

MASTER 128 WELCOME GUIDE ISSUE 2 – ADDENDUM

The Master Series range of computers are now fitted with a 4.5V battery unit instead of one 3.0V Lithium cell. The following items of text should be read in conjunction with the relevant pages in Issue 1 and 2 of the Guide.

1) Welcome Guide – inside front page

Internal battery unit

The warnings on handling and disposal of Lithium cells also generally apply to this battery unit.

2) Welcome Guide – Page 242

Replacing the internal battery unit

The entire contents of page 242 should be replaced with the following text:

REFER TO THE WARNING AT THE FRONT OF THIS GUIDE BEFORE ATTEMPTING TO REMOVE OR REPLACE THE INTERNAL BATTERY UNIT.

The battery unit fitted in your computer is used to maintain the contents of CMOS RAM at all times when the computer is disconnected from the mains power supply.

Under normal operating conditions life of the battery unit can be expected to be approximately one year. A replacement battery unit can be obtained from your supplier.

Removing or replacing the battery unit may corrupt the current content of the CMOS RAM and it is recommended that a copy of the settings is first written to either tape or disc. This can be achieved in the following manner:

- Select the appropriate filing system and load a cassette or appropriately formatted disc;
- Type:
MODEO (Return)
*SPOOL CONFIG (Return)
*STATUS (Return)

The computer will display (and store) a list of the current CMOS RAM settings.

Close the spool file by typing:

*SPOOL (Return)

Within the following instructions, the points of the compass are used to indicate the way in which things are orientated. With the machine positioned such that the keyboard is nearest you and uppermost, the nearest edge is designated to be SOUTH, the rear NORTH, and right and left are designated EAST and WEST respectively.

Fitting the replacement battery unit

Disconnect the computer from the mains power supply.

Place the computer upside down on a firm flat surface; locate and remove the four fixing screws that are located on the underside of the unit, two at the rear and two at the front of the machine, and are labelled 'FIX'. Note that the two screws fitted to the rear positions are longer than the other two. When the screws have been removed, carefully re-invert the computer whilst holding the two halves of the case together. The upper half of the case may now be removed by lifting it directly upwards from the machine.

The battery unit is located between the WEST edge of the main printed circuit board, and the EAST edge of the power supply unit. The battery unit is connected to the computer by two fixing screws, and also by a pair of red and black leads which connect between the SOUTH end of the battery unit and PL8, a plug which is located on the WEST edge of the printed circuit board.

Remove the two fixing screws which secure the battery holder restraining plate.

Disconnect the flying lead from PL8.

Remove the battery unit from the machine.

Insert the replacement battery unit in the position previously occupied by the old battery unit. Ensure that the two locating holes are positioned over their respective support pillars, with the battery holder and batteries facing downwards. Also ensure that the flying lead is free to be connected to PL8 and that it is not trapped beneath the battery unit. Note that the flying lead is of a special type and it must not be substituted.

Secure the battery unit using the two fixing screws removed earlier.

Connect the flying lead to PL8, the black lead should connect to the NORTH pin, the RED lead should connect to the central pin, with the SOUTH pin not connected. Ensure that the socket on the end of the flying lead covers all three pins of PL8.

Replace the top half of the case following the reverse of the removal procedure.

The CMOS RAM may then be restored to its former state in the following manner:

- connect the computer to the mains supply and execute a power-on reset, i.e. switch the computer on whilst holding down the R key. Keep the R key depressed until the message:

CMOS RAM reset

press BREAK to continue

appears on the screen.