

# THE C CONFIGURATION GUIDE

for the BBC Master-Series Microcomputer

## THIS LEAFLET

This leaflet lists the items included in this C package and tells you how to install, load and enter C on your BBC Master-Series Microcomputer.

## THE C PACKAGE

### Package contents

The following is a list of items that are included in the C package.

- two C system discs
- a function key card
- the *C User Guide*
- this leaflet

If any of the items is missing or damaged, notify your dealer immediately.

### The system discs

Two system discs are supplied, containing identical compilers. The 5 1/4" floppy disc with 80-track DFS format is for use with a Master 128 or a BBC Microcomputer Model B. The 3 1/2" floppy disc with ADFS format is for use with a Master Compact. The discs comprise the following:

- the C compiler
- the C linker
- libraries
- header files

The DFS disc also contains a C editor and two command files to configure the C system for use with or without a 6502 Second Processor.

## INSTALLING C

The method you follow to install C depends on whether you are using a computer with sideways RAM, a 6502 Second Processor or a Master Compact. If you have a Master Turbo follow the instructions as for a 6502 Second Processor.

### Before you begin

It is important that you make a backup copy of the system disc before you install C on your computer. Use a blank, formatted disc and follow the backup procedure in your computer's *Welcome Guide*.

Note: Keep the original disc in a safe place and only use the copy to carry out the installation procedure.

### Installing C with a Master Compact

Take the following steps to install C in a Master Compact:

- 1 Put the new copy of the system disc in drive 0.
- 2 Press **SHIFT****BREAK**.

This activates the !Boot file which installs C in sideways RAM. It also sets the system path to \$ (see your *C User Guide* for details), enabling you to compile and run programs immediately. Note that the 'HelloW' program is given its full name 'HelloWorld'. Therefore, substitute 'HelloWorld' for 'HelloW' wherever it appears in the *C User Guide*.

### Installing C with sideways RAM

Take the following steps to install C in a computer with sideways RAM:

- 1 Put the new copy of the system disc in drive 0.
- 2 Type the following:  
\*exec !Host
- 3 Press **RETURN**.

This deletes the unnecessary files needed only by the Second Processor version, giving more work space. C is now ready for use.

## **Installing C with a Second Processor**

Take the following steps to install C in a computer with a Second Processor:

- 1 Put the new copy of the system disc in drive 0.
- 2 Type the following:  
\*exec !Tube
- 3 Press **RETURN**.

This deletes the unnecessary files needed only by the sideways RAM version, giving more workspace. C is now ready for use.

## **LOADING AND ENTERING C**

If you have installed C on a Master Compact using the 3 1/2" disc ignore this section as your C system was automatically loaded and entered by the !Boot startup process. If you have installed C using the 5 1/4" disc, the method you follow to load and enter the C system depends upon whether you are using a computer with sideways RAM or a Second Processor.

### **Loading and entering C with sideways RAM**

Take the following steps to load and enter C on a computer with sideways RAM:

- 1 Install C in sideways RAM as described above.
- 2 Type the following:  
\*SETUP
- 3 Press **RETURN**.
- 4 Wait until a message appears on the screen informing you that the software is loaded.
- 5 Press **CTRL BREAK**.
- 6 Enter the C system by typing:  
\*C

- 7 Press **RETURN**. The standard Acornsoft C system prompt appears on the screen as follows:

```
Acornsoft-BSC C System V1.00
```

```
C>
```

The C software remains in sideways RAM until the machine is switched off or new software is loaded on top of it.

### **Loading and entering C with a Second Processor**

Take the following steps to load and enter C on a computer with a Second Processor:

- 1 Install C on a Second Processor as described above.
- 2 Type the following:  
\*TC
- 3 Press **RETURN**. The standard Acornsoft C system prompt appears on the screen as follows:

```
Acornsoft-BSC C System V1.00
```

```
C>
```

The C software remains on the Second Processor until the machine is switched off or new software is loaded on top of it.

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