

# SOUNDBOX

## MINIBOX

## SOUNDCHAIR

## SOUNDBED

*"The Soundbed has something to offer children whatever their sensory disability."*  
Leighton Reed, Royal School for the Deaf, Manchester.



The whole human body is receptive to sound, not just the ears. It's increasingly clear that the experience of *feeling* sound - rather than simply *hearing* it - has important therapeutic implications across a wide spectrum of conditions, both physical and behavioural.

**Soundbed, Soundchair, Soundbox** and **Minibox** are vibroacoustic devices designed to deliver the

physical vibrations of music to the body, in ways which can be both healing and profoundly satisfying.

Combining the sensation of musical vibration in this way with what is heard from speakers or high quality headphones, gives a feeling of total immersion in the music, offering a powerful sensory and aesthetic experience.

The music can either be actively created - using Soundbeam to control a sound module or keyboard (playing along, perhaps, with recorded music) - or simply a selection of the user's favourite music on tape or CD.



[www.soundbeam.co.uk](http://www.soundbeam.co.uk)

### PRODUCTS INCLUDE

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

**SOUNDBEAM**<sup>®</sup>  
is a Best Social Inventions award winner.

**Soundbed, Soundchair, Soundbox** and **Minibox** can also be used for Vibroacoustic Therapy, a newly emerging technique in which relaxing music is combined with pulsed low frequency sine tones.

Research has shown this therapy to be effective in treating the symptoms of various conditions – cystic fibrosis (Skille, Wigram and Weekes, 1989), rheumatoid arthritis (Chesky et al, 1992), reducing muscle tone and increasing range of movement in people with spasticity (Wigram, 1997). Case studies and anecdotal evidence have reported that symptoms of asthma and constipation can also be relieved by vibroacoustic therapy (Skille, 1991).

**SOUNDBED**  
**SOUNDCHAIR**  
**SOUNDBOX**  
**MINIBOX**



- “Originally we bought the Soundbox as just another piece of equipment for our Sensory Room but we’re so pleased with it that we’re designing a whole new Sound Room, with the Soundbox as its main attraction.”

- Gary Warrington, Thames Valley Adventure Playground Maidenhead, England.
- “The Soundbed has provided a natural extension within my own work in exploring music /communication using vibrotactile stimuli...a very useful tool.”

- Tony Heyes, Royal National Institute for the Deaf, Poolemead Centre, Bath, England.
- “I use the Soundbed every day in my music classes. For many students, who are normally quite hyperactive, the Soundbed relaxes them...and they are able to attend throughout the whole class. I also have many students who are hearing impaired, they are able to participate in class more completely because they can feel the music. I also use the Soundbed with teenagers who have various disabilities. They love to experience pop music on the Soundbed”.

- Bonnie Arpin, Music Teacher, Crotched Mountain School, New Hampshire, USA.

**Technical Specifications**

	Dimensions	Weight	Power Handling
<b>Soundbed</b>	1980mm (L) x 860mm (W) x 477mm (H to bed surface) + 280mm (to top of guard rail)	140Kgs	Maximum 40 watts
<b>Soundchair</b>	1950mm (L) x 710mm (W) x 690mm (H) (fully extended with leg-rest up) 630mm (L) x 710mm (W) x 1000mm (H) (back upright with leg-rest down)	30Kgs	Maximum 40 watts
<b>Soundbox</b>	1220mm (L) x 910mm (W) x 140mm (H)	35Kgs	Maximum 40 watts
<b>Minibox</b>	610mm (L) x 610mm (W) x 130 (H)	20Kgs	Maximum 40 watts
<b>Speaker Protection Units</b>	All vibroacoustic devices are fitted with SPUs to prevent damage from overload		

**Additional hardware requirements:**

Any domestic amplifier can be used to drive the speakers of Soundbed, Soundchair, Soundbox and Minibox, with a second output connected to the recommended ancillary self-powered speakers or headphones.

Sound sources connected to the amplifier can be either a standard MIDI module or keyboard controlled by Soundbeam, a microphone, or an audio tape or CD player.

A sound processor can also be connected between the sound sources and the amplifier.

**References:**

Chesky, K. S., Rubin, B. and Frische, E. (1992) *The pain relieving effect of Music Vibration on Rheumatoid Arthritis patients as related to just music and placebo.* Utrecht: ISME.

Skille, O. (1991) *Manual of Vibroacoustics.* Levanger, Norway: ISVA Publications.

Skille, O., Wigram, A. and Weekes, L. (1989) Vibroacoustic Therapy: The Therapeutic Effect of Low Frequency Sound on Specific Physical Disorders and Disabilities. *Journal of British Music Therapy.* 3, 6-10.

Wigram, T. (1997) The effect of VA Therapy on multiply handicapped adults with high muscle tone and spasticity. In Wigram, T. and Dileo, C. (Eds.) (1997) *Music Vibration and Health* Cherry Hill, New Jersey: Jeffrey Books.

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the invisible, expanding keyboard in space



**ENQUIRIES,  
 INFORMATION,  
 VIBROACOUSTIC  
 EQUIPMENT,  
 VIBROACOUSTIC  
 THERAPY**