PILOT ONE Ltd MK40 3DD The kit comprises:-Interface/control unit 2 optical sensors and discs Software package (cassette) Manual with full instructions.

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BUGGY

The BUGGY CONTROLLER provides a simple method of connecting a model buggy to the B.B.C. micro. The control unit has relay outputs to independently control the directions of two motors. In addition a switch circuit is connected for controlling lights, horns or an electro-magnet for picking up objects.

The control unit can be used with any kind of low voltage motor drawing less than 0.5 Amps. The long connecting leads can either be soldered directly onto the motor contacts or if motors from LEGO(r) or fischer-technic(r) are used the special motor plugs can be used. The power lead for all the motors can be fed from batteries or a suitable power-pack.

Sensor lines are provided for feedback control in programs. The 3 lines terminate on polarised 4 pin connectors. These connectors provide a power source for light beam sensors and both 5V and ground lines compatible with a range of sensors available from PHOT ONE. The 2 reflective optical sensors and discs provided in the kit can be used to sense the rotation of the motor axles on your buggy. The Buggy driver program utilises these sensors to create more precise control of the vehicle. The extra sensor line could be used on a bumper or another optical sensor for white line following.

A full software package contains a menu driven program that allows control from the keyboard. Alternatively a route for the buggy can be planned on the screen, filed and executed. The first of these programs uses timing loops to control the motion but the second utilises the feedback sensors. A full set of BASIC procedures is provided to allow the user to build his own drive routines.

The unit is not limited to buggy applications as it can provide drive for any two or three motor models. The software has an option to allow the user to configure the screen display to use names and motions for each motor defined by the user. In this way the software can be easily "customised" to meet an individuals requirements.

PRICE IN/1003/BC £ 37.50 (excluding V.A.T.) Post and package £2.00 in U.K.

PILOT ONE reserves the right to change specifications and prices without notification to customers.

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