

# MUSIC 4000 KEYBOARD

## INSTALLATION GUIDE

Check that you have the following:

- \* this Guide
- \* Music 4000 Keyboard unit (or Symphony Keyboard unit)
- \* Footswitch
- \* Music 4000 User Guide
- \* Studio 5000-4 Issue Disc
- \* label for Studio 5000-4 System Disc

You will also need:

- \* BBC Micro Model B, B+, or Master 128, with Acorn-compatible disc drive
- \* Music 5000 Synthesiser (or Music 500 with Music 5000 software), installed and tested as described in its own Installation Guide
- \* Audio amplifier system, with audio lead to the synthesiser unit
- \* One blank formatted disc

### installing the hardware

With the computer turned off, plug the ribbon cable connector of the keyboard unit into the socket marked 'User Port' on the underside of the computer. Connect the footswitch by plugging its jack connector into the socket on the back of the keyboard unit. Turn the equipment on.

### installing the software

Each AMPLE Nucleus ROM has a unique identification code (ID), issued to you personally. Your ROM ID appears on your Music 5000 Installation Guide and in the top right of every screen when the system is in use. Your ROM ID also appears at the top of this page, along with a passcode. Check that the ROM ID (not the passcode) on this guide matches your ROM ID exactly.

The disc supplied is an 'issue' disc. It generates a 'system' disc for use with your particular ROM, and no other ROM, as described below.

If the generation process fails to complete, your computer is probably non-standard, having extra ROMs fitted - refer to the User Guide chapter 'Further Use of AMPLE', section 'ROM compatibility'. You should not suspect any other fault until the possibility of interference by other ROMs has been eliminated.

If anything should interrupt the generation process, you should start again from the beginning, making a new copy of the issue disc.

If on starting from the system disc, you get the '! Bad module' message, you entered the wrong passcode for your ROM. Check that the ROM ID on this guide matches yours, and then remake the system disc, checking the passcode carefully.

### **making working system discs**

You can easily make working copies of the system disc without the example music programs, since all the essential files are locked. Make a copy of the original system disc with \*BACKUP, and enter

\*DELETE \*.\* (answer 'Y' to both questions)

### **software compatibility**

Most users will use the new Studio 5000-4 system disc (Music 5000 + Music 4000) in place of the old Studio 5000 system disc (Music 5000 only), which will not be required.

User programs made on the Studio 5000 system are entirely compatible with the Studio 5000-4 system, so all old programs can be loaded and run on the new system, memory capacity permitting.

Programs created on a the Studio 5000-4 system can be loaded and run on a Studio 5000 system only if they do not use either of:

- \* music keyboard-specific words such as KEYS, Scale etc.
- \* PLAY sections that overlap more than three sections in the 'master' player.

### **Important note for Master 128 users**

After installing the ROM, enter

\*CONFIGURE SCROLL RETURN

and press CONTROL BREAK

## making a system disc

- 1 First make a copy of the issue disc on a new formatted disc. The issue disc is 40 track on the top side and 80 track on the bottom side. To make a 40-track copy on a single 40-track drive, enter:

```
*ENABLE  
*BACKUP 0 0
```

To make an 80-track copy on a dual 80-track drive, put the issue disc in drive 0 and the new disc in drive 1, and enter:

```
*ENABLE  
*BACKUP 2 1
```

If you get a 'Disc fault' message, refer to 'Problems' below.

- 2 Put the new disc in drive 0 (usually the top drive) and press SHIFT-BREAK (press and release BREAK while holding down SHIFT). DO NOT use the supplied issue disc - you may need this again later.

The screen display will ask you to enter the passcode. Copy it (not the ROM ID) from the first page of this guide and check it before pressing RETURN. Do not attempt to use any other passcode.

When the generation process is complete, the 'Generation complete' message appears - the new disc is now a system disc for your ROM. If something goes wrong and the final message does not appear, refer to 'Problems' below.

Put the supplied label on the new system disc, positioning it to cover the write-protect notch, as on the issue disc.

## testing

Put the system disc in drive 0 and press SHIFT BREAK (press and release BREAK while holding down SHIFT). You should see various loading messages, followed by the Studio 5000 Main Menu. (If this does not appear, then refer to 'Problems' below.) Press f9 to call up the 'Jukebox' menu, and then press RETURN to select the first option. After a moment, keys played on the music keyboard should sound on the synthesiser. Use SHIFT up/down/left/right to select another instrument sound.

## problems

If copying of the issue disc fails with a 'Disc fault' message, then either you are using the wrong command for your type of disc drive, or the issue disc or your disc drive may be faulty. If you have a switchable 40/80 drive, try copying the other side instead.

Modules are not compatible between the systems, so you must start and remain with either a Studio 5000 or Studio 5000-4 system disc for a whole session, and restart from SHIFT BREAK if you want to change from one to the other.

### memory capacity

The amount of memory available to the user is reduced by about 1500 bytes on the Studio 5000-4 system. This makes little difference on Model B+, B+ 128K and Master 128 models, and on the Model B when not using the Staff Editor. However, on the Model B when using the Staff Editor, this leaves insufficient memory for loading many existing programs created on the Studio 5000 system. Model B owners should use their Studio 5000 system disc when using the Staff Editor on existing programs.

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Studio 5000-4 issue and system discs, User Guide and Installation Guide (C) 1987 Hybrid Technology Limited

The software and documentation are supplied for use with the AMPLE Nucleus ROM identified by the ROM ID on this Guide only. Unauthorised copying of the software and documentation is strictly forbidden.

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### user registration

Please return this User Registration slip to the address above to ensure that your ownership is recorded, and that we can send you free software updates and news of new developments.

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Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date purchased \_\_\_\_\_ Where purchased \_\_\_\_\_

ROM ID \_\_\_\_\_

Pack is: Music 4000 Keyboard  Symphony Upgrade Pack  (tick one)  
Used with: Music 5000  Upgraded Music 500  (tick one)

Music 4000 Keyboard / Symphony Upgrade Pack - User Registration Slip