50 years ago, when we first started to manufacture these boards."

Soundbeam has just been awarded Best SEN Resource in the 2015 Music Teachers Awards for Excellence ('[Best SEN Resource 2015](#)') and has already received widespread recognition for the difference it can make to those with disabilities. More recently a number of galleries and performance organisations have started to use Soundbeam which adds an exhilarating live and improvisatory element to electronic sound and vision and encourages choreographers, composers, dancers, musicians and technicians to collaborate in new ways.

Future development of the product is planned and Newbury Electronics will continue to provide its engineering skills and guidance as and when appropriate. For more information on Soundbeam visit <http://www.soundbeam.co.uk/>

Background

Newbury Electronics Ltd started trading in 1956. A management buyout took place in 1987 and Philip King took on his role of Managing Director in 2011. The company offers a full electronic design, [PCB design and layout](#) service alongside PCB manufacture and assembly in Newbury, West Berkshire. It employs 73 staff and is dedicated to small and medium batch PCB assembly, specialising in [electronic design and manufacture](#) incorporating SMD, SMT, surface mount, BGA, through hole, box build, soldering, test, & rework. Customers can select from electronics design and CAD layout through to printed circuit board design and fabrication, assembly and test, and the company is happy to undertake single, bespoke projects through to the design and supply of manufacture lots of up to 10,000 pcs on its automated SMD assembly lines.

As a contract electronic manufacturer (CEM), 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. For more information visit www.newburyelectronics.co.uk

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* An assortment of high quality jpegs are available on request

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