

what they say about **SOUNDBEAM®**

"...quite simply - stunning! The new Sequences and Divisions are exactly what you need! These are the building blocks of music... Loading your own ideas is a dream! You can move around anywhere on a keyboard playing phrases and chords straight into the beam... The MIDI flexibility is total and allows different sequences and articulations in each beam...the long range spatial possibilities are exciting...the capacity for new creativity with Soundbeam 2 knows no bounds..there will surely be some mighty new and beautiful Soundbeam 2 music to see and hear this year."

DAVID JACKSON, MUSICIAN AND TEACHER

"Without it I've got no way to play instruments except one note at a time, and until I started using this I never had made music: I thought of myself as frustrated musician and this allows me to express myself musically"

TREVOR BATH, MUSICIAN

"The EMS Soundbeam is so invaluable...it gives even the profoundly handicapped child scope for exploration...an excellent example of technology enabling greater equality of access and expression..."

PROFESSOR PHIL ELLIS, UNIVERSITY OF SUNDERLAND

"...what a pleasure it's been!...so much MORE like a musical instrument than before...I found it EASY to set up...congratulations are definitely in order."

DR TIM ANDERSON, TECHNOLOGY MANAGER, DRAKE MUSIC PROJECT

"...has revolutionised music-making...ALL students moving within the beam are composing and playing live music instantaneously... On entering the beam, individuals are given the unique power to create qualities of sound which could otherwise only be realised by an accomplished musician...I have seen...many couples duet in a harmony that a year ago was beyond my dreams..."

PENNY SANDERSON, ANIMATEUR

"Proved to be an excellent motivator"

WENDY MCGEE, MUSIC THERAPIST,
ROYAL HOSPITAL FOR NEURODISABILITY, PUTNEY

"has a lot to offer as an instrument for a solo performer - for example, one beam containing note sequences, one dedicated to chordal material, a third as a volume control and a fourth to control pitchbend or modulation, plus switches to control filter, resonance, portamento, sustain etc..."

PETE McPHAIL, COMPOSER, TEACHER AND MUSICIAN

Soundbeam is a Registered Trade Mark throughout the USA, Europe and the UK.

SOUNDBEAM has featured on BBC TV's *Tomorrow's World*, Radio 4's *Does He Take Sugar*, Radio 3's *Music Matters*, ITN, BBC, CNN, Sky and ABC News, and in numerous other broadcast and print media.

SOUNDBEAM®

is a Best Social Inventions award winner.

The Soundbeam Project

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ANYONE can make music with
SOUNDBEAM®
the invisible, expanding keyboard in space



SOUNDBEAM
SWITCHBOX
SOUNDBOX
SOUNDCHAIR
SOUNDBED
VIDEOS,
RECORDINGS AND PUBLICATIONS
COURSES AND
WORKSHOPS
PERFORMANCE
EDUCATION
INSTALLATIONS

THE
SOUNDBEAM
PROJECT

SOUNDBEAM

is a device which uses ultrasonic sensors to detect - at a distance of up to six metres and without physical contact - the direction, speed and distance of body movement, translating this into electronic music via connection to an electronic keyboard, sampler or sound module. Invented by composer Edward Williams to give dancers a new relationship with music, Soundbeam now narrows for everyone the gap between what can be imagined and what can be physically achieved. Over 1500 schools and other institutions in 25 countries are working with this thrilling way of creating and exploring sound, of composing and performing, which is now recognised as a powerful, radical and accessible educational and creative medium.

SOUNDBEAM SWITCHBOX connects to the Soundbeam Controller allowing up to eight on/off or proportional switches to be used alongside the beams. These can contribute independent musical parts, or apply filters and other effects to sounds in the beams. Especially useful for group activity and for more complex pieces.

SOUNDBOX, SOUNDCHAIR and **SOUNDBED** are vibroacoustic devices which allow music to be felt as well as heard. They give particular pleasure to individuals with hearing impairment and other disabilities who may enjoy their first experience of music sitting or lying on them. The therapeutic benefits of audio-vibrations from these specially designed resonators are now widely acknowledged.

VIDEOS, RECORDINGS AND PUBLICATIONS are available featuring the most informative and compelling material from the Project's archive, including academic articles, curricular resources, videos and CDs of music making from users worldwide.

COURSES AND WORKSHOPS provide anyone interested in Soundbeam with first-hand experience of how it works and what it can do. The popular residential *Soundability* courses are held twice a year, giving students from a wide spectrum of professional backgrounds the opportunity not only to learn how to operate the equipment but also to create original work under the guidance of experts. Shorter workshops, INSET sessions and lecture presentations are held on a continuous basis throughout the country and overseas.

INSTALLATIONS in museums and science centres feature Soundbeam as a way of enabling visitors to interact with exhibits in an enjoyable, educational and creative way. Artworks at The Lowry in Salford, Seattle's Pacific Science Center, Xperiment! in Manchester, the Parc de Las Ciencias in Granada, Singapore's Science Center, @Bristol and Eureka! Halifax are among these centres.

PERFORMANCE groups are increasingly using Soundbeam. It adds an exhilarating live and improvisatory element to electronic music; it encourages choreographers, composers, dancers, musicians and technicians to collaborate in new ways. Dancers Henry Daniel and Olu Taiwo, the Group Motion Company of Philadelphia, Elektrodome, Salamanda Tandem and the Halle Orchestra are just some of the artists and organisations using Soundbeam.

EDUCATION continues to be the principle field of application for Soundbeam. Rigorously and methodically evaluated in special schools - notably as part of the EU-funded CARESS initiative - Soundbeam's potential for children (and adults) with special needs is well established, and is increasingly used in mainstream secondary and higher education too.

What they say about SOUNDBEAM

"...an incredibly exciting new development in music making; the concept of an 'all-in-one' sensor/switch unit that behaves musically, especially without a computer, is one that we have all been waiting for..."

CLARE SMITH,
SOUND IT OUT
COMMUNITY MUSIC

"Since I discovered Soundbeam I have been very excited by the creative possibilities it offers for a meaningful relationship between sound and movement...Most electronic instruments are designed for a single person to control lots of sounds, the new Soundbeam allows 12 people to effectively play the same instrument and interact musically..."

DUNCAN CHAPMAN,
COMPOSER, TEACHER
AND MUSICIAN

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