

MUSIC 2000 INTERFACE

INSTALLATION GUIDE

Check that you have received the following:

- * this Installation Guide
- * Music 2000 Interface unit
- * Music 2000 User Guide
- * Studio -2 Issue Disc

You will also need:

- * BBC Micro Model B, B+, or Master 128, with disc drive and TV or monitor
- * Music 5000 Synthesiser, installed and tested, with amplifier system
- * MIDI-compatible instrument and MIDI lead
- * Studio 5000 System Disc (any variety) with no added user files

You may also have:

- * Music 4000 Keyboard, installed and tested
- * Music 3000 Expander, installed and tested

making a System Disc

The Studio -2 Issue Disc supplied with this package adapts an existing System Disc to provide the additional facilities of the Music 2000 Interface.

You will need a System Disc which, though it may have been adapted for another additional system unit such as the Music 3000 Expander, should have no additional user files. If it is your only copy, make a back-up copy before proceeding. Uncover the System Disc's write-protect notch.

The Studio -2 Issue Disc will operate on both 40 and 80-track disc drives. On a drive with a '40/80' switch, the switch must be set to suit your System Disc. In the case of a dual drive with switches, both must be set.

To generate a Music 2000-equipped System Disc, insert the Studio -2 Issue Disc into drive 0, tap the BREAK key while holding down the SHIFT key, and follow the instructions that appear on the screen. When the system asks you to enter a passcode, read it from the top of this page, and before pressing RETURN check that the passcode you have entered and the disc title and ROM ID shown at the top of the screen are the same as those printed at the top of this page.

As generation proceeds, you may see messages telling you that the Issue Disc is deleting some example programs from the System Disc. This happens only if required to make sufficient free catalogue or disc space.

When the message 'Generation complete' appears, remove the System Disc, add a write-protect label to it, and write '-2' after the printed title, to indicate that this disc has the Music 2000 facility.

If 'Generation complete' fails to appear, see 'fault-finding' below.

fitting the hardware

With the computer turned off, plug the ribbon cable connector of the Music 2000 unit into the socket on the back of the Music 5000 or Music 3000. Plug the white connector on the long lead into the power socket on the front underside of the computer. If you have to disconnect the disc drive to do this, reconnect it at the white connector on the short lead at the back of the Music 2000 unit. Connect a MIDI lead between the socket marked 'OUT 1' on the back of the Music 2000 Unit, and the instrument's 'MIDI in' socket.

testing

Turn the system on, insert the new System Disc into drive 0, and tap BREAK while holding down SHIFT. When the main menu appears, tap TAB and enter:

```
READY 1 VOICES MIDIV C
```

When you press RETURN at the end of the line, the top light on the Interface should flash once, and a note play on the MIDI instrument.

fault-finding

If the Studio -2 Issue Disc fails in any way, it displays an error message followed by 'Generation aborted'.

If the 'Disc fault' error message appears, check that any '40/80' switches on your drive are all set to suit your System Disc (which should be marked '40 track' or '80 track'), and try again with the same System Disc.

'Disc fault' may also mean your System Disc is faulty. Similarly, 'Disc full' and 'Cat full' indicate your System Disc has extra files on it, and various other messages mean that it is incomplete. If any of these occur, try again with a System Disc newly made from its Issue Disc.

'Disc fault' during access to the Issue Disc means the drive or disc is faulty. If this or any other problem persists, contact your supplier.

On starting a successfully generated System Disc, the '! Bad module'

message will appear if the wrong passcode was entered. You should repeat the process from the beginning, using a new System Disc copy.

If on testing, the light fails to flash, check that the Music 2000 unit is fully connected to the computer. If the instrument fails to sound, check that it is connected to the Music 2000, its output signal is audible, and it is set to receive and play information from its 'MIDI in' socket

If the problem persists, contact your supplier.

system disc compatibility

Your original System Disc will continue to operate the system exactly as before, ignoring the Music 2000, should you need to use it.

The new System Disc with Music 2000 capability (the '-2' disc) carries out all the functions of the original System Disc in exactly the same way, and programs created using the original disc may be loaded when using the -2 disc. The only restriction is that the amount of user memory is reduced by around 1500 bytes, so that the largest programs created using the original disc cannot be loaded using the -2 disc.

On the Model B computer, insufficient memory is available for using the Staff Editor unless shadow RAM is fitted, but you may still use the Staff Editor to create music for the Music 2000, by working in two stages:

- * Under the original System Disc, enter the music using the Staff Editor (playing it on the Music 5000 if required) and save it.
- * Under the -2 System Disc, reload the music and add to it to use the Music 2000 facilities.

Note that the -2 System Disc may not contain all of the example files on the original System Disc.

Any program that has been created under the -2 System Disc but does not use any of the Music 2000 facilities, may be loaded under the original System Disc.

voice and player capacity

With the Music 2000 Interface's 32 additional voices, more of the system's full voice and player capacities may be used. These are:

range of voices per player:	1-12	e.g. 12 VOICES Upright
range of players using PLAY:	1-9	e.g. "123456789"PLAY
range of players using P(:	1-10	e.g. 10 P(...)P

These are facilities of the AMPLE Nucleus rather than the Music 2000 Interface, so are described fully in the 'AMPLE Nucleus Programmer Guide' rather than the Music 2000 User Guide.

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Music 2000 issue and system discs, User Guide and Installation Guide
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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.

user registration

Please return this User Registration slip to the address above to ensure that your ownership is recorded.

Name _____ ROM ID _____

Address _____

Date purchased _____ Where purchased _____