

DELTA 3b SINGLE JOYSTICK MKII

The DELTA 3b SINGLE joystick will work with a BBC MODEL B, or a MODEL A which has had an A/D interface added. It will also work with an ELECTRON fitted with an ACORN PLUS 1 interface or other analogue interface. N.B. On an ELECTRON fitted with a switched joystick interface you will need a DELTA 3S joystick.

The joystick plugs directly into the socket on the rear of the computer; marked "analogue in"

The joystick will run any ACORN SOFTWARE or ACORN SOFTWARE compatible software written for a single joystick. The MKII will also operate any ACORN SOFTWARE compatible software which is written for two joysticks, providing that each player plays in turn and the game does not require both players to be using joysticks at the same time. To play games which require both players to be using joysticks at the same time you will need a DELTA 3b TWIN joystick pair.

The DELTA 3b single is an analogue joystick and is hence ideal for graphics programs.

In BASIC the joystick is read as follows:-

ADVAL 1 or ADVAL 3 - HORIZONTAL JOYSTICK
ADVAL 2 or ADVAL 4 - VERTICAL JOYSTICK

The fire buttons are read by:-

ADVAL0 AND 3 = 0 No button pressed
ADVAL0 AND 3 = 1 One red button pressed
ADVAL0 AND 3 = 2 The green button pressed
ADVAL0 AND 3 = 3 Red and green pressed together

GUARANTEE

Your DELTA joystick is guaranteed for a year against faulty manufacture or components. As with anything with moving parts it is possible to wear it out inside that time if you use it an abnormal amount. If you suspect the joystick to be faulty it should be returned to the place of purchase. If the joystick is less than a few weeks old, then the shop can replace it with a new one and we will replace the item for the shop. If the item is more than a few weeks old then it should be returned, either directly or by the shop, to Voltmace Ltd., Park Drive, Baldock, Herts. where it will be repaired or replaced.

CARE OF YOUR JOYSTICK

The joystick should not be lubricated. An occasional wipe around the ball and socket joint with a clean dry cloth is all that should be required.

JOYSTICK UTILITY PROGRAM

A "JOYSTICK UTILITY" program is available on cassette which will enable you to convert some non joystick games to work on joysticks by running a conversion routine first. The program is very user friendly and works with twin or single joysticks. It allows you to define any keys to be replaced with a joystick direction. The sensitivity can be altered i.e. the amount of deflection required by the joystick before it simulates a keypress can be changed. It also has a rapid fire feature which creates the effect of pressing the fire button again and again rapidly, even when just holding down the button.

N.B THE JOYSTICK UTILITY IS NOT AVAILABLE ON THE ELECTRON.

NOTE: The DELTA 3b SINGLE MKII can cause problems if used as a second joystick plugged into a DELTA 14b/1 A/D user port interface and a DELTA 14B handset. The effect would be that if a DELTA 14b and a DELTA 3b Single MKII were both plugged into a DELTA 14b/1 A/D/USER PORT interface then one row of DELTA 14b buttons would not work.