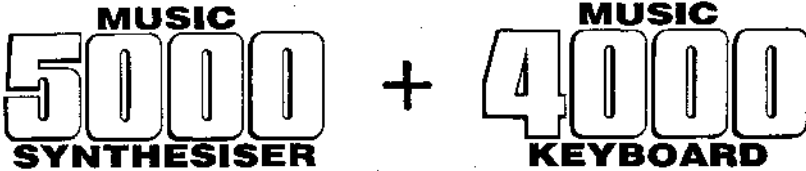


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**Important news for Music 5000 owners**

The Hybrid Music 4000 Keyboard is the music keyboard companion to the acclaimed Music 5000 Synthesiser (and upgraded Music 500). Alongside your BBC Micro, this unbeatable combination gives you:

- \* an amazing polyphonic digital keyboard synthesiser that far outperforms all comparable alternatives at the price
- \* a powerful multi-track recording system with unparalleled power and simplicity of musical organisation and structuring.
- \* a complete self-contained computer music system with the easiest and quickest entry of music on the staff and into computer music notation

The keyboard is a high-quality, 4-octave unit with full-length keys, black plastic-coated steel case with 'Music 4000' logo, charcoal plastic moulded end cheeks, and rubber feet. The supplied footswitch fits at a jack socket on the rear, and a generous length of ribbon cable connects the keyboard to the user port of the computer.

The 'Studio 4000' keyboard operating software is entirely integrated into the AMPLE system - the system disc holds an improved version of the standard Studio 5000, an extended main menu, and user-friendly editor panels for keyboard instrument and effect selections, instrument sound manipulation, and recording. The music keyboard is 'live' at all times, so, for example, you can play voices at the % prompt, the Mixing Desk, or while editing an instrument in Notepad, without the need for any command to select the music keyboard.

### **an amazing polyphonic digital keyboard synthesiser...**

The Keyboard Performance screen presents a list of named instruments (up to 60 at a time) and special effects which are selected by simply pointing with the cursor. The package includes many predefined instruments, including simulations such as organ, piano and strings, powerful synthesiser sounds and a variety of special effects. Up to eight notes can be played simultaneously and the footswitch operates as a sustain pedal. The user can create his own named instrument sounds, either from scratch or by modifying pre-defined ones. Keyboard instrument sounds are entirely compatible with instruments from pieces, so users' existing instruments can be played from the keyboard, and the supplied ones can be used in pieces.

All instrument creation and editing is carried out on a pop-up 'Notepad' panel - a single key-press at the main Keyboard screen calls it up with the current instrument ready to edit. Sound settings are adjusted using simple cursor key presses and pop-up menus, while the keyboard is played to hear the effect of the changes. A further keypress returns to the Keyboard screen, giving the option of storing the new sound under a new name, chosen by the user or created automatically.

The Keyboard Performance screen also includes controls for the following special effects: echo with variable delay; polyphony; transposition; stereo; detuning; voice stacking and voice sequencing. Many of these can be used together, for example echo + stereo for notes that bounce from left to right and back as they echo away.

Each set of keyboard performance settings can be named and stored as an AMPLE word for instant recall and editing. Many such configurations can be held simultaneously, and the user can easily program menus and sequences to access them in live performance.

### **a powerful multi-track recording system...**

The Keyboard Recorder screen faithfully records each keyboard performance with full timing information. The recording is then processed and stored as an AMPLE word for replay alongside existing parts, allowing the user to record a piece part-by-part and section-by-section, and view and edit the recording on the staff or in AMPLE music notation. All options and settings are clearly presented on a single menu-based screen.

Recording is against a two-tone metronome which marks the beat and start of bar in any chosen time signature and tempo. The recording is converted to editable score form, cleaning-up the timing by adjusting each note to the nearest beat ('quantising'). The length of this beat is settable in 1/48th crotchet units from 1 (1/3rd hemidemisemi-quaver) upwards. Both original and score forms can be played instantly for comparison before storing the score form as a named word.

Other conversion options include automatic accidentals for any key signature, automatic bar lines for any time signature, a maximum number of voices to be used, and a header line of AMPLE instructions such as overall articulation and special effects.

**a complete self-contained computer music system...**

The Keyboard is fully integrated into the AMPLE environment, so it greatly enhances the existing Music 5000 facilities.

In the Staff Editor, notes, rests and chords can be entered simply and quickly from the music keyboard. Each music key puts the pitch directly on to the staff at the cursor position, and sounds it on the current instrument. The note takes the current note value (adjustable with the cursor keys), and can be lengthened simply by pressing the footswitch. The footswitch also acts as a rest 'key'. All pitches are written with the correct sharps and naturals for the current key signature. Chord notes are automatically written as chords, and by entering the notes in a chosen order, the bass and top voices can be kept separate to receive distinct instruments.

The OWERTY keyboard works alongside the music keyboard allowing immediate deletion or correction of faulty music keyboard input, and entry of extra symbols such as slurs, ties, accents and special 'above staff' instructions.

Keyboard input of AMPLE music notation is available in the Notepad text editor. This has all the features of input on to the staff, with the added advantage that each footswitch press inserts a hold sign, so that any regular note value can be entered from the music keyboard alone. This easy keyboard input method makes AMPLE notation much more attractive to beginners that would like to take advantage of its extra flexibility.

On the Mixing Desk, any voice can be played from the keyboard simply by moving the cursor to it, even while scored music is playing. When creating a piece, this lets you try out new mixes more quickly and play along with existing parts. For keyboard performance applications, the Mixing Desk is used for a full display of voice settings (including key assignments, through the gate indicators), and lets you create special keyboard mixes including mixed instruments, particular stereo effects, etc.

**Software format** - dual 40/80-track Acorn DFS disc

**Other equipment required** - BBC Microcomputer Model B, B+, B+128K or Master 128, Acorn-compatible disc drive, Music 5000 Synthesiser or Music 500 Synthesiser upgraded with Music 5000 software, Amplifier system with suitable audio lead

**Symphony Upgrade Pack** - a Music 4000 software and documentation pack is available to owners of existing ATPL Symphony Keyboards. This provides all the software facilities of the full Music 4000 Keyboard package. The Music 4000 footswitch is also available separately to Symphony owners.

Each Keyboard package can be used with one particular AMPLE Nucleus ROM only. If you are a registered ROM user, you must quote the ROM ID with your order. If you are a ROM user but have not yet registered, you must also do so by including the filled-out registration slip with the order.

The Music 4000 Keyboard cannot be used with a Music 500 Synthesiser without a Music 500 Upgrade pack. If you have an un-upgraded Music 500 you should order an Upgrade Pack at the same time, and the Keyboard will be supplied to suit the Upgrade Pack ROM.

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All specifications are subject to change without notice.

**Introductory Prices:**

<b>Music 4000 Keyboard</b>	- £ 140.00 + postage & packing + VAT
<b>Symphony Upgrade Pack</b>	- £ 40.00 + postage & packing + VAT
<b>Footswitch</b>	- £ 10.00 + postage & packing + VAT

**Ordering** - Cheque or money order with order only. Orders received before 27 February 1987 will not be processed until this date. Please allow 28 days for delivery.

The prices below include postage to UK addresses. For rates to other addresses, please enquire.

... Music 4000 Keyboard(s) (includes footswitch)	
	@ £ 169.00 including p&p + VAT each
... Symphony Upgrade Pack(s)	£ 47.00 including p&p + VAT each
... Footswitch(es)	£ 11.50 including p&p + VAT each
Total amount £ .....	

Send to: Name ..... Date .....

Orders Dept Address .....

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ROM ID ..... Post code